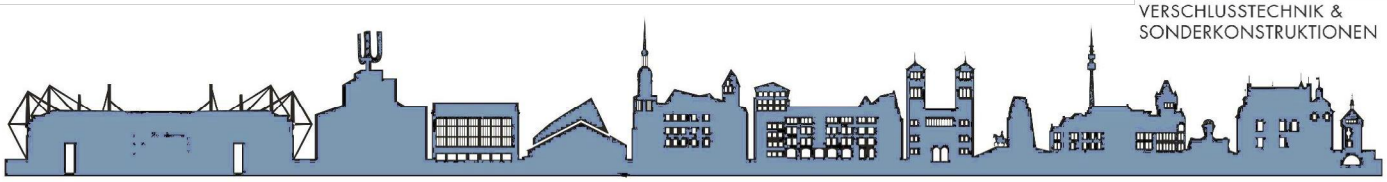

CONTENT

FAX ORDER .....

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LATCHES

- LATCHES WITH WIRE BRACKET..... A-1
- LOCKABLE LATCHES A-19
- ADJUSTABLE LATCHES..... A-21
- LATCHES WITH SHEET METAL BRACKET A-51
- HEAVY LATCHES A-61
- SPRING LATCHES..... A-71
- „BUTTERFLY" LATCHES A-81

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TENSION BANDS AND HOSE CLAMPS

- TENSION BANDS AND HOSE CLAMPS C-1
- „BAND-IT" TENSION BANDS AND CABLE TIES.....C-31
- HOSE CLIPS AND PIPE CLIPS.....C-51

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- DROP HANDLES.....D-1
- BOX HANDLES WITH RETURN SPRING.....D-21
- PULL HANDLES D-41
- PLASTIC HANDLE AND SHELL GRIPS D-51
- LASHING LUGS D-61

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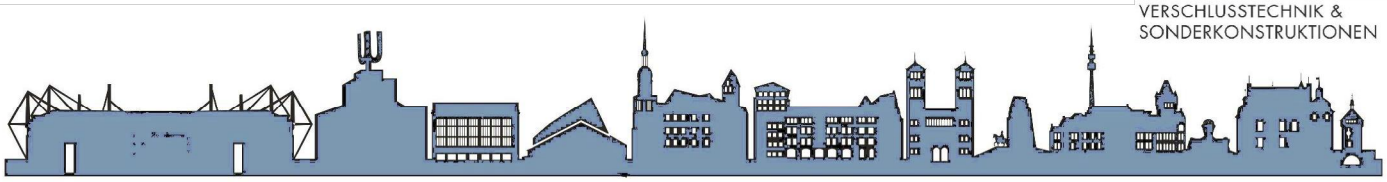

FOLDER 4 HINGES

PIANO HINGES ..... E

- HINGES F-1
- HEAVY HINGES F-31
- INDIVIDUAL PARTS FOR SELF MADE HINGES F-55
- SPRING HINGES F-61
- PLASTIC HINGES F-91
- TORQUE HINGES F-111
- SNAP-ON HINGE F-160
- CONCEALED HINGES F-171
- HINGE FOR VEHICLE CONSTRUCTION AND PLANT ENGINEERING F-191
- ALUMINIUM HINGES F-205
- CRANKED HINGES F-221
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- WELD ON HINGES G-1
- WELD ON HINGE ROLLS G-21

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LOCKING DEVICES ..... H

- LOCKING DEVICES AND MECHANICAL CATCH H-1
- HASPS H-23
- MAGNETIC CATCHES H-25

HOOD CATCHES I-12

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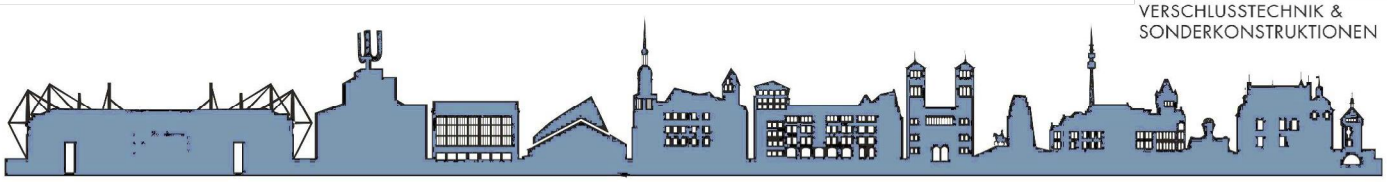

FOLDER 6 THREADED INSERTS

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RECOIL-TANGLESS R-71
KEENSERTS.....
SNEP-SELF LOCKING NUTS..... S-1

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SPRING CLIPS..... K-1
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- RUBBER METAL BUFFER..... M-1
- SELF ADHESIVE RUBBER BUFFERS M-27

GENERAL TERMS AND CONDITIONS .....

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HoKon
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FAX ORDER

Company:_____

Contact person:_____

Street:_____

PLZ:_____ City:_____

Tel.:_____ Fax:_____

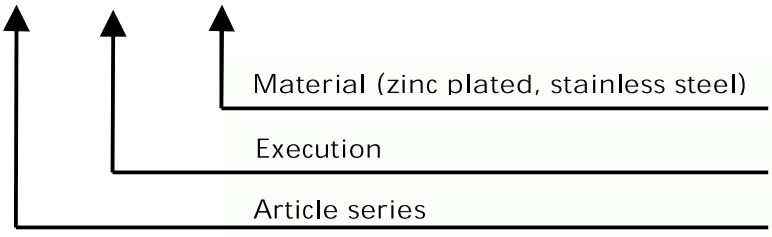
eMail:_____

Director:_____ Ust. - Id.No.:_____

Art.-no.	Description	Quantity	Price

Ordering example:

Art.no 6001. 01/02. 04/30



Ordering process:

Select the items you want from our catalogue, enter the article number in the left column and select the appropriate surface finishes; see example overhead.

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HoKon

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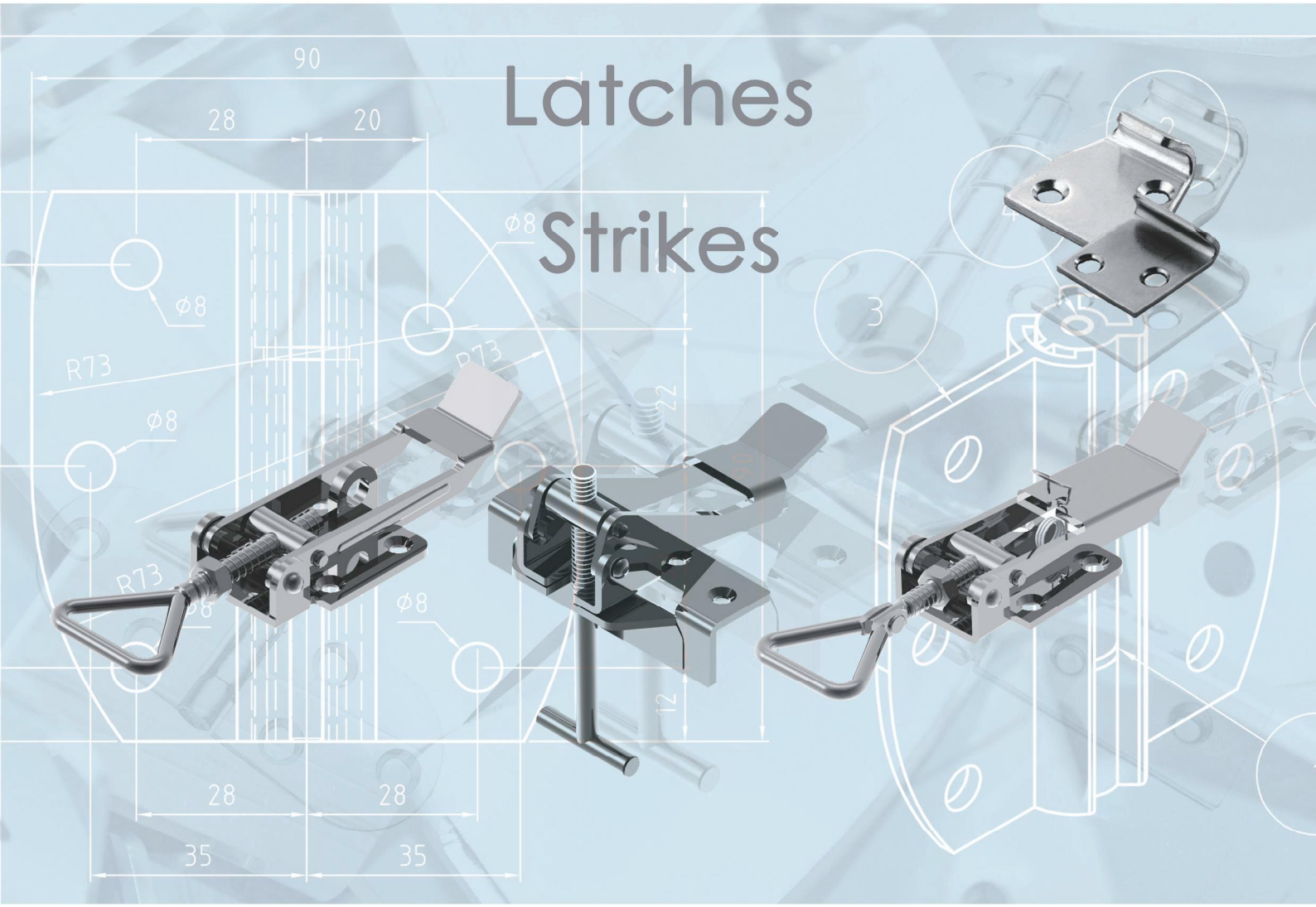
SONDERKONSTRUKTIONEN

Zertifiziert nach DIN EN ISO 9001:2008

Latches

Strikes



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IRIS™ Certification

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Management System
ISO 9001:2015
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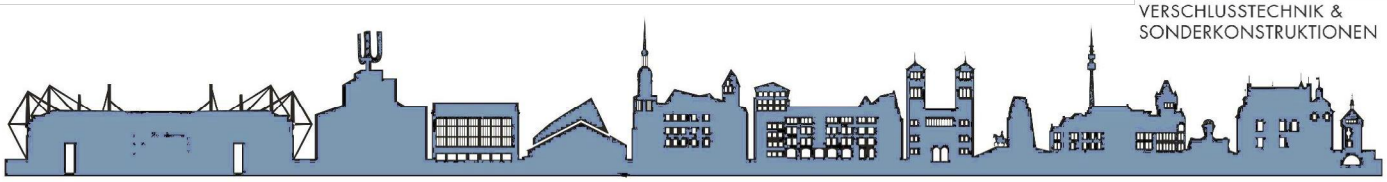

FOLDER 1 LATCHES

FOLDER 1 LATCHES

LATCHES ..... A

- LATCHES WITH WIRE BRACKET A-1
- LOCKABLE LATCHES A-19
- ADJUSTABLE LATCHES A-21
- LATCHES WITH SHEET METAL BRACKET A-51
- HEAVY LATCHES A-61
- SPRING LATCHES A-71
- „BUTTERFLY" LATCHES A-81

STRIKES ..... B

FOLDER 2 TENSION BANDS

FOLDER 3 HANDLES

FOLDER 4 HINGES

FOLDER 5 LOCKING DEVICES

FOLDER 6 THREADED INSERTS

FOLDER 7 SUNDRIES

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Latches

with wire bracket

Art.: 1001

Art.: 1002

Art.: 1003

Art.: 1008

Art.: 1009

Art.: 1010

Art.: 1012

Art.: 1013

Art.: 1014

Art.: 1017

Art.: 1018

Art.: 1019

Art.: 1021

Art.: 1022

Art.: 1023

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Latches

with wire bracket

Art.: 1035

Art.: 1037

Art.: 1039

Art.: 1042

Art.: 3001

Art.: 3002

Art.: 3004

Art.: 3005

Art.: 3006

Art.: 3007

Art.: 3008

Art.: 3009

Art.: 3011

Art.: 3135

Art.: 6370

Art.: 1070

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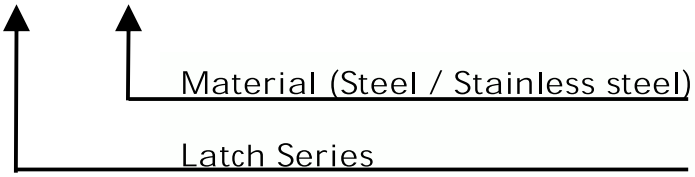
Latches

With wire bracket

Materials and surface finishes:

.00	Raw steel
.01	Nickel-plated
.02	Brassed
.03	Chromated
.04	Zinc plated steel
.05	Bronzed
.06	Black galvanized
.07	Blued
.08	Yellow chromated
.09	EPD (Electrophoretic deposition)
.10	Anodized silver-coloured
.20	Raw brass
.22	Polished brass
.23	Chromated brass
.30	Raw stainless steel (Stainless steel)
.33	Polished stainless steel
.35	Raw stainless steel (1.4401)
.50	Raw Zamak (zinc aluminium magnesium copper)
.70	Raw aluminium
.80	Raw polyamide

Ordering example:
Art.No. 1001 . 00/30



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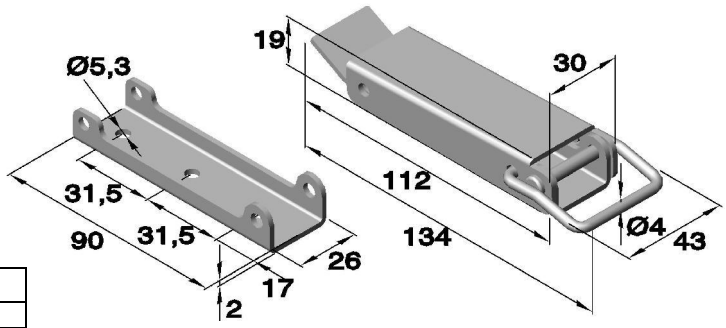
Latches
with wire bracket

Art. no.: 1001 (drilled)

Permitted tractive force: 2000 N
Breaking strength: 4000 N

Suitable strikes: see chapter „B"
Art. no.: 1001._ _/5

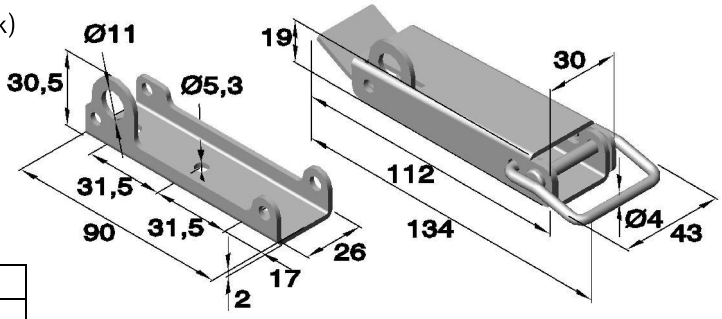


Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1001	.00/6	.01/6	.04/6	.30/6

Art. no.: 1002 (drilled, with secondary loop lock)

Permitted tractive force: 2000 N
Breaking strength: 4000 N

Suitable strikes: see chapter „B"
Art. no.: 1001._ _/5

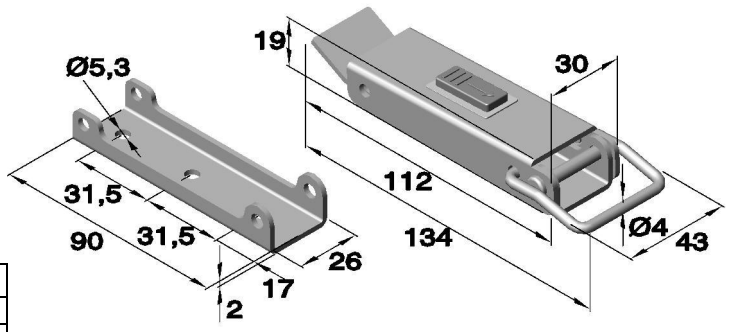


Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1002	.00/6	.01/6	.04/6	.30/6

Art. no.: 1003 (drilled, with safety interlock)

Permitted tractive force: 2000 N
Breaking strength: 4000 N

Suitable strikes: see chapter „B"
Art. no.: 1001._ _/5



Article no.		
Series	Material	
	Nickel plated	Raw
	Steel	Stainless steel
1003	.01/6	.30/6

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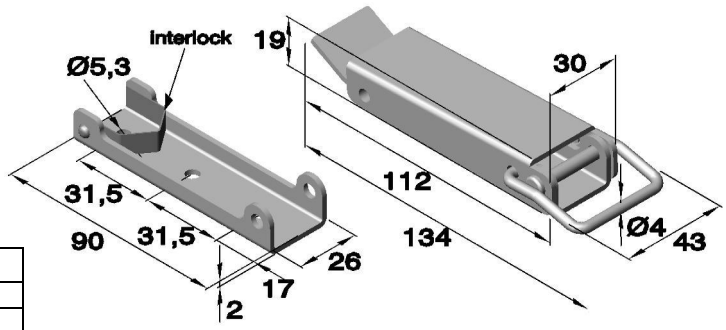
Latches
with wire bracket

Art. no.: 1004 (drilled, with click-interlock)

Permitted tractive force: 2000 N
Breaking strength: 4000 N

Suitable strikes: see chapter „B"
Art. no.: 1001._ _/5

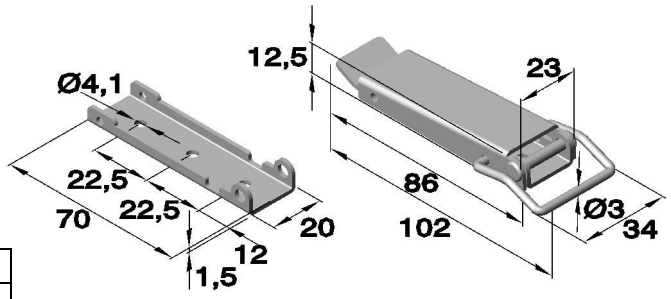


Article no.			
Series	Material		
	Nickel plated	Zinc plated	Raw
	Steel	Steel	Stainless steel
1004	.01/6	.04/6	.30/6

Art. no.: 1006 (drilled)

Permitted tractive force: 1500 N
Breaking strength: 3000 N

Suitable strikes: see chapter „B"
Art. no.: 1006._ _/5

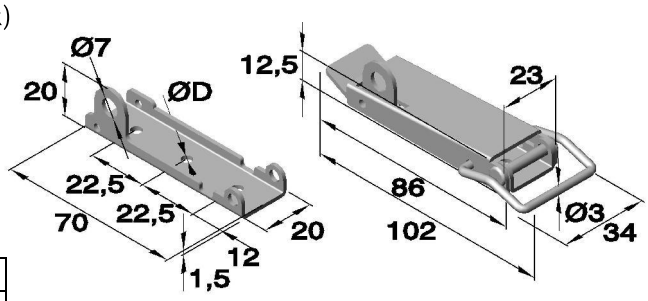


Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1006	.00/6	.01/6	.04/6	.30/6

Art. no.: 1007 (drilled, with secondary loop lock)

Permitted tractive force: 1500 N
Breaking strength: 3000 N

Suitable strikes: see chapter „B"
Art. no.: 1006._ _/5



Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1007	.00/6	.01/6	.04/6	.30/6

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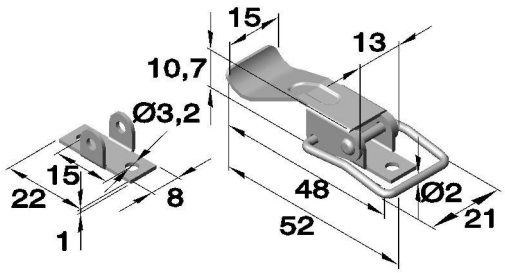
Latches
with wire bracket

Art. no.: 1008 (drilled)

Permitted tractive force: 400 N
Breaking strength: 1000 N

Suitable strikes: see chapter „B"
Art. no.: 1008._ _/5

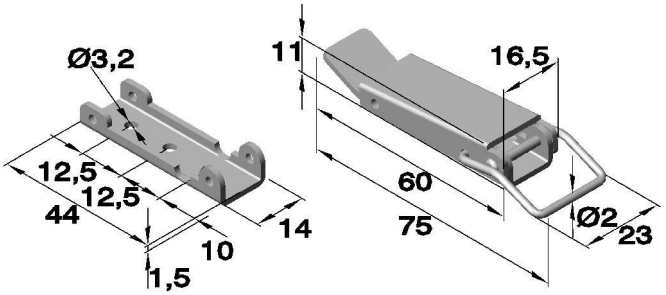


Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1008	.00/6	.01/6	.04/6	.30/6

Art. no.: 1009 (drilled)

Permitted tractive force: 550 N
Breaking strength: 1500 N

Suitable strikes: see chapter „B"
Art. no.: 1009._ _/5

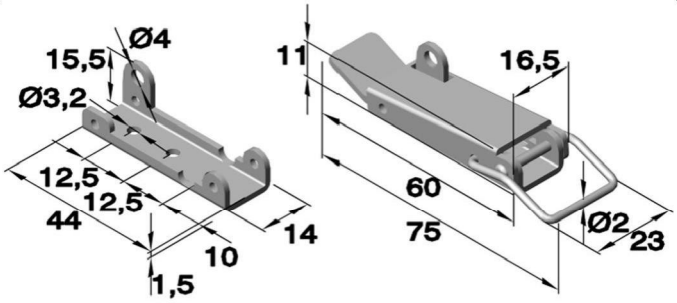


Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1009	.00/6	.01/6	.04/6	.30/6

Art. no.: 1010 (drilled, with secondary loop lock)

Permitted tractive force: 550 N
Breaking strength: 1500 N

Suitable strikes: see chapter „B"
Art. no.: 1009._ _/5



Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1010	.00/6	.01/6	.04/6	.30/6

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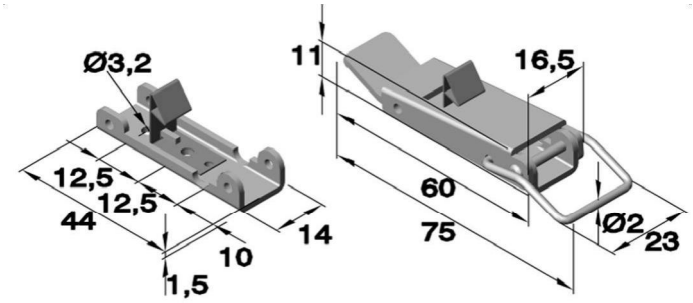
Latches
with wire bracket

Art. no.: 1012 (drilled, with safety spring)

Permitted tractive force: 550 N
Breaking strength: 1500 N

Suitable strikes: see chapter „B"
Art. no.: 1009._ _/5

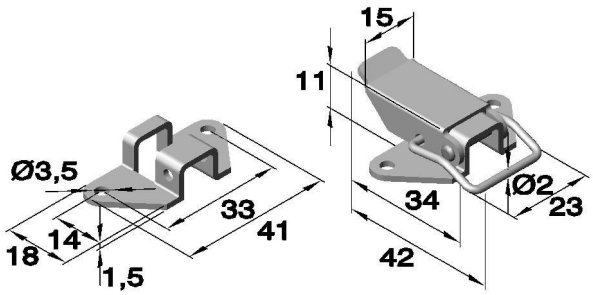


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1012	.04/6	.30/6

Art. no.: 1013 (drilled)

Permitted tractive force: 550 N
Breaking strength: 1500 N

Suitable strikes: see chapter „B"
Art. no.: 1013._ _/5

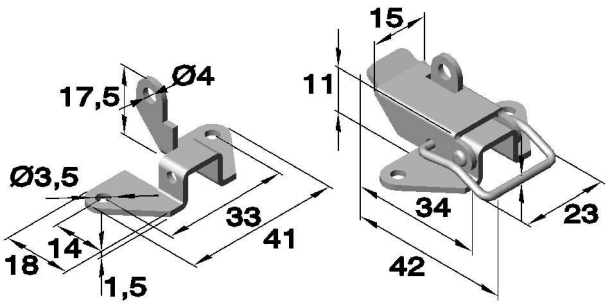


Article no.				
Series	Material			
	Steel	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1013	.00/6	.01/6	.04/6	.30/6

Art. no.: 1014 (drilled, with secondary loop locks)

Permitted tractive force: 550 N
Breaking strength: 1500 N

Suitable strikes: see chapter „B"
Art. no.: 1013._ _/5



Article no.			
Series	Material		
	Steel	Nickel plated	Zinc plated
	Steel	Steel	Steel
1014	.00/6	.01/6	.04/6

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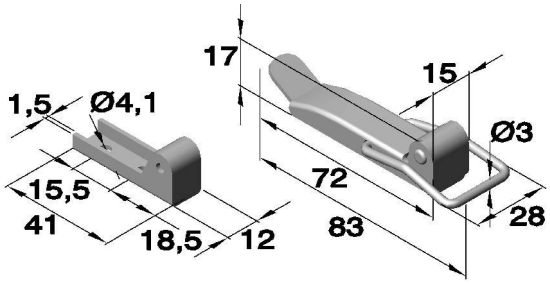
Latches
with wire bracket

Art. no.: 1017 (drilled)

Permitted tractive force: 1000N
Breaking strength: 2500N

Suitable strikes: see chapter „B"
Art. no.: 1015._ _/5

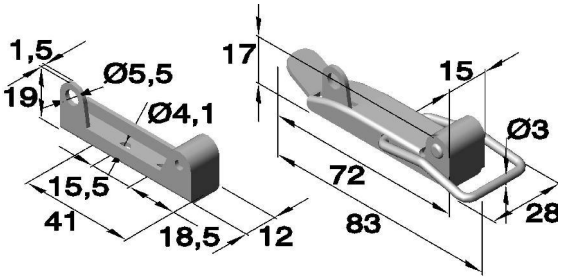


Article no.				
Series	Material			
	Steel	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1017	.00/6	.01/6	.04/6	.30/6

Art. no.: 1018 (drilled, with secondary loop locks)

Permitted tractive force: 1000N
Breaking strength: 2500N

Suitable strikes: see chapter „B"
Art. no.: 1015._ _/5

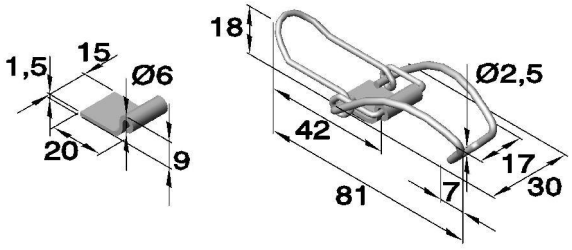


Article no.				
Series	Material			
	Steel	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1018	.00/6	.01/6	.04/6	.30/6

Art. no.: 1019

Permitted tractive force: 300N
Breaking strength: 600N

Suitable strikes: see chapter „B"



Article no.	
Series	Material
	Zinc plated
	Steel
1019	.04/6

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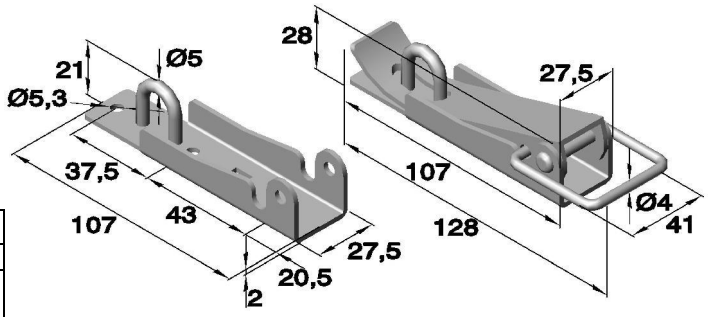
Latches
with wire bracket

Art. no.: 1021 (drilled, with secondary loop locks)

Permitted tractive force: 2000 N
Breaking strength: 3500 N

Suitable strikes: see chapter „B"
Art. no.: 1001._ _/5

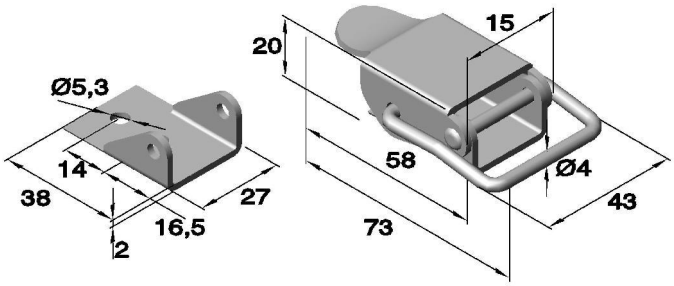


Article no.	
Series	Material
	Zinc plated
	Steel
1021	.04/6

Art. no.: 1022 (drilled)

Permitted tractive force: 1500 N
Breaking strength: 3000 N

Suitable strikes: see chapter „B"
Art. no.: 1039._ _/5

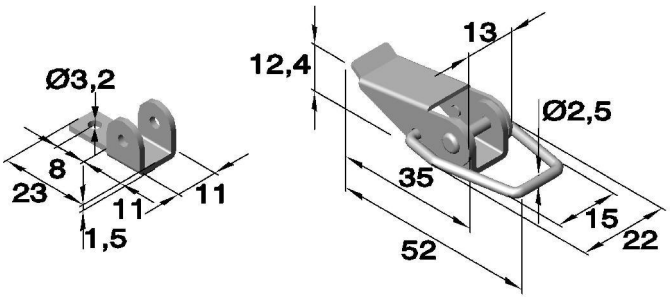


Article no.	
Series	Material
	Zinc plated
	Steel
1022	.04/6

Art. no.: 1023 (drilled)

Permitted tractive force: 400 N
Breaking strength: 1000 N

Suitable strikes: see chapter „B"
Art. no.: 1023._ _/5



Article no.	
Series	Material
	Zinc plated
	Steel
1023	.04/6

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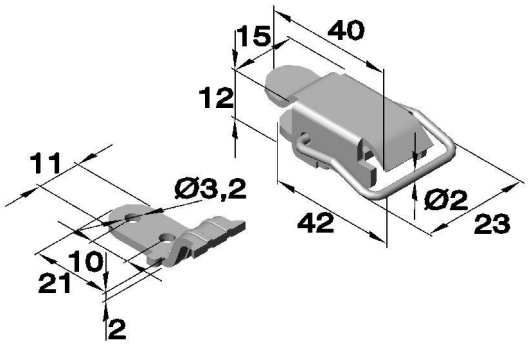
Latches
with wire bracket

Art. no.: 1035 (drilled)

Permitted tractive force: 550 N
Breaking strength: 1000 N

Suitable strikes: see chapter „B"
Art. no.: 1034._ _/5

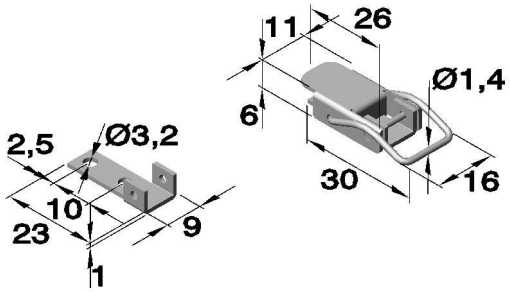


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1035	.04/6	.30/6

Art. no.: 1037 (drilled)

Permitted tractive force: 150 N
Breaking strength: 300 N

Suitable strikes: see chapter „B"
Art. no.: 1036._ _/5

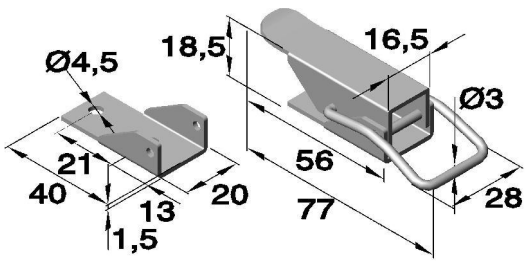


Article no.	
Series	Material
	Zinc plated
	Steel
1037	.04/6

Art. no.: 1039 (drilled)

Permitted tractive force: 1000 N
Breaking strength: 2500 N

Suitable strikes: see chapter „B"
Art. no.: 1039._ _/5



Article no.		
Series	Material	
	Zinc plated	Bronzed
	Steel	Steel
1039	.04/6	.05/6

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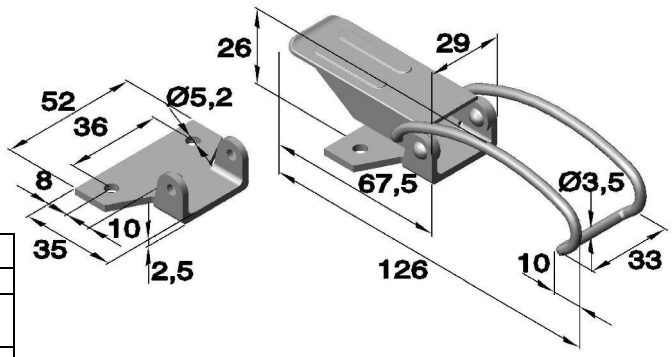
Latches
with wire bracket

Art. no.: 1042 (drilled)

Permitted tractive force: 200 N
Breaking strength: 3500 N

Suitable strikes: see chapter „B"

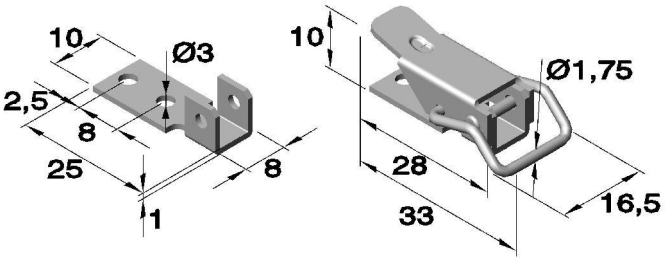
Article no.	
Series	Material
	Zinc plated
	Steel
1042	.04



Art. no.: 3001 (drilled)

Suitable strikes: see chapter „B"
Art. no.: 3601._ _

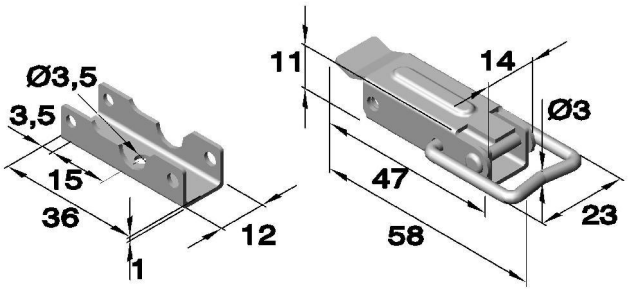
Article no.	
Series	Material
	Zinc plated
	Steel
3001	.04



Art. no.: 3002 (drilled)

Suitable strikes: see chapter „B"
Art. no.: 3602._ _

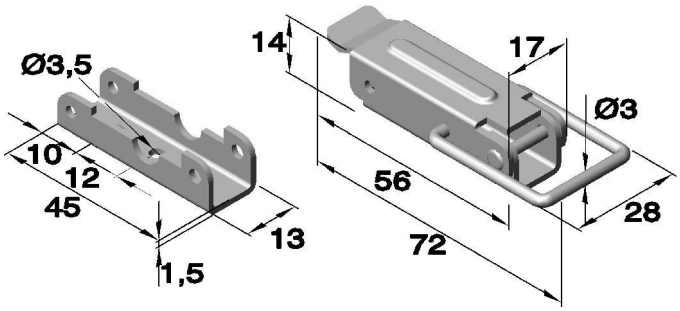
Article no.			
Series	Material		
	Zinc plated	Raw	Polished
	Steel	Stainless steel	Stainless steel
3002	.04	.30	.33



Art. no.: 3003 (drilled)

Suitable strikes: see chapter „B"
Art. no.: 3603._ _

Article no.			
Series	Material		
	Zinc plated	Raw	Polished
	Steel	Stainless steel	Stainless steel
3003	.04	.30	.33



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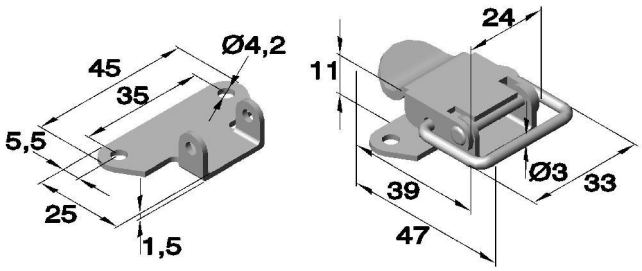
Latches
with wire bracket

Art. no.: 3004 (drilled)

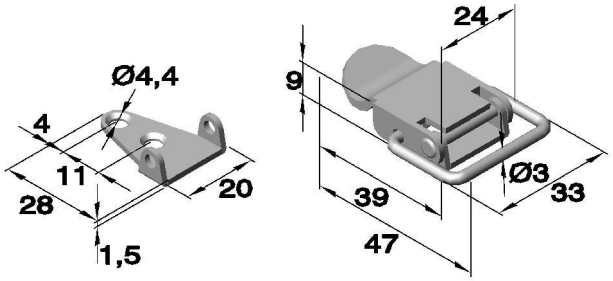
Suitable strikes: see chapter „B"
Art. no.: 3604._ _
Art. no.: 3619._ _



Article no.				
Series	Material			
	Zinc plated	Raw	Polished	Seawater resistant
	Steel	Stainless steel	Stainless steel	Stainless steel
3004	.04	.30	.33	.35

Art. no.: 3005 (drilled and countersunk)

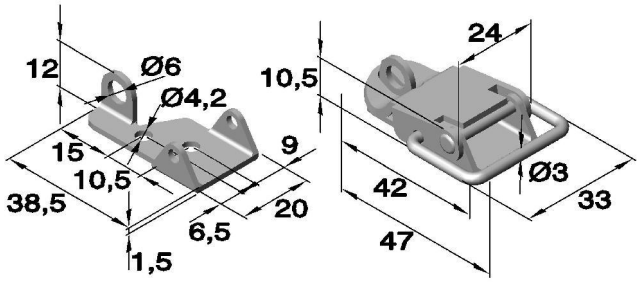
Suitable strikes: see chapter „B"
Art. no.: 3604._ _
Art. no.: 3619._ _



Article no.	
Series	Material
	Zinc plated
	Steel
3005	.04

Art. no.: 3006 (drilled)

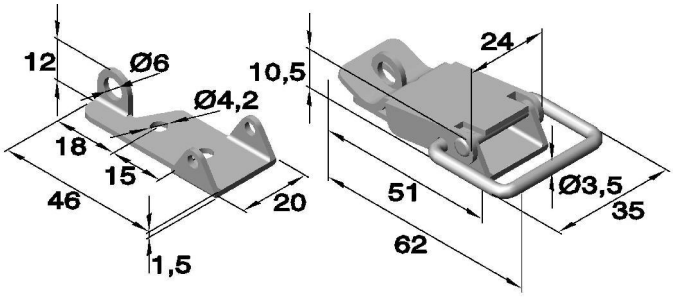
Suitable strikes: see chapter „B"
Art. no.: 3604._ _
Art. no.: 3619._ _



Article no.	
Series	Material
	Zinc plated
	Steel
3006	.04

Art. no.: 3007 (drilled)

Suitable strikes: see chapter „B"
Art. no.: 3604._ _ Art. no.: 3610._ _
Art. no.: 3606._ _ Art. no.: 3619._ _



Article no.			
Series	Material		
	Zinc plated	Stainless steel	Polished stainless steel
	Steel	Stainless steel	Stainless steel
3007	.04	.30	.33

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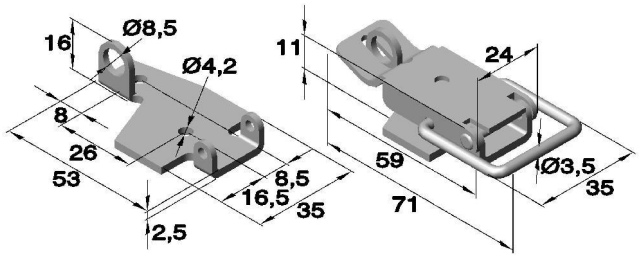
Latches
with wire bracket

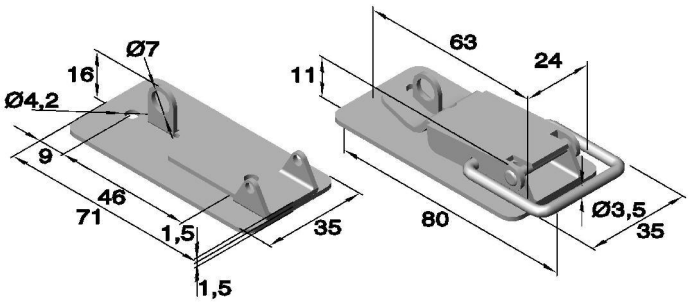
Art. no.: 3008 (drilled)



Suitable strikes: see chapter „B"
Art. no.: 3604._ _ Art. no.: 3610._ _
Art. no.: 3606._ _ Art. no.: 3619._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3008	.04

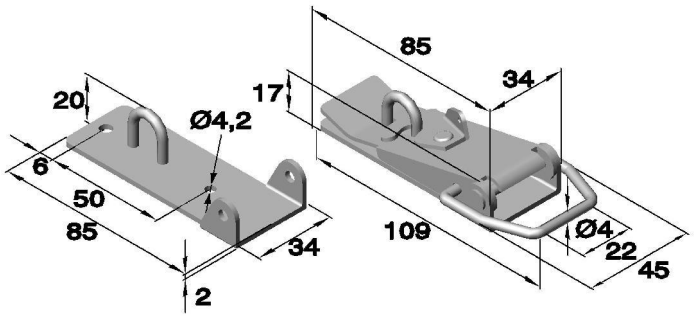
Art. no.: 3009 (drilled)



Suitable strikes: see chapter „B"
Art. no.: 3604._ _ Art. no.: 3610._ _
Art. no.: 3606._ _ Art. no.: 3619._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3009	.04

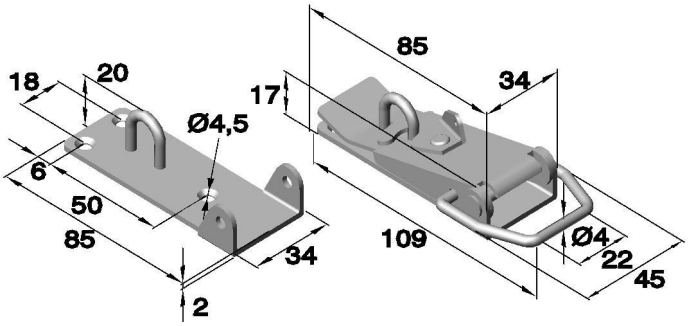
Art. no.: 3011 (drilled)



Suitable strikes: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3011	.04

Art.Nr. 3021 (drilled)



Suitable strikes: see chapter „B"
Art.Nr. 3608._ _ Art.Nr. 3622._ _
Art.Nr. 3611._ _ Art.Nr. 3625._ _
Art.Nr. 3612._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3021	.04

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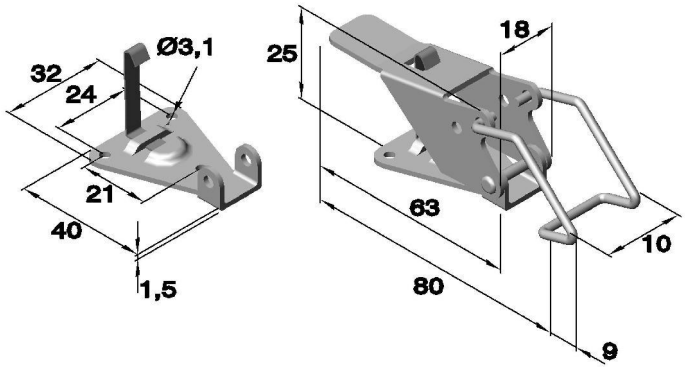
Latches
with wire bracket

Art. no.: 3135 (drilled, with safety spring)

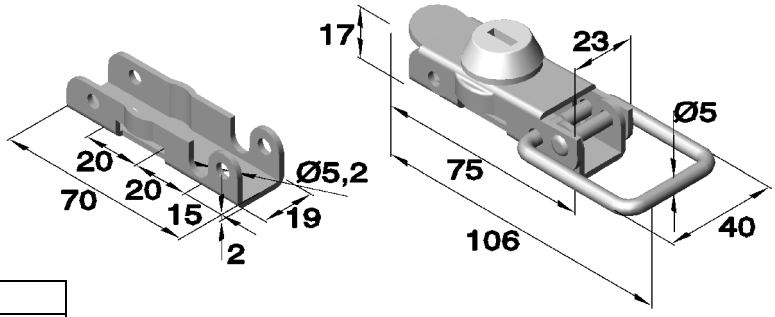
Suitable strikes: see chapter „B"



Article no.	
Series	Material
	Zinc plated
	Steel
3135	.04

Art. no.: 6370 (drilled and countersunk)
with lock

Suitable strikes: see chapter „B"
Art. no.: 6375.02.04

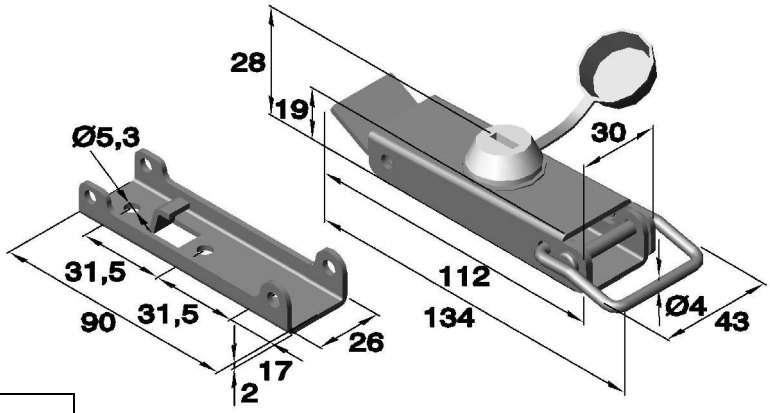


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6370	.04	.30

Art.Nr. 1070 (drilled)
with lock

Permitted tractive force: 2000 N
Breaking strength: 4000 N

Suitable strikes: see chapter „B"
Art.no. 1001.__/5



Article no.	
Series	Material
	Black Zinc plated
	Steel
1070	.06/6

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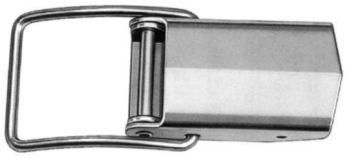
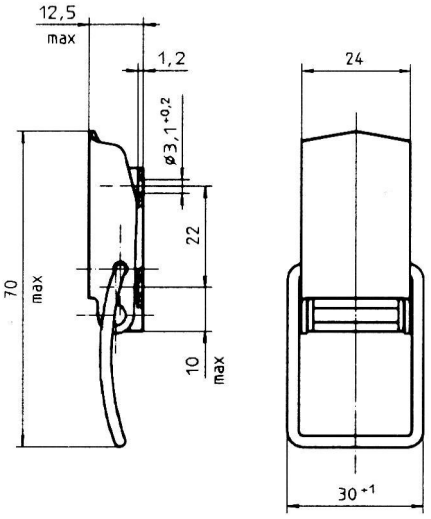
Latches
with wire bracket

Art.Nr. 1429L (drilled)

Tensile load 1500 N
Operating load 1000 N

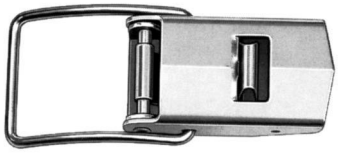


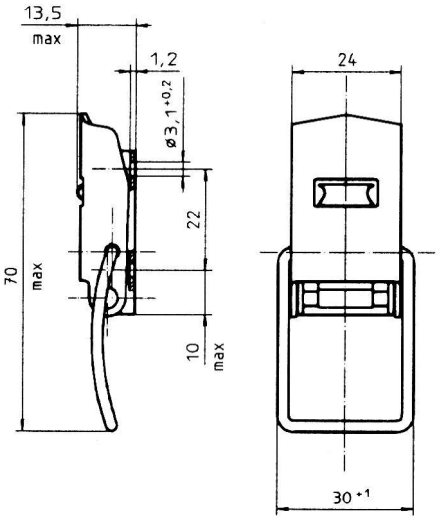


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1429L02-2-	1AG	1BP

Art.Nr. 1429L (drilled)

Tensile load 1100 N
Operating load 800 N

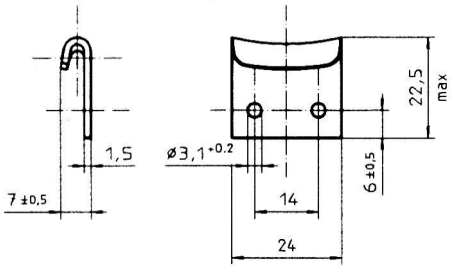


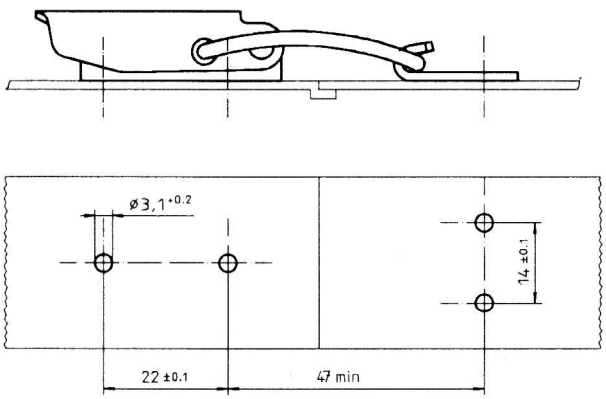


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1429L02-2X	1AG	1BP

Suitable clamp

Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1429L9-	1AG	1BP





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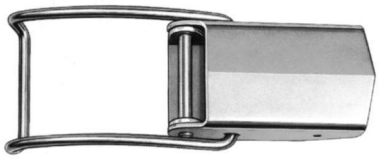
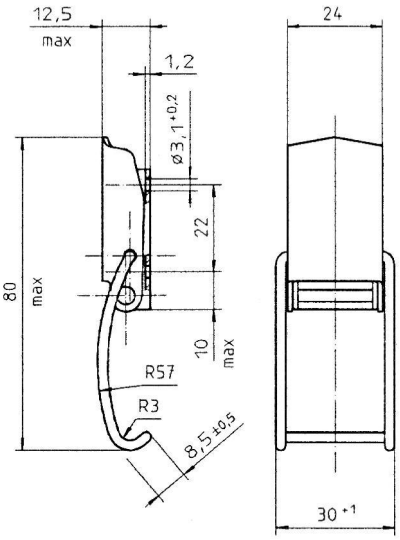
Latches

with wire bracket

Art.Nr. 1429L (drilled)

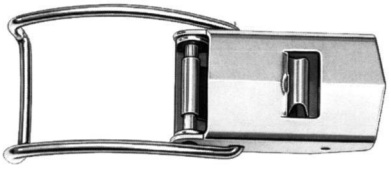


Tensile load max. 1100 N
Operating load 800 N

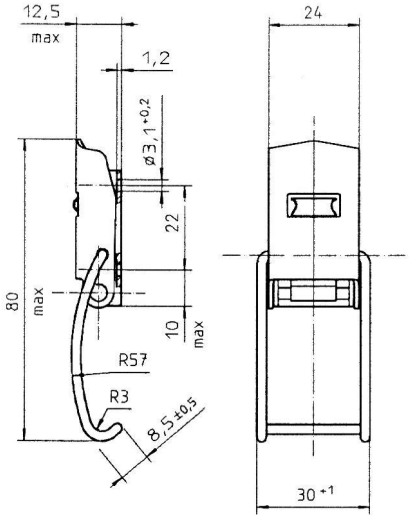


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1429L02-3-	1AG	1BP

Art.Nr. 1429L (drilled)



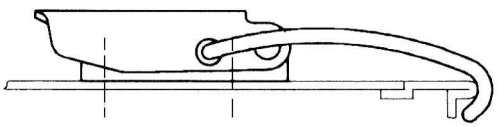
Tensile load max. 1100 N
Operating load 800 N

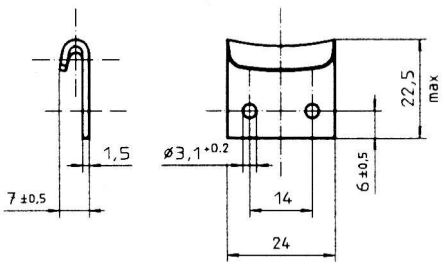


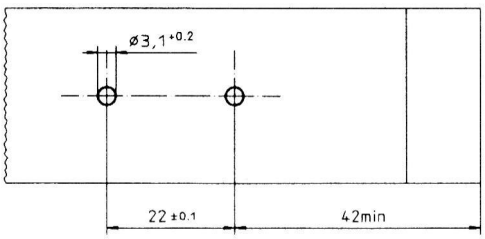
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1429L02-3X	1AG	1BP

Suitable clamp

Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1429L9-	1AG	1BP







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Lockable latches

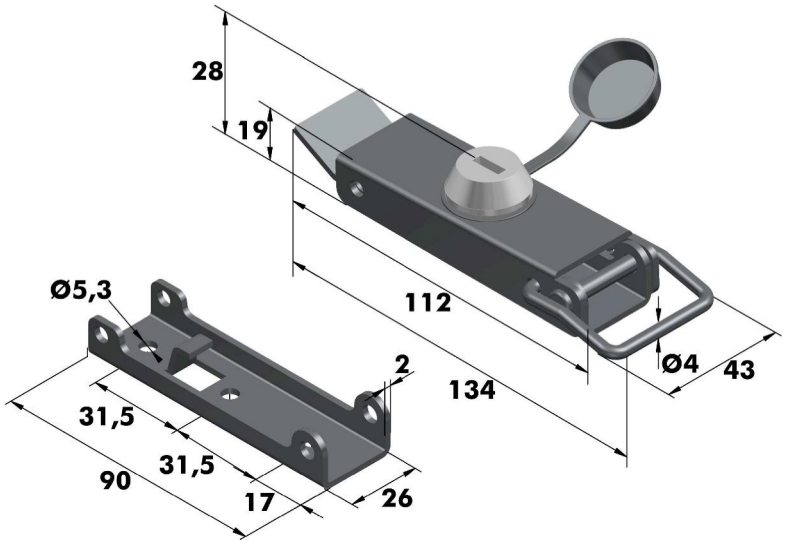
Art.Nr. 1070 (drilled)

with lock

Permitted tractive force: 2000 N
Breaking strength: 4000 N

Suitable strikes: see chapter „B"
Art.no. 1001.__/5

Article no.	
Series	Material
	Black Zinc plated
	Steel
1070	.06/6

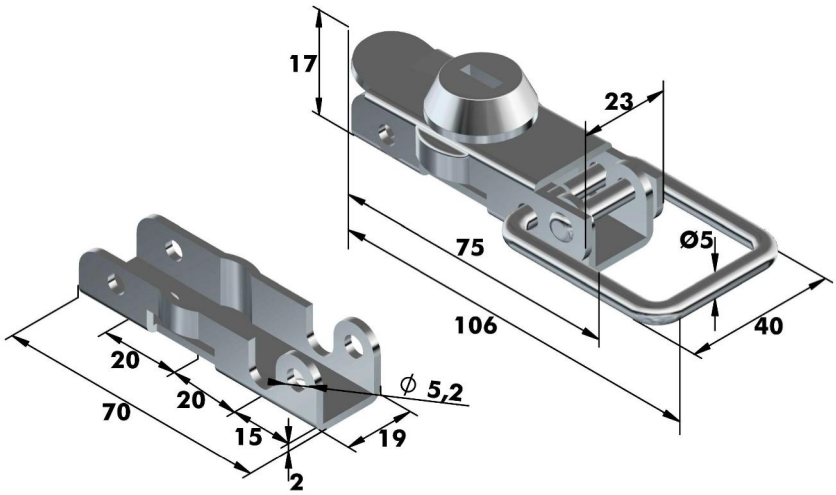


Art. no.: 6370 (drilled and countersunk)

with lock

Suitable strikes: see chapter „B"
Art. no.: 6375.02.04

Article no.	
Series	Material
	Zinc plated
	Steel
6370	.04

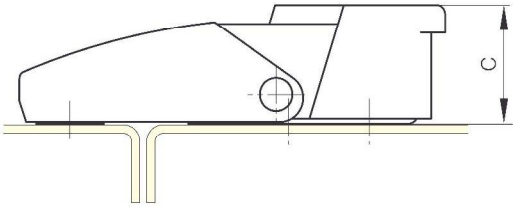


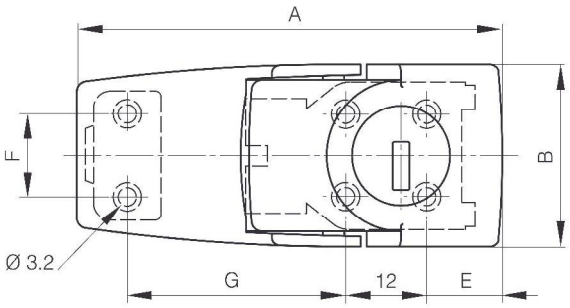
Lockable latches

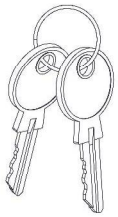
Art.no.:6344

Strike plate included.

Article no.				Dimension in mm					
Series	Model	Material Black coated Zamak		A	B	C	E	F	G
6344	.01	.50	with lock	64,5	26,5	17,3	13	12	30
6344	.02	.50	without lock	64,5	26,5	17,3	13	12	30
6344	.03	.50	with lock	76	32	21	16,8	16	35,5
6344	.04	.50	without lock	76	32	21	16,8	16	35,5



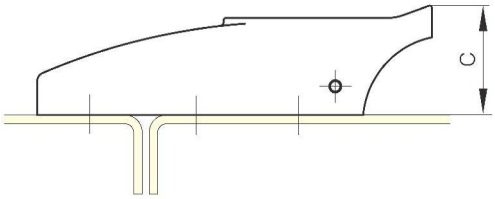


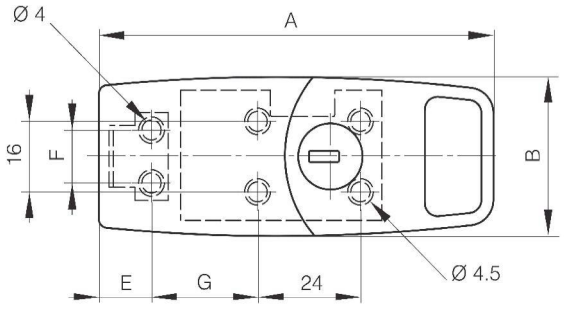


Art.no.:6332

Strike plate included.

Article no.		Dimension in mm					
Series	Material black coated Zamak	A	B	C	E	F	G
6332	.50	92	36	25	12	12	28-32





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Adjustable latches

Art.: 1015

Art.: 1016

Art.: 1024

Art.: 1025

Art.: 1027

Art.: 1028

Art.: 1029

Art.: 1030

Art.: 1031

Art.: 1032

Art.: 1033

Art.: 1038

Art.: 3012

Art.: 3013

Art.: 3014

Art.: 3015

Art.: 3016

Art.: 3017

Art.: 3018

Art.: 3019

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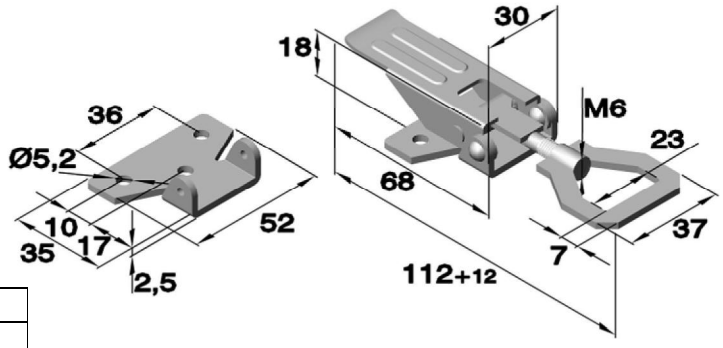
Adjustable latches

Art. no.: 1015 (drilled)

Permitted tractive force: 1100N
Breaking strength: 2500N

Suitable clamps: see chapter „B"
Art. no.: 1015._ _/5

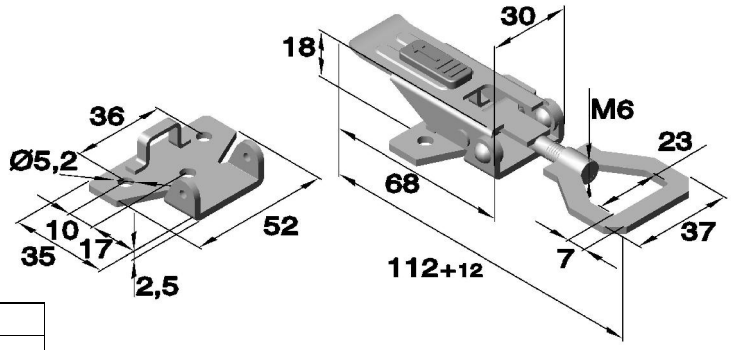


Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1015	.00/6	.01/6	.04/6	.30/6

Art. no.: 1016 (drilled)
with safety interlock

Permitted tractive force: 1100N
Breaking strength: 2500N

Suitable clamps: see chapter „B"
Art. no.: 1015._ _/5

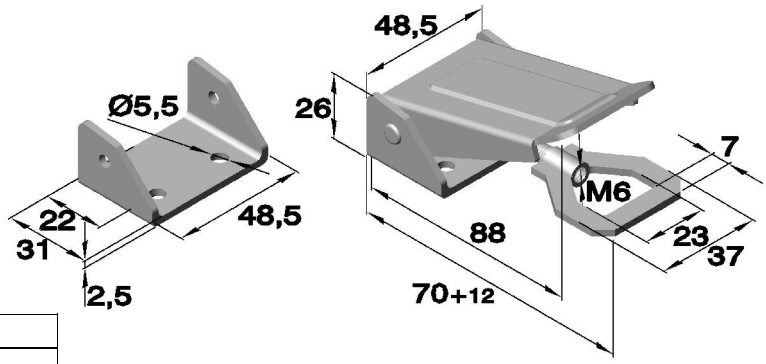


Article no.		
Series	Material	
	Nickel plated	Raw
	Steel	Stainless steel
1016	.01/6	.30/6

Art. no.: 1024 (drilled)

Permitted tractive force: 1500N
Breaking strength: 3000 N

Suitable clamps: see chapter „B"
Art. no.: 1024._ _/5



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1024	.04/6	.30/6

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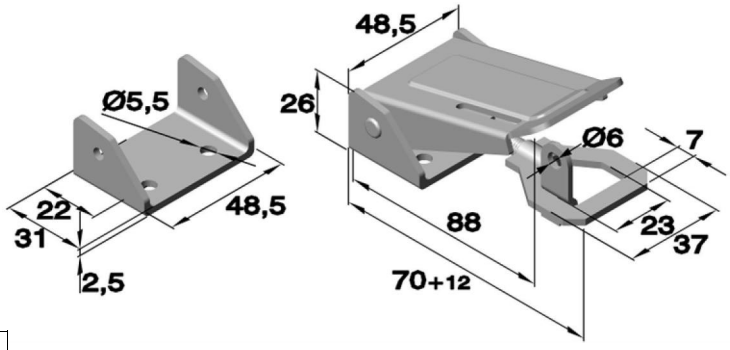
Adjustable latches

Art. no.: 1025 (drilled)

with lock bracket

Permitted tractive force: 1500N
Breaking strength: 3000N

Suitable clamps: see chapter „B"
Art. no.: 1024._ _/5

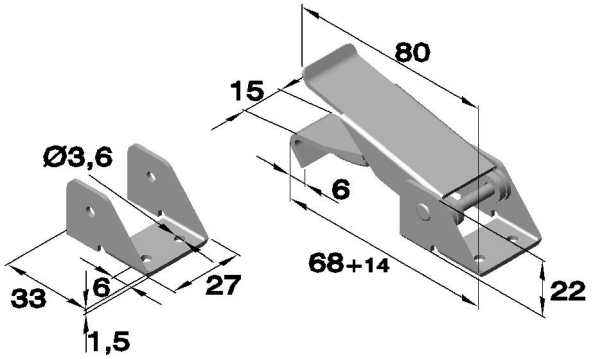


Article no.	
Series	Material
	Zinc plated
	Steel
1025	.04/6

Art. no.: 1027 (drilled)

Permitted tractive force: 1000N
Breaking strength: 2000N

Suitable clamps: see chapter „B"
Art. no.: 1027._ _/5



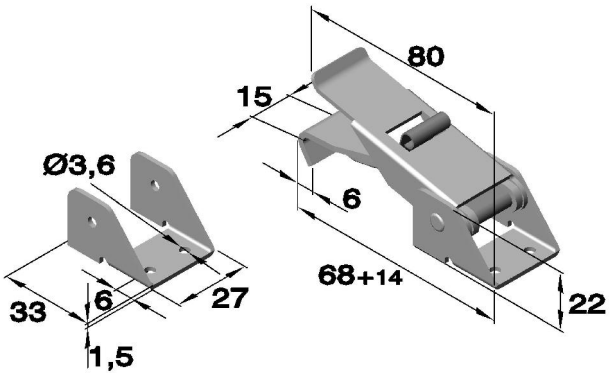
Article no.		
Series	Material	
	Nickel plated	Zinc plated
	Steel	Steel
1027	.01/6	.04/6

Art. no.: 1028 (drilled)

with safety spring

Permitted tractive force: 1000N
Breaking strength: 2000N

Suitable clamps: see chapter „B"
Art. no.: 1027._ _/5



Article no.	
Series	Material
	Zinc plated
	Steel
1028	.04/6

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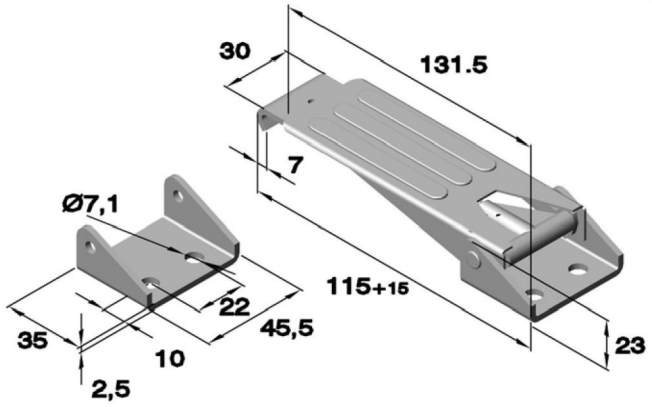
Adjustable latches

Art. no.: 1029 (drilled)

Permitted tractive force: 2000N
Breaking strength: 4000N

Suitable clamps: see chapter „B"
Art. no.: 1029._ _/5



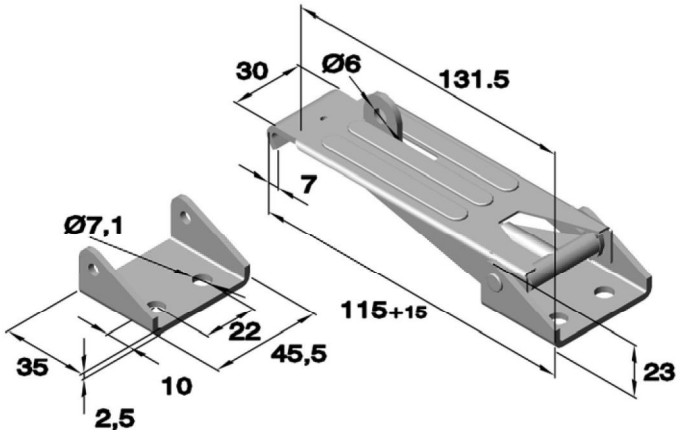
Article no.	
Series	Material
	Zinc plated
	Steel
1029	.04/6

Art. no.: 1030 (drilled)

with secondary loop lock

Permitted tractive force: 2000N
Breaking strength: 4000N

Suitable clamps: see chapter „B"
Art. no.: 1029._ _/5

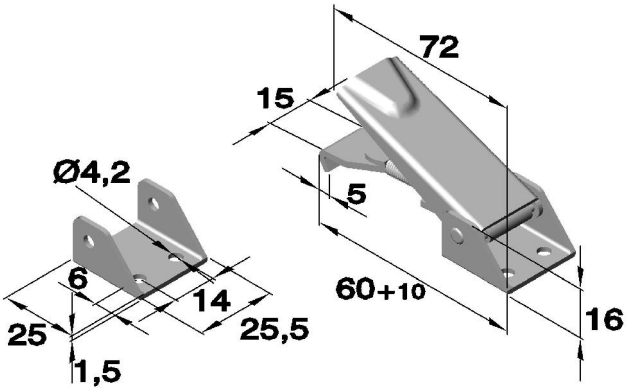


Article no.	
Series	Material
	Zinc plated
	Steel
1030	.04/6

Art. no.: 1031 (drilled)

Permitted tractive force: 1000N
Breaking strength: 1400N

Suitable clamps: see chapter „B"
Art. no.: 1031._ _/5



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1031	.04/6	.30/6

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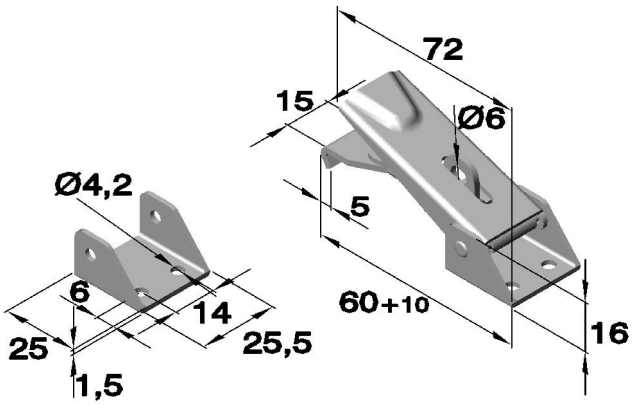
Adjustable latches

Art. no.: 1032 (drilled)

with secondary loop lock

Permitted tractive force: 1000N
Breaking strength: 1400N

Suitable clamps: see chapter „B"
Art. no.: 1031._ _/5



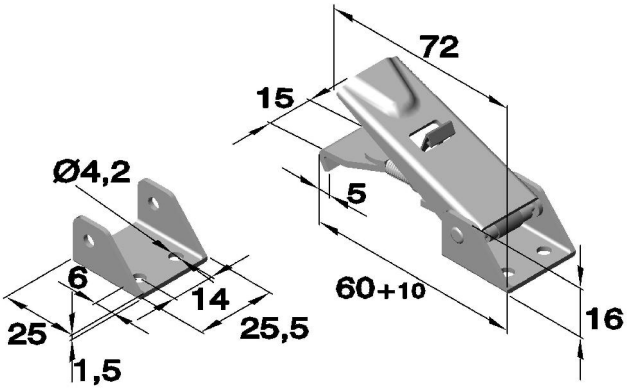
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1032	.04/6	.30/6

Art. no.: 1033 (drilled)

with safety spring

Permitted tractive force: 1000N
Breaking strength: 1400N

Suitable clamps: see chapter „B"
Art. no.: 1031._ _/5

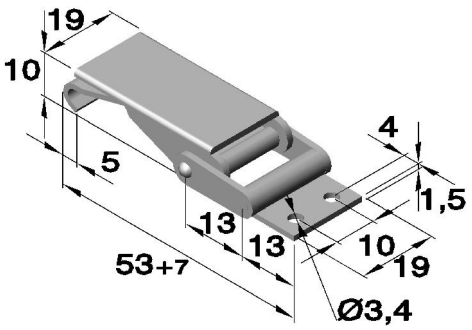


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1033	.04/6	.30/6

Art. no.: 1038 (drilled)

Permitted tractive force: 750N
Breaking strength: 1500N

Suitable clamps: see chapter „B"
Art. no.: 1038._ _/5



Article no.	
Series	Material
	Zinc plated
	Steel
1038	.04/6

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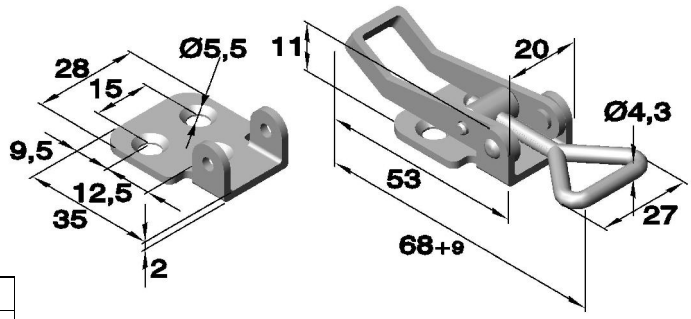
Adjustable latches

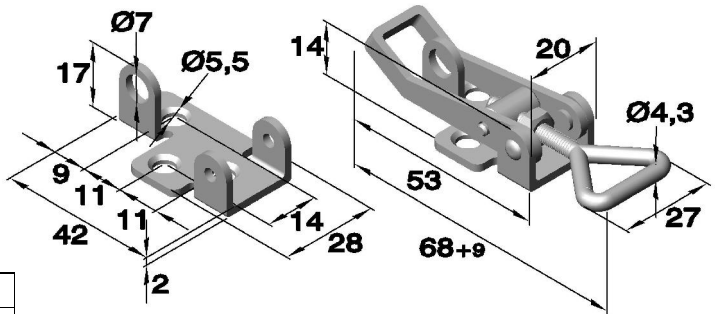
Art. no.: 3012 (drilled and countersunk)



Suitable clamps: see chapter „B"
Art. no.: 3605._ _
Art. no.: 3616._ _
Art. no.: 3618._ _

Article no.			
Series	Material		
	Zinc plated	Raw	Polished
	Steel	Stainless steel	stainless steel
3012	.04	.30	.33

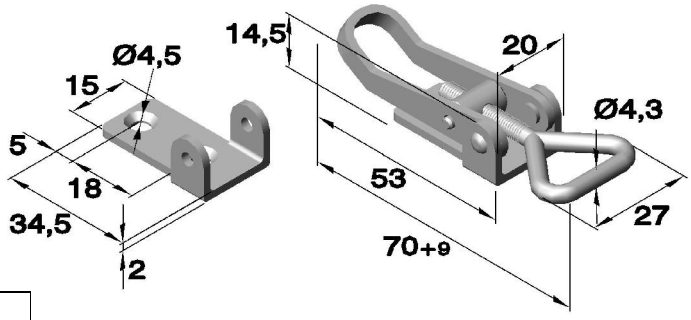
Art. no.: 3013 (drilled and countersunk)
with padlock



Suitable clamps: see chapter „B"
Art. no.: 3605._ _
Art. no.: 3616._ _
Art. no.: 3618._ _

Article no.			
Series	Material		
	Zinc plated	Raw	Polished
	Steel	Stainless steel	Stainless steel
3013	.04	.30	.33

Art. no.: 3014 (drilled and countersunk)



Suitable clamps: see chapter „B"
Art. no.: 3605._ _
Art. no.: 3616._ _
Art. no.: 3618._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3014	.04

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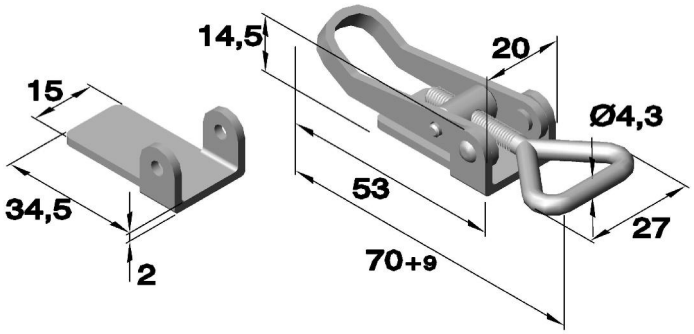
Adjustable latches

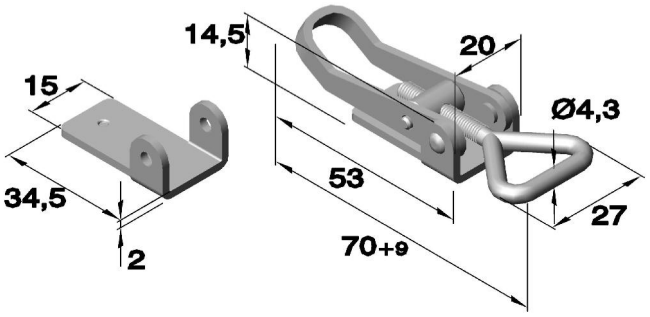
Art.no.: 3014.__-U1



Suitable clamps: see chapter „B"
Art.no. 3605._ _
Art.no. 3616._ _
Art.no. 3618._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3014	.04-U1

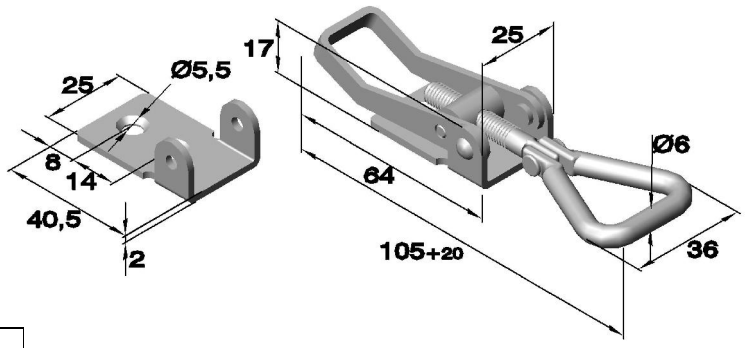
Art.no. 3014.__-U1S (with welding projection)



Suitable clamps: see chapter „B"
Art.no. 3605._ _
Art.no. 3616._ _
Art.no. 3618._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3014	.04-U1S

Art. no.: 3015 (drilled and countersunk)
with riveted triangle



Suitable clamps: see chapter „B"
Art. no.3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _

Article no.	
Series	Material
	Zinc plated
	Steel
3015	.04

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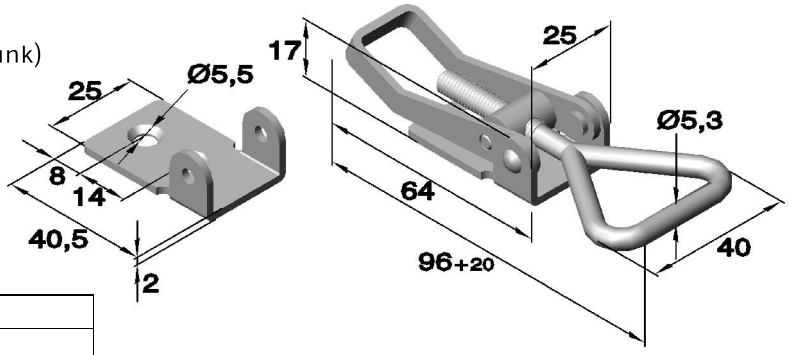
Adjustable latches

Art. no.: 3015.__ (drilled and countersunk)
with welded triangle

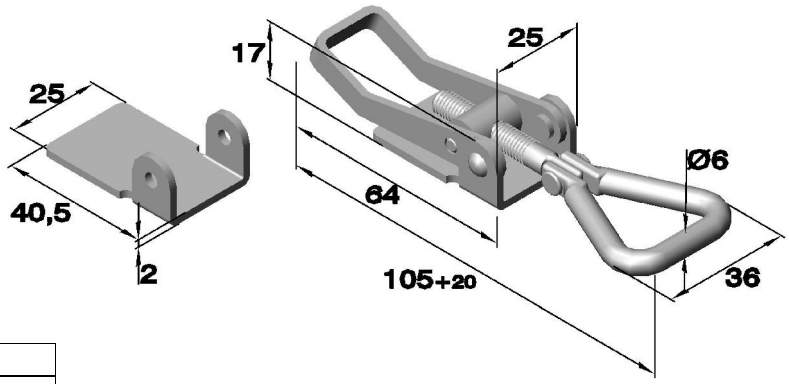
Suitable clamps: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.	
Series	Material
	Raw
	Stainless steel
3015	.30

Art. no.: 3015.__
with riveted triangle

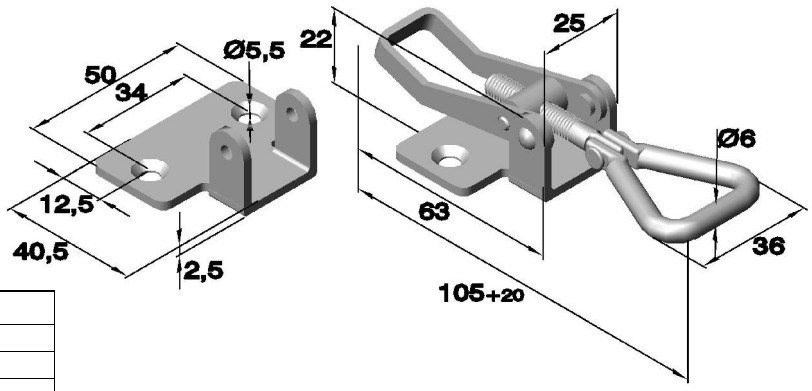
Suitable clamps: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.		
Series	Material	
	Zinc plated	Polished
	Steel	Stainless steel
3015	.04 G-1	.33 RF-1

Art. no.: 3016 (drilled and countersunk)
with riveted triangle

Suitable clamps: see chapter „B"
Art. no.3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.	
Series	Material
	Zinc plated
	Steel
3016	.04

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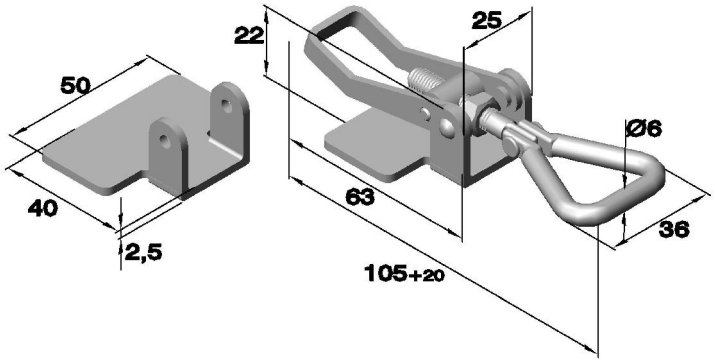
Adjustable latches

Art. no.: 3016.__-U1
with riveted triangle

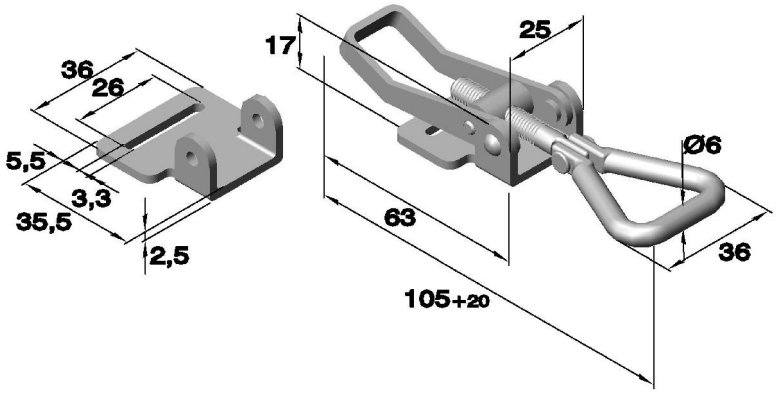
Suitable clamps: see chapter „B"
Art. no.3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.		
Series	Material	
	Zinc plated	Polished
	Steel	Stainless steel
3016	.04-U1	.30-U1

Art. no.: 3017
with riveted triangle

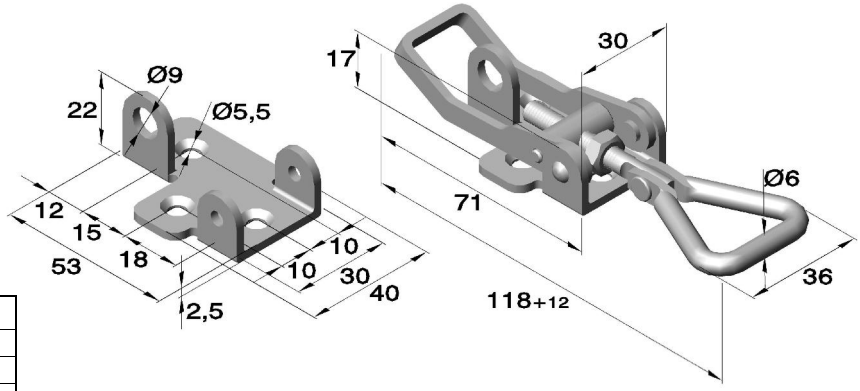
Suitable clamps: see chapter „B"
Art. no.3609._ _



Article no.	
Series	Material
	Zinc plated
	Steel
3017	.04

Art. no.: 3018 (drilled and countersunk)
with riveted triangle

Suitable clamps: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.		
Series	Material	
	Zinc plated	Polished
	Steel	Stainless steel
3018	.04	.33

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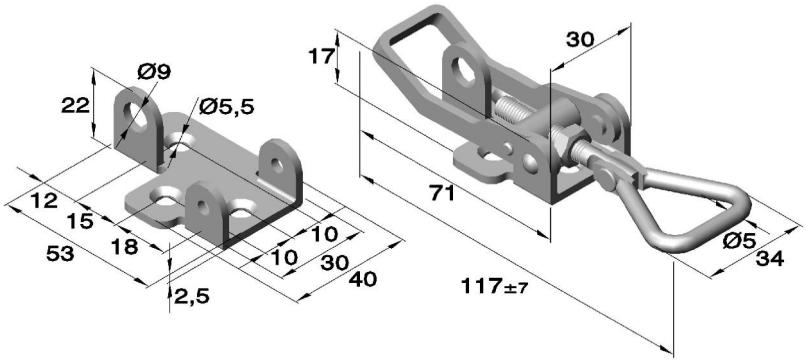
Adjustable latches

Art. no.: 3018 (drilled and countersunk)
with welded triangle

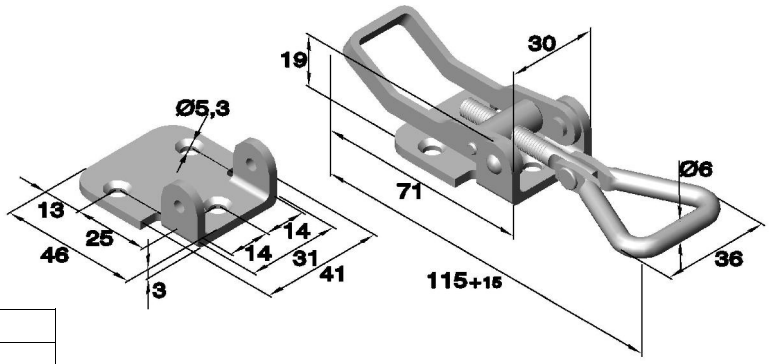
Suitable clamps: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.	
Series	Material
	Polished
	Stainless steel
3018	.33/GT

Art. no.: 3019 (drilled and countersunk)
with riveted triangle

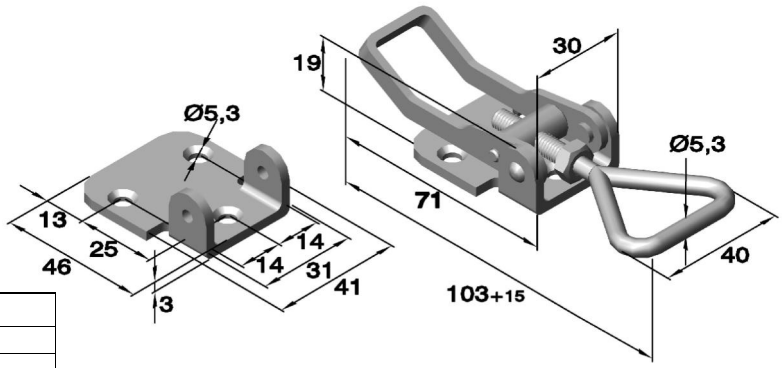
Suitable clamps: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.	
Series	Material
	Zinc plated
	Steel
3019	.04

Art. no.: 3019 (drilled and countersunk)
with riveted triangle

Suitable clamps: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.		
Series	Material	
	Stainless steel	Polished
	Stainless steel	Stainless steel
3019	.30	.33

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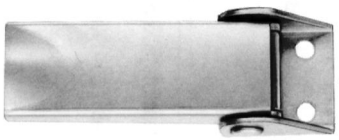
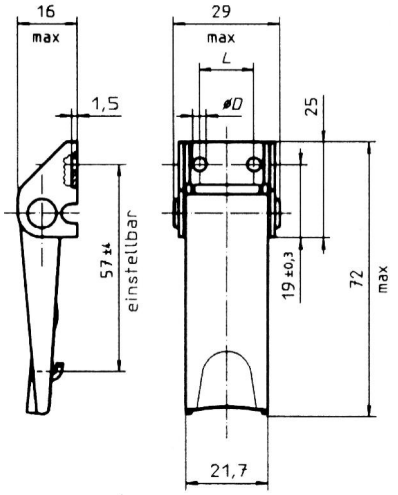
Adjustable latches

Art.no. V951L02 (drilled)

Tensile load max. 2300 N
Operating load up to 1550 N

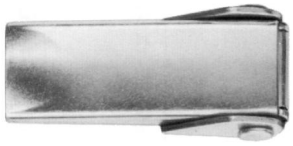


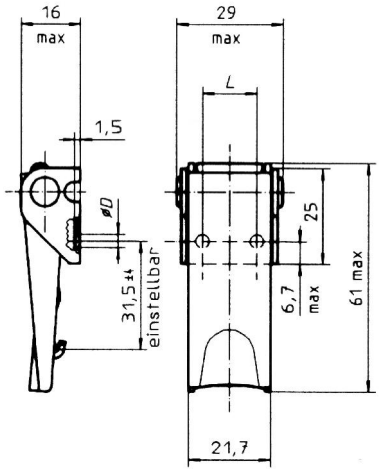


Article no.				Dimensions in mm	
Series	Material			D	L
	Zinc plated	Chromated	Raw		
	Steel	Steel	Stainless steel		
V951L02-1-	1AGV	1AD	1BP	3,6	14,3
V951L02-1-	5AGV	-	5BP	4,2	12,7
V951L02-1-	2AGV	-	2BP	without bore	-

Art.no. V951L03 (drilled)

Tensile load max.. 1200 N
Operating load up to 800 N

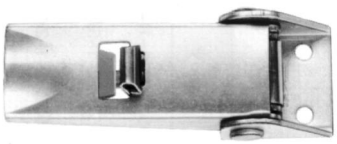


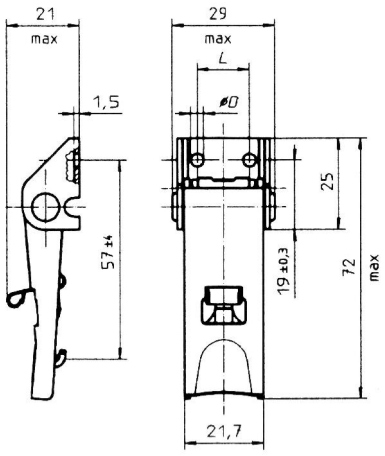


Article no.				Dimensions in mm	
Series	Material			D	L
	Zinc plated	Chromated	Raw		
	Steel	Steel	Stainless steel		
V951L03-1-	1AGV	1AD	1BP	3,6	14,3
V951L03-1-	5AGV	-	5BP	4,2	12,7

Art.no. V951L04 (drilled)

Tensile load max.. 2300 N
Operating load up to 1550 N





Article no.				Dimensions in mm	
Series	Material			D	L
	Zinc plated	Chromated	Raw		
	Steel	Steel	Stainless steel		
V951L04-1X	1AGV	1AD	1BP	3,6	14,3
V951L04-1X	5AGV	-	5BP	4,2	12,7
V951L04-1X	-	-	2BP	without bore	-

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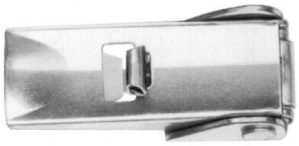
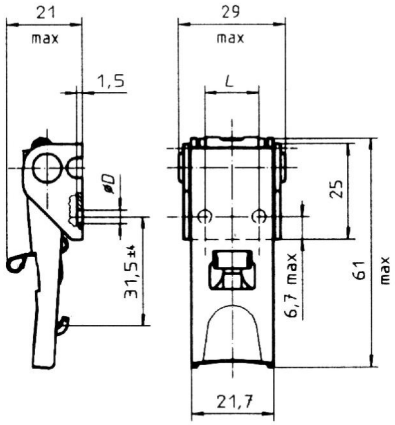
Adjustable latches

Art.no. V951L03 (drilled)

Tensile load max.. 1200 N
Operational load up to 800 N

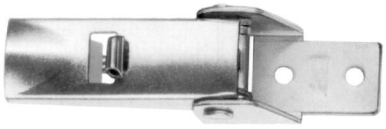


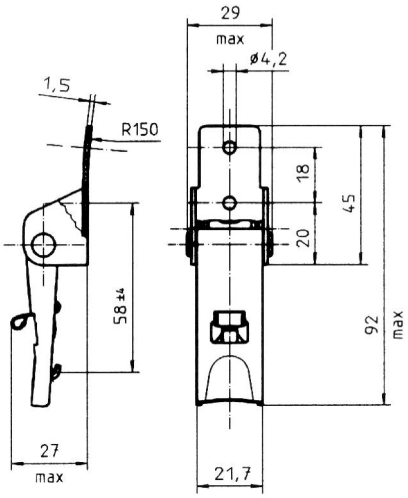


Article no.				Dimensions in mm	
Series	Material			D	L
	Zinc plated	Chromated	Raw		
	Steel	Steel	Stainless steel		
V951L03-1X	-	1AD	1BP	3,6	14,3
V951L03-1X	5AGV	-	5BP	4,2	12,7

Art.no. V951L05 (drilled)

Tensile load max. 2300 N
Operating load up to 1550 N

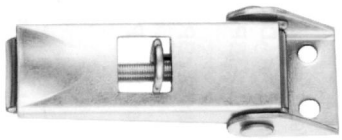


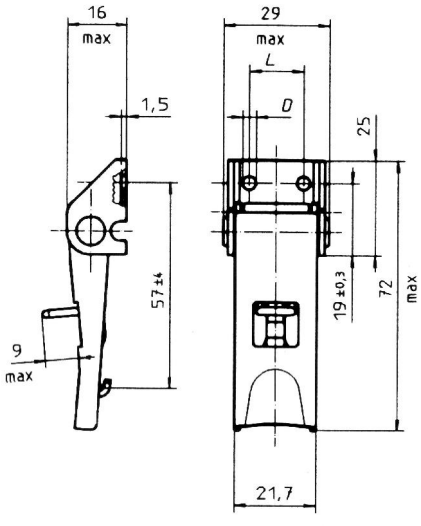


Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V951L05-1X	1AGV	1BP	4,2
V951L05-1X	-	5BP	5,1

Art.no. V951L01 (drilled)

Tensile load max.. 2300 N
Operating load up to 1550 N





Article no.		Dimensions in mm
Series	Material	D
	Zinc plated	
	Steel	
V951L01-1Y	5AGV	4,2
V951L01-1Y	2AGV	without bore

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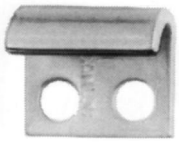
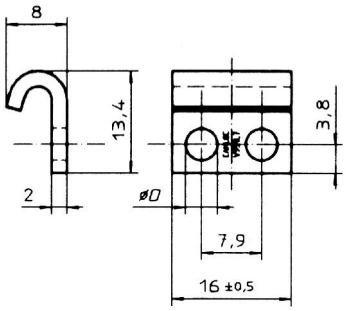
Adjustable latches

Suitable strike of Series V951L



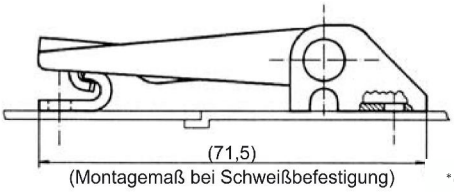
	Zinc plated Chromated	Stainless steel
Tensile load max.	2300 N	1500 N
Operating load	1550 N	1000 N

Article no.				Dimensions in mm
Series	Material			D
	Zinc plated	Chromated	Raw	
	Steel	Steel	Stainless steel	
V951L7-	1AGV	1AD	1BP	3,6
V951L7-	5AGV	-	5BP	4,2
V951L7-	2AZ	-	2BP	without bore



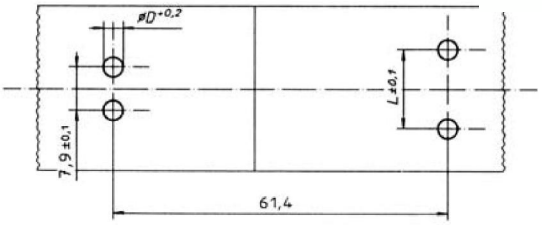
Open-base tension latch/ open strike

V951L02-
V951L04-
V951L01-



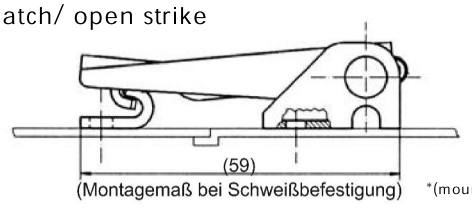
*(mounting dimension on weld attachement)

V951L7-



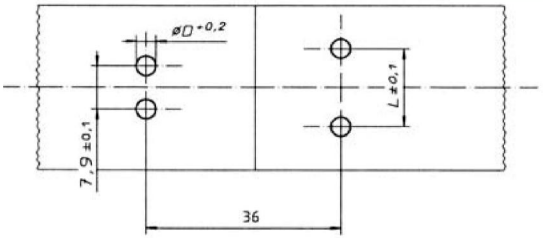
Concealed base tension latch/ open strike

V951L03-



*(mounting dimension on weld attachement)

V951L7-



Select diameter D and distance L in accordance with the strike and tension latch.

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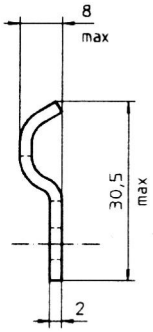
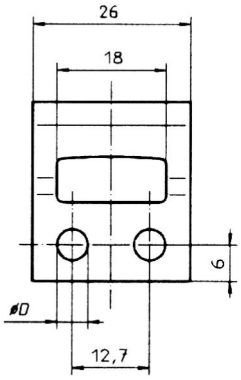
Adjustable latches

Suitable strike of Series V951L

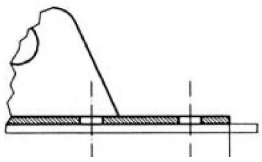
	Zinc plated	Stainless steel
Tensile load max.	2000 N	1500 N
Operating load	1300 N	1000 N

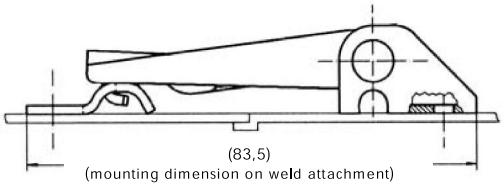




Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V951L50-	-	2BP	3,6
V951L50-	1AGV	1BP	4,2
V951L50-	-	3BP	without bore

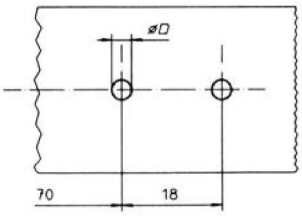
Open-base tension latch/ closed strike

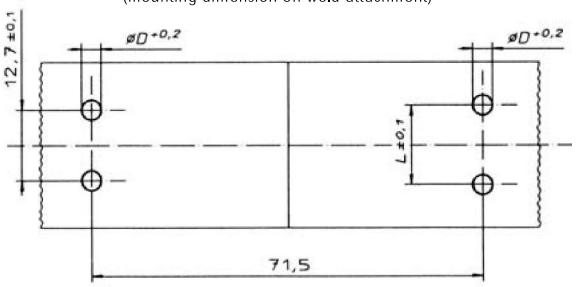




V951L02-
V951L04-
V951L01-

V951L05-

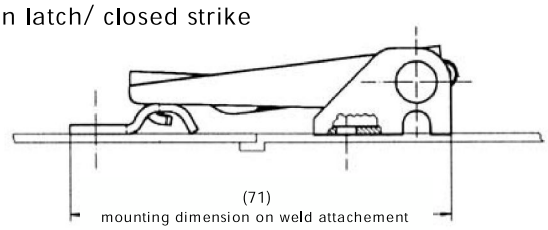




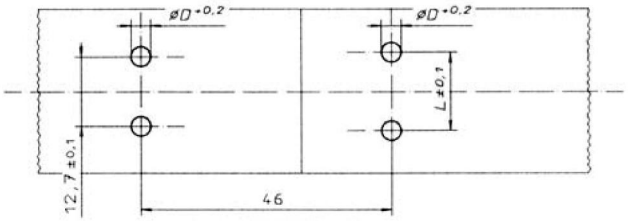
V951L50-

Concealed-base tension latch/ closed strike

V951L03-



V951L50-



Select diameter D and distance L in accordance with the strike and tension latch.

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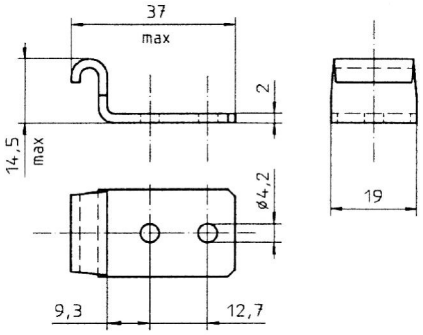
Adjustable latches

Suitable strike of Series V951L

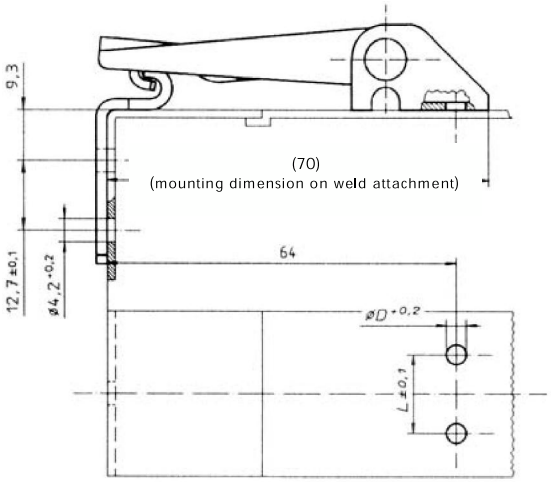
	Zinc plated	Stainless steel
Tensile load max..	2300 N	1500 N
Operating load	1550 N	1000 N



Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V951L52-	1AGV	1BP	4,2

Open-base tension latch/ corner- mounting strike

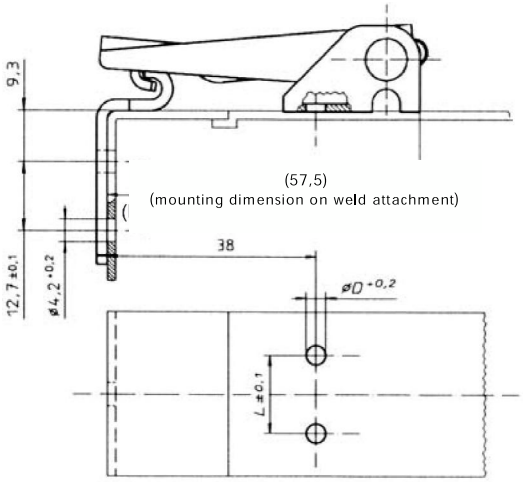
V951L02-
V951L04-
V951L01-



V951L52-

Concealed-base tension latch/ corner- mounting strike

V951L03-



V951L52-

Select diameter D and distance L in accordance with the strike and tension latch.

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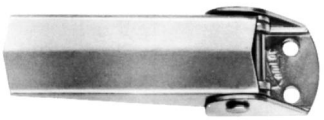
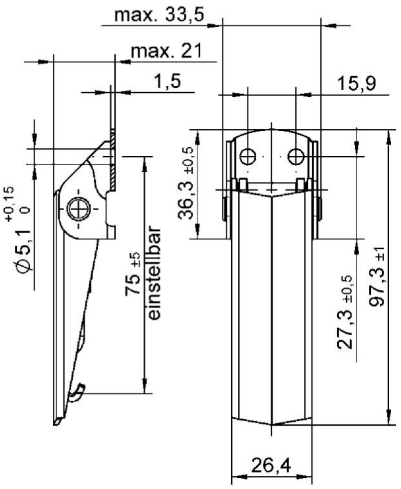
Adjustable latches

Art.no. V917L01 (drilled)



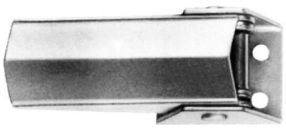
Tensile load max.. 3600 N
Operating load up to 2700 N

Open base



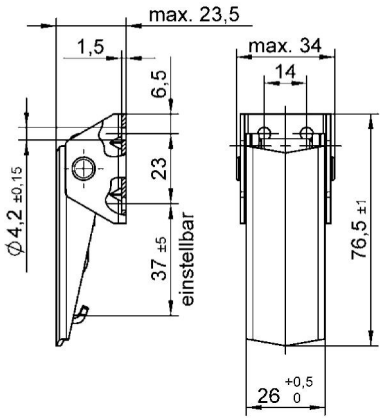
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
V917L01-1-	1AG	1BP

Art.no. V17L12 (drilled)



Tensile load max.. 3200 N
Operating load up to 2200 N

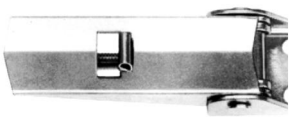
High base



Article no.	
Series	Material
	Zinc plated
	Steel
V17L12-1-	1AA

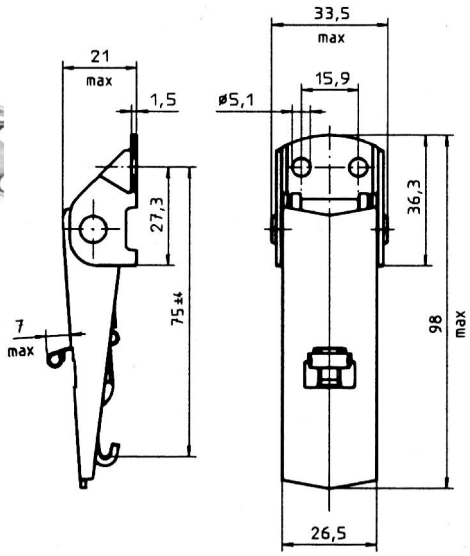
Art.no. V917L01 (drilled)

with protection



Tensile load max.. 3600 N
Operating load up to 2700 N

and open base



Article no.				Dimensions in mm
Series	Material			D
	Zinc plated	Raw	V4A	
	Steel	Stainless steel	Stainless steel	
V917L01-1X	1AG	1BP	1CP	5,1
V917L01-1X	-	2BP	2CP	without bore

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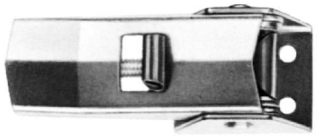
Adjustable latches

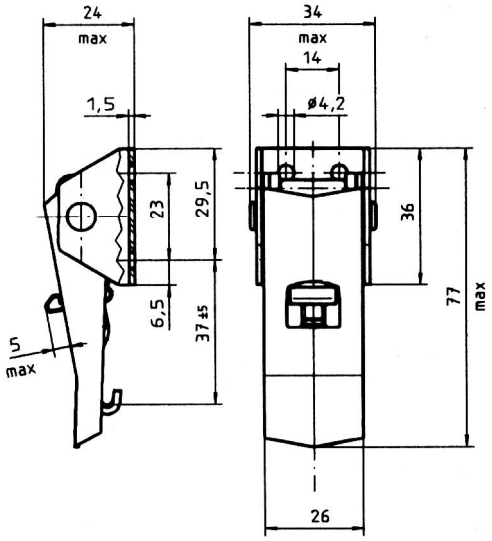
Art.no. V17L12 (drilled)

with protection

Tensile load max.. 3200 N
Operating load up to 2200 N

High base





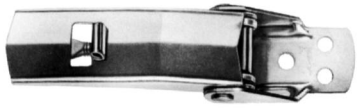
Article no.	
Series	Material
	Zinc plated
	Stainless steel
V17L12-2X	1AA

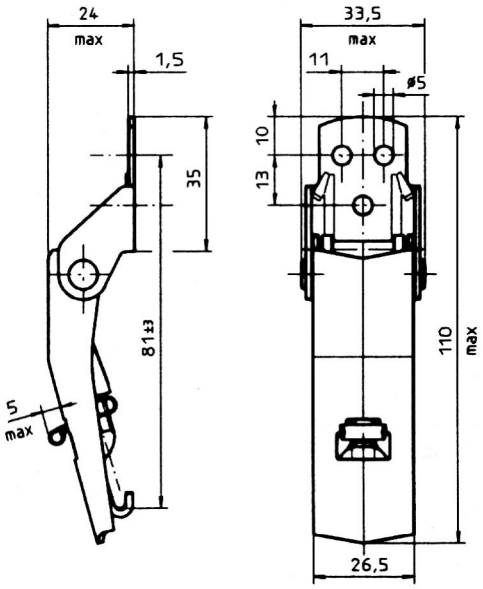
Art.no. 1449L02 (drilled)

with protection

Tensile load max.. 3600 N
Operating load up to 2700 N

for curved surfaces (R min= 125 mm)





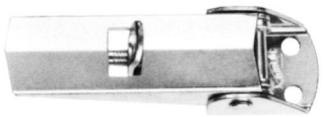
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1449L02-1X	1AG	1BP

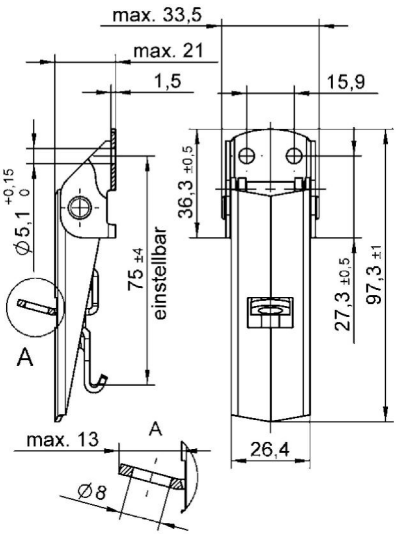
Art.no. V917L01 (drilled)

with hasp

Tensile load max.. 3200 N
Operating load up to 2200 N

Open base





Article no.	
Series	Material
	Zinc plated
	Steel
V917L01-1Y	1AG

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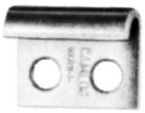
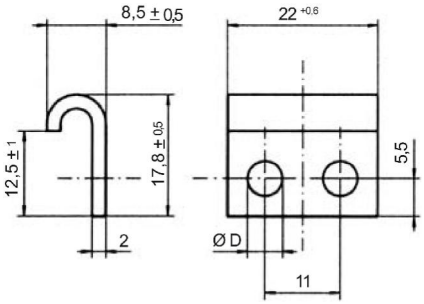
Adjustable latches

Suitable strike of Series V917L01 V17L12

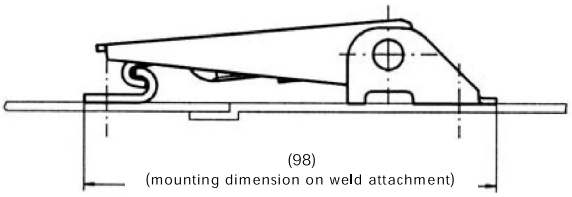




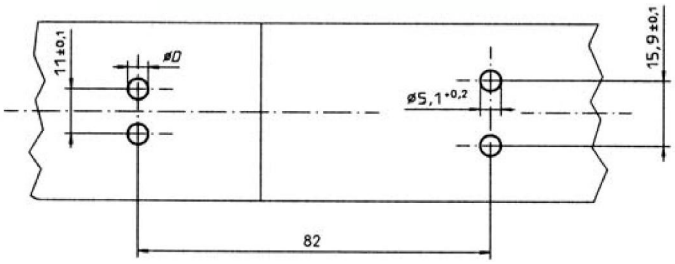
Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V917L11-1-	3AG	-	4,2
V917L11-1-	1AG	1BP	5,1

Open-base tension latch/ open strike

V917L01-

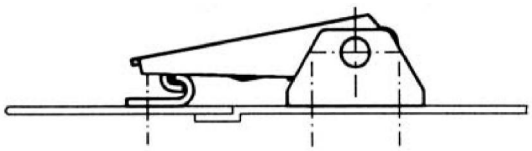


V917L11-

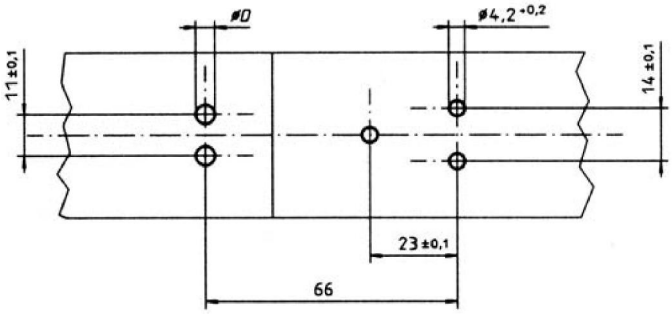


High-base tension latch/ open strike

V17L12-



V917L11-



Select diameter D and distance L in accordance with the strike and tension latch.

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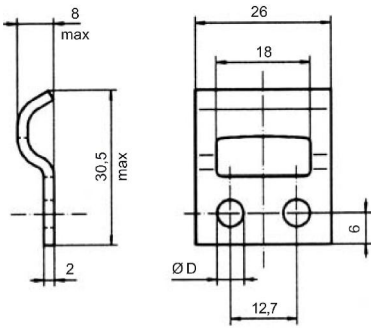
Adjustable latches

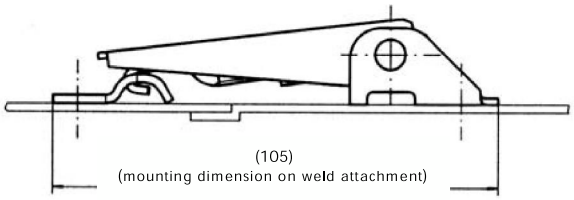
Suitable strike of series V917L01
1449L02



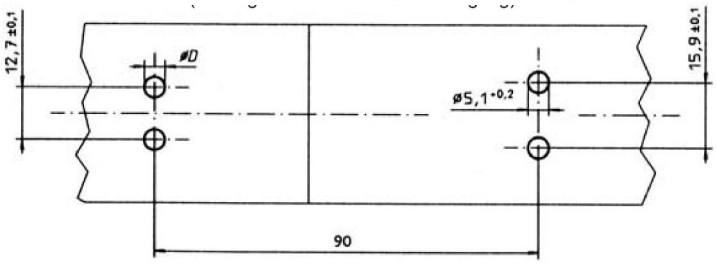
Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V951L50-	1AGV	1BP	4,2
V951L50-	5AGV	-	5,1
V951L50-	-	3BP	without bore

Open-base tension latch/ closed strike

V917L01-

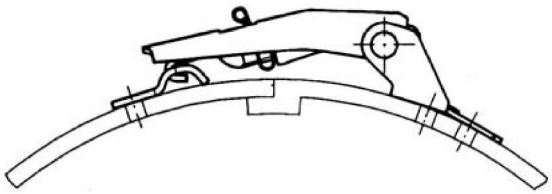


V951L50-

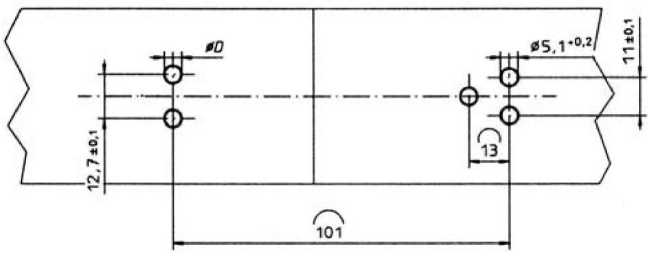


High-base tension latch/ closed strike

1449L02-



V951L50-



Select diameter D and distance L in accordance with the strike and tension latch.

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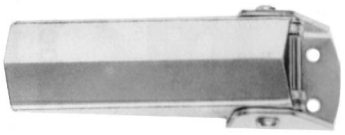
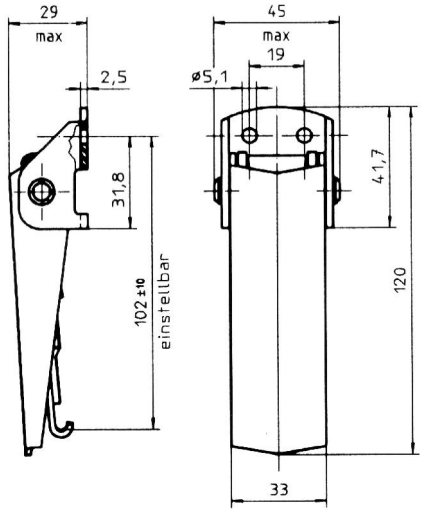
Adjustable latches

Art.no. V18L01 (drilled)

Tensile load max. 6000 N
Operating load up to 4200 N

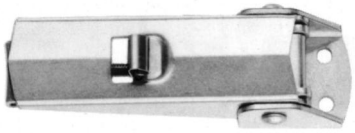


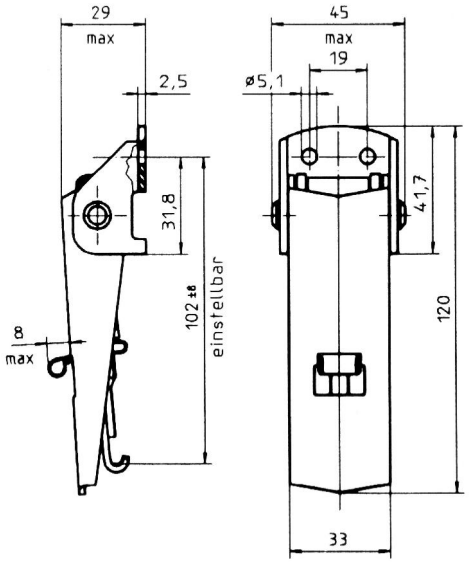


Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V18L01-1-	1AA	1BF	5,1
V18L01-1-	-	2BF	without bore

Art.no. V18L01 (drilled)
with secondary lock

Tensile load max.. 6000 N
Operating load up to 4200 N

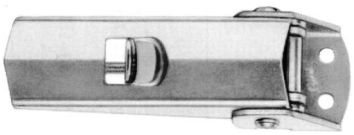


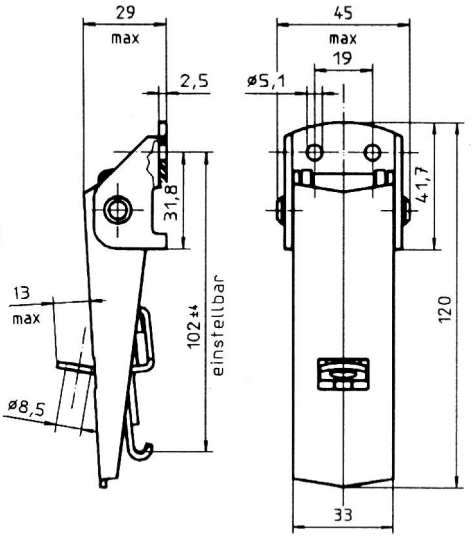


Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V18L01-1X	1AA	1BF	5,1
V18L01-1X	-	2BF	without bore

Art.no. V18L01 (drilled)
with hasp

Tensile load max.. 6000 N
Operating load up to 4200 N





Article no.	
Series	Material
	Zinc plated
	Steel
V18L01-1Y	1AA

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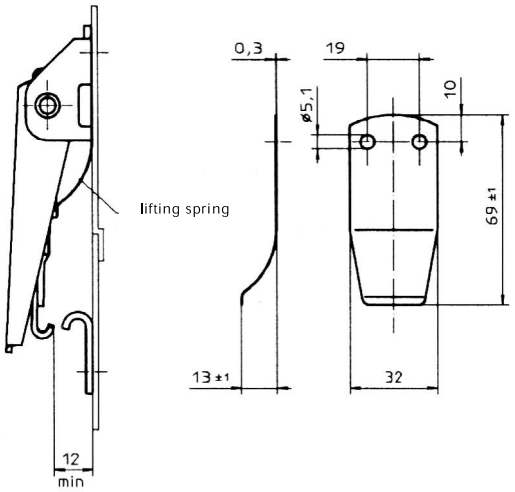
Adjustable latches

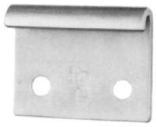
Accessories

Art.no.V18L45

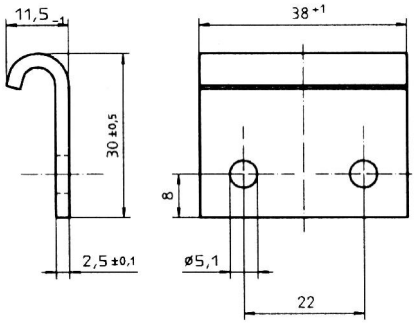


Article no.	
Series	Material
	Raw
	Stainless steel
V18L45-	1BP

Suitable strike of Series V18L01



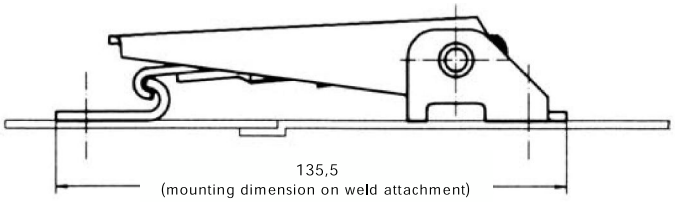
	Zinc plated	Stainless steel
Tensile load max.	6000 N	4600 N
Operating load	4200 N	3100 N



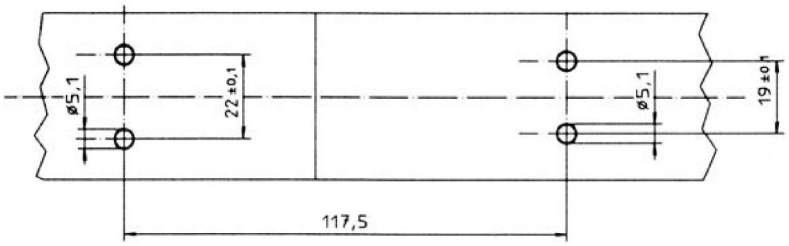
Article no.			Dimensions in mm
Series	Material		D
	Zinc plated	Raw	
	Steel	Stainless steel	
V18L13-1-	1AA	1BF	5,1
V18L13-1-	-	2BF	without bore

Tension latch/ open strike

V18L01-



V18L13-



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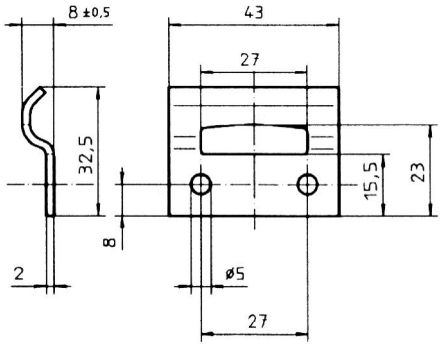
Adjustable latches

Suitable strike of Series V18L01

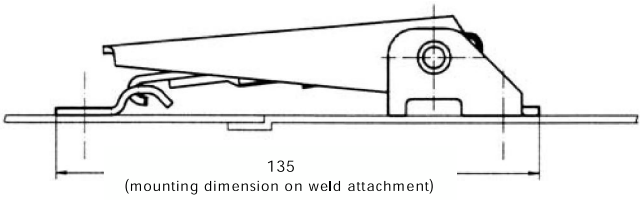
Tensile load max.. 4600 N
Operating load 3100 N



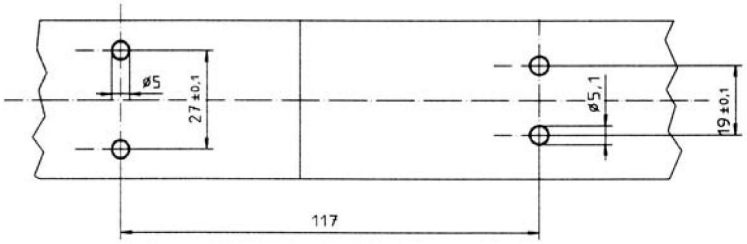
Article no.		
Series	Material	
	Raw	
	Stainless steel	
1449L07-	1BP	

Tension latch/ closed strike

V18L01-

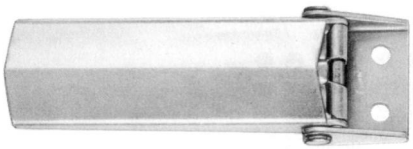


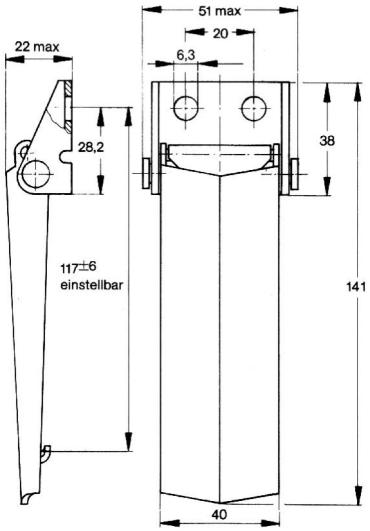
1449L07-



Art.no. V46L38 (drilled)

Tensile load max.. 4400 N
Operating load up to 3000 N

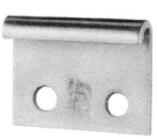


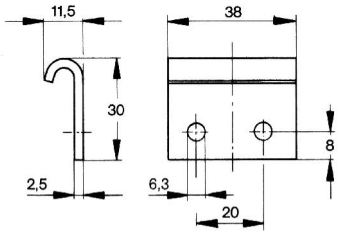


Article no.		Dimensions in mm
Series	Material	D
	Zinc plated yellow	
	Steel	
V46L38-1-	6AA	6,3
V46L38-1-	1AA	without bore

Suitable strike of Series V46L38

Article no.	
Series	Material
	Zinc plated yellow
	Steel
V18L13-1-	1AC





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Latches with sheet metal bracket

Art.: 1020

Art.: 1026

Art.: 2005

Art.: 2006

Art.: 2030

Art.: 2031

Art.:6606

Art.: 1036

Art.: 6208

Art.: 6236

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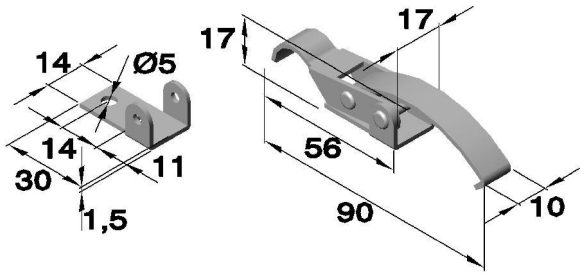
Latches
with sheet metal bracket

Art. no.: 1020 (drilled)

Permitted tractive force: 500N
Breaking strength: 900N

Suitable clamps: see chapter „B"

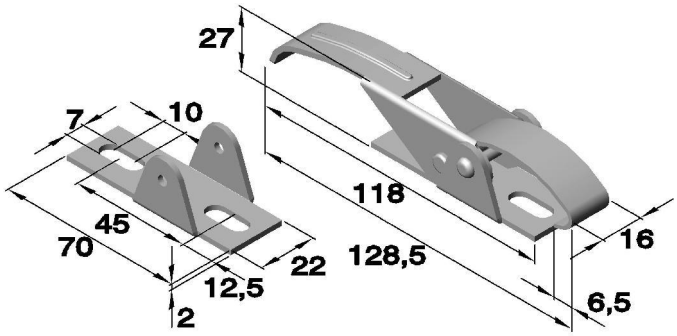


Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1020	.00/6	.01/6	.04/6	.30/6

Art. no.: 1026 (drilled)

Permitted tractive force: 750 N
Breaking strength: 1500 N

Suitable clamps: see chapter „B"

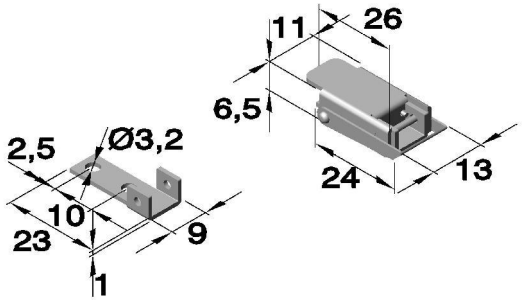


Article no.	
Series	Material
	Zinc plated
	Steel
1026	.04/6

Art. no.: 1036 (drilled, with spring)

Permitted tractive force: 150 N
Breaking strength: 300 N

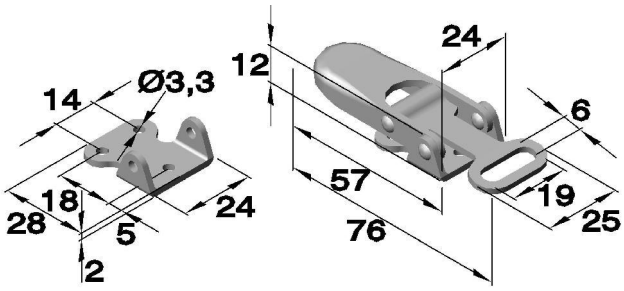
Suitable clamps: see chapter „B"
Art. no.: 1036._ _/5



Article no.	
Series	Material
	Zinc plated
	Steel
1036	.04/6

Art. no.: 2005 (drilled)

Suitable clamps: see chapter „B"



Article no.		
Series	Material	
	Raw	Zinc plated
	Steel	Steel
2005	.00	.04

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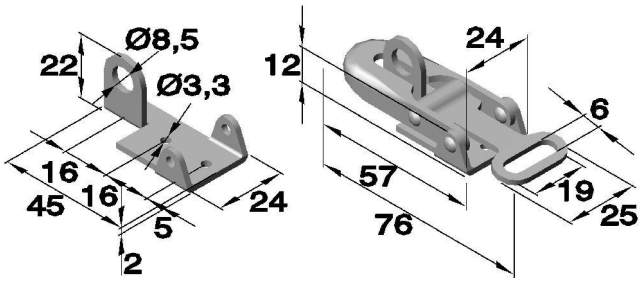
Latches
with sheet metal bracket

Art. no.: 2006 (drilled)

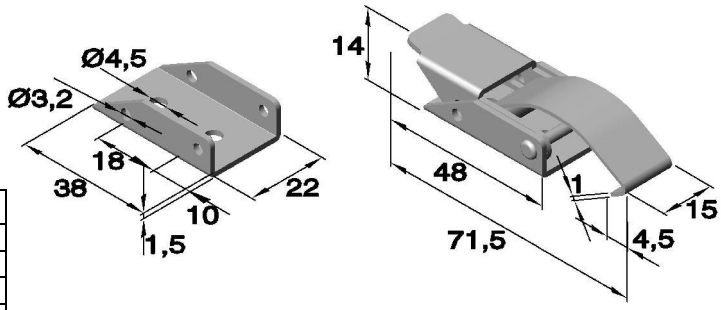
Suitable clamps: see chapter „B"



Article no.		
Series	Material	
	Raw	Zinc plated
	Steel	Steel
2006	.00	.04

Art. no.: 2030 (drilled)

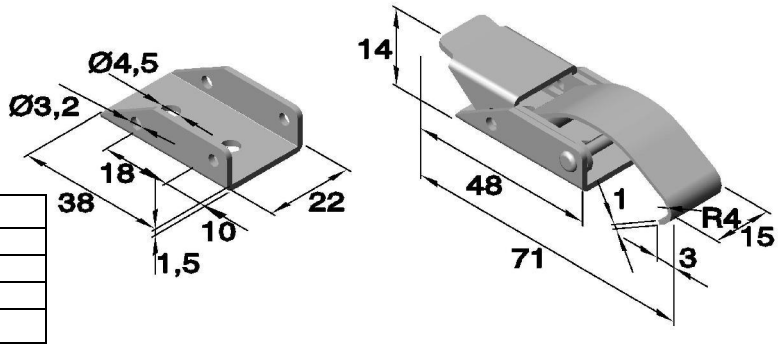
Suitable clamps: see chapter „B"



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
2030	.04	.30

Art. no.: 2031 (drilled)

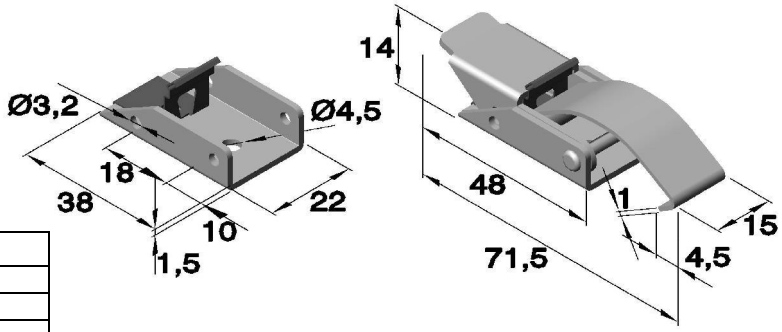
Suitable clamps: see chapter „B"



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
2031	.04	.30

Art. no.: 2035/1 (drilled)
with safety spring

Suitable clamps: see chapter „B"



Article no.	
Series	Material
	Raw
	Stainless steel
2035/1	.30

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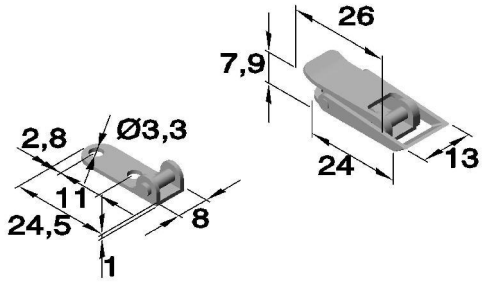
Latches
with sheet metal bracket

Art. no.: 6208.02 (drilled)
with spring clamp

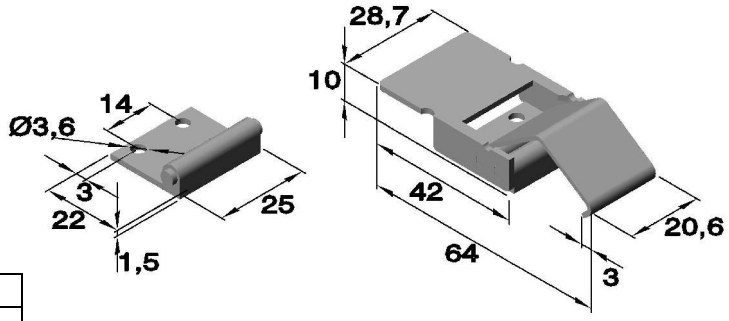
Suitable clamps: see chapter „B"
Art. no.: 6379.01.30



Article no.	
Series	Material
	Raw
	Stainless steel
6208	.02.30

Art. no.: 6236 (drilled)

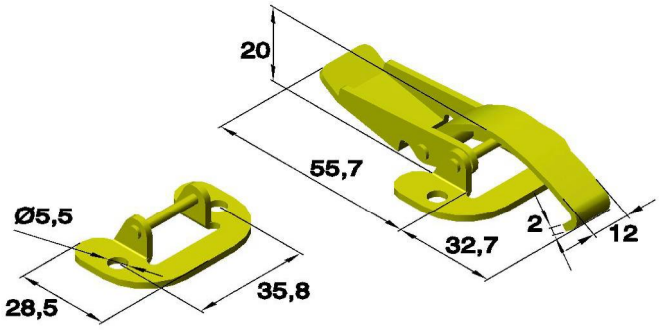
Suitable clamps: see chapter „B"



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6236	.01.04	.02.30

Art.no. 6606(drilled)

Suitable clamps: see chapter „B"



Article no.	
Series	Material
	Zinc plated
	Yellow chromated
6606	.08

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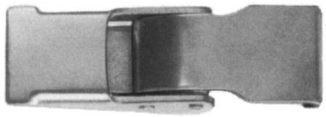
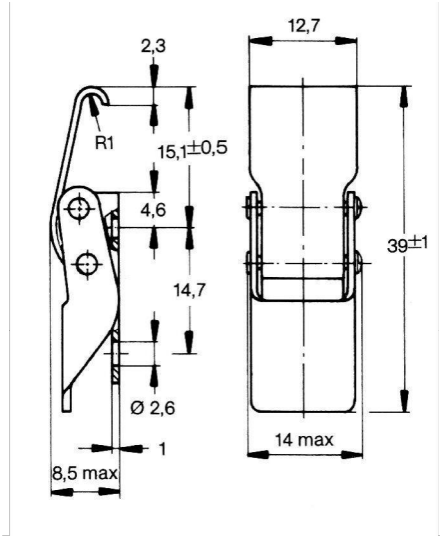
Latches
with sheet metal bracket

Art.no. V934L (drilled)

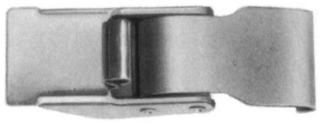


Tensile load max. 550 N
Operating load 310 N

Article no.		
Series	Material	
	Raw	Zinc plated
	Stainless Steel	Steel
V934L01-1-1	BP	AGV

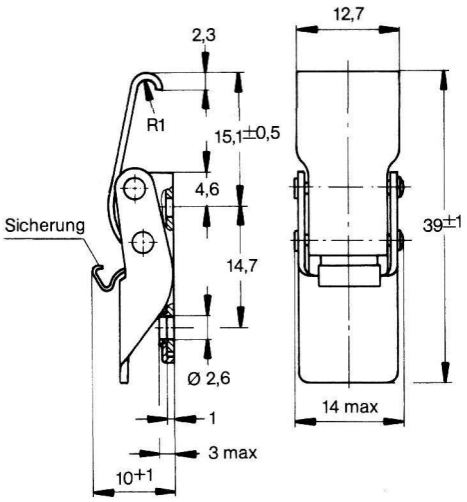


Art.no. V934L (drilled)



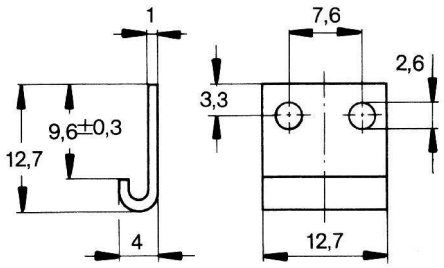
Tensile load max. 550 N
Operating load 310 N

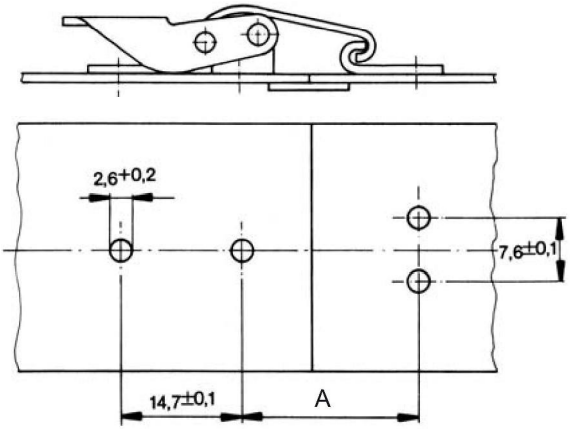
Article no.		
Series	Material	
	Raw	Zinc plated
	Stainless Steel	Steel
V934L01-1X-1	BP	AGV



Suitable clamps

Article no.		
Series	Material	
	Raw	Zinc plated
	Stainless Steel	Steel
V934L02-1	BP	AGV





A = min. 23,7mm; Observed tolerance compensation/ preload when you install.

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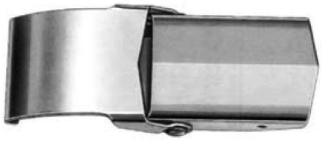
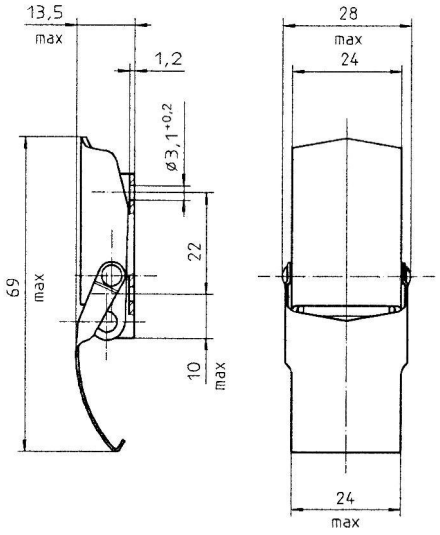
Latches
with sheet metal bracket

Art.no. 1429L (drilled)

Clamps	1AG	1BP
Tensile load max.	450 N	300 N
Operating load	330 N	210 N

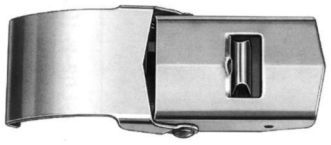


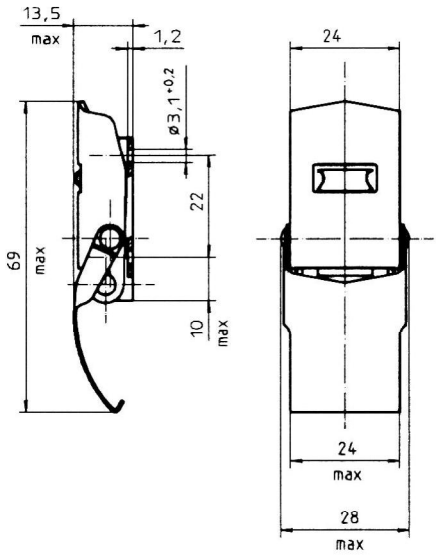


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless Steel
1429L02-1-1	AG	BP

Art.Nr. 1429L (drilled)

Clamps	1AG	1BP
Tensile load max.	450 N	300 N
Operating load	330 N	210 N

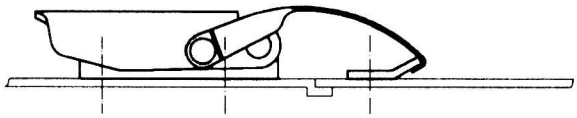


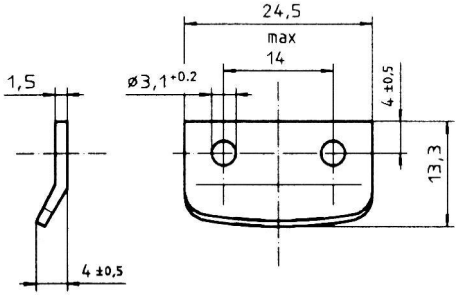


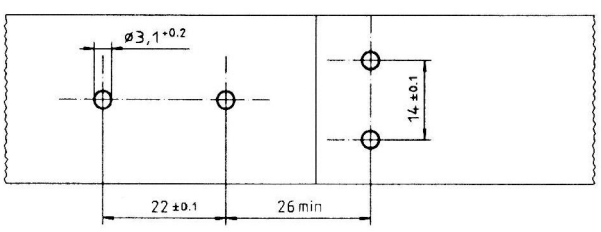
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless Steel
1429L02-1X-1	AG	BP

Suitable clamps

Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1429L8-1	AG	BP







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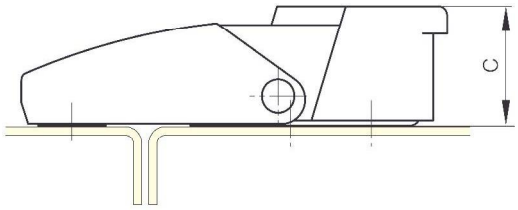
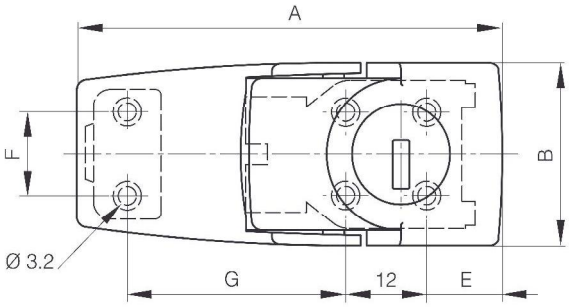
Latches
with sheet metal bracket

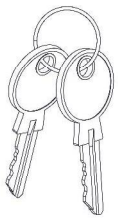
Art.no.:6344

Strike plate included.

Article no.				Dimension in mm					
Series	Model	Material: Black coated / Zamak		A	B	C	E	F	G
6344	.01	.50	with lock	64,5	26,5	17,3	13	12	30
6344	.02	.50	without lock	64,5	26,5	17,3	13	12	30
6344	.03	.50	with lock	76	32	21	16,8	16	35,5
6344	.04	.50	without lock	76	32	21	16,8	16	35,5



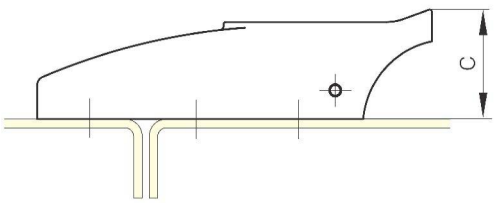


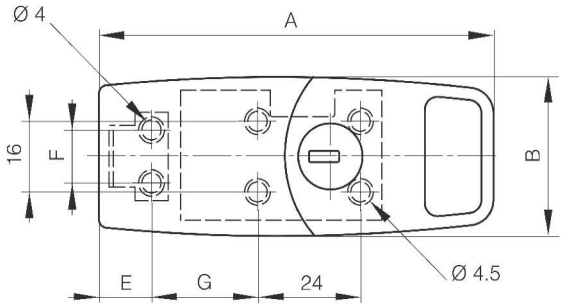


Art.no.:6332

Strike plate included.

Article no.		Dimension in mm					
Series	Material: Black coated / Zamak	A	B	C	E	F	G
6332	.50	92	36	25	12	12	28-32



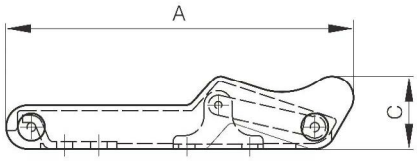


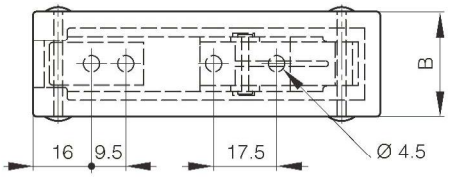
Latches
with sheet metal bracket

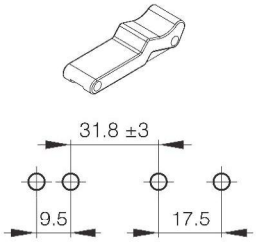
Art.no.:6345

Strike plate included.

Article no.			Dimension in mm		
Series	Type	Material Black Elastomer (Rubber)	A	B	C
6345	.01	.80	96,5	29	20



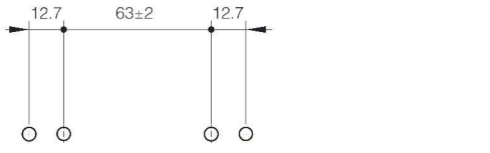


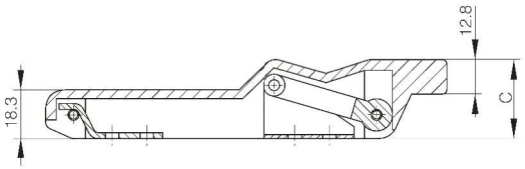


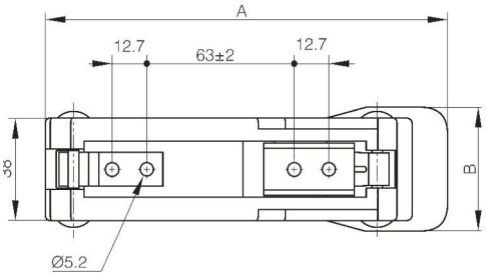
Art.no.:6345

Strike plate included.

Article no.			Dimension in mm		
Series	Type	Material Black Elastomer (Rubber)	A	B	C
6345	.02	.80	151	45,7	29,5







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Heavy latches

Art.:2001

Art.:2003

Art.:2004

Art.:3125

Art.:3320

Art.:3520

Art.:3157

Art.: 6266

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Heavy latches

Art.:3390

Art.:3475

Art.:3470-90°

Art.:3471-90°

Art.:3472-90°

Art.:3480-90°

Art.:99.V18L01-Z-1BP

Art.:99.3475.30-V2

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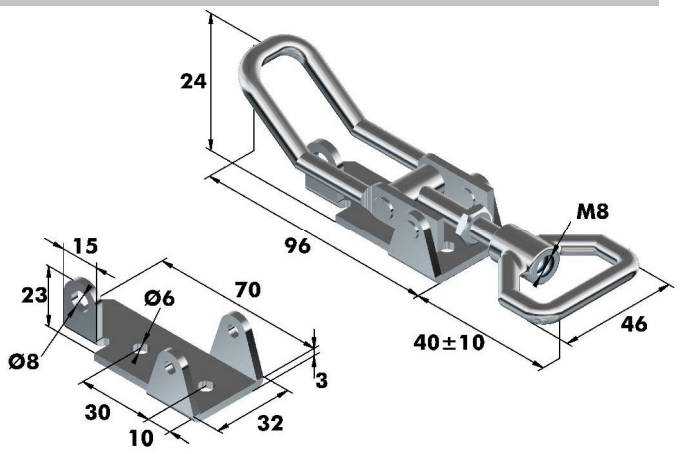
Heavy latches

Art. no.: 2001 (perforated)

with secondary loop lock
adjustable

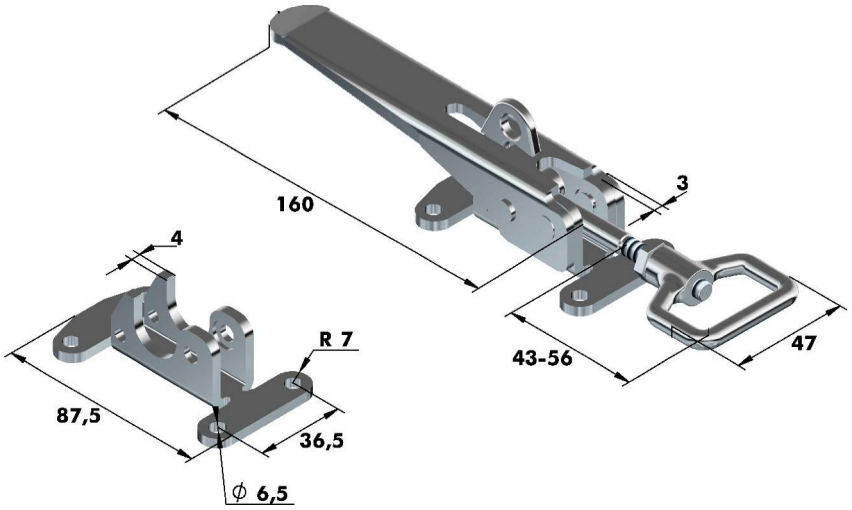
Article no.	
Series	Material
	Zinc plated
	Steel
2001	.04



Art. no.: 2003 (perforated)

with spring protection
adjustable

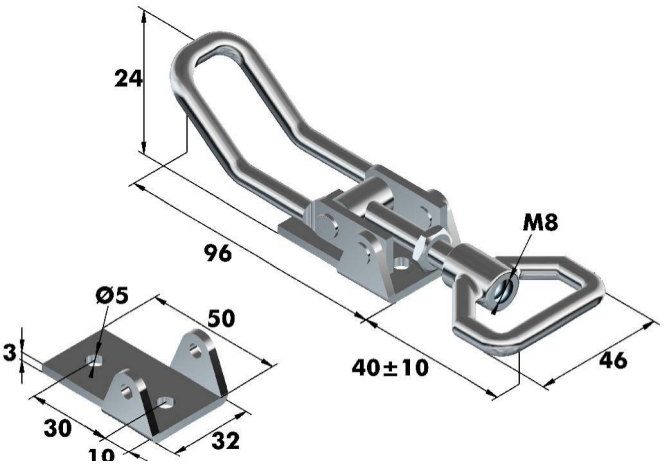
Article no.	
Series	Material
	Zinc plated
	Steel
2003	.04



Art.Nr. 2004 (perforated)

adjustable

Article no.	
Series	Material
	Zinc plated
	Steel
2004	.04

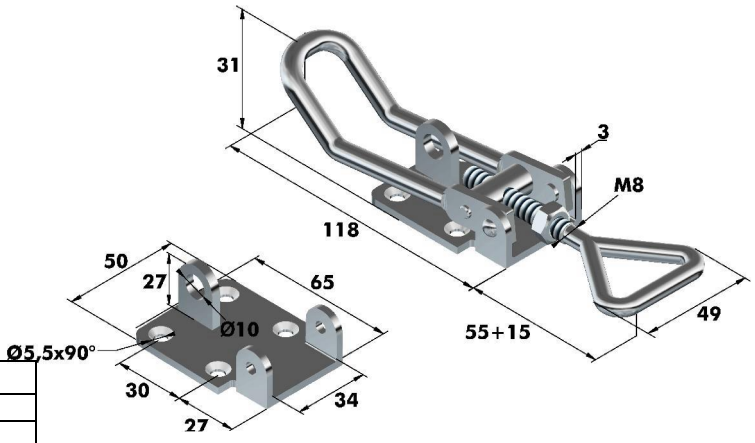


Heavy latches

Art. no.: 3125 (perforated and countersunk)

with secondary loop lock
adjustable

Maximum load: ca. 5000 N

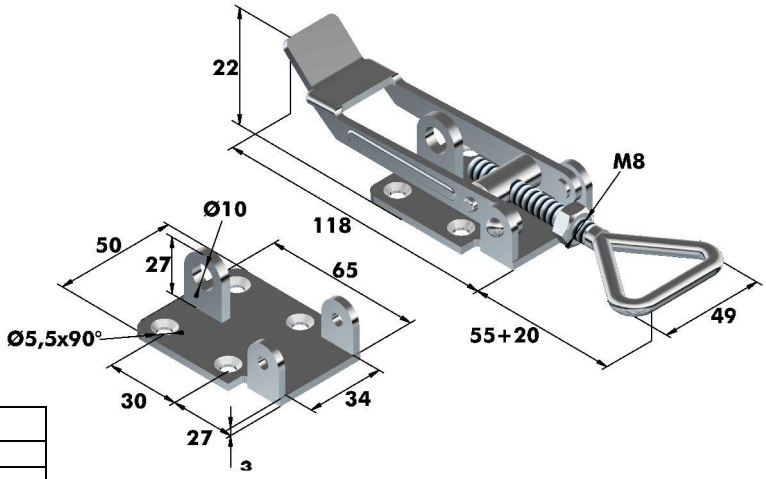


Article no.	
Series	Material
	Zinc plated
	Steel
3125	.04

Art. no.: 3320 (perforated and countersunk)

with secondary loop lock
adjustable

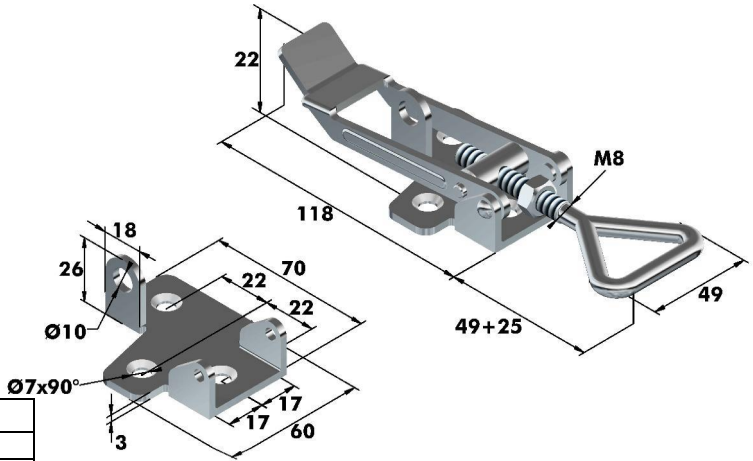
Maximum load: ca. 5000 N



Article no.		
Series	Material	
	Zinc plated	Polished
	Steel	Stainless steel
3320	.04	.33

Art. no.: 3520 (perforated and countersunk)

with secondary loop lock
adjustable
Maximum load: ca. 5000 N



Article no.		
Series	Material	
	Zinc plated	Polished
	Steel	Stainless steel
3520	.04	.33

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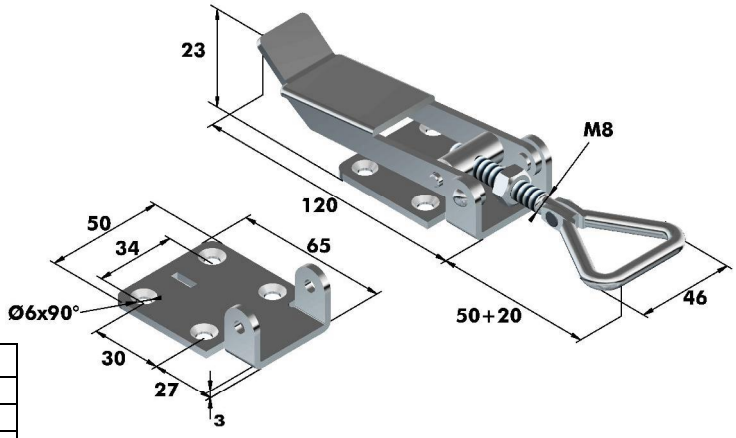
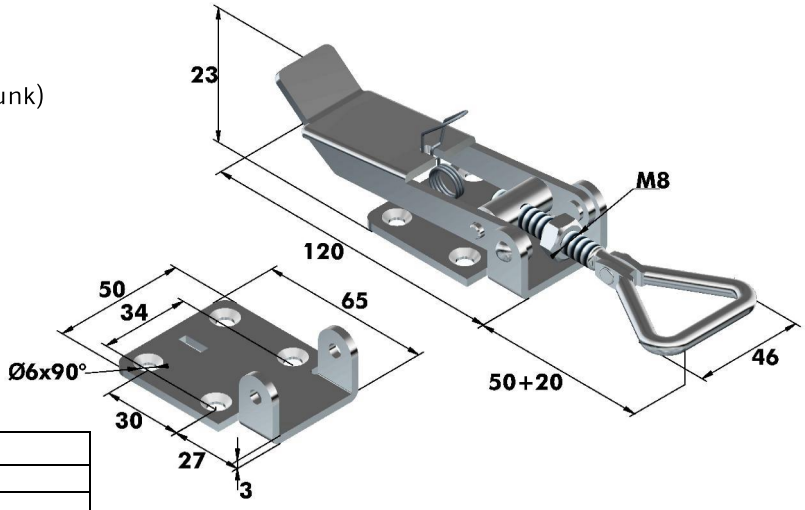
Heavy latches

Art. no.: 3390 (perforated and countersunk)
adjustable



Article no.	
Series	Material
	Raw
	Stainless steel
3390	.30

Art. no.: 3475 (perforated and countersunk)
with spring protection
adjustable

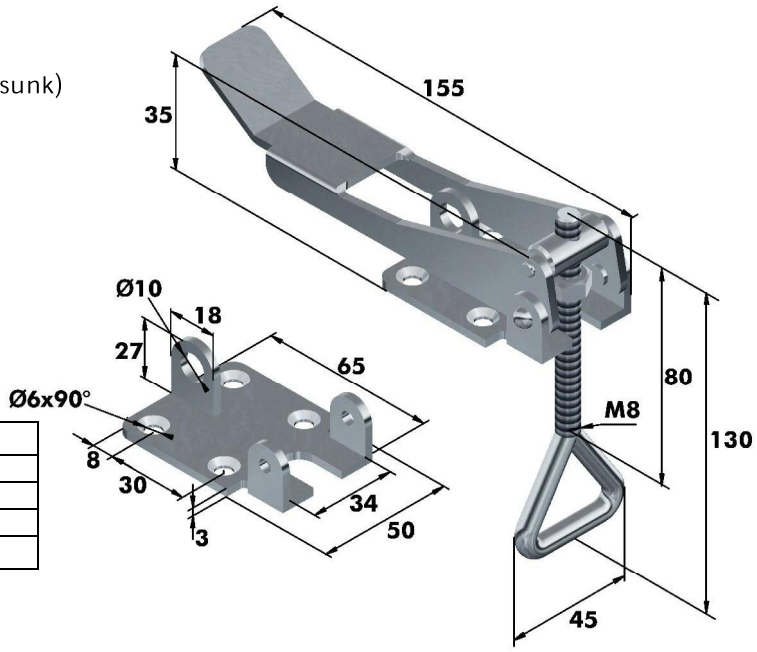


Article no.	
Series	Material
	Raw
	Stainless steel
3475	.30

Heavy latches

Art. no.: 3470-90° (perforated and countersunk)

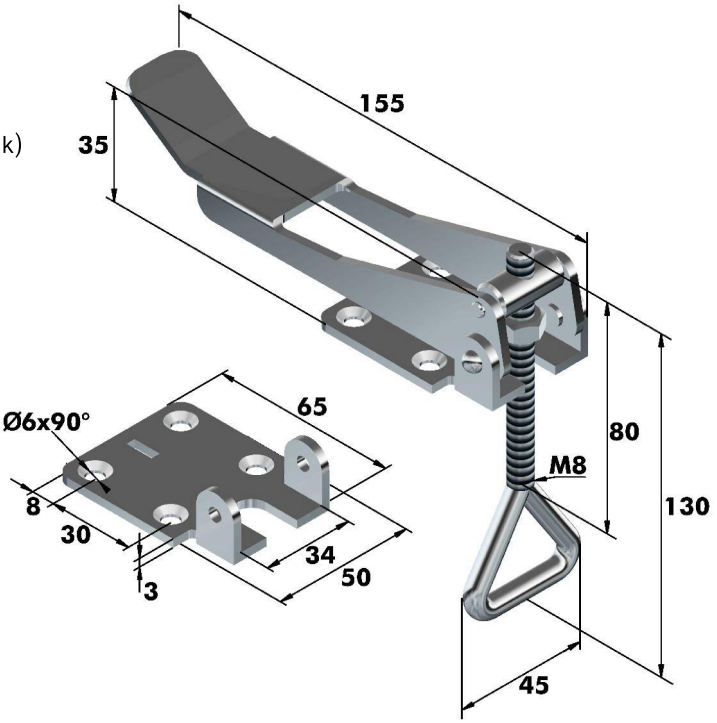
with secondary loop lock
adjustable



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3470	.04	.30

Art. no.: 3471-90° (perforated and countersunk)

adjustable



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3471	.04	.30

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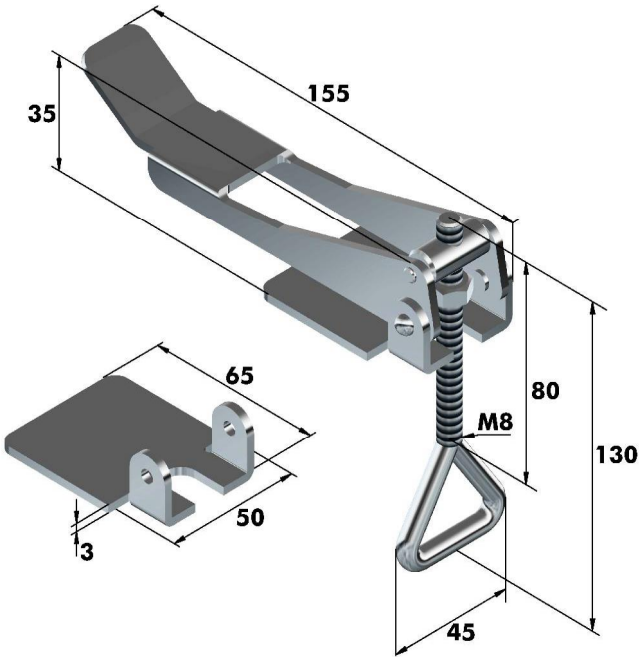
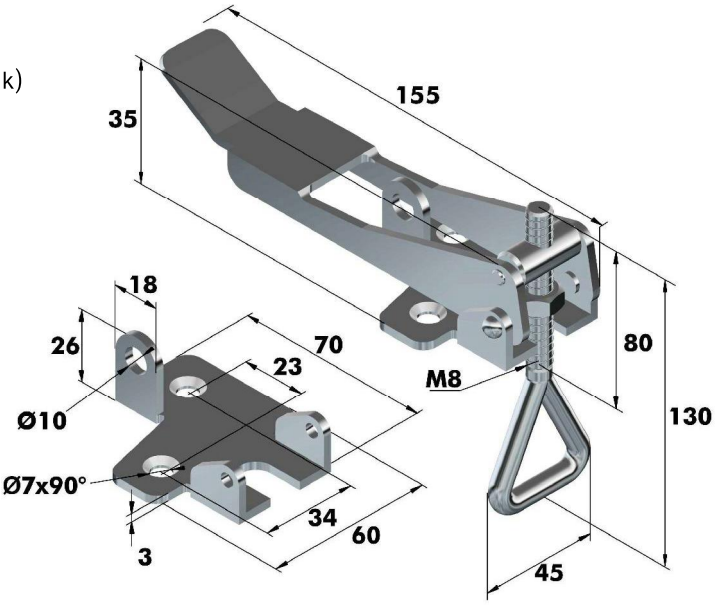
Heavy latches

Art. no.: 3472-90°
adjustable



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3472	.04	.30

Art. no.: 3480-90° (perforated and countersunk)
with secondary loop lock
adjustable



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3480	.04	.30

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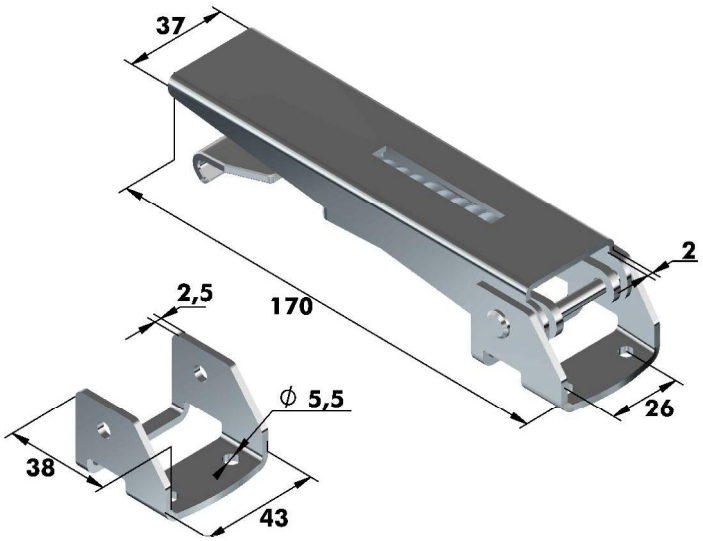
Heavy latches

Art.no. 99.V18L01-Z-1BP (perforated)

with adjustable hook
and adjustable spring force

Figure shows an example

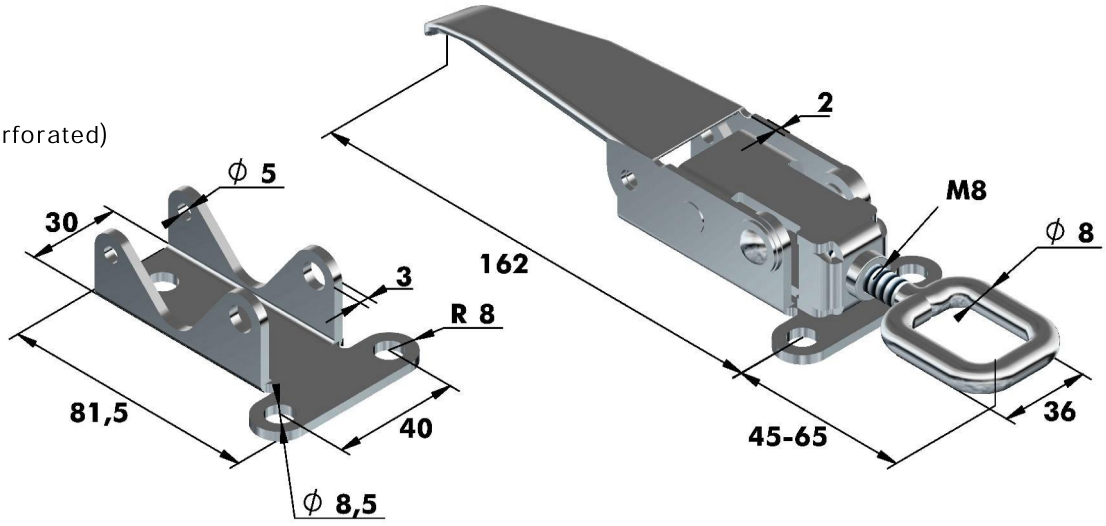
Possible design on request.



Article no.	
Series	Material
	Raw
	Stainless steel
99.V18L01-Z-1BP	.30

Art.no. 3157 (perforated)

adjustable



Article no.	
Series	Material
	Zinc plated
	Steel
3157	.04

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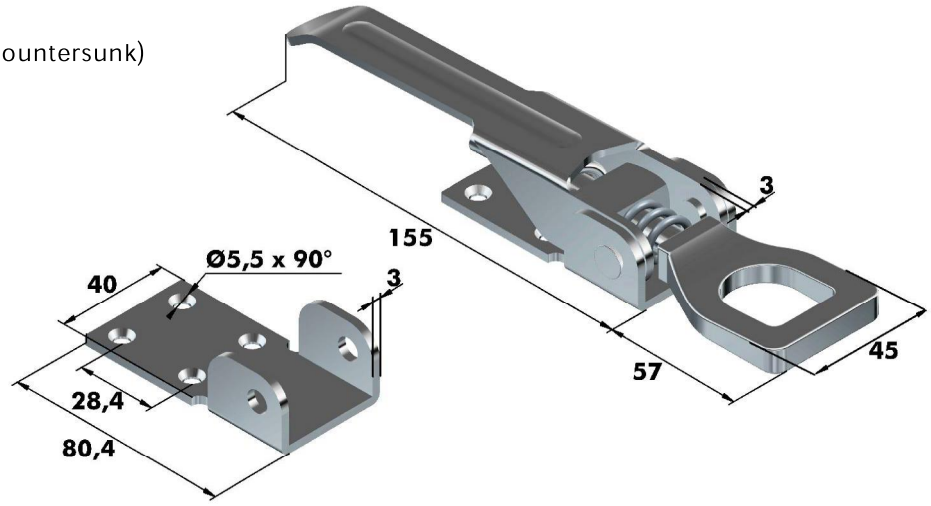
Homepage: www.hokon-verschlusstechnik.de

Heavy latches

Art.no.6266 (perforated and countersunk)

adjustable
with spring

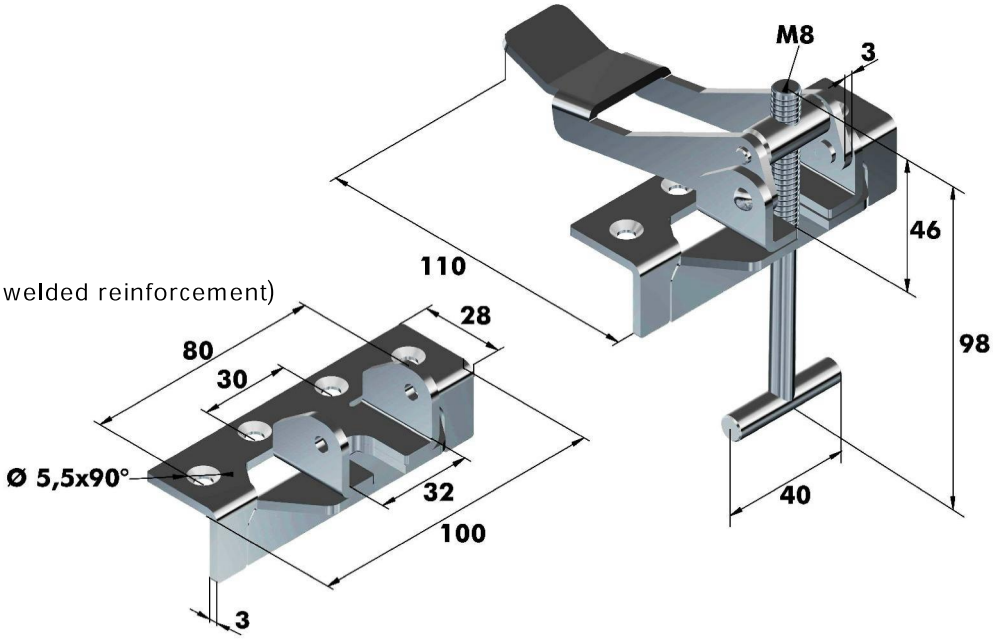


Article no.	
Series	Material
	Zinc plated
	Steel
6266	.04

Art.no. 99.3475-90°

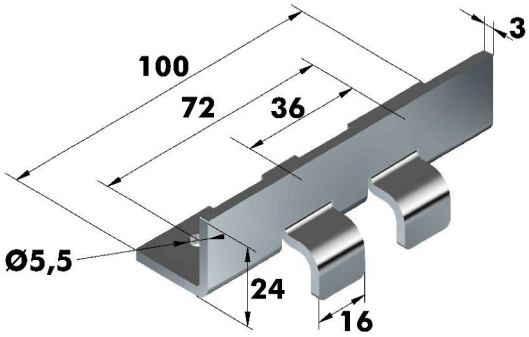
(perforated, countersunk with welded reinforcement)
adjustable
with suitable strike

for heavy loads



Article no.	
Series	Material
	Raw
	Stainless steel
99.3475	.30

Strike:



Heavy latches

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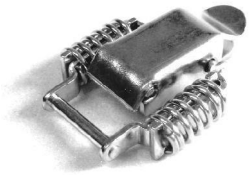
Spring latches



Art.: 1034

Art.: 6602

Art.: 6243

Art.: 1036

Art.: 6208

Art.: 3020

Art.: 6200

Art.: 6201

Art.: 6203

Art.:95L

Art.:V96L

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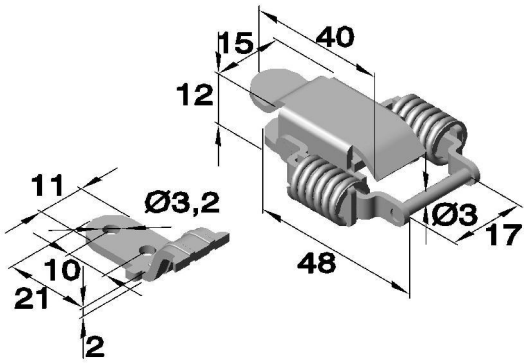
Spring latches

Art. no.: 1034 (drilled)

with spring brackets

Permitted tractive force: 500 N
Breaking strength: 1500 N

Suitable strikes: see chapter „B"
Art. no.: 1034._ _/5

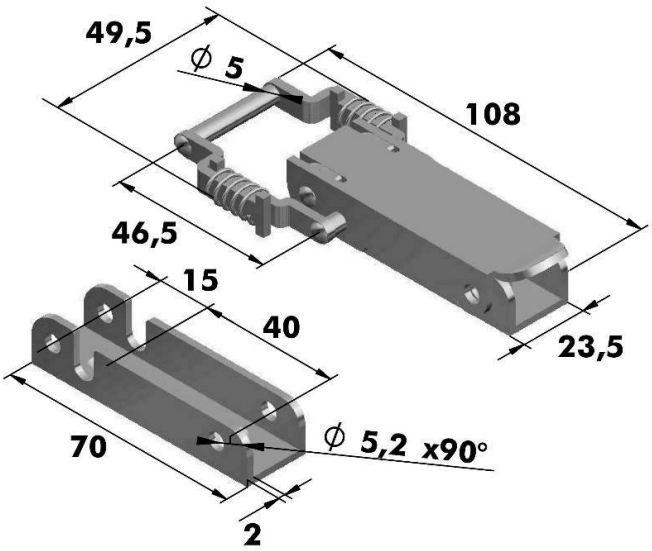


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1034	.04/6	.30/6

Art.no. 6243 (perforated)

with spring brackets and secondary loop lock

Suitable strikes: see chapter „B"
Art.no. 6373.02.04
Art.no. 6377.01.04

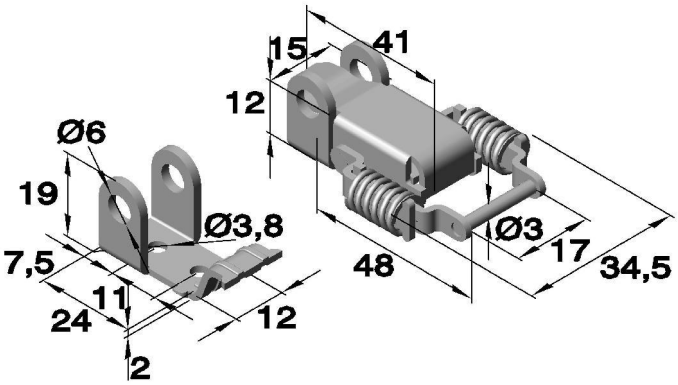


Article no.		
Series	Material	
	Raw	Zinc plated
	Steel	Steel
6243.01	.00	-
6243.02	-	.04

Art.no. 6255 (perforated)

with spring brackets and secondary loop lock

Suitable strikes: see chapter „B"
Art.no. 6605.__



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6255	.03.04/6	.04.30/6

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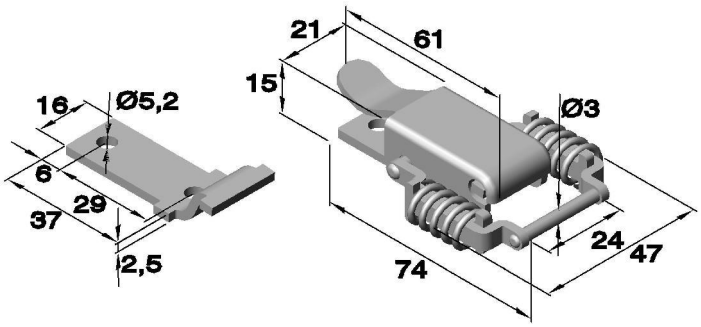
Spring latches

Art. no.: 6602 (drilled)

with spring brackets

Suitable Strikes: see chapter „B"
Art. no.: 6603.__

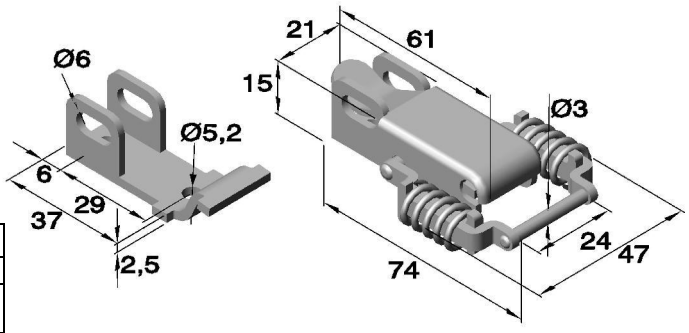


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6602	.05.04	.06.30

Art.no. 6610 (drilled)

with spring brackets

Suitable strikes: see chapter „B"
Art.no. 6603.__



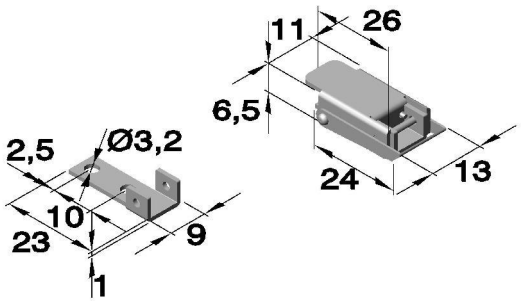
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6610.05	.04	.30

Art. no.: 1036 (drilled)

with spring brackets

Permitted tractive force: 150 N
Breaking strength: 300 N

Suitable strikes: see chapter „B"
Art. no.: 1036._ _/5



Article no.	
Series	Material
	Zinc plated
	Steel
1036	.04/6

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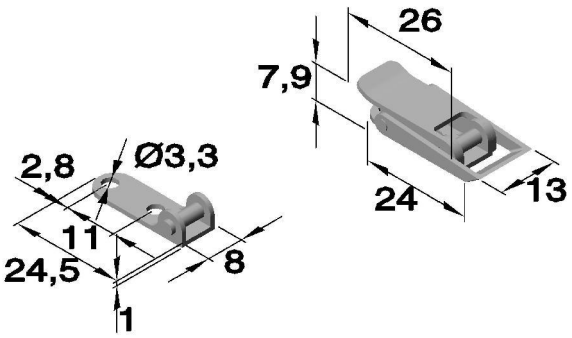
Spring latches

Art.no. 6208.02(drilled)

with spring brackets

Suitable strikes: see chapter „B"
Art.no.6379.01.30

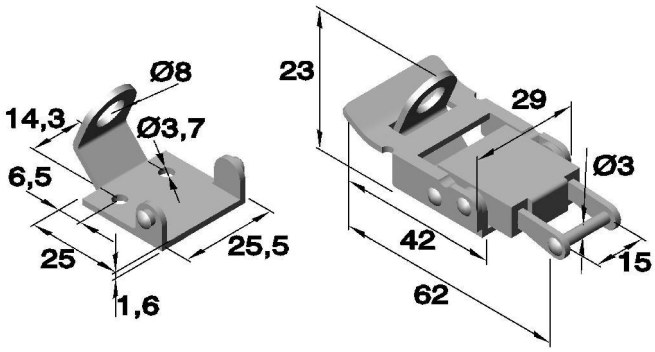


Article no.	
Series	Material
	Raw
	Stainless steel
6208	.02.30

Art. no.: 6200.01 (drilled)

with spring brackets and secondary loop lock

Suitable Strikes: see chapter „B"
Art. no.: 6200.30

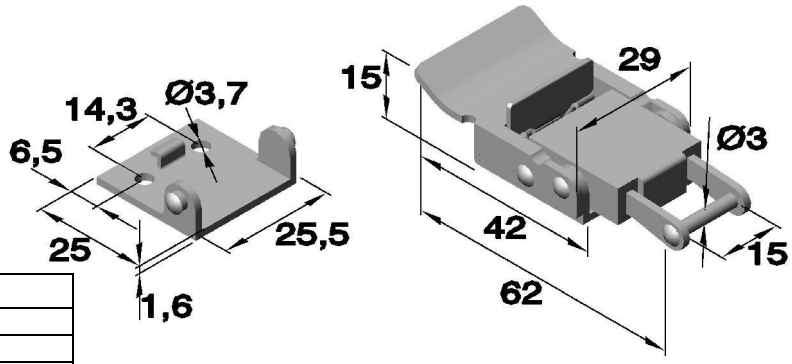


Article no.			
Series	Execution	Material	
		Zinc plated	Raw
		Steel	Stainless steel
6200	.01	.04	.30

Art. no.: 6201.01 (drilled)

with spring brackets and safety spring

Suitable Strikes: see chapter „B"
Art. no.: 6200.30



Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6201	.01	.30

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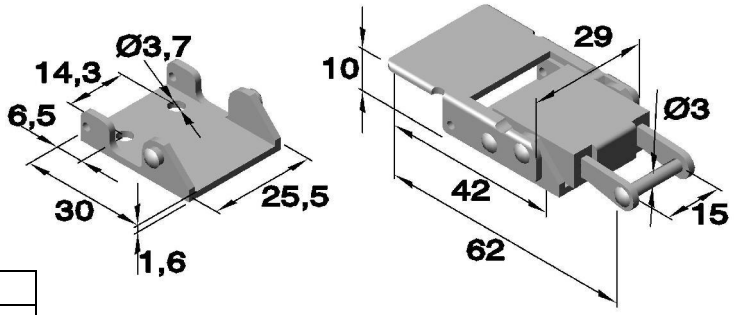
Spring latches

Art. no.: 6203.01 (drilled)

with spring brackets

Suitable Strikes: see chapter „B"
Art. no.: 6200.30

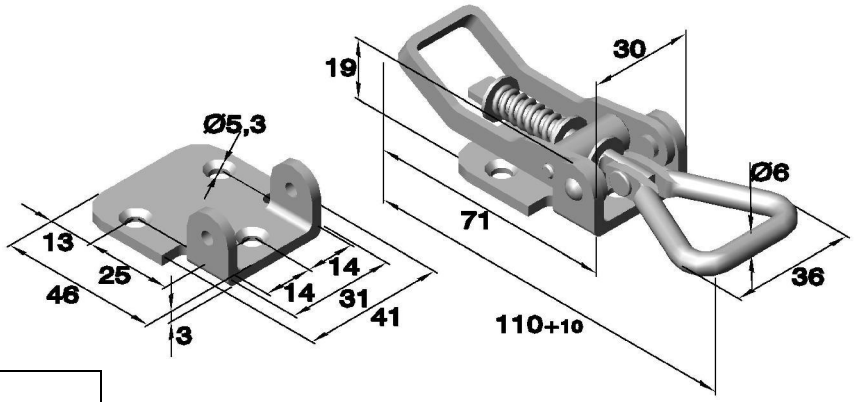


Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6203	.01	.30

Art. no.: 3020 (drilled and countersunk)

with spring riveted triangle

Suitable Strikes: see chapter „B"
Art. no.: 3608._ _ Art. no.: 3622._ _
Art. no.: 3611._ _ Art. no.: 3625._ _
Art. no.: 3612._ _



Article no.	
Series	Material
	Zinc plated
	Steel
3020	.04

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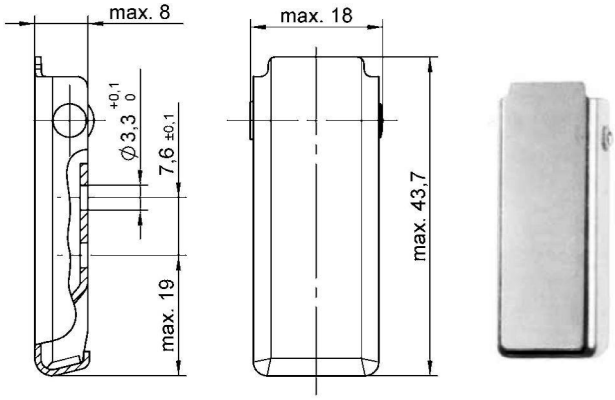
Spring latches

Art. no. 95L (drilled)

Tolerance compensation per spring clip
Tensile load max. 445 N
Operating load 220 N

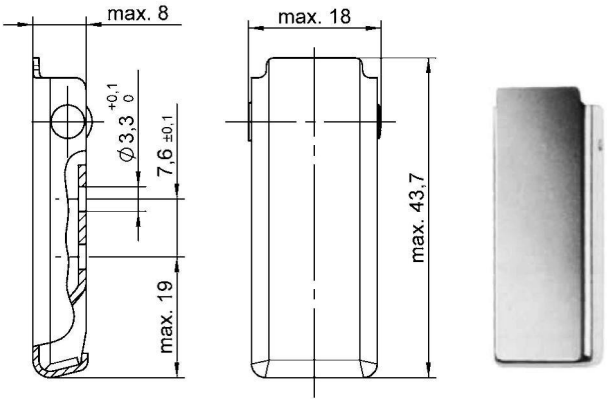
Article no.	
Series	Material
	Raw
	Stainless steel
V95L07-1-1	BC



Art.No. 95L (drilled)

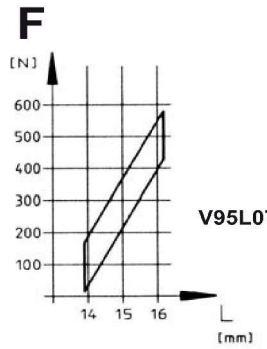
Tolerance compensation per spring clip
Tensile load max. 445 N
Operating load 220 N

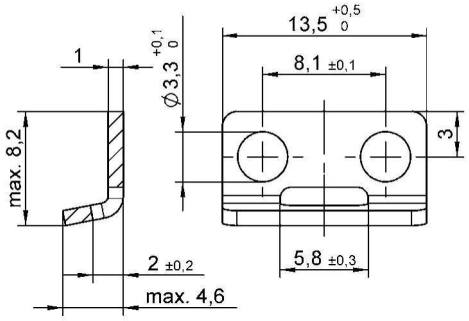
Article no.	
Series	Material
	Chrome plated
	Steel
V95L15-1	BD

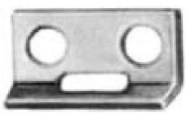


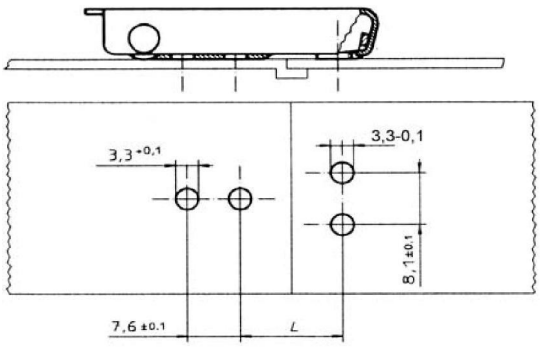
Suitable clamp

Article no.	
Series	Material
	Raw
	Stainless steel
V95H07-1-1	BC









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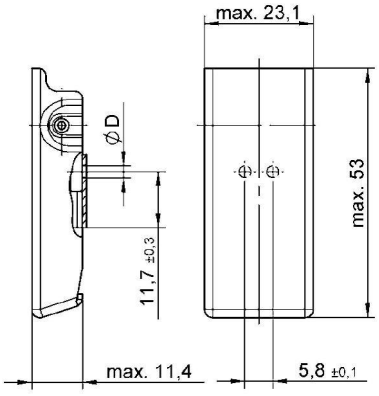
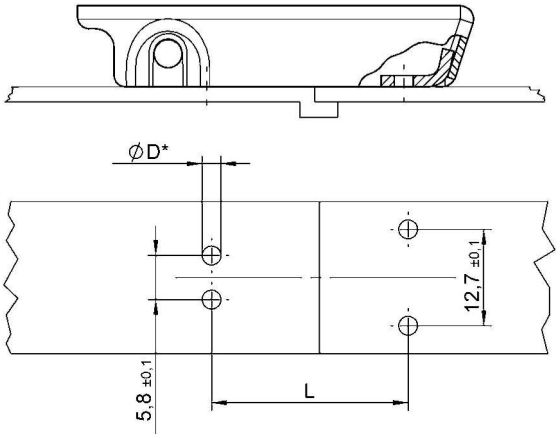
Spring latches

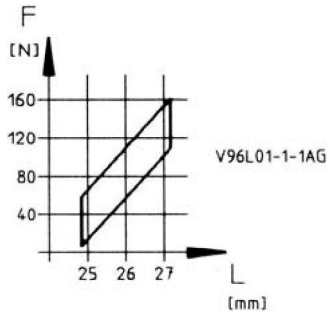
Art.No. V96L (drilled)

Tolerance compensation per spring clip
Tensile load max. 1000 N
Operating load 650 N

Article no.			hole Ø
Series	Material		
	Zinc plated	Chrome plated	
	Steel	Steel	
V96L01-1-	1AO	1AG	2,5
V96L01-1-	2AO	2AG	3,2



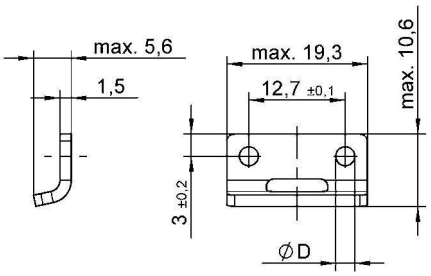


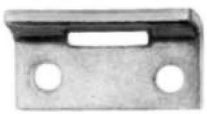


Hole diameter according to the selected design

Suitable clamp

Article no.		hole Ø
Series	Material	
	Zinc plated	
	Steel	
V96H01-1-	1AO	2,5
V96H01-1-	2AO	3,2





Spring latches

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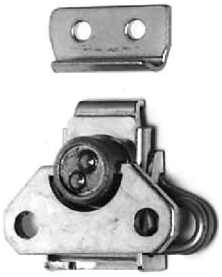
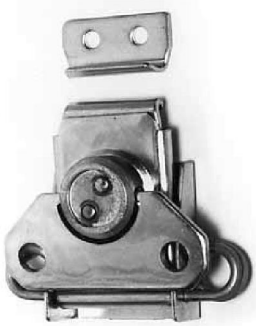
„Butterfly" latches

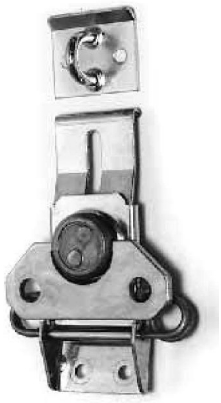


Art.:100.L0914



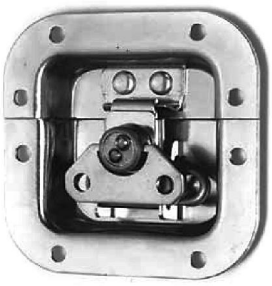
Art.:100.L0915

Art.:100.L0925

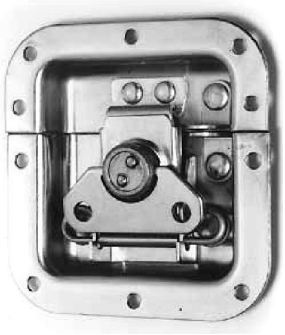


Art.:100.L0935

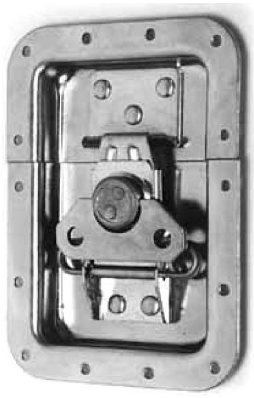
Art.:L903/7336



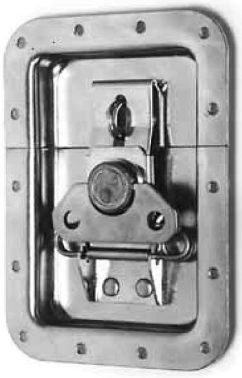
Art.:100.L904/914



Art.:100.L905/915



Art.:100.L925/530



Art.:100.L935/530

Art.:L944/2525

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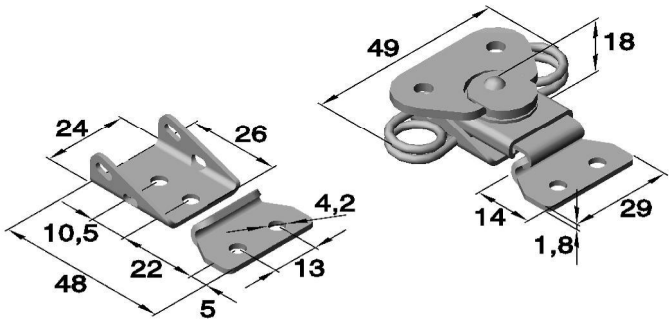
latches
„Butterfly"

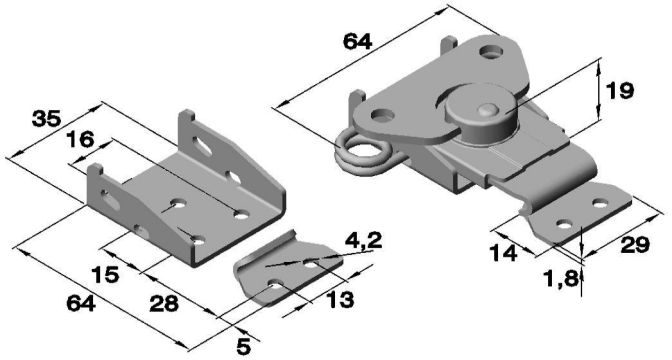
Art.no. 100.L 0914 (drilled)

Article no.		
Series	Material	
	Zinc plated	Coated black
	Steel	Steel
100.L 0914	.04	.07



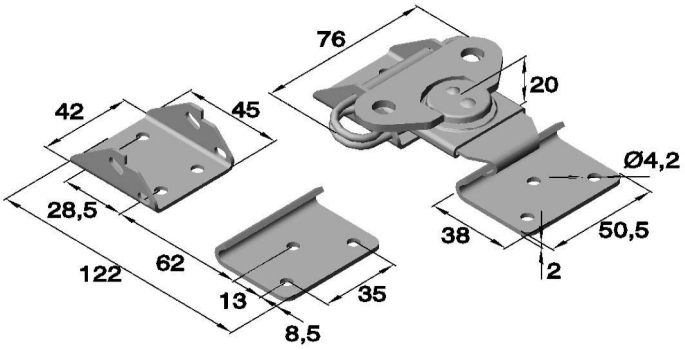
Art.no. 100.L 0915 (drilled)

Article no.		
Series	Material	
	Zinc plated	Coated black
	Steel	Steel
100.L 0915	.04	.07



Art.no. 100.L 0925 (drilled)

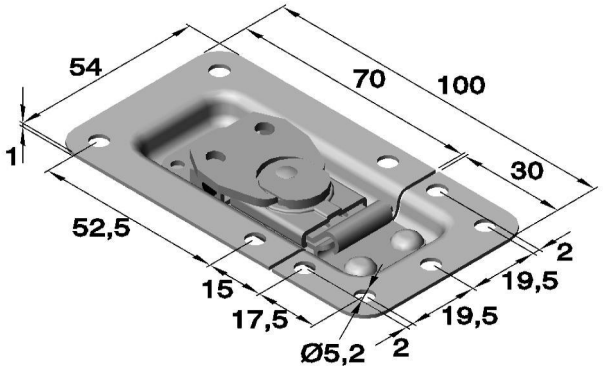
Article no.			
Series	material		
	Zinc plated	Coated black	Polished
	Steel	Steel	Stainless steel
100.L 0925	.04	.07	.33



Art.no. 100.L 903/7336 (drilled)

Installation opening: 32 x 78
Depth 7mm

Article no.	
Series	Material
	Zinc plated
	Steel
100.L 903/7336	z.04



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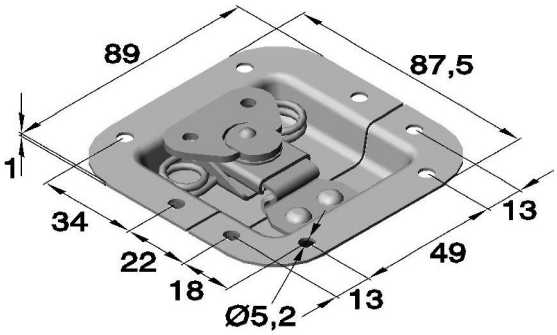
latches
„Butterfly"

Art.no. 100.L 904/914 (drilled)

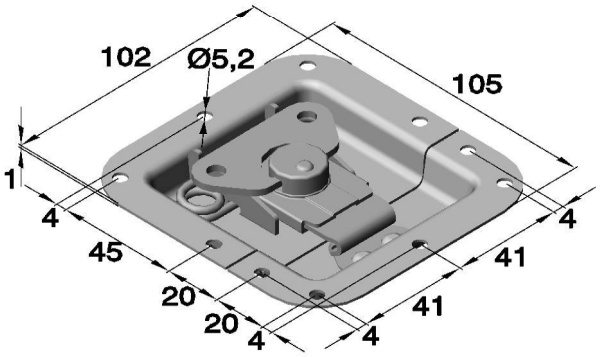
Installation opening: 65 x 64
Depth 13mm



Article no.	
Series	Material
	Zinc plated
	Steel
100.L 904/914	.04

Art.no. 100.L 905/915 (drilled)

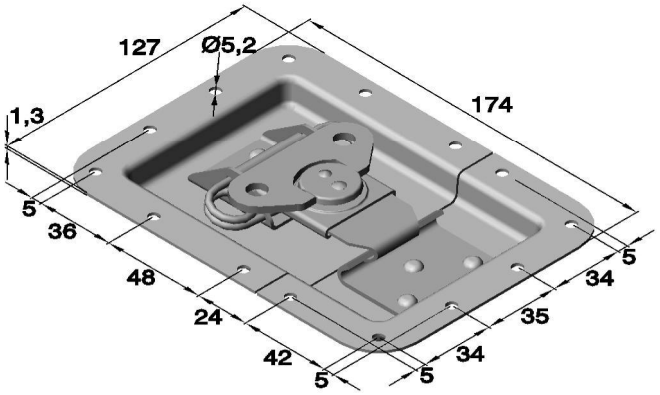
Installation opening: 78 x 82
Depth 13mm



Article no.			
Series	Material		
	Zinc plated	Coated black	Polished
	Steel	Steel	Stainless steel
100.L 905/915	.04	.07	.33

Art.no. 100.L 925/530 (drilled)

Installation opening: 96 x 145
Depth 15,5mm



Article no.		
Series	Material	
	Zinc plated	Coated black
	Steel	Steel
100.L 925/530	.04	.07

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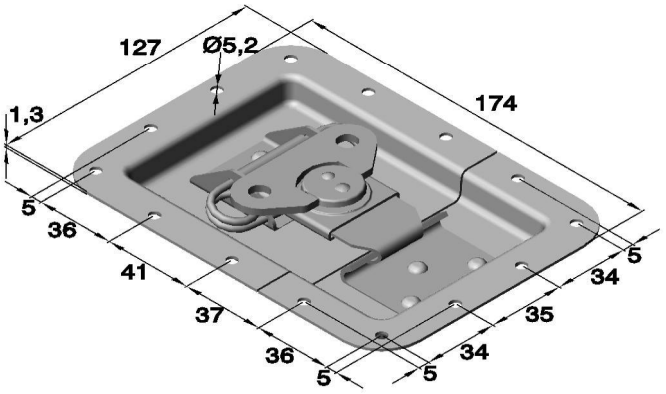
latches
„Butterfly"

Art.no. 100.L 925/530 (drilled)

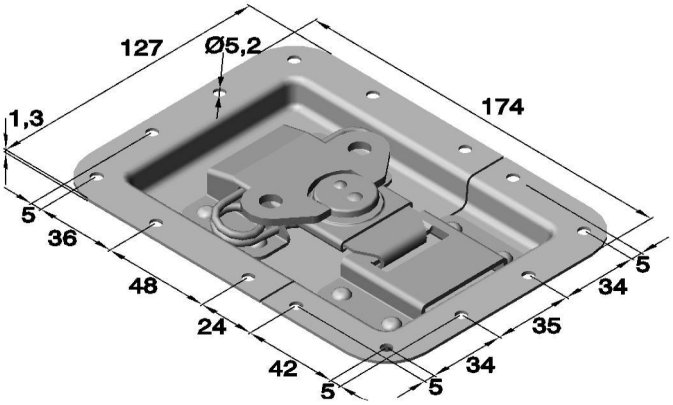
Installation opening: 96 x 145
Depth 15,5mm



Article no.	
Series	Material
	Polished
	Stainless steel
100.L 925/530	.33

Art.no. 100.L 944/530 (drilled)

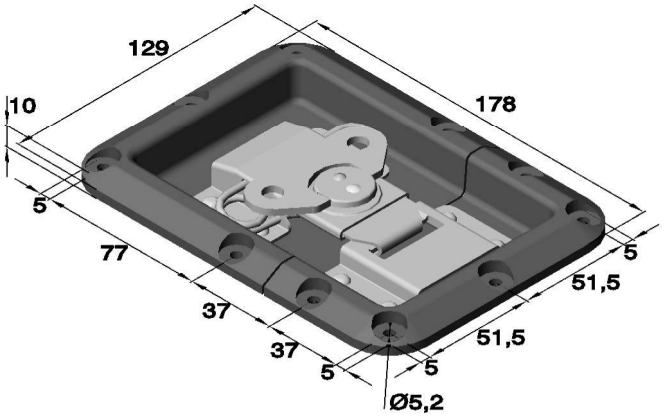
Installation opening: 96 x 145
Depth 15,5mm



Article no.	
Series	Material
	Zinc plated
	Steel
100.L 944/530	.04

Art.no. 100.L 944/2525 (drilled)

Installation opening: 94 x 143
Depth 9mm



Article no.	
Series	Material
	Black
	ABS- plastic
100.L 944/2525	.87

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Strikes

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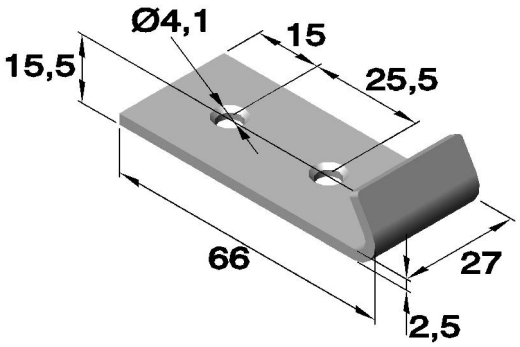
Strikes

Art. no.: 1001 (drilled and countersunk)

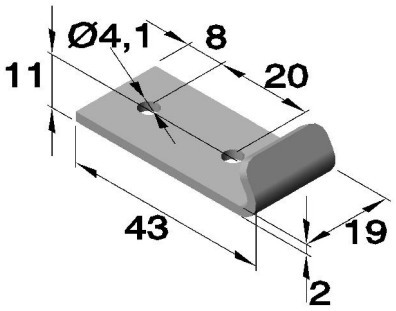
Strike for latch: see chapter „A"
Art. no.: 1001._ _/6
Art. no.: 1002._ _/6
Art. no.: 1003._ _/6
Art. no.: 1004._ _/6
Art. no.: 1021._ _/6
Art. no.: 1070._ _/6



Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1001	.00/5	.01/5	.04/5	.30/5

Art. no.: 1006 (drilled)

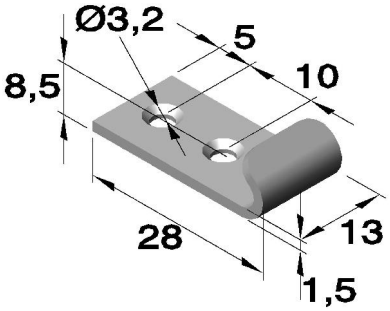
Strike for latch: see chapter „A"
Art. no.: 1006._ _/6
Art. no.: 1007._ _/6



Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1006	.00/5	.01/5	.04/5	.30/5

Art. no.: 1008 (drilled and countersunk)

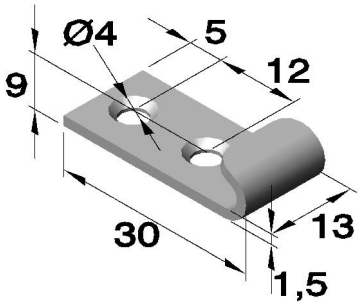
Strike for latch: see chapter „A"
Art. no.: 1008._ _/6



Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1008	.00/5	.01/5	.04/5	.30/5

Art. no.: 1009 (drilled and countersunk)

Strike for latch: see chapter „A"
Art. no.: 1009._ _/6
Art. no.: 1010._ _/6
Art. no.: 1012._ _/6



Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1009	.00/5	.01/5	.04/5	.30/5

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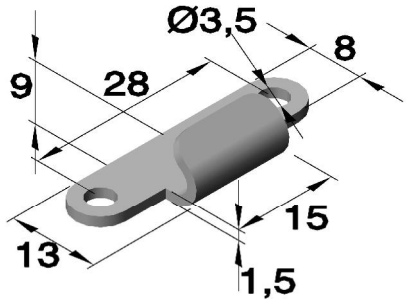
Strikes

Art. no.: 1013 (drilled)

Strike for latch: see chapter „A"
Art. no.: 1013._ _/6
Art. no.: 1014._ _/6

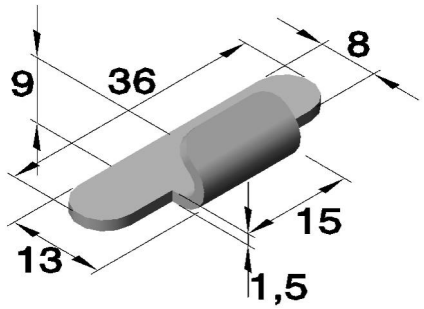
Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1013	.00/5	.01/5	.04/5	.30/5



Art. no.: 1013

Strike for latch: see chapter „A"
Art. no.: 1013._ _/6
Art. no.: 1014._ _/6

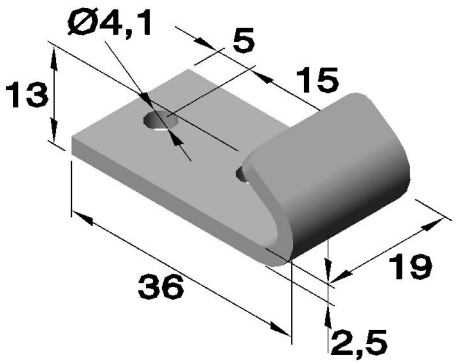
Article no.	
Series	Material
	Raw
	Steel
1013	.00/5-10



Art. no.: 1015 (drilled)

Strike for latch: see chapter „A"
Art. no.: 1015._ _/6 Art. no.: 1017._ _/6
Art. no.: 1016._ _/6 Art. no.: 1018._ _/6

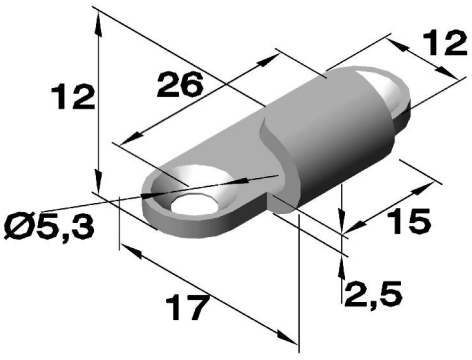
Article no.				
Series	Material			
	Raw	Nickel plated	Zinc plated	Raw
	Steel	Steel	Steel	Stainless steel
1015	.00/5	.01/5	.04/5	.30/5



Art. no.: 1024 (drilled)

Strike for latch: see chapter „A"
Art. no.: 1024._ _/6
Art. no.: 1025._ _/6

Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1024	.04/5	.30/5

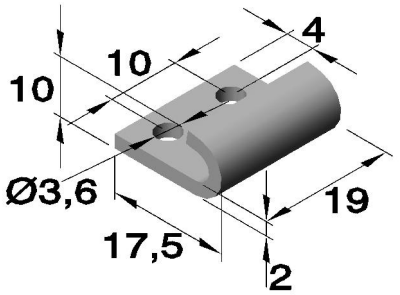


Strikes

Art. no.: 1027 (drilled)

Strike for latch: see chapter „A"
Art. no.: 1027._ _/6
Art. no.: 1028._ _/6

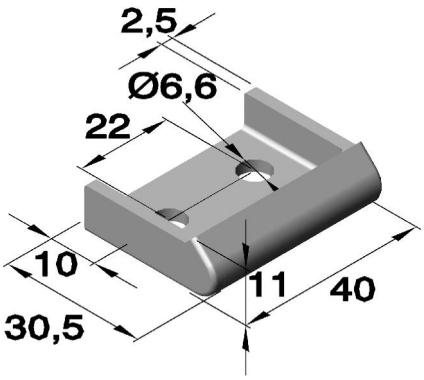
Article no.		
Series	Material	
	Nickel plated	Zinc plated
	Steel	Steel
1027	.01/5	.04/5



Art. no.: 1029 (drilled)

Strike for latch: see chapter „A"
Art. no.: 1029._ _/6
Art. no.: 1030._ _/6

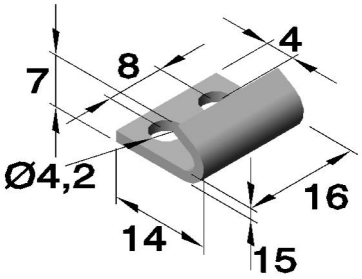
Article no.	
Series	Material
	Zinc plated
	Steel
1029	.04/5



Art. no.: 1031 (drilled)

Strike for latch: see chapter „A"
Art. no.: 1031._ _/6
Art. no.: 1032._ _/6
Art. no.: 1033._ _/6

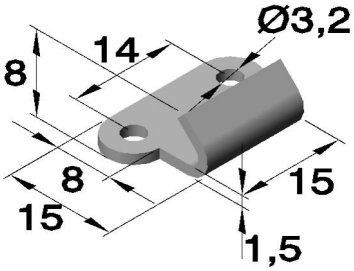
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1031	.04/5	.30/5



Art. no.: 1034 (drilled)

Strike for latch: see chapter „A"
Art. no.: 1034._ _/6
Art. no.: 1035._ _/6

Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
1034	.04/5	.30/5



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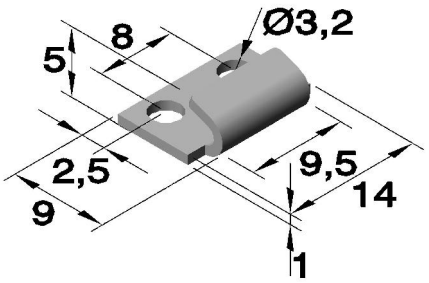
Strikes

Art. no.: 1036 (drilled)

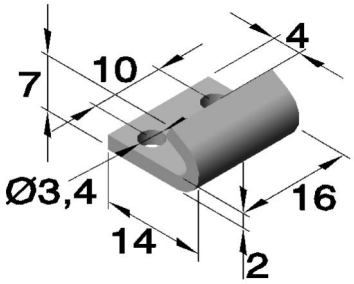
Strike for latch: see chapter „A"
Art. no.: 1036._ _/6
Art. no.: 1037._ _/6



Article no.	
Series	Material
	Zinc plated
	Steel
1036	.04/5

Art. no.: 1038 (drilled)

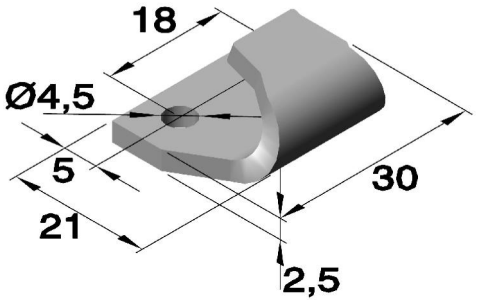
Strike for latch: see chapter „A"
Art. no.: 1038._ _/6



Article no.	
Series	Material
	Zinc plated
	Steel
1038	.04/5

Art. no.: 1039 (drilled)

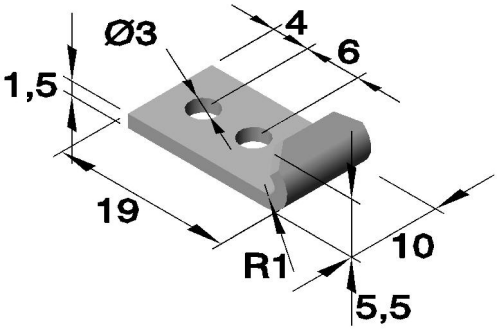
Strike for latch: see chapter „A"
Art. no.: 1022._ _/6
Art. no.: 1039._ _/6



Article no.		
Series	Material	
	Zinc plated	Bronzed
	Steel	Steel
1039	.04/5	.05/5

Art. no.: 3601 (drilled)

Strike for latch: see chapter „A"
Art. no.: 3001



Article no.	
Series	Material
	Zinc plated
	Steel
3601	.04

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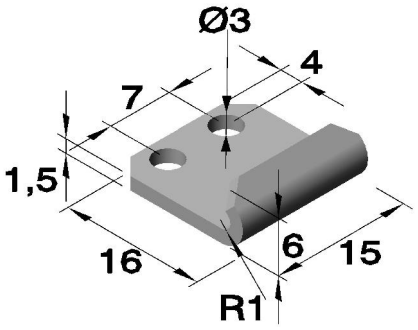
Strikes

Art. no.: 3602 (drilled)

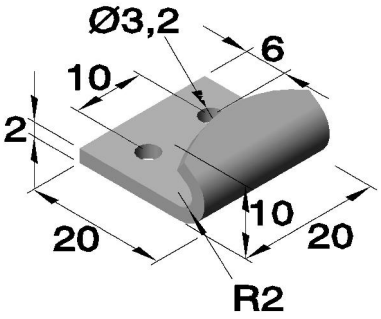
Strike for latch: see chapter „A"
Art. no.: 1008.__ Art. no.: 1010.__ Art. no.: 1013.__
Art. no.: 1009.__ Art. no.: 1012.__ Art. no.: 1014.__



Article no.	
Series	Material
	Zinc plated
	Steel
3602	.04

Art. no.: 3603 (drilled)

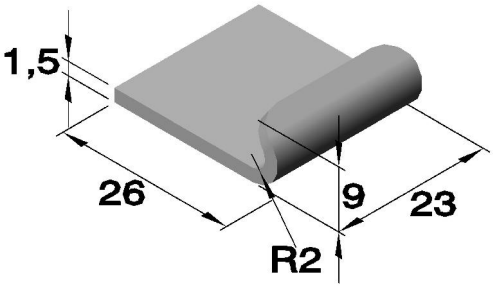
Strike for latch: see chapter „A"
Art. no.: 3003



Article no.	
Series	Material
	Zinc plated
	Steel
3603	.04

Art. no.: 3604

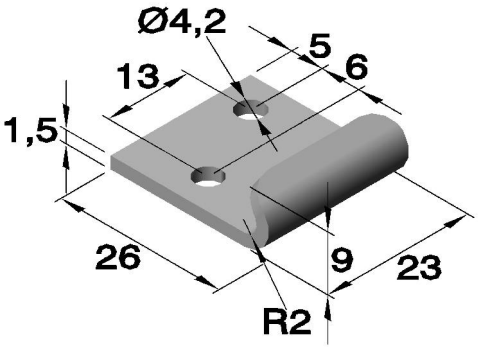
Strike for latch: see chapter „A"
Art. no.: 3004.__ Art. no.: 3007.__
Art. no.: 3005.__ Art. no.: 3008.__
Art. no.: 3006.__ Art. no.: 3009.__



Article no.	
Series	Material
	Raw
	Steel
3604	.00-U1

Art. no.: 3604 (drilled)

Strike for latch: see chapter „A"
Art. no.: 3004.__ Art. no.: 3007.__
Art. no.: 3005.__ Art. no.: 3008.__
Art. no.: 3006.__ Art. no.: 3009.__



Article no.	
Series	Material
	Zinc plated
	Steel
3604	.04

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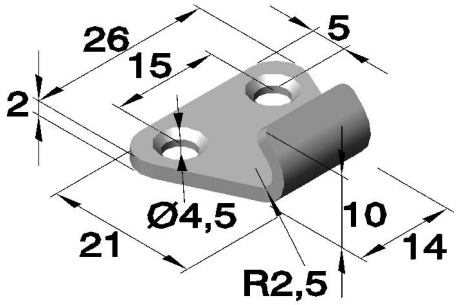
Strikes

Art. no.: 3605 (drilled and countersunk)

Strike for latch: see chapter „A"
Art. no.: 3012.__ Art. no.: 3014.__
Art. no.: 3013.__

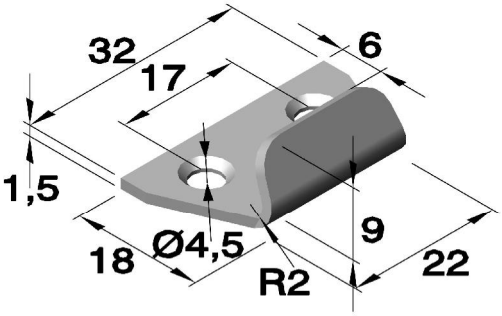
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless-steel
3605	.04	.30



Art. no.: 3606 (drilled and countersunk)

Strike for latch: see chapter „A"
Art. no.: 3007.__ Art. no.: 3009.__
Art. no.: 3008.__

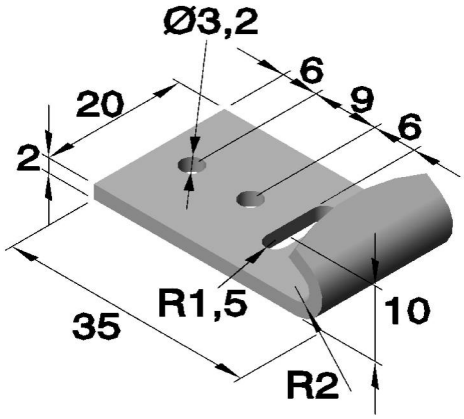
Article no.	
Series	Material
	Zinc plated
	Steel
3606	.04



Art. no.: 3607 (drilled)

Strike for latch: see chapter „A"
Art. no.: 3003.__

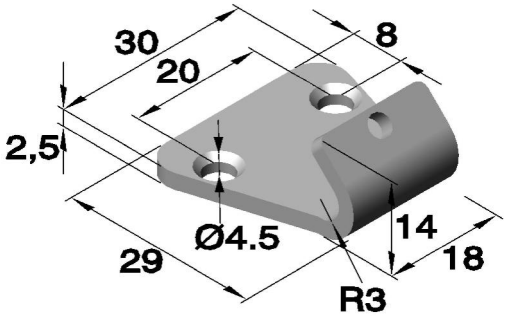
Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3607	.04	.30



Art. no.: 3608 (drilled and countersunk)

Strike for latch: see chapter „A"
Art. no.: 3010.__ Art. no.: 3018.__
Art. no.: 3011.__ Art. no.: 3019.__
Art. no.: 3015.__ Art. no.: 3020.__

Article no.			
Series	Material		
	Zinc plated	Raw	Polished
	Steel	Stainless steel	Stainless steel
3608	.04	.30	.33



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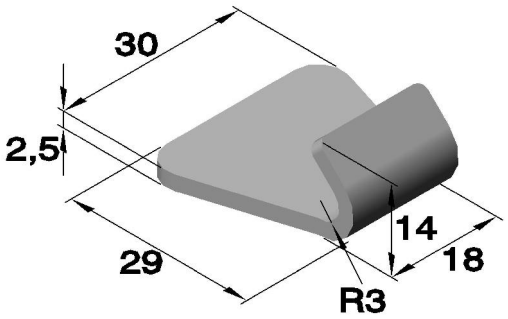
Strikes

Art. no.: 3608

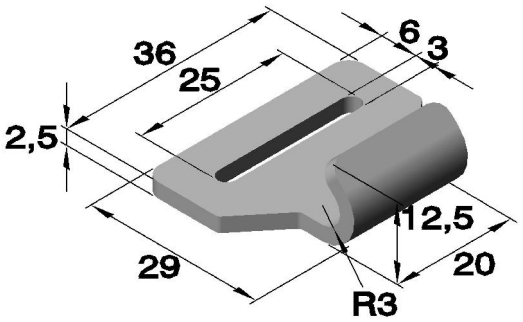
Strike for latch: see chapter „A"
Art. no.: 3010.__ Art. no.: 3018.__
Art. no.: 3011.__ Art. no.: 3019.__
Art. no.: 3015.__ Art. no.: 3020.__



Article no.			
Series	Material		
	Raw	Zinc plated	Raw
	Steel	Steel	Stainless steel
3608	.00-U1	.04-U1	.30-U1

Art. no.: 3609

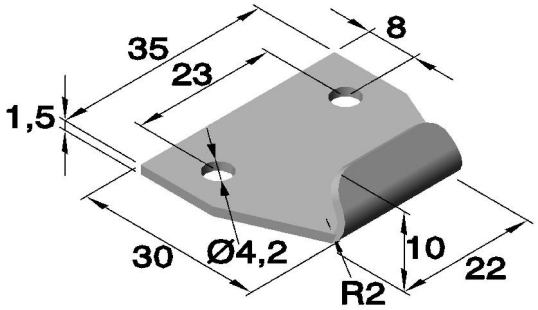
Strike for latch: see chapter „A"
Art. no.: 3017.__



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3609	.04	.30

Art. no.: 3610 (drilled)

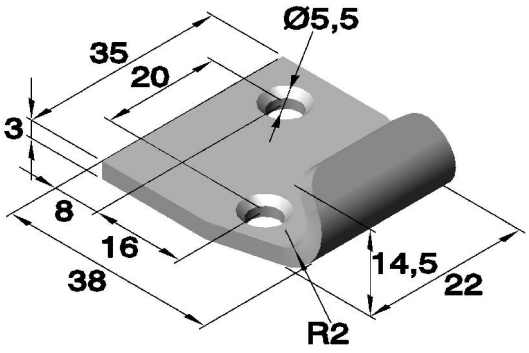
Strike for latch: see chapter „A"
Art. no.: 3007.__ Art. no.: 3009.__
Art. no.: 3008.__



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3610	.04	.30

Art. no.: 3611 (drilled and countersunk)

Strike for latch: see chapter „A"
Art. no.: 3010.__ Art. no.: 3018.__
Art. no.: 3011.__ Art. no.: 3019.__
Art. no.: 3015.__ Art. no.: 3020.__



Article no.			
Series	Material		
	Zinc plated	Raw	Polished
	Steel	Stainless steel	Stainless steel
3611	.04	.30	.33

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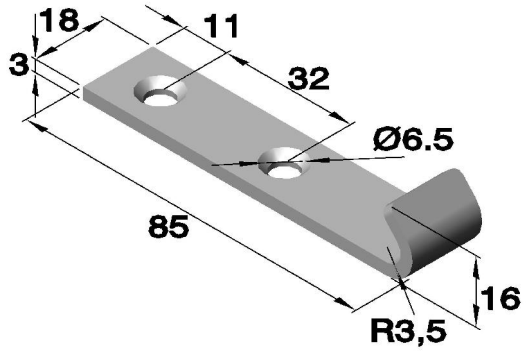
Strikes

Art. no.: 3612 (drilled and countersunk)

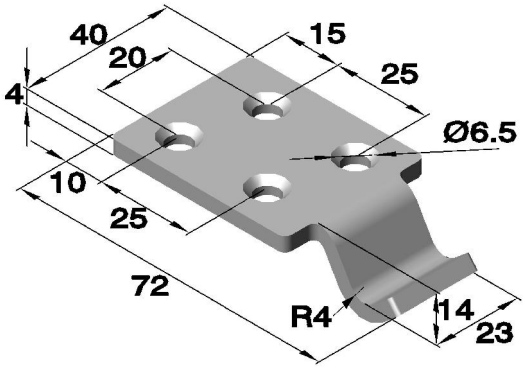
Strike for latch: see chapter „A"
Art. no.: 3010.__ Art. no.: 3019.__
Art. no.: 3011.__ Art. no.: 3020.__
Art. no.: 3015.__ Art. no.: 3320.__
Art. no.: 3018.__ Art. no.: 3520.__



Article no.				
Series	Material			
	Raw	Zinc plated	Raw	Polished
	Steel	Steel	Stainless steel	Stainless steel
3612	.00	.04	.30	.33

Art. no.: 3615 (drilled and countersunk)

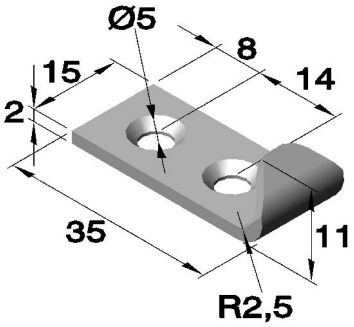
Strike for latch: see chapter „A"
Art. no.: 3320.__ Art. no.: 3520.__



Article no.	
Series	Material
	Zinc plated
	Steel
3615	.04

Art. no.: 3616 (drilled and countersunk)

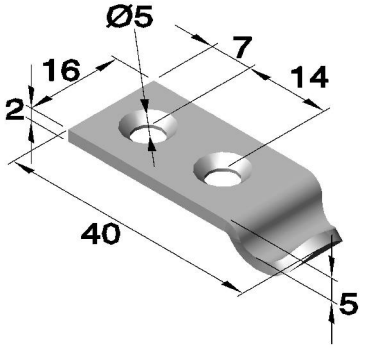
Strike for latch: see chapter „A"
Art. no.: 3012.__ Art. no.: 3014.__
Art. no.: 3013.__



Article no.	
Series	Material
	Zinc plated
	Steel
3616	.04

Art. no.: 3618 (drilled and countersunk)

Strike for latch: see chapter „A"
Art. no.: 3012.__ Art. no.: 3014.__
Art. no.: 3013.__



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3618	.04	.30

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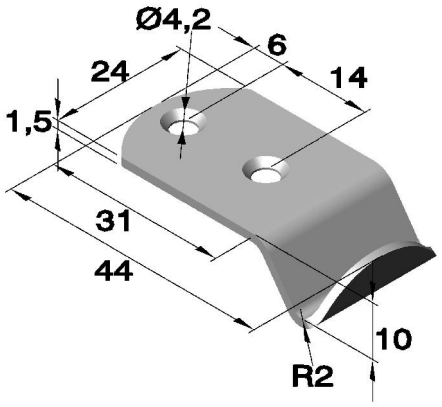
Strikes

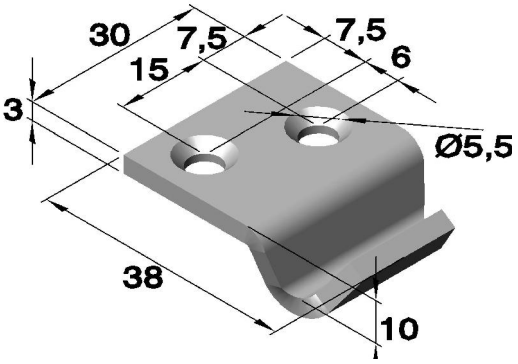
Art. no.: 3619 (drilled and countersunk)



Strike for latch: see chapter „A"
Art. no.: 3004.__ Art. no.: 3007.__
Art. no.: 3005.__ Art. no.: 3008.__
Art. no.: 3006.__ Art. no.: 3009.__

Article no.	
Series	Material
	Zinc plated
	Steel
3619	.04

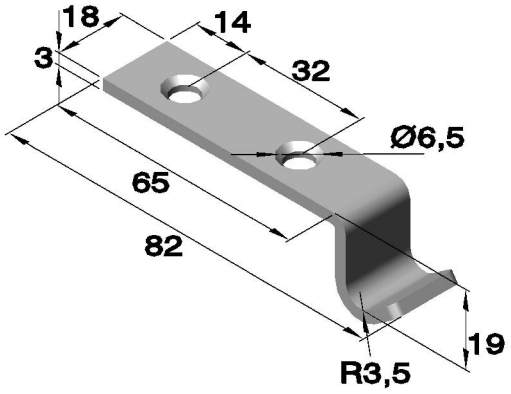
Art. no.: 3620 (drilled and countersunk)



Strike for latch: see chapter „A"
Art. no.: 3320.__
Art. no.: 3520.__

Article no.	
Series	Material
	Zinc plated
	Steel
3620	.04

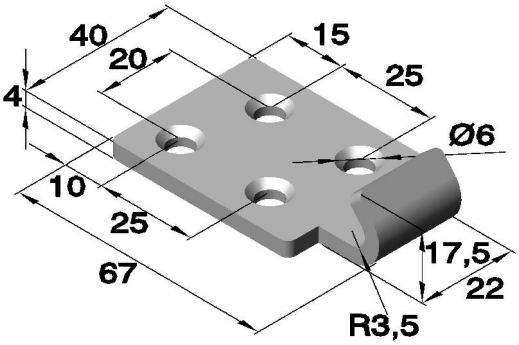
Art. no.: 3622 (drilled and countersunk)



Strike for latch: see chapter „A"
Art. no.: 3010.__ Art. no.: 3018.__ Art. no.: 3320.__
Art. no.: 3011.__ Art. no.: 3019.__ Art. no.: 3520.__
Art. no.: 3015.__ Art. no.: 3020.__

Article no.		
Series	Material	
	Zinc plated	Polished
	Steel	Stainless steel
3622	.04	.33

Art. no.: 3623 (drilled and countersunk)



Strike for latch: see chapter „A"
Art. no.: 3320.__
Art. no.: 3520.__

Article no.	
Series	Material
	Zinc plated
	Steel
3623	.04

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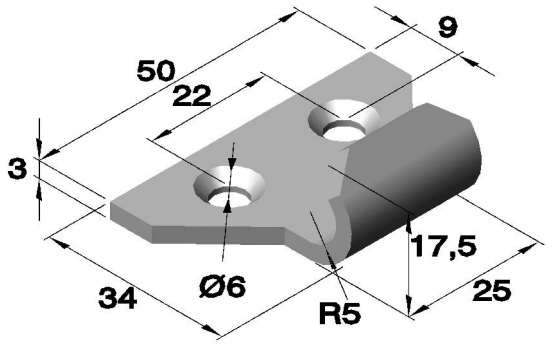
Strikes

Art. no.: 3624 (drilled and countersunk)

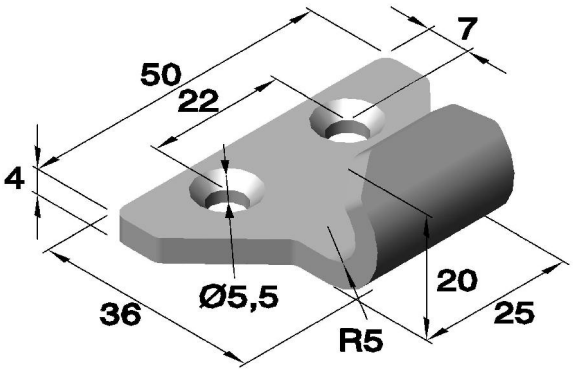
Strike for latch: see chapter „A"
Art. no.: 3320.__
Art. no.: 3520.__



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3624	.04	.30

Art. no.: 3624.__RF-3 (drilled and countersunk)

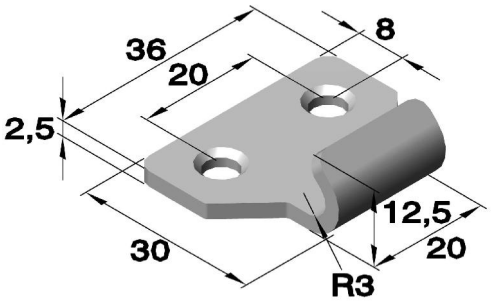
Strike for latch: see chapter „A"
Art. no.: 3320.__
Art. no.: 3520.__



Article no.	
Series	Material
	Raw
	Stainless steel
3624	.30RF-3

Art. no.: 3625 (drilled and countersunk)

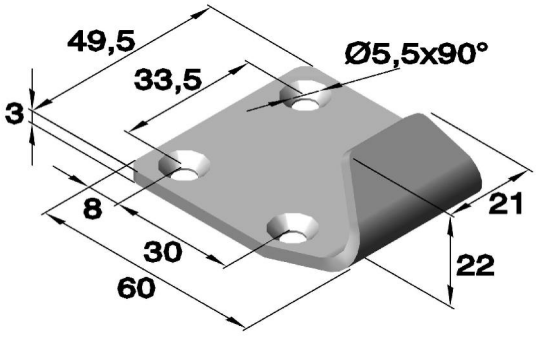
Strike for latch: see chapter „A"
Art. no.: 3010.__ Art. no.: 3018.__
Art. no.: 3011.__ Art. no.: 3019.__
Art. no.: 3015.__ Art. no.: 3020.__



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3625	.04	.30

Art. no.: 3626 (drilled and countersunk)

Strike for latch: see chapter „A"
Art. no.: 3320.__
Art. no.: 3520.__

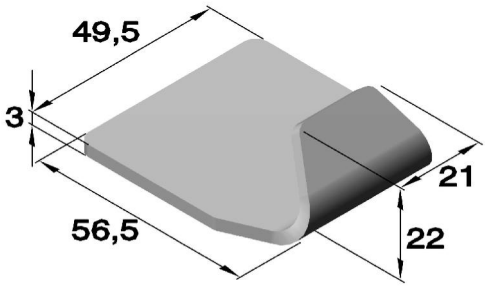


Article no.	
Series	Material
	Raw
	Stainless steel
3626	.30

Strikes

Art.no. 3626.__-U1

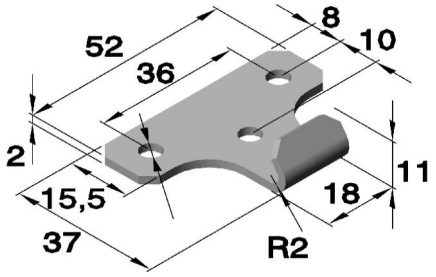
Strike for latch: see chapter „A"
Art.no. 3320.__
Art.no. 3520.__



Article no.	
Series	Material
	Raw
	Stainless steel
3626	.30-U1

Art. no.: 3627 (drilled)

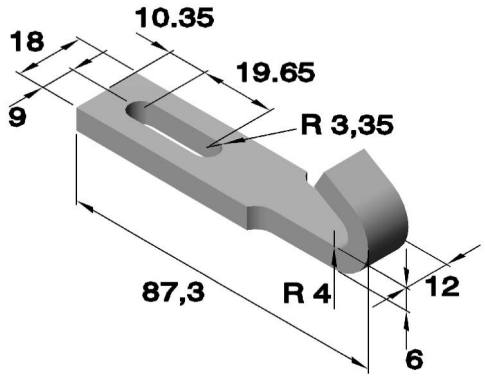
Strike for latch: see chapter „A"



Article no.	
Series	Material
	Nickel plated
	Steel
3627	.01

Art.no. 3633. (drilled)

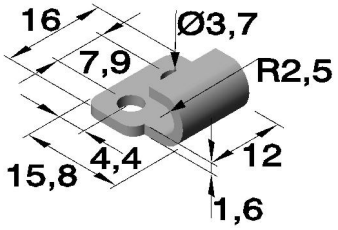
Strike for latch: see chapter „A"



Article no.	
Series	Material
	Zinc plated
	Steel
3633	.04

Art. no.: 6200. (drilled)

Strike for latch: see chapter „A"
Art. no.: 6200.01.30
Art. no.: 6201.01.30
Art. no.: 6203.01.30



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6200	.04	.30

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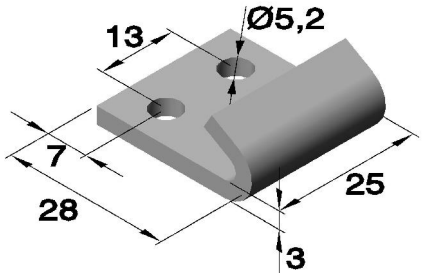
Strikes

Art. no.: 6375.02. (drilled)

Strike for latch: see chapter „A"
Art. no.: 6370.04

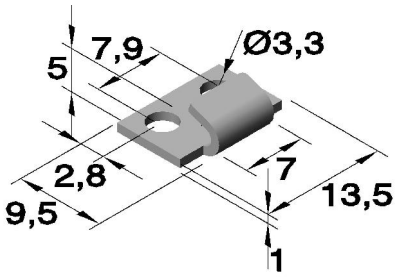
Article no.	
Series	Material
	Zinc plated
	Steel
6375.02	.04



Art. no.: 6379.01. (drilled)

Strike for latch: see chapter „A"
Art. no.: 6208.02.30

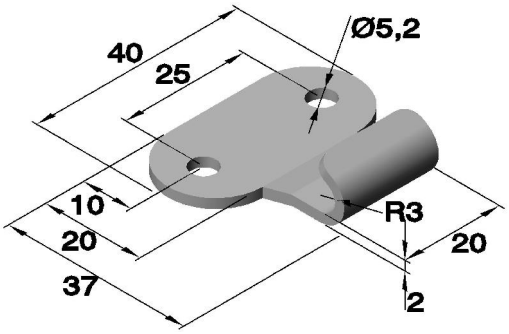
Article no.	
Series	Material
	Raw
	Stainless steel
6379.01	.30



Art. no.: 6603. (drilled)

Strike for latch: see chapter „A"
Art. no.: 6602.__.

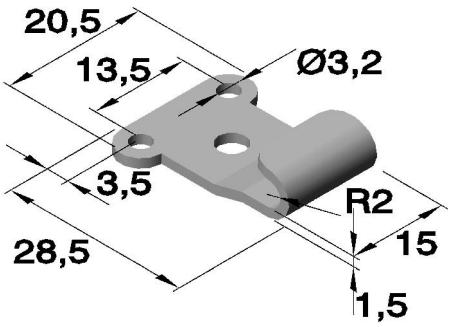
Article no.			
Series	Material		
	Raw	Zinc plated	Raw
	Stainless steel	Steel	Stainless steel
6603	Without holes .03.30	.05.04	.06.30



Art. no.: 6605. (drilled)

Strike for latch: see chapter „A"
Art. no.: 6255.__.
Art. no.: 6604.__.

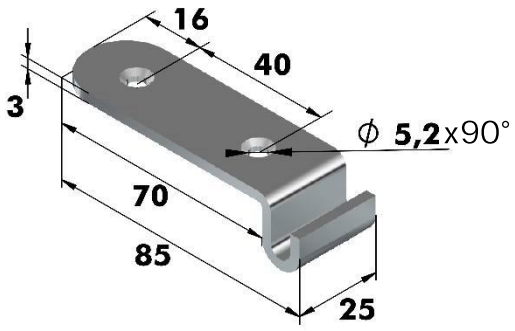
Article no.				
Series	Material			
	Zinc plated	Zinc plated	Raw	Raw
	Steel	Steel	Stainless steel	Stainless steel
6605	Without holes .01.04	.02.04	Without holes .03.30	.06.30



Strikes

Art.no. 6373

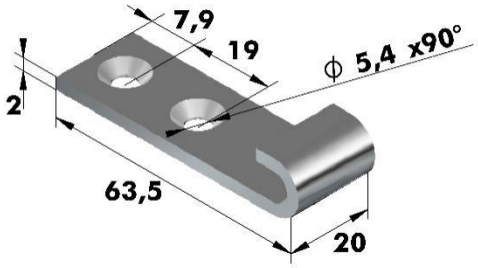
Strike for latch: see chapter „A"
Art.no. 6243.__.



Article no.	
Series	Material
	Zinc plated
	Steel
6373	.02.04

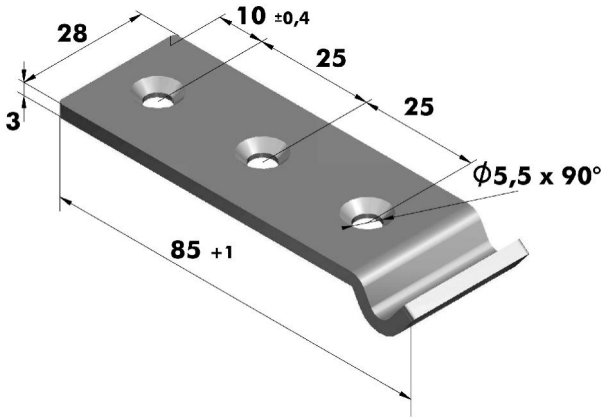
Art.no. 6377

Strike for latch: see chapter „A"
Art.no. 6243.__.



Article no.	
Series	Material
	Zinc plated
	Steel
6377	.01.04

Art.no. 99.D28-02



Article no.	
Series	Material
	Zinc plated
	Steel
99.D28-02	.04

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IRIS™ Certification

TÜVRheinland® ZERTIFIZIERT

Management System
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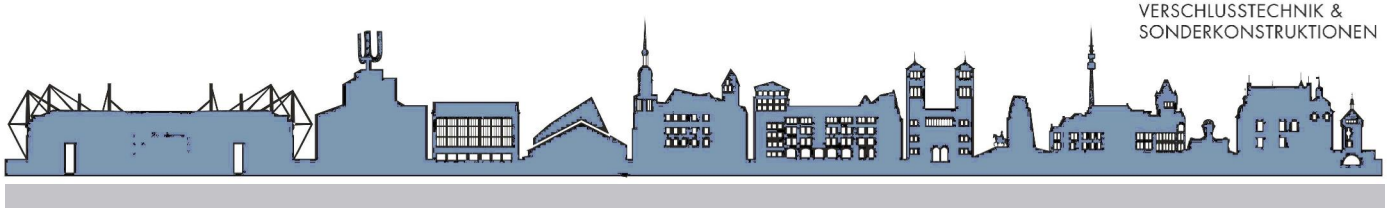

FOLDER 2

TENSION BANDS AND HOSE CLAMPS

FOLDER 1 LATCHES

FOLDER 2 TENSION BANDS

TENSION BANDS AND HOSE CLAMPS.....C

- TENSION BANDS AND HOSE CLAMPS.....C-1
- „BAND-IT" TENSION BANDS AND CABLE TIES.....C-31
- HOSE CLIPS AND PIPE CLIPS.....C-51

FOLDER 3 HANDLES

FOLDER 4 HINGES

FOLDER 5 LOCKING DEVICES

FOLDER 6 THREADED INSERTS

FOLDER 7 SUNDRIES

GENERAL TERMS AND CONDITIONS.....

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Tension bands and hose clamps

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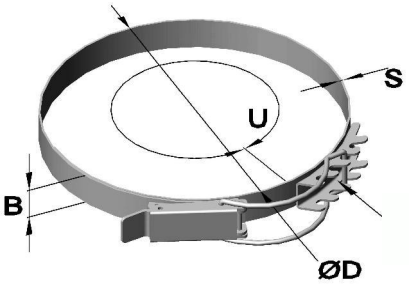
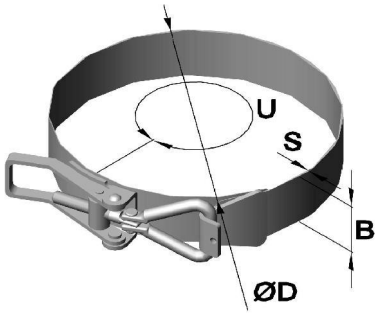
Tension bands and hose clamps

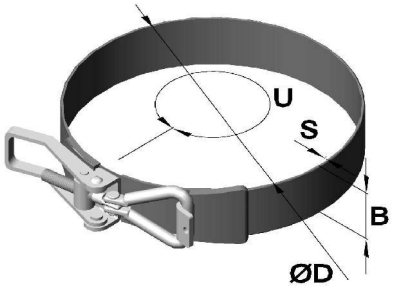


spot welded

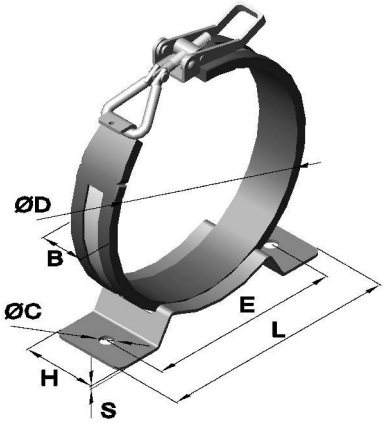
Series1201
tension band
with and without
spring



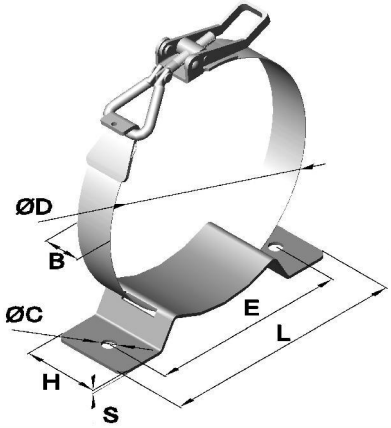
Series 1301
tension band



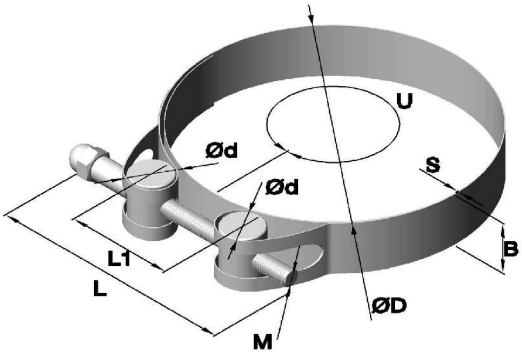
Series 1401
tension band with
plastic coating



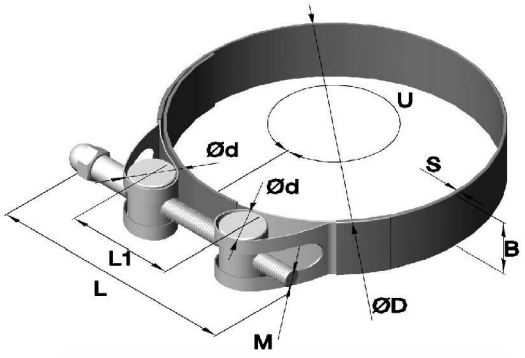
Series 1501
hose clamp
with console and
C-rubber profile



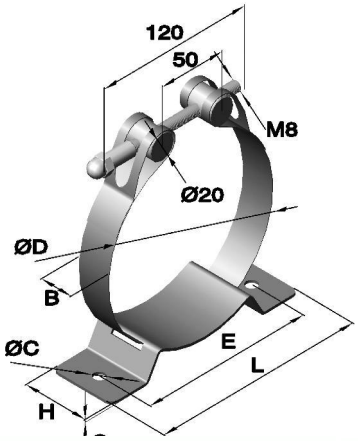
Series 1601
hose clamp
with console



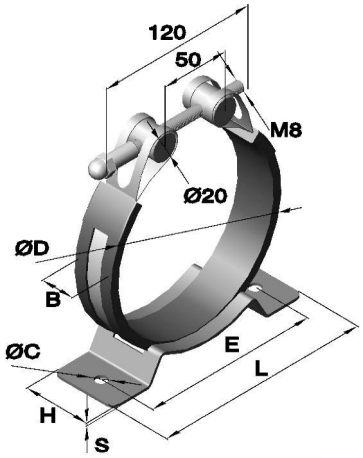
Series 1701
hinge bolt-tension band



Series 1801
hinge bolt-tension band
with rubber profile



Series 1901 Type1
hose clamp with
console and hinge bolt



Series 1901 Type2
hose clamp with console, C-rubber
profile and hinge bolt

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Tension bands and hose clamps

Tension band „Series 1201.F"

Combination-example: with spring

- latch 1009.04
- strike C-1322-00 with spring
- band 10x0,4mm

Order example:

Art.no 12 10 F . 361 .04/30

- 12 — tension band series
- 10 — bandwidth
- F — with spring
- 361 — bandscope
- .04/30 — zinc plated/st. steel (closure)

Article no.					Dimensions in mm	
Series	B Bandwidth	U Scope in mm	Material		Ø D	S Thickness
			Zinc plated	Raw		
			Steel	Stainless steel		
12	08F.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0
12	10F.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0

Standard dimensions in accordance with DN (Diameter Nominal)

Article no.					Dimensions in mm		
Series	B Bandwidth	DN	Material		Ø D	U Scope	S Thickness
			Zinc plated	Raw			
			Steel	Stainless steel			
1210F.	DN 100		.04	.30	Ø 114,3	359	0,4/1,0
1210F.	DN 125		.04	.30	Ø 139,7	439	0,4/1,0
1210F.	DN 150		.04	.30	Ø 168,3	529	0,4/1,0
1210F.	DN 200		.04	.30	Ø 219,1	688	0,4/1,0
1210F.	DN 250		.04	.30	Ø 273,0	858	0,4/1,0
1210F.	DN 300		.04	.30	Ø 323,9	1018	0,4/1,0

Further combinations are possible

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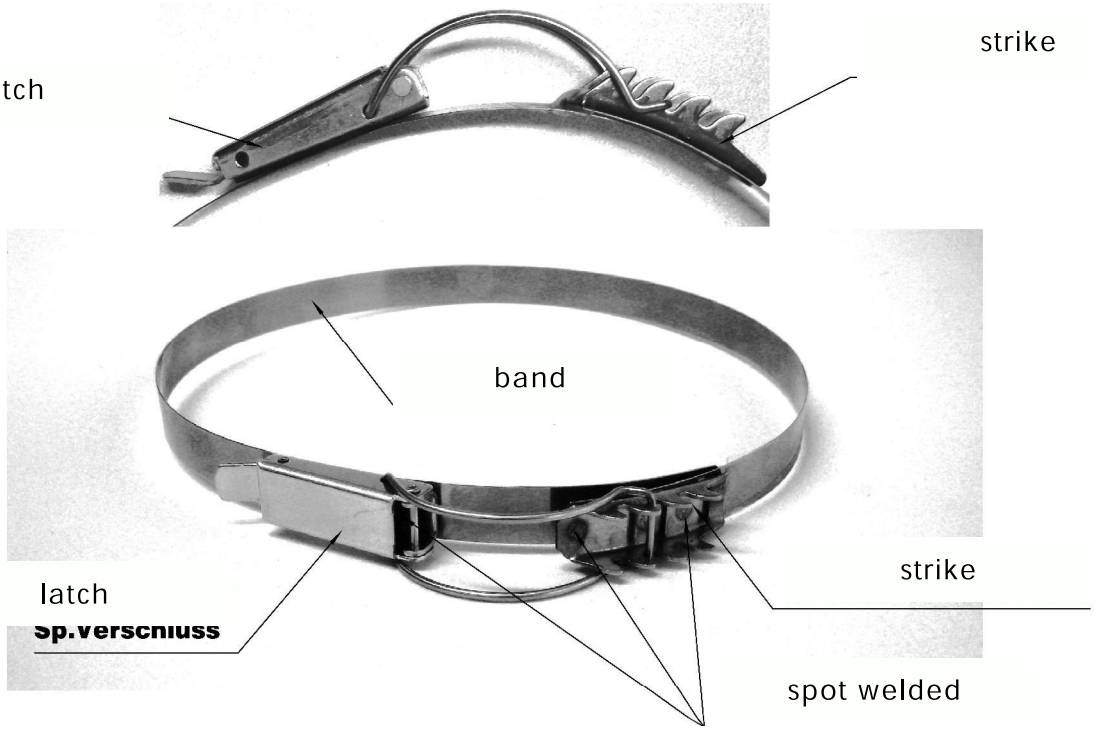
Tension bands and hose clamps

Tension band with latch „Series 1201"

Combination-example: without spring

- latch 1009.30/6
- strike C-1322-202NB.30
- band 15x1,0mm



Standard dimensions in accordance with DN (Diameter Nominal)

Article no.					Dimensions in mm		
Series	B Bandwidth	DN	Material		Ø D	U Scope	S Thickness
			Zinc plated	Raw			
			Steel	Stainless steel			
1215.		DN 100	.04	.30	Ø 114,3	359	0,4/1,0
1215.		DN 125	.04	.30	Ø 139,7	439	0,4/1,0
1215.		DN 150	.04	.30	Ø 168,3	529	0,4/1,0
1215.		DN 200	.04	.30	Ø 219,1	688	0,4/1,0
1215.		DN 250	.04	.30	Ø 273,0	858	0,4/1,0
1215.		DN 300	.04	.30	Ø 323,9	1018	0,4/1,0

Further combinations are possible

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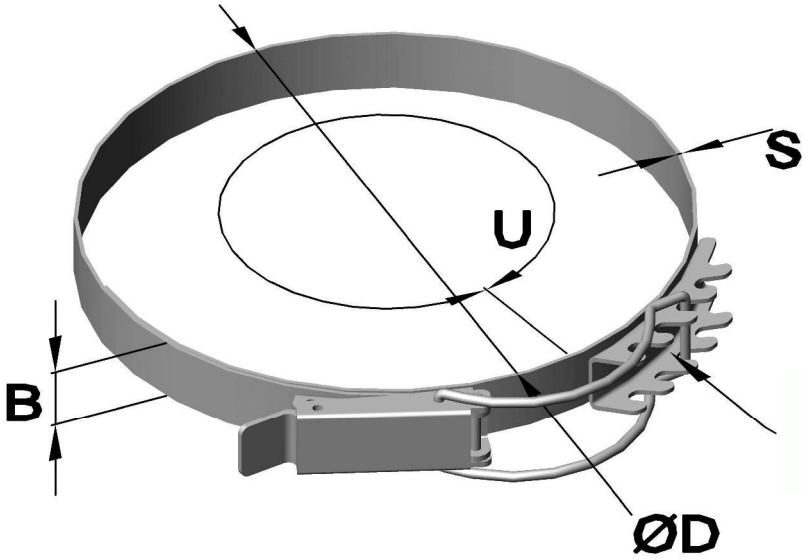
Tension bands and hose clamps

Tension band with latch „Series 1201"

Combination-example: without spring

- latch 1201.33/6
- strike C-1322-202NB.30
- band 15x1,0mm



spot welded

Order example:
Art.no 12 15.361.04/30

- 12 – tension band series
- 15 – bandwidth
- 361 – scope
- 04/30 – zinc plated/st. steel (closure)

Article no.					Dimensions in mm	
Series	B Bandwidth	U Scope in mm	Material		Ø D	S Thickness
			Zinc plated Steel	Raw Stainless steel		
12	10.	from 315-untill ∞	.04	.30	ab Ø100-∞	0,4/1,0
12	15.	from 315-untill ∞	.04	.30	ab Ø100-∞	0,4/1,0
12	20.	from 315-untill ∞	.04	.30	ab Ø100-∞	0,4/1,0
12	25.	from 315-untill ∞	.04	.30	ab Ø100-∞	0,4/1,0
12	30.	from 315-untill ∞	.04	.30	ab Ø100-∞	0,4/1,0
12	35.	from 315-untill ∞	.04	.30	ab Ø100-∞	0,4/1,0

Further combinations are possible

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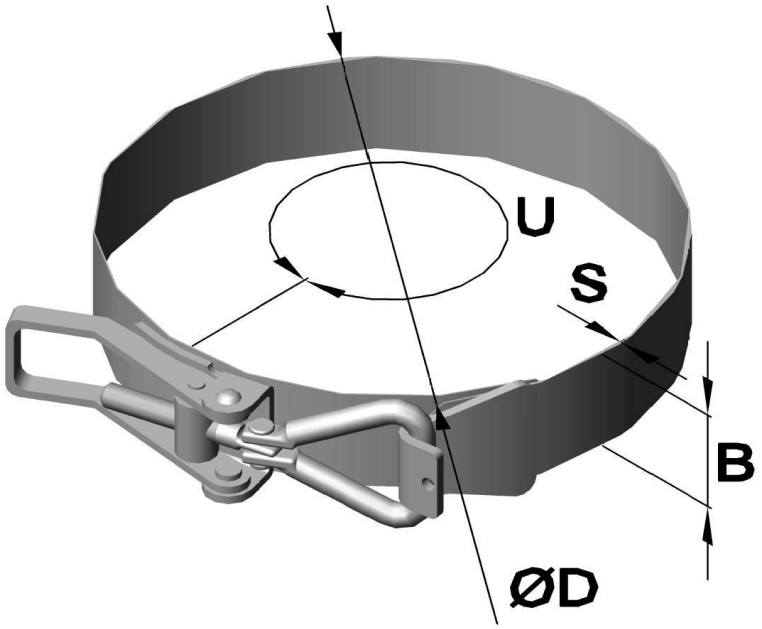
Tension bands and hose clamps

Tension band with latch „Series 1301“

Combination-example:

- latch 3015.33RF-1/MOD
- strike 1301.GEGENHAKEN.33
- band 25x0,4mm
- triangel 120/4.33MOD



Standard dimensions in accordance with DN (Diameter Nominal)

Article no.				Dimensions in mm		
Series	B Bandwidth	DN	Material Raw Stainless steel	Ø D	U Scope	S Thickness
1325.		DN 100	.30	Ø 114,3	359	0,4
1325.		DN 125	.30	Ø 139,7	439	0,4
1325.		DN 150	.30	Ø 168,3	529	0,4
1325.		DN 200	.30	Ø 219,1	688	0,4
1325.		DN 250	.30	Ø 273,0	858	0,4
1325.		DN 300	.30	Ø 323,9	1018	0,4

Further combinations are possible

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Tension bands and hose clamps

Tension band with latch „Series 1301"

Combination-example:

- latch 3015.04
- strike 3608.04
- band 25x0,4mm

Order example:
Art.no 13 25.361.04/30

- 13 — tension band series
- 25 — bandwidth
- 361 — scope
- 04/30 — zinc plated/st. steel (closure)

Article no.					Dimensions in mm	
Series	B Bandwidth	U Scope in mm	Material: Zinc plated / Steel	Material: Raw / Stainless steel	Ø D	S Thickness
13	15.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0
13	20.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0
13	25.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0
13	30.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0
13	35.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0
13	40.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0
13	50.	from 315-untill ∞	.04	.30	from Ø100-∞	0,4/1,0

Further combinations are possible

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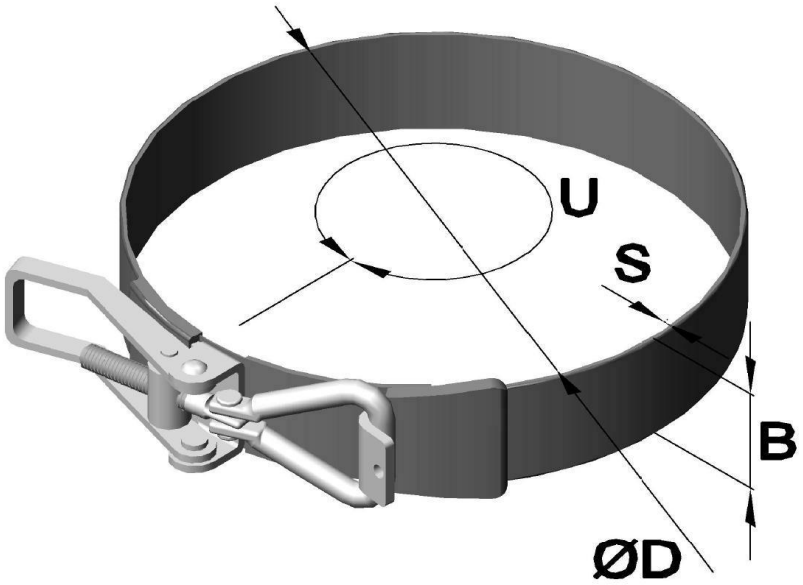
Tension bands and hose clamps

Tension band with latch „Series 1401“ with plastic coating

Combination-example:

- latch 3015.33RF-1/MOD
- strike 1301.GEG.33
- band 25x0,4mm
- triangel 120/4.33MOD

with plastic coating



Standard dimensions in accordance with DN (Diameter Nominal)

Article no.				Dimensions in mm		
Series	B Bandwidth	DN	Material Raw Stainless steel	Ø D	U	S Thickness
1425.		DN 100	.30	Ø 114,3	359	0,4
1425.		DN 125	.30	Ø 139,7	439	0,4
1425.		DN 150	.30	Ø 168,3	529	0,4
1425.		DN 200	.30	Ø 219,1	688	0,4
1425.		DN 250	.30	Ø 273,0	858	0,4
1425.		DN 300	.30	Ø 323,9	1018	0,4

Further combinations are possible

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Tension bands and hose clamps

Tension band with latch „Series 1401"
with plastic coating

Combination-example:

- latch 3015.04
- strike 3608.04
- band 25x0,4mm
- with plastic coating

Order example:
Art.no 14 25.361.04/30

- 14 – Tension band series
- 25 – bandwidth
- 361 – scope
- 04/30 – zinc plated/st. steel (closure)

Article no.					Dimensions in mm	
Series	B Bandwidth	U Scope in mm	Material		Ø D	S Thickness
			Zinc plated Steel	Raw Stainless steel		
14	15.	from 315-untill∞ (stepplesly)	.04	.30	from Ø100-∞	0,4/1,0
14	20.	from 315-untill∞ (stepplesly)	.04	.30	from Ø100-∞	0,4/1,0
14	25.	from 315-untill∞ (stepplesly)	.04	.30	from Ø100-∞	0,4/1,0
14	30.	from 315-untill∞ (stepplesly)	.04	.30	from Ø100-∞	0,4/1,0
14	35.	from 315-untill∞ (stepplesly)	.04	.30	from Ø100-∞	0,4/1,0
14	40.	from 315-untill∞ (stepplesly)	.04	.30	from Ø100-∞	0,4/1,0
14	50.	from 315-untill∞ (stepplesly)	.04	.03	from Ø100-∞	0,4/1,0

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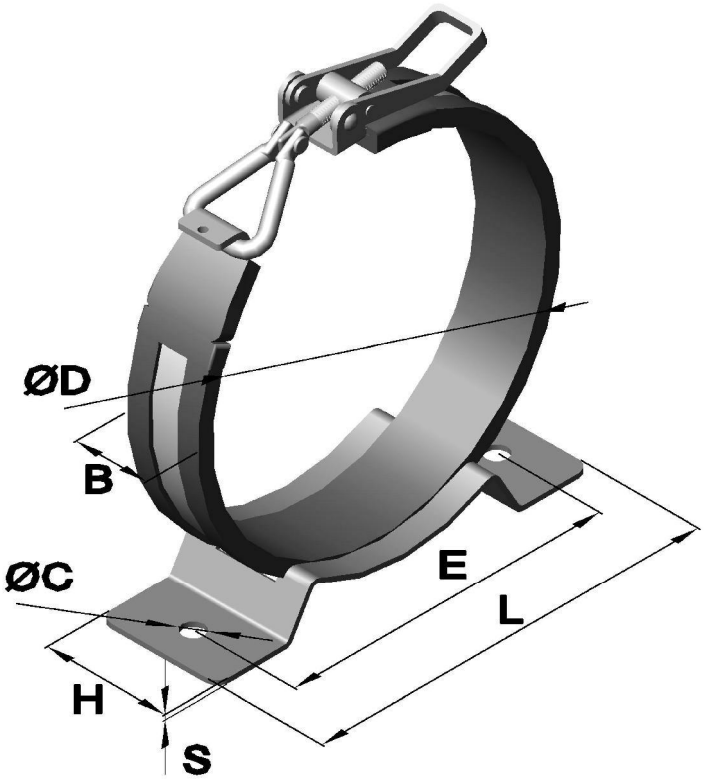
Tension bands and hose clamps

Hose clamps „Series 1501"
with console and C-rubber profile



Standard dimensions in accordance with DN (Diameter Nominal)

Article no.				Dimensions in mm					
Series	B Bandwidth	DN	Material Raw / Stainless steel	Ø D	H	E	L	ØC	Band
1525. DN 100			.30	Ø 114,3	50	130	160	9	25x0,4
1525. DN 125			.30	Ø 139,7	50	130	160	9	25x0,4
1525. DN 150			.30	Ø 168,3	50	170	200	9	25x0,4
1525. DN 200			.30	Ø 219,1	50	170	250	9	25x0,4
1525. DN 250			.30	Ø 273,0	50	220	250	9	25x0,4
1525. DN 300			.30	Ø 323,9	50	220	250	9	25x0,4

Further combinations are possible

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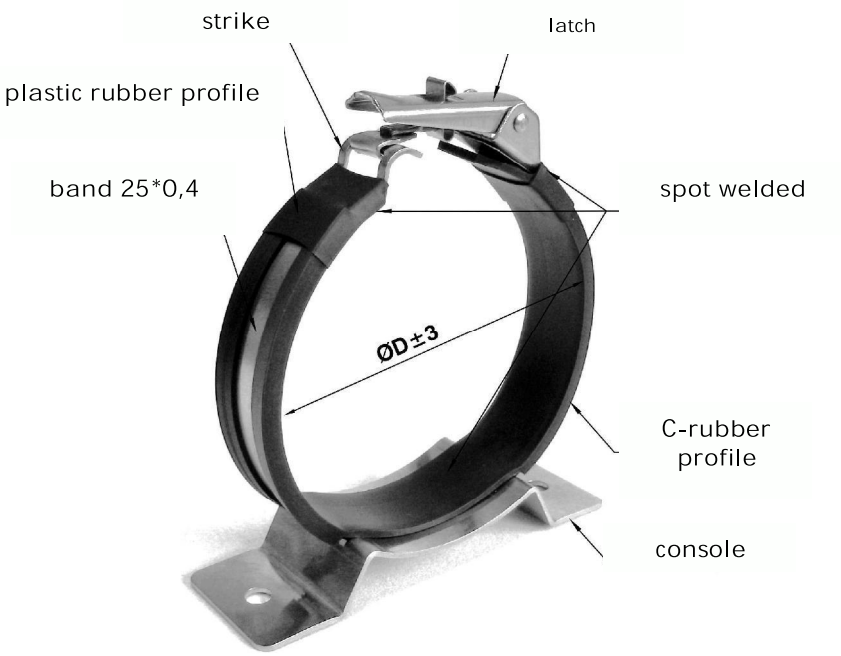
Tension bands and hose clamps

Hose clamps „Series 1501“ with console and C-rubber profile

Combination-example:

- latch V951L50-3BP
- strike V951L04x2BP
- band 25x0,4mm
- with C-rubber profile
- with console K130



Order example:
Art.no 15 25.100.04/30 /K130

- console (hole spacing E)
- zinc plated/st. steel (closure)
- scope
- bandwidth
- tension band series

Article no.						Dimensions in mm					
Series	B Bandwidth	Ø D	Material			Ø C	E	H	L	S	Band
			Zinc plated	Stainless steel	Console						
15	15.	from Ø60-untill Ø120(stepplesly)	.04	.30	/K46	5	46	25	56	1,5	15x0,4
15	15.	from Ø100-untill ∞ (stepplesly)	.04	.30	/K130	9	130	50	160	2	15x0,4
15	25.	from Ø100-untill ∞ (stepplesly)	.04	.30	/K130	9	130	50	160	2	25x0,4
15	15.	from Ø150-untill ∞ (stepplesly)	.04	.30	/K170	9	170	50	200	2	15x0,4
15	25.	from Ø150-untill ∞ (stepplesly)	.04	.30	/K170	9	170	50	200	2	25x0,4
15	15.	from Ø200-untill ∞ (stepplesly)	.04	.30	/K220	9	220	50	250	2	15x0,4
15	25.	from Ø200-untill ∞ (stepplesly)	.04	.30	/K220	9	220	50	250	2	25x0,4

Further combinations are possible

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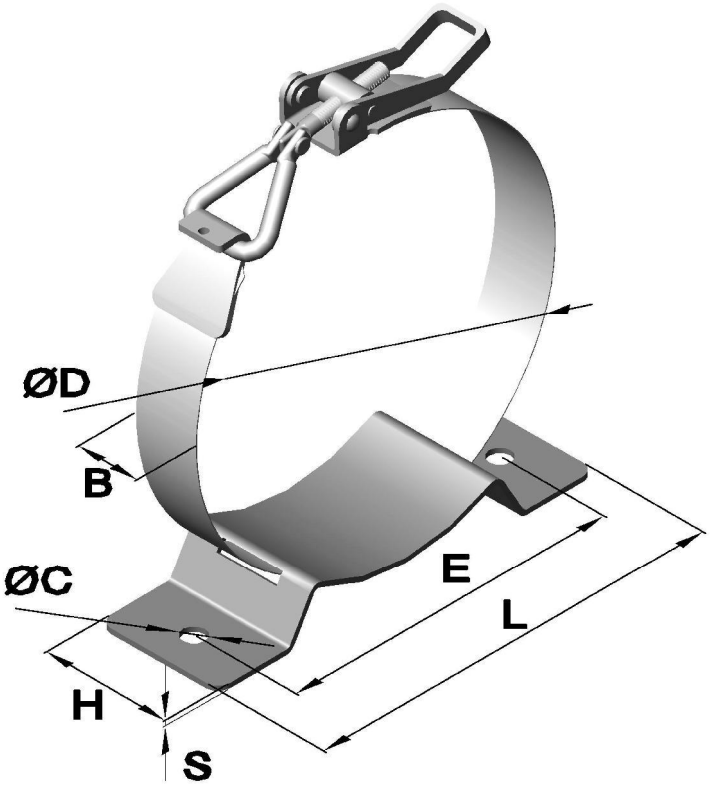
Tension bands and hose clamps

Hose clamps „Series 1601“ with console

Combination-example:

- latch 3015.33RF-1/MOD
- strike 1301.GEGENHAKEN.33
- band 25x0,4mm
- tension band with console
- triangle 120/4.33MOD



Standard dimensions in accordance with DN (Diameter Nominal)

Article no.					Dimensions in mm							
Series	B Bandwidth	DN	Material Raw Stainless steel	Material Raw Console	Ø D	U	E	H	L	Ø C	S	Band
1625.	DN 100.		.30	K130	Ø 114,3	359	130	50	160	9	2	25x0,4
1625.	DN 125.		.30	K130	Ø 139,7	439	130	50	160	9	2	25x0,4
1625.	DN 150.		.30	K130	Ø 168,3	529	130	50	160	9	2	25x0,4
1625.	DN 200.		.30	K170	Ø 219,1	688	170	50	200	9	2	25x0,4
1625.	DN 250.		.30	K170	Ø 273,0	858	170	50	200	9	2	25x0,4
1625.	DN 300.		.30	K170	Ø 323,9	1018	170	50	200	9	2	25x0,4

Further combinations are possible

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Tension bands and hose clamps

Hose clamps „Series 1601"
with console

Combination-example:

- latch 3015.04
- strike 3608.04
- band 25x0,4mm
- tension band with console K130

Order example:
Art.no 16 25.100.04/30 /K130

- console (hole space E)
- zinc plated/st. steel (closure)
- scope
- bandwidth
- Tension band series

Article no.						Dimensions in mm					
Series	B Bandwidth	Ø D	Material			Ø C	E	H	L	S	Band
			Zinc plated	Stainless steel	Console						
16	15.	from Ø60-untill Ø120 (stepplesly)	.04	.30	/K46	5	46	25	56	1,5	15x0,4
16	15.	from Ø100-untill ∞ (stepplesly)	.04	.30	/K130	9	130	50	160	2	15x0,4
16	20.	from Ø100-untill ∞ (stepplesly)	.04	.30	/K130	9	130	50	160	2	20x0,4
16	25.	from Ø100-untill ∞ (stepplesly)	.04	.30	/K130	9	130	50	160	2	25x0,4
16	15.	from Ø150-untill ∞ (stepplesly)	.04	.30	/K170	9	170	50	200	2	15x0,4
16	20.	from Ø150-untill ∞ (stepplesly)	.04	.30	/K170	9	170	50	200	2	20x0,4
16	25.	from Ø150-untill ∞ (stepplesly)	.04	.30	/K170	9	170	50	200	2	25x0,4
16	15.	from Ø200-untill ∞ (stepplesly)	.04	.30	/K220	9	220	50	250	2	15x0,4
16	20.	from Ø200-untill ∞ (stepplesly)	.04	.30	/K220	9	220	50	250	2	20x0,4
16	25.	from Ø200-untill ∞ (stepplesly)	.04	.30	/K220	9	220	50	250	2	25x0,4

Further combinations are possible

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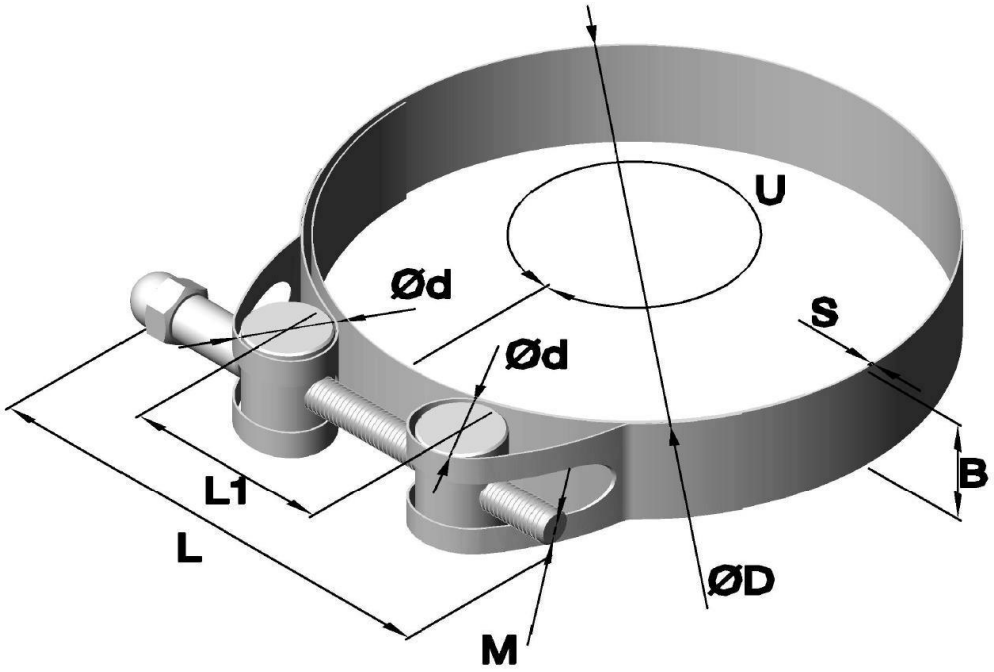
Tension bands and hose clamps

Hinge bolt tension band „Series 1701“

Combination-example:

- band 30x0,4mm
- bolt Ø20x30mm
- threaded rod M8x120mm



Standard dimensions in accordance with DN (Diameter Nominal)

Article no.				Dimensions in mm						
Series	B Bandwidth	DN	Material Raw / Stainless steel	Ø D	U	d	L	L1	M	S Thickness
1730.	DN 100.	30		Ø 114,3	359	20	120	50	M8	0,4
1730.	DN 125.	30		Ø 139,7	439	20	120	50	M8	0,4
1730.	DN 150.	30		Ø 168,3	529	20	120	50	M8	0,4
1730.	DN 200.	30		Ø 219,1	688	20	120	50	M8	0,4
1730.	DN 250.	30		Ø 273,0	858	20	120	50	M8	0,4
1730.	DN 300.	30		Ø 323,9	1018	20	120	50	M8	0,4

Further combinations are possible

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Tension bands and hose clamps

Hinge bolt tension band „Series 1701"

Combination-example:

- band 25x0,4mm
- bolt Ø20x25mm
- threaded rod M8x120mm

Order example:
Art.no 17 30.315.30

- 17 — tension band series
- 30 — bandwidth
- 315 — scope
- 30 — stainless steel

Article no.				Dimensions in mm					
Series	B Band-width	U Scope in mm	Material Raw Stainless steel	Ø D	d	L	L1	M	S Thickness
17	20.	from 315-untill ∞(stepplesly)	.30	from Ø100- ∞	20	100-160	30-50	M8/M10	0,4/1,0
17	25.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	120-160	30-50	M8/M10	0,4/1,0
17	30.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0
17	35.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0
17	40.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0
17	50.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0

Further combinations are possible

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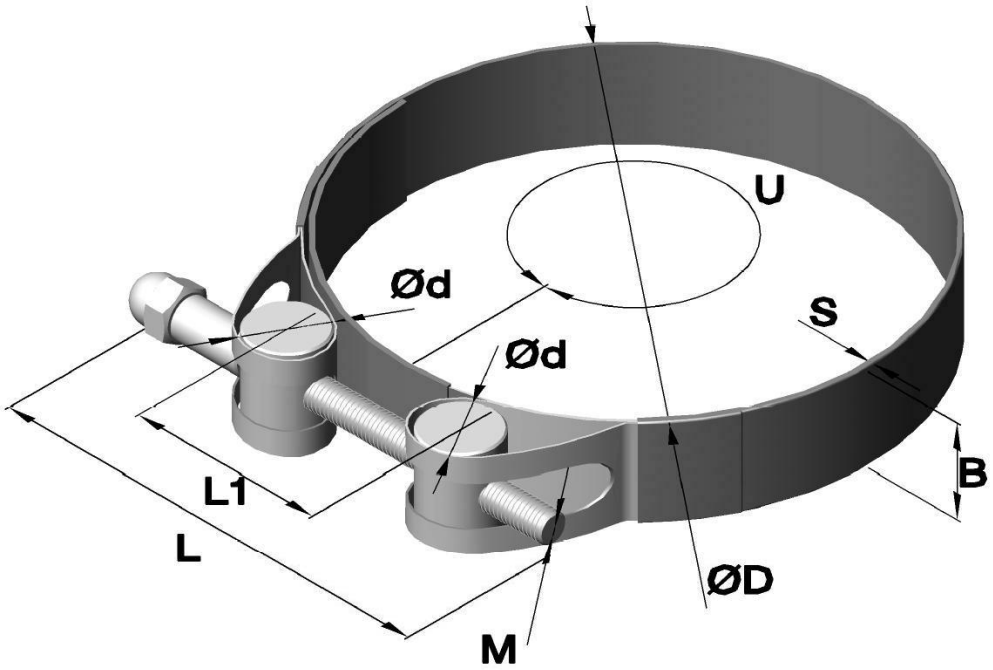
Tension bands and hose clamps

Hinge bolt tension band „Series 1801“ with plastic rubber profile

Combination-example:

- band 30x0,4mm with rubber profile
- bolt Ø20x30mm 1730.QB.30/M8
- threaded rod M8x120mm



Standard dimensions in accordance with DN (Diameter Nominal)

Article no.				Dimensions in mm						
Series	B Bandwidth	DN	Material Raw Stainless steel	Ø D	U	d	L	L1	M	S Thickness
1830.	DN 100.	30		Ø 114,3	359	20	120	50	M8	0,4
1830.	DN 125.	30		Ø 139,7	439	20	120	50	M8	0,4
1830.	DN 150.	30		Ø 168,3	529	20	120	50	M8	0,4
1830.	DN 200.	30		Ø 219,1	688	20	120	50	M8	0,4
1830.	DN 250.	30		Ø 273,0	858	20	120	50	M8	0,4
1830.	DN 300.	30		Ø 323,9	1018	20	120	50	M8	0,4

Further combinations are possible

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Tension bands and hose clamps

Hinge bolt tension band „Series 1801“ with rubber profile

Order example:
Art.no. 18 30.361.30

- 18 — tension band series
- 30 — bandwidth
- 361 — scope
- 30 — stainless steel

Article no.				Dimensions in mm					
Series	B Band-width	U Scope in mm	Material Raw Stainless steel	Ø D	d	L	L1	M	S Thickness
18	20.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	100-160	30-50	M8/M10	0,4/1,0
18	25.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	120-160	30-50	M8/M10	0,4/1,0
18	30.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0
18	35.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0
18	40.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0
18	50.	from 315-untill ∞ (stepplesly)	.30	from Ø100- ∞	20	160	30-50	M8/M10	0,4/1,0

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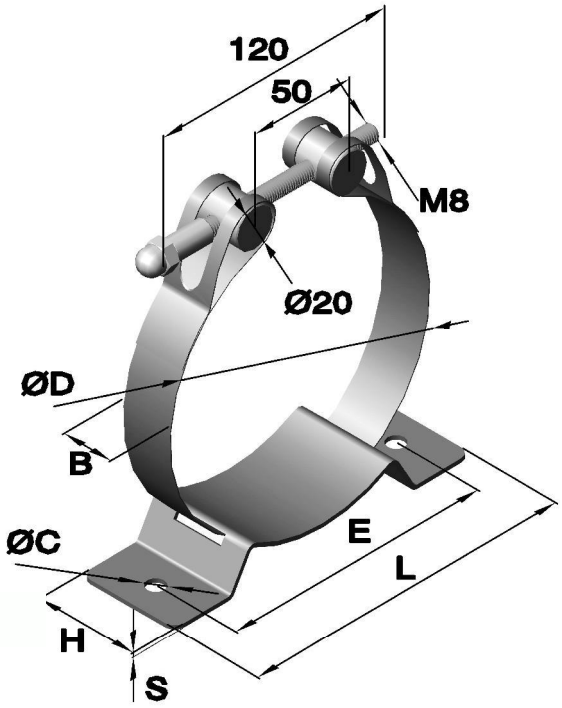
Tension bands and hose clamps

Hinge bolt tension band „Series 1901“type1
with console

Combination-example:

- band 25x0,4mm
- bolt Ø20x25mm
- threaded rod M8x120mm



Order example:
Art.no 19 25 100.30 / K130

- 19 – tension band series
- 25 – bandwidth
- 100 – scope
- .30 – stainless steel
- K130 – console (hole space “E”)

Article no.					Dimensions in mm					
Series	B Bandwidth	Ø D	Material Stainless steel	Material Console/ Type	Ø C	E	H	L	S	Band
19	20.	from Ø100-untill ∞ (stepplesly)	.30	/K130/1	9	130	50	160	2	20x0,4
19	25.	from Ø100-untill ∞ (stepplesly)	.30	/K130/1	9	130	50	160	2	25x0,4
19	20.	from Ø150-untill ∞ (stepplesly)	.30	/K170/1	9	170	50	200	2	20x0,4
19	25.	from Ø150-untill ∞ (stepplesly)	.30	/K170/1	9	170	50	200	2	25x0,4
19	20.	from Ø200-untill ∞ (stepplesly)	.30	/K220/1	9	220	50	250	2	20x0,4
19	25.	from Ø200-untill ∞ (stepplesly)	.30	/K220/1	9	220	50	250	2	25x0,4

Standard dimensions in accordance with DN (Diameter Nominal)

Article no.				Dimensions in mm							
Series	B Bandwidth	DN	Material Raw Stainless steel	Ø D	U	E Console	d	L	L1	M	Band
1925.	DN 100.	30/01		Ø 114,3	359	130	20	120	50	M8	25x0,4
1925.	DN 125.	30/01		Ø 139,7	439	130	20	120	50	M8	25x0,4
1925.	DN 150.	30/01		Ø 168,3	529	170	20	120	50	M8	25x0,4
1925.	DN 200.	30/01		Ø 219,1	688	170	20	120	50	M8	25x0,4
1925.	DN 250.	30/01		Ø 273,0	858	220	20	120	50	M8	25x0,4
1925.	DN 300.	30/01		Ø 323,9	1018	220	20	120	50	M8	25x0,4

Further combinations are possible

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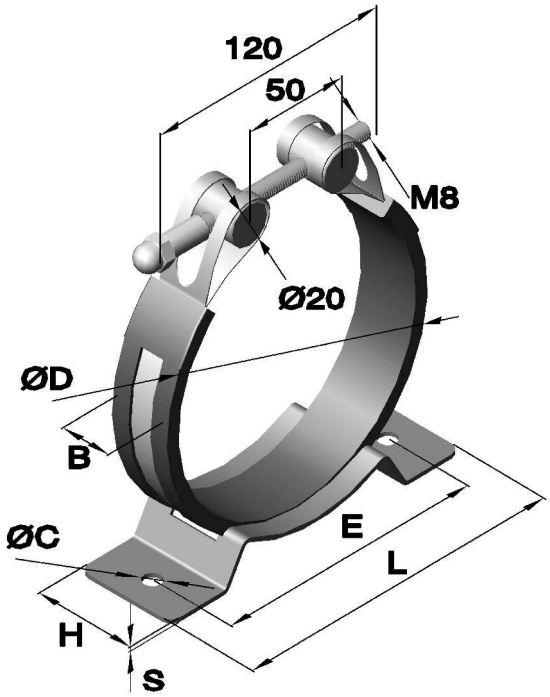
Tension bands and hose clamps

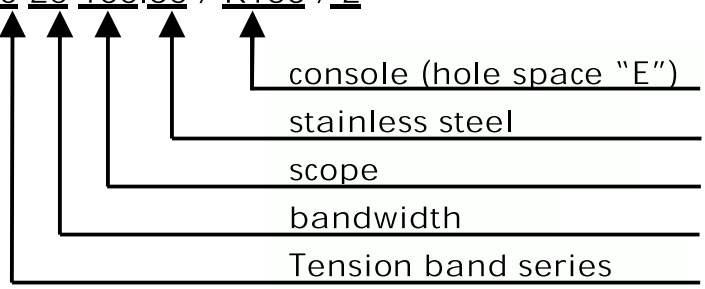
Hinge bolt tension band „Series 1901“type 2
with console and C-rubber profile

Combination-example:

- band 25x0,4mm
- bolt Ø20x25mm 1725.QB.30/M8
- threaded rod M8x120mm



Order example:
Art.no 19 25 100.30 / K130 / 2



Article no.					Dimensions in mm					
Series	B Bandwidth	Ø D	Material		Ø C	E	H	L	S	Band
			Stainless steel	Console/Type						
19	25.	from Ø100-untill ∞ (stepplesly)	.30	/K130/2	9	130	50	160	2	25x0,4
19	25.	from Ø150-untill ∞ (stepplesly)	.30	/K170/2	9	170	50	200	2	25x0,4
19	25.	from Ø200-untill ∞ (stepplesly)	.30	/K220/2	9	220	50	250	2	25x0,4

Standard dimensions in accordance with DN (Diameter Nominal)

Article no.				Dimensions in mm							
Series	B Bandwidth	DN	Material Raw Stainless steel	Ø D	U	E Console	d	L	L1	M	Band
1925.	DN 100.	30/02		Ø 114,3	359	130	20	120	50	M8	25x0,4
1925.	DN 125.	30/02		Ø 139,7	439	130	20	120	50	M8	25x0,4
1925.	DN 150.	30/02		Ø 168,3	529	170	20	120	50	M8	25x0,4
1925.	DN 200.	30/02		Ø 219,1	688	170	20	120	50	M8	25x0,4
1925.	DN 250.	30/02		Ø 273,0	858	220	20	120	50	M8	25x0,4
1925.	DN 300.	30/02		Ø 323,9	1018	220	20	120	50	M8	25x0,4

Further combinations are possible

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Tension bands and hose clamps

Tension band „Special construction "

Tension band „Series 1301"

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Tension bands and hose clamps

Tension band „Series 1201" with spring
with offset for spiral hose

Tension band „Series 1201"
without spring

Hose clamps „Series 1501"
with console and C-rubber profile e.g. for hose clamps according to customer requirements

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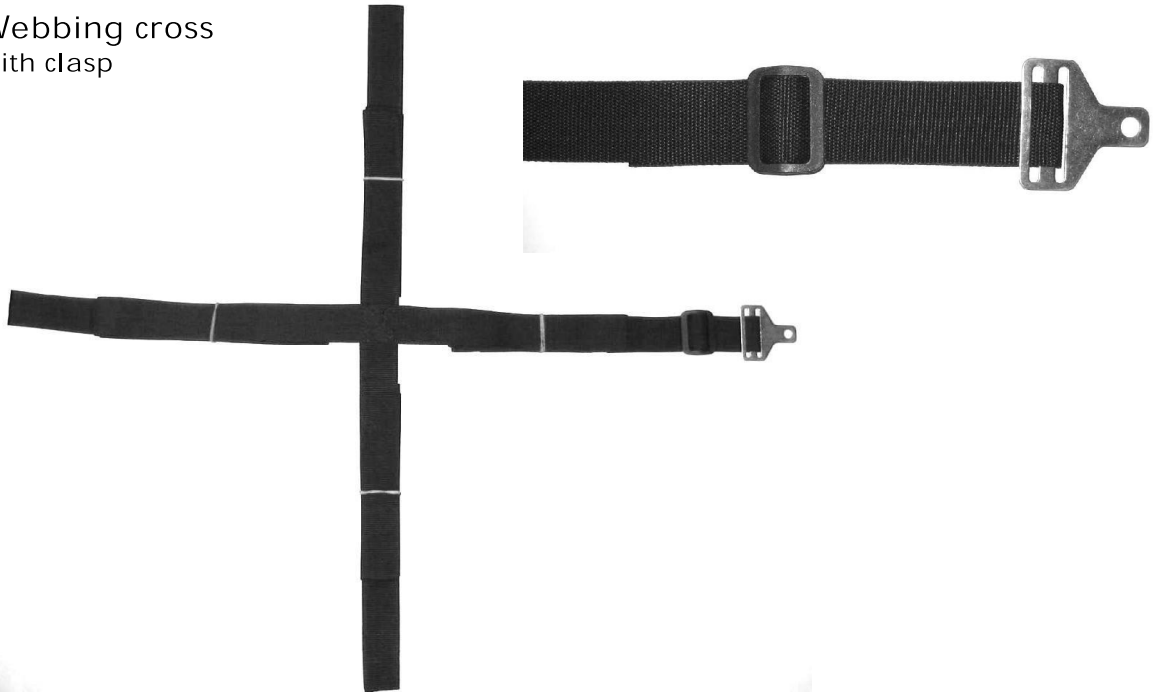
Tension bands and hose clamps

Further combinations are possible

Webbings

Webbing cross
with clasp



Webbing
with latch with R-Pin

Webbing
with clasp

Further combinations are possible

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„BAND-IT“

Tension bands and Cable ties

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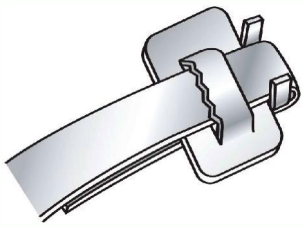
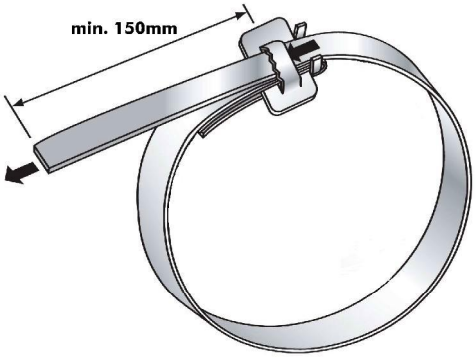
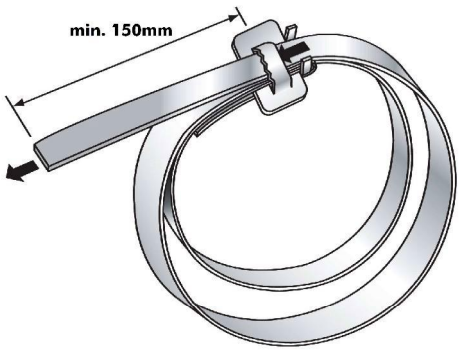
„BAND-IT"
Tension bands and Cable ties

Tension band „Series 1101"
„BAND-FAST" pre-cut and assembled
with „VALU-CLIP"

Material and surface finish:
Raw, stainless steel (V2A)

Article no.			Dimensions in mm					Package quantity
Series	Execution	Material Stainless steel V2A	Width	Thickness	Length	Maximum Diameter Single Wrap	Maximum Diameter Double Wrap	
1101	.L 20499	.30	6.4	0.51	400	88	38	100/St.
1101	.L 20799	.30	6.4	0.51	480	127	63	100/St.
1101	.L 20899	.30	6.4	0.51	680	177	88	100/St.
1101	.L 21099	.30	6.4	0.51	860	228	114	100/St.
1101	.L 22199	.30	9.6	0.64	400	88	38	100/St.
1101	.L 22999	.30	9.6	0.64	1120	305	152	25/St.
1101	.L 24299	.30	12.7	0.76	450	102	50	100/St.
1101	.L 24699	.30	12.7	0.76	780	203	101	25/St.
1101	.L 26399	.30	15.9	0.76	530	127	63	100/St.
1101	.L 27199	.30	15.9	0.76	1420	406	203	25/St.
1101	.L 27399	.30	15.9	0.76	1930	508	175	25/St.
1101	.L 28499	.30	19.1	0.76	600	152	76	50/St.
1101	.L 28899	.30	19.1	0.76	930	254	127	25/St.
1101	.L 29099	.30	19.1	0.76	1270	355	177	25/St.
1101	.L 29299	.30	19.1	0.76	1570	457	228	25/St.

By greater dimensions we recommend our endless belt with loose catches.

Situation as of delivery	Single Wrap for lubricated surfaces	Double Wrap for non-lubricated surfaces
		

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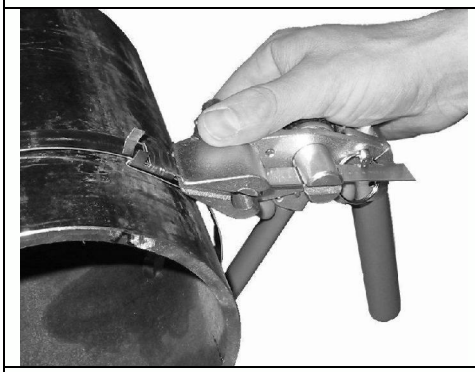
„BAND-IT"
Spannbänder und Kabelbinder

Clamping tools for „Series 1101"		
Art. no.: C 00189	Art. no.: C 00369	Art. no.: C 07569 „Bantam"
Art. no.: C 40099 „ratchet"	Art. no.: C 08599 „Bantam-ratchet"	Art. no.: J 02069 max. width up to 9.6 mm

How to use it Art. no.: C 07569 „Bantam"		
		
1. Pull the band through the catch 2. Insert in the tool	3. Tense it with the ratchet	4. Nod it in the opposite direction 5. Cut off 6. Clamp

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„BAND-IT"
Tension bands and Cable ties

Endless belt „Series 1101"
„VALUSTRAP" for loose „VALU-CLIPS"

Material and surface finish:
Raw stainless steel (V2A)

Article no.		Dimensions in mm			Package quantity in m/roll
Series	Execution	Material Raw V2A	Width	Thickness	
1101	.C 13199	.30	4.8	0.38	30.5 m
1101	.C 13399	.30	9.6	0.38	30.5 m
1101	.C 13499	.30	12.7	0.38	30.5 m
1101	.C 13599	.30	15.9	0.38	30.5 m
1101	.C 13699	.30	19.1	0.38	30.5 m
1101	.C 19199	.30	9.6	0.51	30.5 m
1101	.C 18189	.30	12.7	0.51	30.5 m
1101	.C 17199	.30	15.9	0.51	30.5 m
1101	.C 16189	.30	19.1	0.51	30.5 m
1101	.C 19399	.30	9.6	0.51	61 m
1101	.C 18389	.30	12.7	0.51	61 m
1101	.C 17399	.30	15.9	0.51	61 m
1101	.C 16389	.30	19.1	0.51	61 m
1101	.C 14499	.30	12.7	0.64	30.5 m
1101	.C 14599	.30	15.9	0.64	30.5 m
1101	.C 14699	.30	19.1	0.64	30.5 m
1101	.C 14899	.30	12.7	0.64	61 m
1101	.C 14999	.30	15.9	0.64	61 m
1101	.C 15099	.30	19.1	0.64	61 m
1101	.C 92399	.30	9.6	0.63	30.5 m
1101	.C 92499	.30	12.7	0.76	30.5 m
1101	.C 92599	.30	15.9	0.76	30.5 m
1101	.C 92699	.30	19.1	0.76	30.5 m

Loose Lock-Clips „Series 1101"
„VALU-CLIPS" for endless belts

Material and surface finish:
Raw stainless steel (1.4301)

Article no.			Dimensions in mm		Package quantity
Series	Execution	Material Raw V2A	Width	Thickness	
1101	.C 15199	.30	4.8	0.8	100/St.
1101	.C 15399	.30	9.6	0.8	100/St.
1101	.C 15499	.30	12.7	0.8	100/St.
1101	.C 15599	.30	15.9	0.8	100/St.
1101	.C 15699	.30	19.1	0.8	100/St.
1101	.C 25299	.30	6.4	1.0	100/St.
1101	.L 15399	.30	9.6	1.0	100/St.

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„BAND-IT"
Spannbänder und Kabelbinder

1101	.L 15499	.30	12.7	1.0	100/St.
1101	.L 15599	.30	15.9	1.0	100/St.
1101	.L 15699	.30	19.1	1.0	100/St.

Endless belt „Series 1101"
„VALUSTRAP" for loose „VALU-CLIPS"

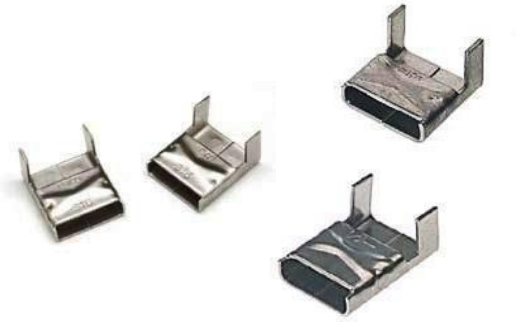
Material and surface finish:
Raw stainless steel (V4A)

Article no.			Dimensions in mm		Package quantity in m/roll
Series	Execution	Material Raw V4A	Width	Thickness	
1101	.C 40299	.35	6,4	0,51	30,5m
1101	.C 40399	.35	9,6	0,64	30,5m
1101	.C 403 Y 9	.35	9,6	0,64	30,5m with yellow bracket
1101	.C 40499	.35	12,7	0,76	30,5m
1101	.C 404 B 9	.35	12,7	0,76	30,5m with blue bracket
1101	.C 40599	.35	15,9	0,76	30,5m
1101	.C 405 G 9	.35	15,9	0,76	30,5m with green bracket
1101	.C 40699	.35	19,1	0,76	30,5m
1101	.C 406 R 9	.35	19,1	0,76	30,5m with red bracket
1101	.C 44499	.35	12,7	0,38	61m
1101	.C 444 B 9	.35	12,7	0,38	61m with blue bracket
1101	.C 44599	.35	15,9	0,38	61m
1101	.C 445 G 9	.35	15,9	0,38	61m with green bracket
1101	.C 44699	.35	19,1	0,38	61m
1101	.C 446 R 9	.35	19,1	0,38	61m with red bracket

Loose Lock-Clips „Series 1101"
„VALU-CLIPS" for endless belts

Material and surface finish:
Raw stainless steel (V4A)

Article no.			Dimensions in mm		Package quantity
Series	Execution	Material raw V4A	Width	Thickness	
1101	.AE4529	.35	6,4	1,0	100/St.
1101	.AE4539	.35	9,6	1,0	100/St.
1101	.AE4549	.35	12,7	1,0	100/St.
1101	.AE4559	.35	15,9	1,0	100/St.
1101	.AE4569	.35	19,1	1,0	100/St.



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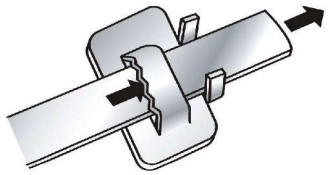
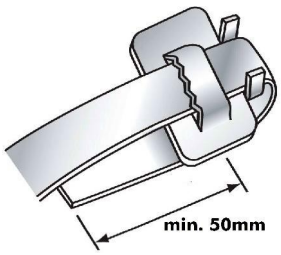
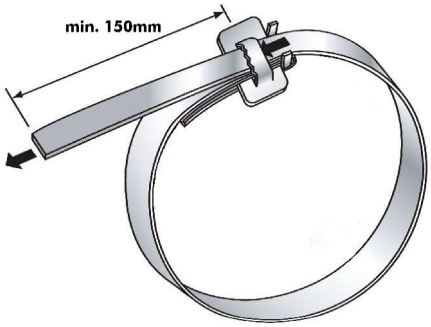
„BAND-IT"

Tension bands and Cable ties

Push the band through the catch	Bend it down	Push the band through the catch Single wrap
		

Clamping tools for „Series 1101"		
Art. no.: C 00189	Art. no.: C 00369	Art. no.: C 07569 „Bantam"
Art. no.: C 40099 „Ratchet"	Art. no.: C 08599 „Bantam-Ratchet"	Art. no.: J 02069 max. width bis 9.6 mm

How to use it Art. no.: C 07569 „Bantam"

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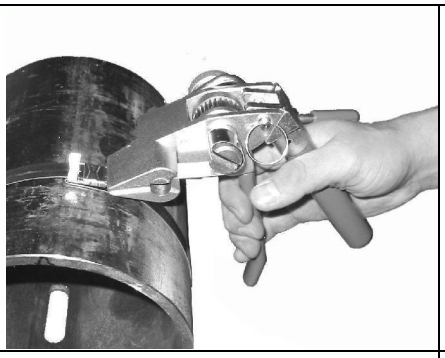
„BAND-IT"

Spannbänder und Kabelbinder

		
1. Pull the band through the catch 2. Insert in the tool	3. Tense it with the ratchet	4. Nod it in the opposite direction 5. Cut it off 6. Clamp it

Tension band „Series 1102"
„BAND-FAST" pre-cut with
assembled „EAR-LOK loop"

Material and surface finish:
Raw stainless steel (V2A)

Article no.			Dimensions in mm					Package quantity
Series	Execution	Material Raw V2A	Width	Thickness	Length	Maximum Diameter Single Wrap	Maximum Diameter Double Wrap	
1102	.A 0830-020	.30	12.7	0.76	510	102	51	25/St
1102	.A 0830-024	.30	12.7	0.76	610	127	64	25/St
1102	.A 0830-027	.30	12.7	0.76	690	152	76	25/St
1102	.A 0830-034	.30	12.7	0.76	860	203	102	25/St
1102	.A 0830-041	.30	12.7	0.76	1040	254	127	25/St
1102	.A 0830-048	.30	12.7	0.76	1220	305	152	25/St
1102	.A 0830-055	.30	12.7	0.76	1400	356	178	25/St
1102	.A 0830-069	.30	12.7	0.76	1750	457	229	25/St
1102	.A 0830-076	.30	12.7	0.76	1930	508	254	15/St
1102	.A 0830-090	.30	12.7	0.76	2290	610	305	15/St
1102	.A 1230-020	.30	19.1	0.76	510	102	51	25/St
1102	.A 1230-024	.30	19.1	0.76	610	127	64	25/St
1102	.A 1230-027	.30	19.1	0.76	690	152	76	25/St
1102	.A 1230-034	.30	19.1	0.76	860	203	102	25/St
1102	.A 1230-041	.30	19.1	0.76	1040	254	127	25/St
1102	.A 1230-048	.30	19.1	0.76	1220	305	152	25/St
1102	.A 1230-055	.30	19.1	0.76	1400	356	178	25/St
1102	.A 1230-069	.30	19.1	0.76	1750	457	229	25/St
1102	.A 1230-076	.30	19.1	0.76	1930	508	254	15/St
1102	.A 1230-090	.30	19.1	0.76	2290	610	305	15/St

By greater dimensions we recommend our endless belts with loose catches.

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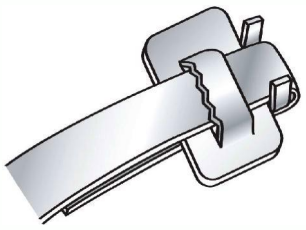
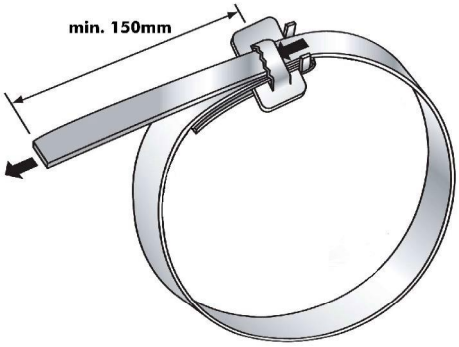
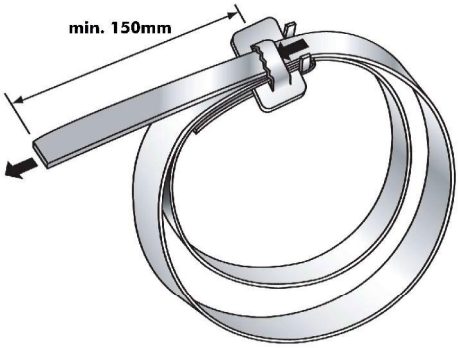
„BAND-IT“
Tension bands and Cable ties

Situation as of delivery	Single Wrap for lubricated surfaces	Double Wrap for non-lubricated surfaces
		

Clamping tools for „Series 1102“	
Art. no.: C 00189	Art. no.: C 00369
Art. no.: C 40099	Art. no.: C 08599 „Bantam-Ratchet“

How to use it Art. no.: C 00189

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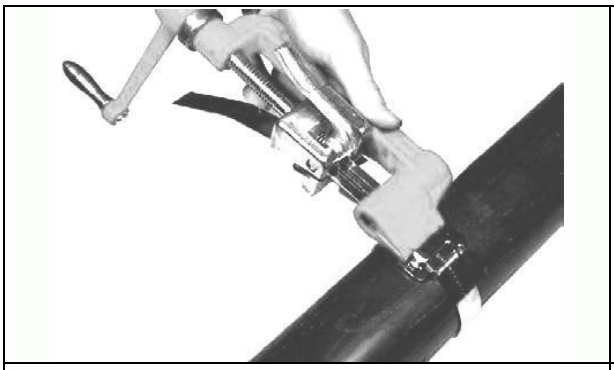
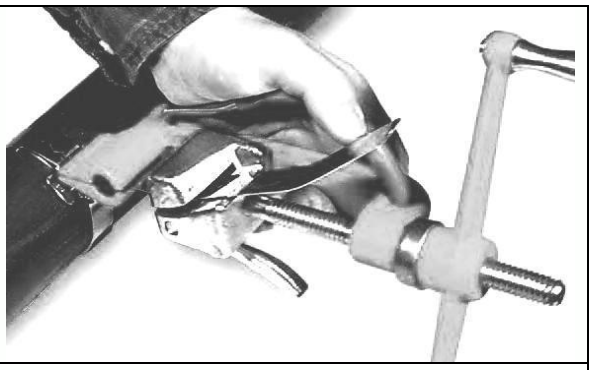
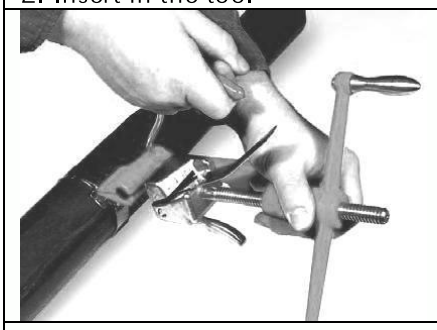
„BAND-IT"
Spannbänder und Kabelbinder



1. Pull the band through the catch
2. Insert in the tool



3. Tense it with the ratchet



3. Nod it in the opposite direction
4. Cut it off

5. Clamp it

Endless belt „Series 1102"
„BAND-IT Band" for loose „EAR-LOK loop"

Material and surface finish:
Raw stainless steel (V2A)

Article no.			Dimensions in mm		Package quantity in m/roll
Series	Execution	Material Raw V2A	Width	Thickness	
1102	.C 20229	.30	6.4	0.51	30.5 m
1102	.C 20399	.30	9.6	0.64	30.5 m
1102	.C 203Y9	.30	9.6	0.64	30.5 m with yellow bracket
1102	.C 20499	.30	12.7	0.76	30.5 m
1102	.C 204B9	.30	12.7	0.76	30.5 m with blue bracket
1102	.C 20599	.30	15.9	0.76	30.5 m
1102	.C 205G9	.30	15.9	0.76	30.5 m with green bracket
1102	.C 20699	.30	19.1	0.76	30.5 m
1102	.C 206R9	.30	19.1	0.76	30.5 m with red bracket
1102	.G 43099	.30	19.1	1.1	30.5 m
1102	.G 43199	.30	25.4	1.1	30.5 m
1102	.G 43299	.30	31.8	1.1	30.5 m

Loose catching-loop „Series 1102"
„EAR-LOK loop" for endless belts

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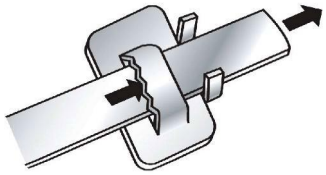
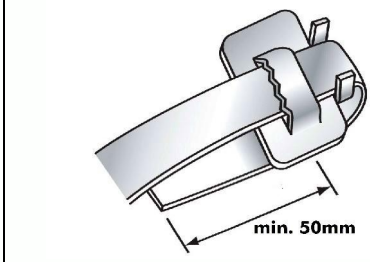
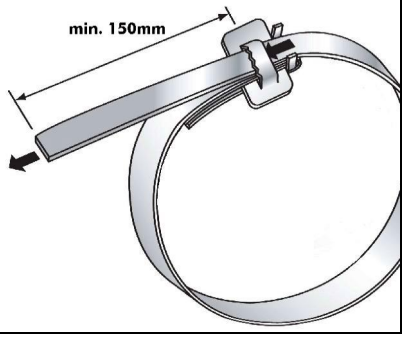
„BAND-IT"

Tension bands and Cable ties

Material and surface finish:
Raw stainless steel (V2A)

Article no.			Dimensions in mm		Package quantity
Series	Execution	Material Raw V2A	Width	Thickness	
1102	.C 25299	.30	6.4	1.3	100/St.
1102	.C 25399	.30	9.6	1.3	100/St.
1102	.C 25499	.30	12.7	1.3	100/St.
1102	.C 25599	.30	15.9	1.3	100/St.
1102	.C 25699	.30	19.1	1.3	100/St.
1102	.G 44099	.30	19.1	2.3	25/St.
1102	.G 44199	.30	25.4	2.3	25/St.
1102	.G 44299	.30	31.8	2.3	25/St.

Push the band through the catch	Bend it down	Push the band through the catch Single wrap
		

Endless belt „Series 1102"
„BAND-IT Band" for loose „EAR-LOK loop"

Material and surface finish:
Raw stainless steel (V4A)

Article no.		Dimensions in mm			Package quantity in m/roll
Series	Execution	Material Raw V4A	Width	Thickness	
1102	.C 40299	.35	6,4	0,51	30,5m
1102	.C 40399	.35	9,6	0,64	30,5m
1102	.C 403 Y 9	.35	9,6	0,64	30,5m with yellow bracket
1102	.C 40499	.35	12,7	0,76	30,5m
1102	.C 404 B 9	.35	12,7	0,76	30,5m with blue bracket
1102	.C 40599	.35	15,9	0,76	30,5m
1102	.C 405 G 9	.35	15,9	0,76	30,5m with green bracket
1102	.C 40699	.35	19,1	0,76	30,5m
1102	.C 406 R 9	.35	19,1	0,76	30,5m with red bracket
1102	.C 44499	.35	12,7	0,38	61m
1102	.C 444 B 9	.35	12,7	0,38	61m with blue bracket
1102	.C 44599	.35	15,9	0,38	61m
1102	.C 445 G 9	.35	15,9	0,38	61m with green bracket
1102	.C 44699	.35	19,1	0,38	61m
1102	.C 446 R 9	.35	19,1	0,38	61m with red bracket

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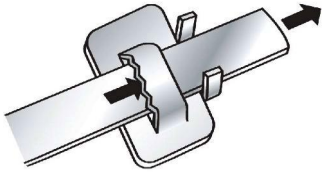
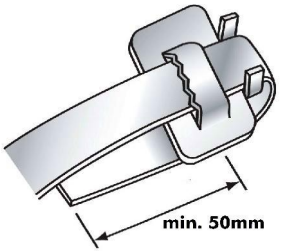
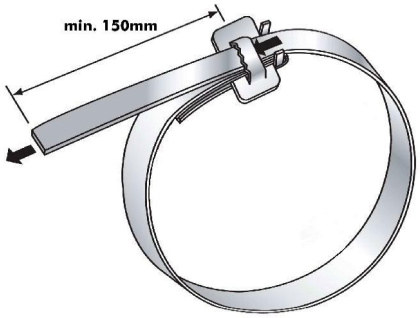
„BAND-IT"
Spannbänder und Kabelbinder

Loose catching-loop „Series 1102"
„EAR-LOK loop" for endless belts

Material and surface finish:
Raw stainless steel (V4A)

Article no..			Dimensions in mm		Package quantity
Series	Execution	Material Raw V4A	Width	Thickness	
1102	.C 45299	.35	6,4	1,3	100/St.
1102	.C 45399	.35	9,6	1,3	100/St.
1102	.C 45499	.35	12,7	1,3	100/St.
1102	.C 45599	.35	15,9	1,3	100/St.
1102	.C 55699	.35	19,1	1,3	100/St.

Push the band through the catch	Bend it down	Push the band through the catch Single wrap
		

Clamping tools for „Series 1102"		
Art. no.: C 00189 up to 19.1 mm width	Art. no.: C 00369 up to 19.1 mm width	Art. no.: C 40099 up to 19.1 mm width
Art. no.: C08599 „Bantam-Ratchet" up to 19.1 mm width		Art. no.: G40299 from 19.1mm width

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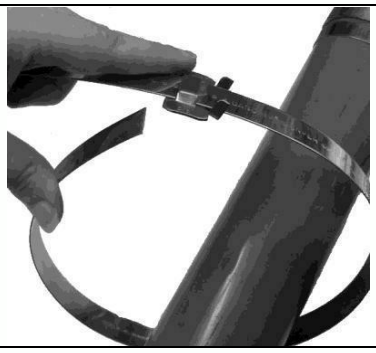
„BAND-IT"

Tension bands and Cable ties

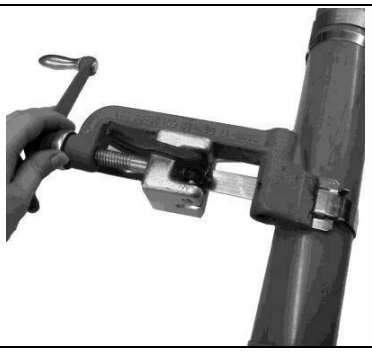
How to use it

Art. no.: C 00189

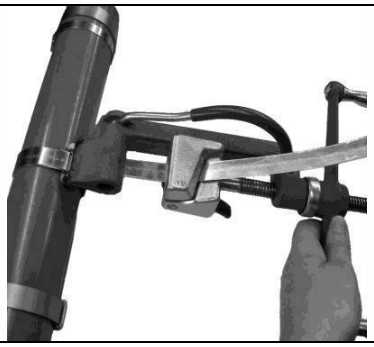


1. Pull the band through the catch

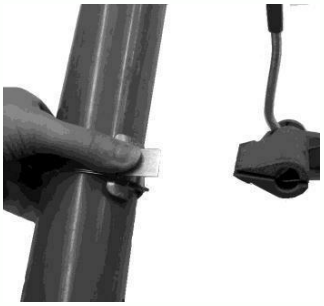
2. Nod it ca. 50 mm down



3. Insert it in the tool, turn it with a pivot lever



4. Nod it in the opposite direction and cut it

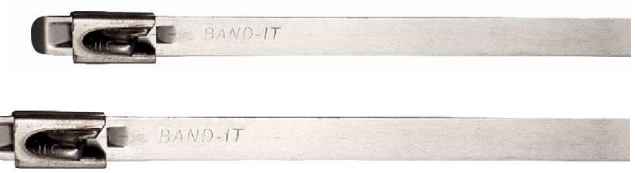


5. Hold it

6. Jam it

Self-closing band „Series 1103"
„BALL-LOK" stainless steel cable ties
cut according to length

Material and surface finish:
Raw stainless steel (V2A)
Raw Stainless steel (V4A)



Article no.			Dimensions in mm				Package quantity
Series	Execution	Material Raw	Width	Thickness	Length	Max. diameter	

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„BAND-IT"

Spannbänder und Kabelbinder

		V2A	V4A					
1103	.KE 1128	.30	-	4.6	0.25	201	50	100/St.
1103	.KE 1138	.30	-	4.6	0.25	259	69	100/St.
1103	.KE 1148	.30	-	4.6	0.25	360	102	100/St.
1103	.KE 1158	.30	-	4.6	0.25	520	152	100/St.
1103	.KE 1168	.30	-	4.6	0.25	679	203	100/St.
1103	.KE 1178	.30	-	4.6	0.25	838	254	100/St.
1103	.KE 1188	.30	-	4.6	0.25	1067	305	100/St.
1103	.KE 0128	-	.35	4.6	0.25	201	50	100/St.
1103	.KE 0138	-	.35	4.6	0.25	259	69	100/St.
1103	.KE 0148	-	.35	4.6	0.25	360	102	100/St.
1103	.KE 0158	-	.35	4.6	0.25	520	152	100/St.
1103	.KE 0168	-	.35	4.6	0.25	679	203	100/St.
1103	.KE 0178	-	.35	4.6	0.25	838	254	100/St.
1103	.KE 0188	-	.35	4.6	0.25	1067	305	100/St.
1103	.KE 1328	.30	-	7.9	0.25	201	50	100/St.
1103	.KE 1338	.30	-	7.9	0.25	259	69	100/St.
1103	.KE 1348	.30	-	7.9	0.25	360	102	100/St.
1103	.KE 1358	.30	-	7.9	0.25	520	152	100/St.
1103	.KE 1368	.30	-	7.9	0.25	679	203	100/St.
1103	.KE 1378	.30	-	7.9	0.25	838	254	100/St.
1103	.KE 1388	.30	-	7.9	0.25	1067	305	100/St.
1103	.KE 0328	-	.35	7.9	0.25	201	50	100/St.
1103	.KE 0338	-	.35	7.9	0.25	259	69	100/St.
1103	.KE 0348	-	.35	7.9	0.25	360	102	100/St.
1103	.KE 0358	-	.35	7.9	0.25	520	152	100/St.
1103	.KE 0368	-	.35	7.9	0.25	679	203	100/St.
1103	.KE 0378	-	.35	7.9	0.25	838	254	100/St.
1103	.KE 0388	-	.35	7.9	0.25	1067	305	100/St.

By greater dimensions we recommend our endless belts with loose catches.

Tension band „Series 1103" may be used without a tool.

Self closing band „Series 1103"
„BALL-LOK" stainless steel cable ties
cut according to length, coated

Material and surface finish:
Plastic coated stainless steel (V2A)

Article no.			Dimensions in mm				Package quantity
Series	Execution	Material / Coating	Width	Thickness	Length	Max. diameter	

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„BAND-IT"

Tension bands and Cable ties

		V2A					
1103	.KE 0228	.37	4.6	0.25	201	50	100/St.
1103	.KE 0238	.37	4.6	0.25	259	69	100/St.
1103	.KE 0248	.37	4.6	0.25	360	102	100/St.
1103	.KE 0258	.37	4.6	0.25	520	152	100/St.
1103	.KE 0268	.37	4.6	0.25	679	203	100/St.
1103	.KE 0278	.37	4.6	0.25	838	254	100/St.
1103	.KE 0428	.37	7.9	0.25	201	50	100/St.
1103	.KE 0438	.37	7.9	0.25	259	69	100/St.
1103	.KE 0448	.37	7.9	0.25	360	102	100/St.
1103	.KE 0458	.37	7.9	0.25	520	152	100/St.
1103	.KE 0468	.37	7.9	0.25	679	203	100/St.
1103	.KE 0478	.37	7.9	0.25	838	254	100/St.

By greater dimensions we recommend our endless belts with loose catches.

Tension band „Series 1103" may be used without a tool.

Clamping tools for „Series 1103"		
Art. no.: K 50289 Adjustable tensile strength, tenses and cuts automatically	Art. no.: KE 9229 Tension tool with pivot lever	Art. no.: AE 2009

Endless belt „Series 1103"
for loose „BALL-LOK" catches

Material and surface finish:
Raw stainless steel (V2A)
Raw Stainless steel (V4A)

Article no.			Dimensions in mm		Package quantity in m/roll
Series	Execution	Material Raw	Width	Thickness	

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„BAND-IT"
Spannbänder und Kabelbinder

		V2A	V4A			
1103	.CE 3569	.30	-	4.6	0.25	100m
1103	.CE 2569	-	.35	4.6	0.25	100m
1103	.CE 1569	.30	-	7.9	0.25	100m
1103	.CE 4569	-	.35	7.9	0.25	100m

Loose catch „Series 1103"
„BALL-LOK" catch for endless belts

Material and surface finish:
Raw stainless steel (V2A)
Raw Stainless steel (V4A)

Article no.			Dimensions in mm	Package quantity
Series	Execution	Material		
		Raw	Width	
		V4A		
1103	.CB 2569	.35	4.6	100/St.
1103	.CB 1569	.35	7.9	100/St.

Tension band „Series 1103" may be used without a tool.

Clamping tools for „Series 1103"		
Art. no.: C 00189 Adjustable tensile strength, tenses and cuts automatically	Art. no.: KE 9229 Tension tool with pivot lever	Art. no.: AE 2009

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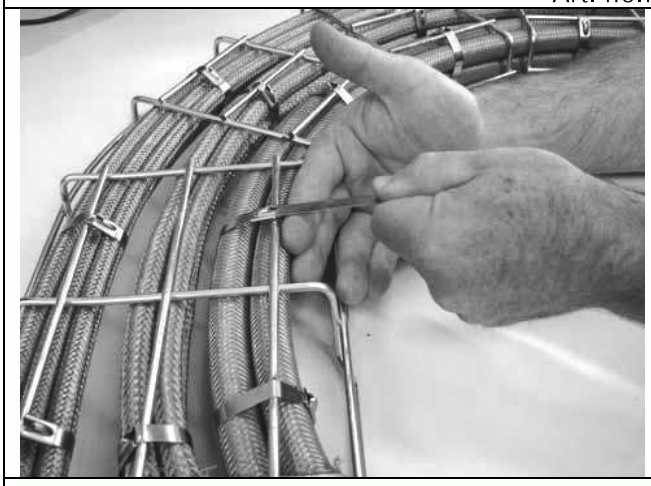
„BAND-IT"

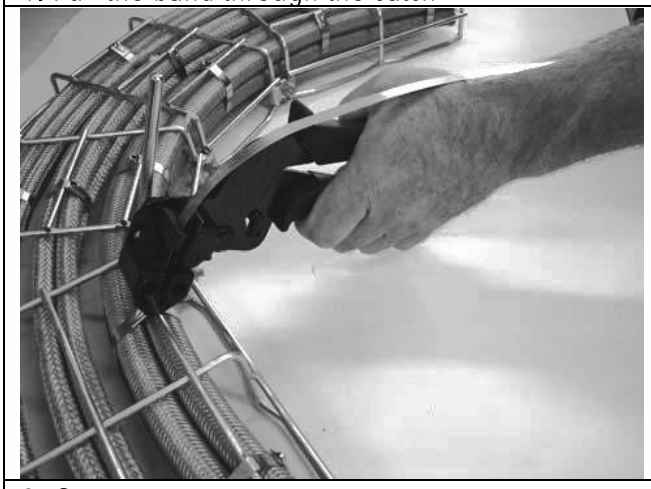
Tension bands and Cable ties

How to use it with trimming lever
Art. no.: KE 9229



1. Pull the band through the catch

2. Insert in tool



3. Clamp it

4. Cut it

Tension band „Series 1104"
„TIE-LOK" stainless steel cable ties

Material and surface finish:

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„BAND-IT“
Spannbänder und Kabelbinder

Raw stainless steel (V2A)
Raw Stainless steel (V4A)

Article no.				Dimensions in mm				Package quantity
Series	Execution	Material Raw V2A	Material Raw V4A	Width	Thickness	Length	Max. diameter	
1104	.AS 2219	.30	-	4.5	0.38			100/St.
1104	.AS 2229	.30	-	4.5	0.38			100/St.
1104	.AS 2239	.30	-	4.5	0.38			100/St.
1104	.AS 2249	.30	-	4.5	0.38			100/St.
1104	.AS 2259	.30	-	4.5	0.38			100/St.
1104	.AS 4219	-	35	4.5	0.38			100/St.
1104	.AS 4229	-	35	4.5	0.38			100/St.
1104	.AS 4239	-	35	4.5	0.38			100/St.
1104	.AS 4249	-	35	4.5	0.38			100/St.
1104	.AS 4259	-	35	4.5	0.38			100/St.
1104	.AS 2119	.30	-	6.4	0.38			100/St.
1104	.AS 2129	.30	-	6.4	0.38			100/St.
1104	.AS 2139	.30	-	6.4	0.38			100/St.
1104	.AS 2149	.30	-	6.4	0.38			100/St.
1104	.AS 2159	.30	-	6.4	0.38			100/St.
1104	.AS 4119	-	35	6.4	0.38			100/St.
1104	.AS 4129	-	35	6.4	0.38			100/St.
1104	.AS 4139	-	35	6.4	0.38			100/St.
1104	.AS 4149	-	35	6.4	0.38			100/St.
1104	.AS 4159	-	35	6.4	0.38			100/St.
1104	.AS 6219	.30	-	9.6	0.51			100/St.
1104	.AS 6229	.30	-	9.6	0.51			100/St.
1104	.AS 6239	.30	-	9.6	0.51			100/St.
1104	.AS 6249	.30	-	9.6	0.51			100/St.
1104	.AS 6259	.30	-	9.6	0.51			100/St.

Clamping tools for „Series 1104“		
Art. no.: TL 3800 for 9.6 mm width	Art. no.: A 92079 for 6.4 mm width Adjustable tensile strength,	Art. no.: A 91079 Mini for 4. 5 mm width Adjustable tensile strength,

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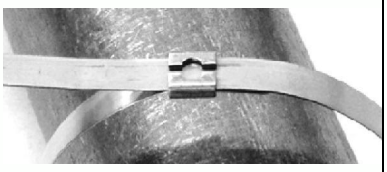
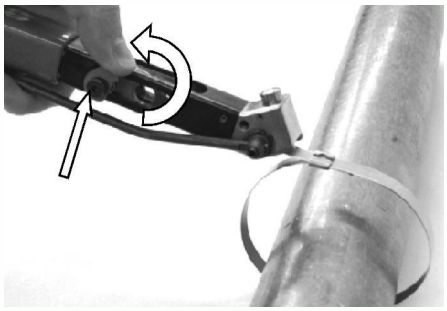
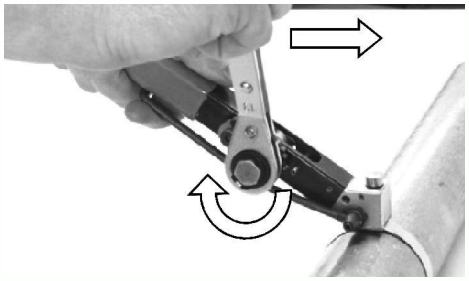
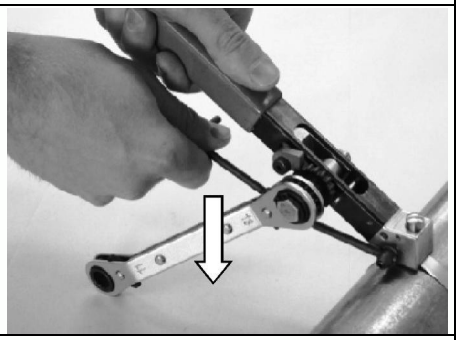
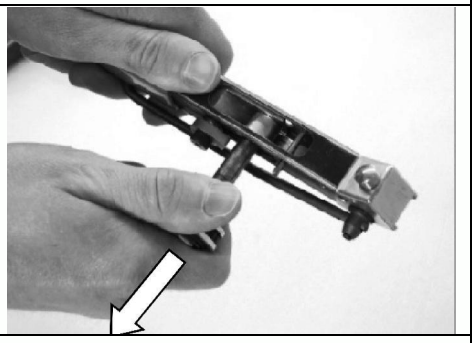
„BAND-IT"

Tension bands and Cable ties

	tenses and cuts automatically	tenses and cuts automatically

How to use it Art. no.: TL3800		
		
1. Pull the band at least 75 mm through the catch	2. Insert in the tool	3. Clamp it with a pivot lever
		
4. Jam the band with a hammer	5. Cut it	6. Take the rest off

Endless belt „Series 1105"
„BAND-IT Band" for loose „SCRU-LOKT loop"

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„BAND-IT"
Spannbänder und Kabelbinder

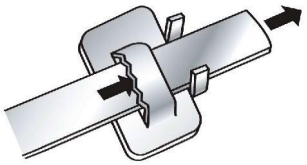
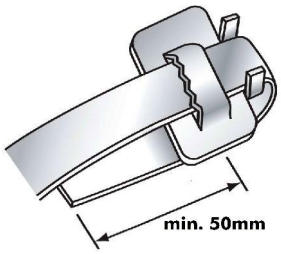
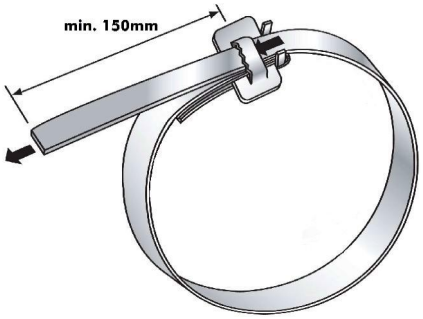
Material and surface finish:
Raw Stainless steel (V4A)

Article no.			Dimensions in mm		Package quantity in m/roll
Series	Execution	Material Raw V4A	Width	Thickness	
1105	.C 40299	.35	6.4	0.51	30.5 m
1105	.C 40399	.35	9.6	0.64	30.5 m
1105	.C 403 Y 9	.35	9.6	0.64	30.5 m with yellow bracket
1105	.C 40499	.35	12.7	0.76	30.5 m
1105	.C 404 B 9	.35	12.7	0.76	30.5 m with blue bracket
1105	.C 40599	.35	15.9	0.76	30.5 m
1105	.C 405 G 9	.35	15.9	0.76	30.5 m with green bracket
1105	.C 40699	.35	19.1	0.76	30.5 m
1105	.C 406 R 9	.35	19.1	0.76	30.5 m with red bracket
1105	.C 44499	.35	12.7	0.38	61 m
1105	.C 444 B 9	.35	12.7	0.38	61 m with blue bracket
1105	.C 44599	.35	15.9	0.38	61 m
1105	.C 445 G 9	.35	15.9	0.38	61 m with green bracket
1105	.C 44699	.35	19.1	0.38	61 m
1105	.C 446 R 9	.35	19.1	0.38	61 m with red bracket

Loose catches „Series 1105"
„SCRU-LOKT loop" for endless belts

Material and surface finish:
Raw stainless steel (V2A)

Article no.			Dimensions in mm	Package quantity
Series	Execution	Material Raw V2A	Width	
1105	.C 72099	.30	6.4	50/St.
1105	.C 72299	.30	9.6	50/St.
1105	.C 72499	.30	12.7	25/St.
1105	.C 72599	.30	15.9	25/St.
1105	.C 72699	.30	19.1	25/St.

Push the band through the catch	Bend it down	Push the band through the catch Single wrap
		

Clamping tools for „Series 1105"

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„BAND-IT"

Tension bands and Cable ties

Art. no.: C 00189	Art. no.: C 00369
Art. no.: C 40099	Art. no.: C 08599 „Bantam-Ratchet"

How to use it Art. no.: C 00189		
1. Pull the band through the catch	2. Nod it ca.50mm down	3. Insert it in the tool, turn it with a pivot lever
4. Cut it off		5. Clamp it

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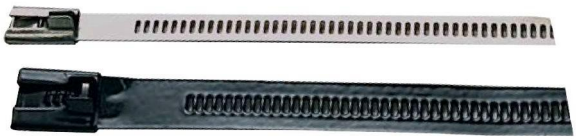
„BAND-IT"
Spannbänder und Kabelbinder

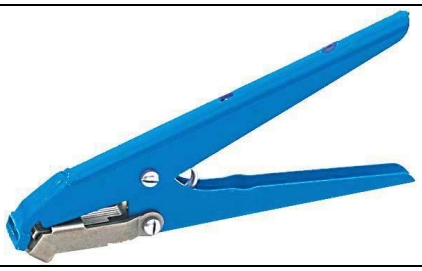
Self-closing band „Series 1106"
„MULTI-LOK" stainless steel cable ties

Material and surface finish:
Raw Stainless steel (V4A)
Coated stainless steel (V4A)



Article no.				Dimensions in mm				Package quantity
Series	Execution	Material		Width	Thickness	Length	Max. diameter	
		Raw	Coating					
		V4A	V4A					
1106	.AE 6019	.35	-	6.9	0.28	150	33	100/St.
1106	.AE 6029	.35	-	6.9	0.28	225	57	100/St.
1106	.AE 6039	.35	-	6.9	0.28	300	81	100/St.
1106	.AE 6049	.35	-	6.9	0.28	450	129	100/St.
1106	.AE 6059	.35	-	6.9	0.28	610	180	100/St.
1106	.AE 7019	.35	-	11.9	0.46	150	33	100/St.
1106	.AE 7029	.35	-	11.9	0.46	225	57	100/St.
1106	.AE 7039	.35	-	11.9	0.46	300	81	100/St.
1106	.AE 7049	.35	-	11.9	0.46	450	129	100/St.
1106	.AE 7059	.35	-	11.9	0.46	610	180	100/St.
1106	.AE 6119	-	.37	6.9	0.28	150	33	100/St.
1106	.AE 6129	-	.37	6.9	0.28	225	57	100/St.
1106	.AE 6139	-	.37	6.9	0.28	300	81	100/St.
1106	.AE 6149	-	.37	6.9	0.28	450	129	100/St.
1106	.AE 6159	-	.37	6.9	0.28	610	180	100/St.
1106	.AE 7119	-	.37	11.9	0.46	150	33	100/St.
1106	.AE 7129	-	.37	11.9	0.46	225	57	100/St.
1106	.AE 7139	-	.37	11.9	0.46	300	81	100/St.
1106	.AE 7149	-	.37	11.9	0.46	450	129	100/St.
1106	.AE 7159	-	.37	11.9	0.46	610	180	100/St.

Tension band „Series 1106" may be used without a tool.

Clamping tools for „Series 1106"		
Art. no.: M 50389 Adjustable tensile strength, tenses and cuts automatically	Art. no.: AE 2009	Art. no.: AE 2018
		

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Hose clips and Pipe clips

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Hose clips and Pipe clips

Materials and surface finishes:

W1 Zinc plated - completely made of coated steel, small requirement from the corrosion resistance.

W2 Stainless steel - band and housing (chrome-steel 1.4016), GALVANIZED screw. From small up to middle requirement from the corrosion resistance, but with warranty of solvability of corrosive connections.

W4 Stainless steel – complete chrome-nickel-steel 1.4301 (or similar steel). Also known as V2A. Great requirements from the corrosion resistance and design.

W5 completely made of chrome-nickel-molybdenum-steel 1.4571 (1.4401). Also known as V4A. W5 is seawater-resistant and heavily magnetizable. Great requirements from the corrosion resistance.

Art. no.	Designation	Function	Package content
7200000002	mounting plier	for front and side assembly of ear clamps	1

Art. no.	Designation	Function	Package content
1200070000	flexible screw driver SW 7	fixing of worm-drive clamps	1

Assortment boxes

Worm-drive clamps TI 9/TI 12

1-ear clamp or 2-ear clamp

Available on enquiry.

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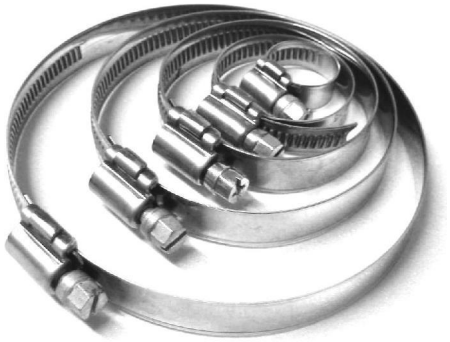
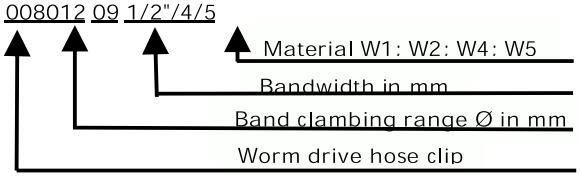
Hose clips
and pipe clips

Worm-drive clamps „TI 9"
with embossed band

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
100801209/	1	2	3	4	8-12	9	50
101001609/	1	2	4	5	10-16	9	50
101202009/	1	2	4	5	12-20	9	50
101202209/	1	2	4	5	12-22	9	50
101602709/	1	2	4	5	16-27	9	50
102003209/	1	2	4	5	20-32	9	50
102303509/	1	2	4	5	23-35	9	50
102504009/	1	2	4	5	25-40	9	50
103004509/	1	2	4	5	30-45	9	25
103205009/	1	2	4	5	32-50	9	25
104006009/	1	2	4	5	40-60	9	25
105007009/	1	2	4	5	50-70	9	25
106008009/	1	2	4	5	60-80	9	25
107009009/	1	2	4	5	70-90	9	25
108010009/	1	2	4	5	80-100	9	25
109011009/	1	2	4	5	90-110	9	25
110012009/	1	2	4	5	100-120	9	25
111013009/	1	2	4	5	110-130	9	25
112014009/	1	2	4	5	120-140	9	25
113015009/	1	2	4	5	130-150	9	25
114016009/	1	2	4	5	140-160	9	25
115017009/	1	2	4	5	150-170	9	25
116018009/	1	2	4	5	160-180	9	25
117019009/	1	2	4	5	170-190	9	25
118020009/	1	2	4	5	180-200	9	25
119021009/	1	2	4	5	190-210	9	25
120022009/	1	2	4	5	200-220	9	25
121023009/	1	2	4	5	210-230	9	25
122024009/	1	2	4	5	220-240	9	25
123025009/	1	2	4	5	230-250	9	25
124026009/	1	2	4	5	240-260	9	25
125027009/	1	2	4	5	250-270	9	25
126028009/	1	2	4	5	260-280	9	25
127029009/	1	2	4	5	270-290	9	25
128030009/	1	2	4	5	280-300	9	25
129031009/	1	2	4	5	290-310	9	25
130032009/	1	2	4	5	300-320	9	25



Order example:
Art.no. 1 008012 09 1/2"/4/5



By greater dimensions, we recommend our endless band (EB) with loose headers or our fastening clamp with folding housing (VF).

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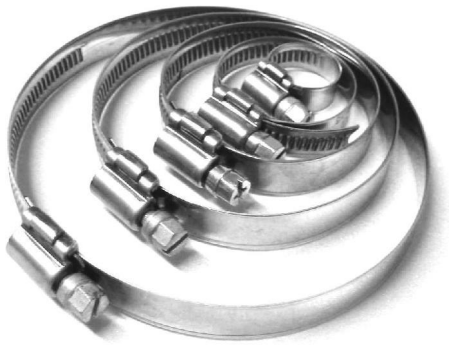
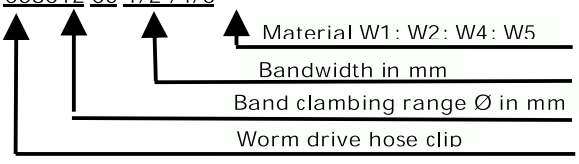
hose clips
and pipe clips

Worm-drive clamps „TI 12"
with embossed band

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
101602712/	1	2	4	5	16-27	12	50
102003212/	1	2	4	5	20-32	12	50
102303512/	1	2	4	5	23-35	12	50
102504012/	1	2	4	5	25-40	12	50
103004512/	1	2	4	5	30-45	12	50
103205012/	1	2	4	5	32-50	12	50
104006012/	1	2	4	5	40-60	12	25
105007012/	1	2	4	5	50-70	12	25
106008012/	1	2	4	5	60-80	12	25
107009012/	1	2	4	5	70-90	12	25
108010012/	1	2	4	5	80-100	12	25
109011012/	1	2	4	5	90-110	12	25
110012012/	1	2	4	5	100-120	12	25
111013012/	1	2	4	5	110-130	12	15
112014012/	1	2	4	5	120-140	12	15
113015012/	1	2	4	5	130-150	12	15
114016012/	1	2	4	5	140-160	12	15
115017012/	1	2	4	5	150-170	12	15
116018012/	1	2	4	5	160-180	12	15
117019012/	1	2	4	5	170-190	12	15
118020012/	1	2	4	5	180-200	12	15
119021012/	1	2	4	5	190-210	12	15
120022012/	1	2	4	5	200-220	12	15
121023012/	1	2	4	5	210-230	12	15
122024012/	1	2	4	5	220-240	12	15
123025012/	1	2	4	5	230-250	12	15
124026012/	1	2	4	5	240-260	12	15
125027012/	1	2	4	5	250-270	12	15
126028012/	1	2	4	5	260-280	12	15
127029012/	1	2	4	5	270-290	12	15
128030012/	1	2	4	5	280-300	12	15
129031012/	1	2	4	5	290-310	12	15
130032012/	1	2	4	5	300-320	12	15



Order example:
Art.no. 1 008012 09 1/2"/4/5



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Hose clips
and pipe clips

Worm-drive clamps „TI 8"
with punched-through band

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
100601608/	-	2	4	-	6-16	8	100
100701708/	-	2	4	-	7-17	8	100
100802208/	-	2	4	-	8-22	8	100
101002708/	-	2	4	-	10-27	8	100
101303808/	-	2	4	-	13-38	8	100
101904408/	-	2	4	-	19-44	8	100
102605108/	-	2	4	-	26-51	8	100
103205708/	-	2	4	-	32-57	8	100
103806308/	-	2	4	-	38-63	8	100
104507008/	-	2	4	-	45-70	8	100
105708208/	-	2	4	-	57-82	8	100
106408908/	-	2	4	-	64-89	8	100
117610208/	-	2	4	-	76-102	8	100

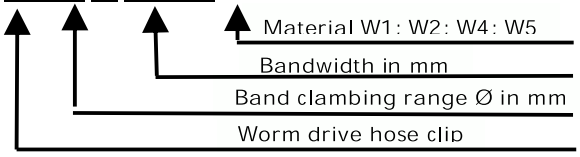
Worm-drive clamps „LF 5"
with punched-through band

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
100701105/	-	2	4	-	7-11	5	100
101001905/	-	2	4	-	10-19	5	100

Endless band with loose headers „EB 13"
with punched-through band

Art. no.	Material				Width in mm	Package content
	W1	W2	W4	W5		
121300003B	-	yes	-	-	13	Band 3 m / 6 heads
121300030B	-	yes	-	-	13	30 m
121300050K	-	yes	-	-	13	50 heads
141300003B	-	-	yes	-	13	Band 3 m / 6 heads
141300030B	-	-	yes	-	13	30 m
141300050K	-	-	yes	-	13	50 heads

Order example:
Art.no. 1 008012 09 1/2"/4/5



By greater dimensions, we recommend our endless band (EB) with loose headers or our fastening clamp with folding housing (VF).

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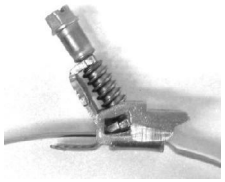
hose clips
and pipe clips

Fastening clamps „VF 9"
with embossed band

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
160080VF09/	-	2	4	-	60-80	9	100
160090VF09/	-	2	4	-	60-90	9	100
160110VF09/	-	2	4	-	60-110	9	100
160135VF09/	-	2	4	-	60-135	9	100
160145VF09/	-	2	4	-	60-145	9	100
160170VF09/	-	2	4	-	60-170	9	100
160215VF09/	-	2	4	-	60-215	9	100
160270VF09/	-	2	4	-	60-270	9	100
160325VF09/	-	2	4	-	60-325	9	100
160380VF09/	-	2	4	-	60-380	9	100
160425VF09/	-	2	4	-	60-425	9	100
160525VF09/	-	2	4	-	60-525	9	100
160660VF09/	-	2	4	-	60-660	9	100

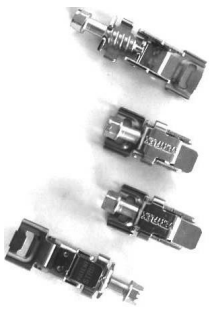


Fastening clamps „VF 12"
with embossed band

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
160080VF12/	-	2	-	-	60-80	12	100
160090VF12/	-	2	-	-	60-90	12	100
160110VF12/	-	2	-	-	60-110	12	100
160135VF12/	-	2	-	-	60-135	12	100
160145VF12/	-	2	-	-	60-145	12	100
160170VF12/	-	2	-	-	60-170	12	100
160215VF12/	-	2	-	-	60-215	12	100
160270VF12/	-	2	-	-	60-270	12	100
160325VF12/	-	2	-	-	60-325	12	100
160380VF12/	-	2	-	-	60-380	12	100
160425VF12/	-	2	-	-	60-425	12	100
160525VF12/	-	2	-	-	60-525	12	100
160660VF12/	-	2	-	-	60-660	12	100

Endless band „EB 9" with loose foldable headers „VF "
with embossed band

Art. no.	Material				Width in mm	Package content
	W1	W2	W4	W5		
110900003B	yes	-	-	-	9	3 m / 6 heads
120900030B	-	yes	-	-	9	30 m
110900050K	yes	-	-	-	9	50 heads
140900003B	-	-	yes	-	9	Band 3 m / 6 heads
140900030B	-	-	yes	-	9	30 m
140900050K	-	-	yes	-	9	50 heads



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Hose clips
and pipe clips

Hinge bolt clamps „GBS "
1-part

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
2_18101719	1	-	-	5	17-19	18	50
2_18102022	1	-	-	5	20-22	18	50
2_18102325	1	-	-	5	23-25	18	50
2_18102628	1	-	-	5	26-28	18	50
2_18102931	1	-	-	5	29-31	18	50
2_20103235	1	-	-	5	32-35	20	50
2_20103639	1	-	-	5	36-39	20	50
2_20104043	1	-	-	5	40-43	20	50
2_20104447	1	-	-	5	44-47	20	50
2_20104851	1	-	-	5	48-51	20	50
2_20105255	1	-	-	5	52-55	20	25
2_20105659	1	-	-	5	56-59	20	25
2_20106063	1	-	-	5	60-63	20	25
2_25106467	1	-	-	5	64-67	25	25
2_25106873	1	-	-	5	68-73	25	25
2_25107479	1	-	-	5	74-79	25	25
2_25108085	1	-	-	5	80-85	25	25
2_25108691	1	-	-	5	86-91	25	25
2_25109297	1	-	-	5	92-97	25	25
2_251098103	1	-	-	5	98-103	25	24
2_251104112	1	-	-	5	104-112	25	24
2_251113121	1	-	-	5	113-121	25	20
2_251122130	1	-	-	5	122-130	25	16
2_251131139	1	-	-	5	131-139	25	16
2_251140148	1	-	-	5	140-148	25	12
2_251149161	1	-	-	5	149-161	25	8
2_251162174	1	-	-	5	162-174	25	8
2_251175187	1	-	-	5	175-187	25	8
2_251188200	1	-	-	5	188-200	25	5
2_251201213	1	-	-	5	201-213	25	5
2_251214226	1	-	-	5	214-226	25	5
2_251227239	1	-	-	5	227-239	25	5
2_251240252	1	-	-	5	240-252	25	5

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hose clips
and pipe clips

Hinge bolt clamps „GBS "
2-part

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
2_20204048	1	-	-	5	40-48	20	5
2_20204856	1	-	-	5	48-56	20	5
2_20205664	1	-	-	5	56-64	20	5
2_20206472	1	-	-	5	64-72	20	5
2_20207280	1	-	-	5	72-80	20	5
2_20208088	1	-	-	5	80-88	20	5
2_20208896	1	-	-	5	88-96	20	5
2_202096104	1	-	-	5	96-104	20	5
2_25208095	1	-	-	5	80-95	25	5
2_252095110	1	-	-	5	95-110	25	5
2_252110125	1	-	-	5	110-125	25	5
2_252125140	1	-	-	5	125-140	25	5
2_252140155	1	-	-	5	140-155	25	5
2_252155170	1	-	-	5	155-170	25	5
2_252170185	1	-	-	5	170-185	25	5
2_252185205	1	-	-	5	185-205	25	5
2_252205225	1	-	-	5	205-225	25	5
2_252225245	1	-	-	5	225-245	25	5
2_302185205	1	-	-	5	185-205	30	5
2_302205225	1	-	-	5	205-225	30	5
2_302225245	1	-	-	5	225-245	30	5
2_302245265	1	-	-	5	245-265	30	5
2_302265285	1	-	-	5	265-285	30	5
2_302285305	1	-	-	5	285-305	30	5
2_302305325	1	-	-	5	305-325	30	5
2_302325345	1	-	-	5	325-345	30	5
2_302345365	1	-	-	5	345-365	30	5
2_302365385	1	-	-	5	365-385	30	5
2_302385405	1	-	-	5	385-405	30	5
2_302405425	1	-	-	5	405-425	30	5
2_302425445	1	-	-	5	425-445	30	5
2_302445465	1	-	-	5	445-465	30	5

Further sizes and materials are available on enquiry.

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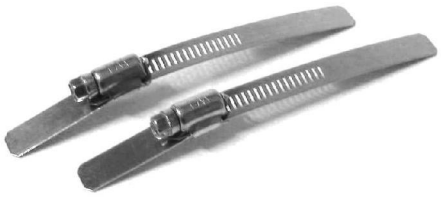
Hose clips
and pipe clips

Elongated hose clamp „chimney clamps "
with welding sockets



Art. no.	Material				Length in mm	Width in mm	Package content
	W1	W2	W4	W5			
3409100170	-	-	yes	-	100-170	9	-

Further sizes and quantities on enquiry.

Art. no.	Material				Length in mm	Width in mm	Package content
	W1	W2	W4	W5			
3413100170	-	-	yes	-	100-170	13	-

Order example:
Art.no. 3 1/2/4/5 13 100170

- 100170 – Band length
- 13 – Bandwidth in mm
- 1/2/4/5 – Material W1; W2; W4; W5
- 3 – Stretched worm drive hose clip

Double wire clamps „DDK "

Art. no.	Material				Pipe Ø in mm	Package content
	W1	W2	W4	W5		
5911000016	yes	-	-	-	13-16	50
5911000018	yes	-	-	-	15-18	50
5911000020	yes	-	-	-	17-20	50
5911000023	yes	-	-	-	19-23	50
5911000025	yes	-	-	-	22-25	50
5911000027	yes	-	-	-	24-27	50
5911000031	yes	-	-	-	27-31	50
5911000035	yes	-	-	-	31-35	50
5911000037	yes	-	-	-	33-37	50
5911000040	yes	-	-	-	36-40	50
5911000043	yes	-	-	-	39-43	50
5911000046	yes	-	-	-	41-46	50
5911000049	yes	-	-	-	44-49	50
5911000053	yes	-	-	-	47-53	50
5911000056	yes	-	-	-	51-56	50
5911000060	yes	-	-	-	54-60	50
5911000068	yes	-	-	-	60-68	50
5911000072	yes	-	-	-	64-72	50

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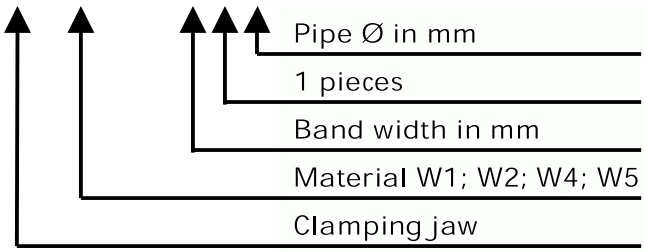
hose clips
and pipe clips

Clamping jaws „S 9"

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
6_09100008	1	-	-	-	8	9	100
6_09100009	1	-	-	-	9	9	100
6_09100010	1	-	-	-	10	9	100
6_09100011	1	-	-	-	11	9	100
6_09100012	1	-	-	-	12	9	100
6_09100013	1	-	-	-	13	9	100
6_09100014	1	-	-	-	14	9	100
6_09100015	1	-	-	-	15	9	100
6_09100016	1	-	-	-	16	9	100
6_09100017	1	-	-	-	17	9	100
6_09100018	1	-	-	-	18	9	100
6_09100019	1	-	-	-	19	9	100
6_09100020	1	-	-	-	20	9	100
6_09100021	1	-	-	-	21	9	100

Order example:
Art.no. 6 1/2/4/5 12 1 12



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Hose clips
and pipe clips

Clamping jaws „S 12"

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
6_12100012	1	-	-	-	12	12	100
6_12100013	1	-	-	-	13	12	100
6_12100014	1	-	-	-	14	12	100
6_12100015	1	-	-	-	15	12	100
6_12100016	1	-	-	-	16	12	100
6_12100017	1	-	-	-	17	12	100
6_12100018	1	-	-	-	18	12	100
6_12100019	1	-	-	-	19	12	100
6_12100020	1	-	-	-	20	12	100
6_12100021	1	-	-	-	21	12	100
6_12100022	1	-	-	-	22	12	100
6_12100023	1	-	-	-	23	12	100
6_12100024	1	-	-	-	24	12	100
6_12100025	1	-	-	-	25	12	100
6_12100026	1	-	-	-	26	12	100
6_12100027	1	-	-	-	27	12	100
6_12100028	1	-	-	-	28	12	100
6_12100029	1	-	-	-	29	12	100
6_12100030	1	-	-	-	30	12	100
6_12100031	1	-	-	-	31	12	100
6_12100032	1	-	-	-	32	12	100
6_12100033	1	-	-	-	33	12	100
6_12100034	1	-	-	-	34	12	100
6_12100035	1	-	-	-	35	12	100
6_12100036	1	-	-	-	36	12	100
6_12100037	1	-	-	-	37	12	100
6_12100038	1	-	-	-	38	12	100
6_12100039	1	-	-	-	39	12	100
6_12100040	1	-	-	-	40	12	100
6_12100041	1	-	-	-	41	12	100
6_12100042	1	-	-	-	42	12	100
6_12100043	1	-	-	-	43	12	100
6_12100044	1	-	-	-	44	12	100
6_12100045	1	-	-	-	45	12	100

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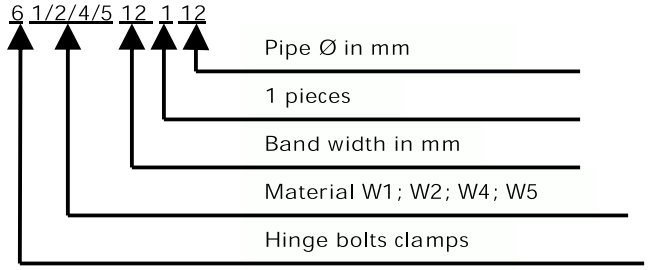
hose clips
and pipe clips

Clamping jaws „S 15"

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
6_15100021	1	-	-	-	21	15	100
6_15100022	1	-	-	-	22	15	100
6_15100023	1	-	-	-	23	15	100
6_15100024	1	-	-	-	24	15	100
6_15100025	1	-	-	-	25	15	100
6_15100026	1	-	-	-	26	15	100
6_15100027	1	-	-	-	27	15	100
6_15100028	1	-	-	-	28	15	100
6_15100029	1	-	-	-	29	15	100
6_15100030	1	-	-	-	30	15	100
6_15100031	1	-	-	-	31	15	100
6_15100032	1	-	-	-	32	15	100
6_15100033	1	-	-	-	33	15	100
6_15100034	1	-	-	-	34	15	100
6_15100035	1	-	-	-	35	15	100
6_15100036	1	-	-	-	36	15	100
6_15100037	1	-	-	-	37	15	100
6_15100038	1	-	-	-	38	15	100
6_15100039	1	-	-	-	39	15	100
6_15100040	1	-	-	-	40	15	100
6_15100041	1	-	-	-	41	15	100
6_15100042	1	-	-	-	42	15	100
6_15100043	1	-	-	-	43	15	100
6_15100044	1	-	-	-	44	15	100
6_15100045	1	-	-	-	45	15	100
6_15100046	1	-	-	-	46	15	100
6_15100047	1	-	-	-	47	15	100
6_15100048	1	-	-	-	48	15	100
6_15100049	1	-	-	-	49	15	100
6_15100050	1	-	-	-	50	15	100
6_15100051	1	-	-	-	51	15	100
6_15100052	1	-	-	-	52	15	100
6_15100053	1	-	-	-	53	15	100
6_15100054	1	-	-	-	54	15	100
6_15100055	1	-	-	-	55	15	100
6_15100056	1	-	-	-	56	15	100

Order example:
Art.no. 6 1/2/4/5 12 1 12



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Hose clips
and pipe clips

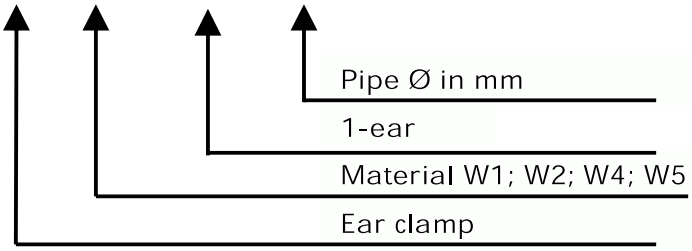
„1-ear clamp "

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
7_10000709	-	-	4	-	7-9	6	100
7_10000810	1	-	4	-	8-10	6	100
7_10000911	1	-	4	-	9-11	6,5	100
7_10001012	1	-	4	-	10-12	6,5	100
7_10001113	1	-	4	-	11-13	6,5	100
7_10001214	1	-	4	-	12-14	7	100
7_10001416	1	-	4	-	14-16	7	100
7_10001618	1	-	4	-	16-18	7	100

„1-ear clamp "

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
7_10075085	1	-	4	-	7,5-8,5	6	100
7_10082095	1	-	4	-	8,2-9,5	6	100
7_10090105	1	-	4	-	9,0-10,5	6,5	100
7_10100115	1	-	4	-	10,0-11,5	6,5	100
7_10105125	1	-	4	-	10,5-12,5	6,5	100
7_10115133	1	-	4	-	11,5-13,5	7	100
7_10130153	1	-	4	-	13,0-15,3	7	100
7_10150173	1	-	4	-	15,0-17,3	7	100
7_10130153	-	-	4	-	16,0-18,3	7,5	100
7_10150173	-	-	4	-	17,0-19,3	7,5	100

Order example:
Art.no. 7 1/2/4/5 1000 05-07



By greater dimensions, we recommend our endless band (EB) with loose headers or our fastening clamp with folding housing (VF).

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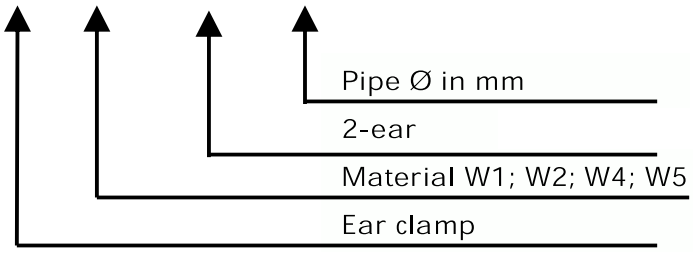
hose clips
and pipe clips

„2-ear clamp "

Art. no.	Material				Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
7_00000507	1	-	4	-	5-7	6	100
7_00000709	1	-	4	-	7-9	6	100
7_00000911	1	-	4	-	9-11	6,5	100
7_00001113	1	-	4	-	11-13	6,5	100
7_00001315	1	-	4	-	13-15	7	100
7_00001417	1	-	4	-	14-17	7	100
7_00001518	1	-	4	-	15-18	7,5	100
7_00001720	1	-	4	-	17-20	7,5	100
7_00001821	1	-	4	-	18-21	8	100
7_00002023	1	-	4	-	20-23	8	100
7_00002225	1	-	4	-	22-25	8,5	100
7_00002327	1	-	-	-	23-27	8,5	100
7_00002528	1	-	-	-	25-28	9	100
7_00002831	1	-	-	-	28-31	9	100
7_00003134	1	-	-	-	31-34	9,5	100
7_00003437	1	-	-	-	34-37	9,5	100
7-00003740	1	-	-	-	37-40	10	100
7_00004043	1	-	-	-	40-43	10	100
7_00004346	1	-	-	-	43-46	10,5	100

Order example:
Art.no. 7 1/2/4/5 0000 05-07



By greater dimensions, we recommend our endless band (EB) with loose headers or our fastening clamp with folding housing (VF).

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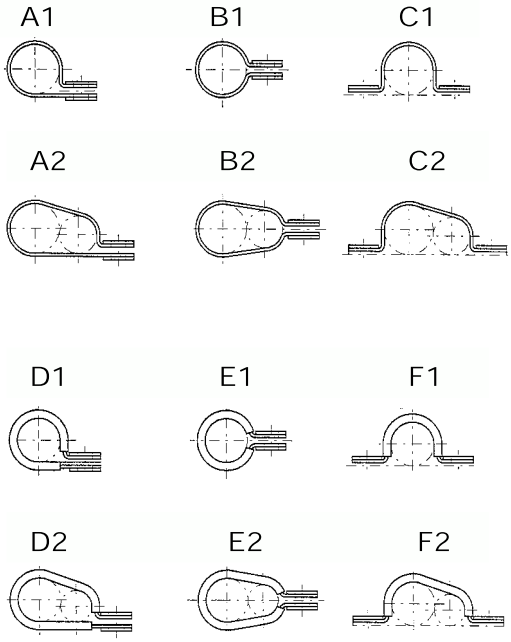
Hose clips
and pipe clips

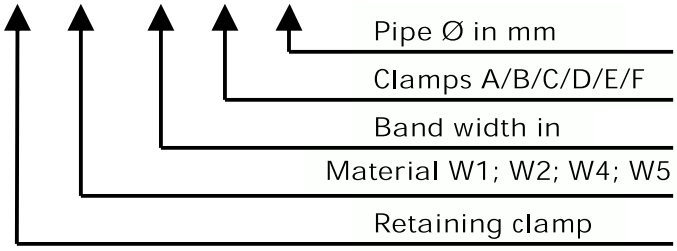
Clamp retainers „RS “ (without elastomer profile)
„RSGU “ (with elastomer profile)

Art. no.	Material				Pipe Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
8_12_ _0005	1	-	4	5	5	12	100
8_12_ _0006	1	-	4	5	6	12	100
8_12_ _0007	1	-	4	5	7	12	100
8_12_ _0008	1	-	4	5	8	12	100
8_12_ _0009	1	-	4	5	9	12	100
8_12_ _0010	1	-	4	5	10	12	100
8_12_ _0011	1	-	4	5	11	12	100
8_12_ _0012	1	-	4	5	12	12	100
8_12_ _0013	1	-	4	5	13	12	100
8_12_ _0014	1	-	4	5	14	12	100
8_12_ _0015	1	-	4	5	15	12	100
8_12_ _0016	1	-	4	5	16	12	100
8_12_ _0017	1	-	4	5	17	12	100
8_12_ _0018	1	-	4	5	18	12	100
8_12_ _0019	1	-	4	5	19	12	100
8_12_ _0020	1	-	4	5	20	12	100
8_12_ _0021	1	-	4	5	21	12	100
8_12_ _0022	1	-	4	5	22	12	100
8_12_ _0023	1	-	4	5	23	12	100
8_12_ _0024	1	-	4	5	24	12	100
8_12_ _0025	1	-	4	5	25	12	100
8_12_ _0026	1	-	4	5	26	12	100
8_12_ _0027	1	-	4	5	27	12	100
8_12_ _0028	1	-	4	5	28	12	100
8_12_ _0029	1	-	4	5	29	12	100
8_12_ _0030	1	-	4	5	30	12	100

Please insert the art. no. on the enquiry / order according to the form and material of the product.



Order example:
Art.no. 8 1/2/4/5 12 A100 05



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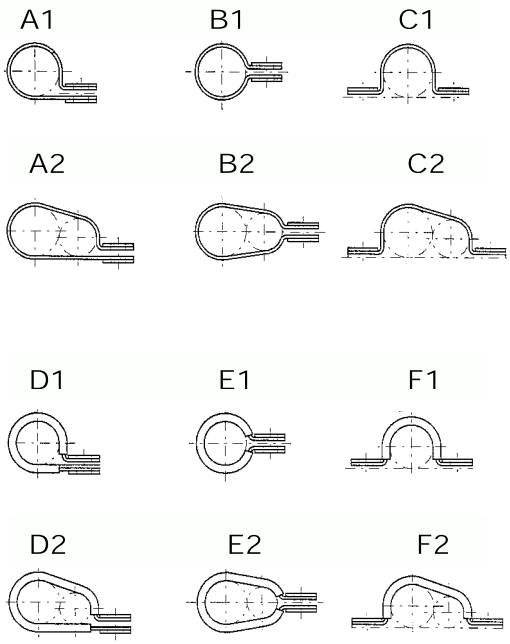
hose clips
and pipe clips

Clamp retainers „RS " (without elastomer profile)
„RSGU " (with elastomer profile)

Art. no.	Material				Pipe Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
8_15_ _0005	1	-	4	5	5	15	100
8_15_ _0006	1	-	4	5	6	15	100
8_15_ _0007	1	-	4	5	7	15	100
8_15_ _0008	1	-	4	5	8	15	100
8_15_ _0009	1	-	4	5	9	15	100
8_15_ _0010	1	-	4	5	10	15	100
8_15_ _0011	1	-	4	5	11	15	100
8_15_ _0012	1	-	4	5	12	15	100
8_15_ _0013	1	-	4	5	13	15	100
8_15_ _0014	1	-	4	5	14	15	100
8_15_ _0015	1	-	4	5	15	15	100
8_15_ _0016	1	-	4	5	16	15	100
8_15_ _0017	1	-	4	5	17	15	100
8_15_ _0018	1	-	4	5	18	15	100
8_15_ _0019	1	-	4	5	19	15	100
8_15_ _0020	1	-	4	5	20	15	100
8_15_ _0021	1	-	4	5	21	15	100
8_15_ _0022	1	-	4	5	22	15	100
8_15_ _0023	1	-	4	5	23	15	100
8_15_ _0024	1	-	4	5	24	15	100
8_15_ _0025	1	-	4	5	25	15	100
8_15_ _0026	1	-	4	5	26	15	100
8_15_ _0027	1	-	4	5	27	15	100
8_15_ _0028	1	-	4	5	28	15	100
8_15_ _0029	1	-	4	5	29	15	100
8_15_ _0030	1	-	4	5	30	15	100
8_15_ _0031	1	-	4	5	31	15	100
8_15_ _0032	1	-	4	5	32	15	100
8_15_ _0033	1	-	4	5	33	15	100
8_15_ _0034	1	-	4	5	34	15	100
8_15_ _0035	1	-	4	5	35	15	100
8_15_ _0036	1	-	4	5	36	15	100
8_15_ _0037	1	-	4	5	37	15	100
8_15_ _0038	1	-	4	5	38	15	100
8_15_ _0039	1	-	4	5	39	15	100
8_15_ _0040	1	-	4	5	40	15	100

Please insert the art. no. on the enquiry / order according to the form and material of the product.



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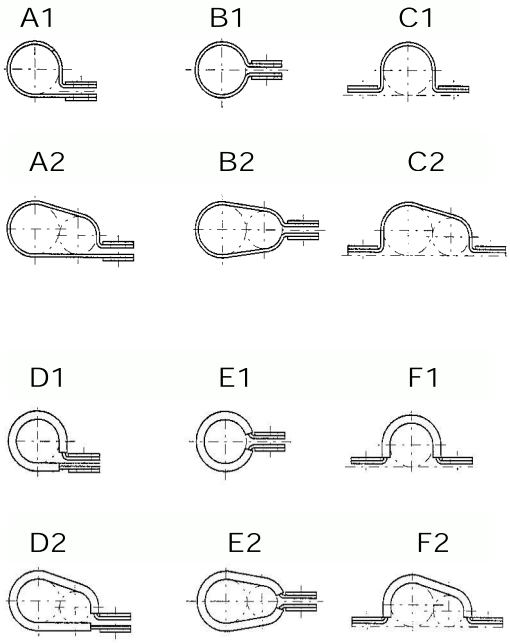
Hose clips
and pipe clips

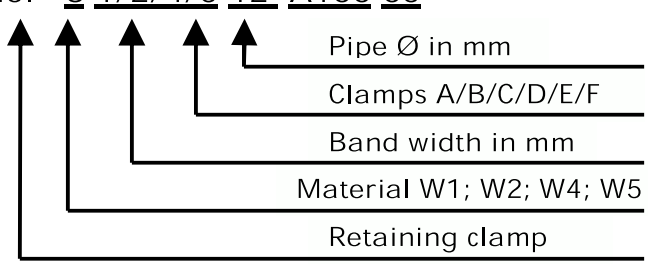
Clamp retainers „RS “ (without elastomer profile)
„RSGU “ (with elastomer profile)

Art. no.	Material				Pipe Ø in mm	Width in mm	Package content
	W1	W2	W4	W5			
8_20_ _0008	1	-	4	5	8	20	100
8_20_ _0009	1	-	4	5	9	20	100
8_20_ _0010	1	-	4	5	10	20	100
8_20_ _0011	1	-	4	5	11	20	100
8_20_ _0012	1	-	4	5	12	20	100
8_20_ _0013	1	-	4	5	13	20	100
8_20_ _0014	1	-	4	5	14	20	100
8_20_ _0015	1	-	4	5	15	20	100
8_20_ _0016	1	-	4	5	16	20	100
8_20_ _0017	1	-	4	5	17	20	100
8_20_ _0018	1	-	4	5	18	20	100
8_20_ _0019	1	-	4	5	19	20	100
8_20_ _0020	1	-	4	5	20	20	100
8_20_ _0021	1	-	4	5	21	20	100
8_20_ _0022	1	-	4	5	22	20	100
8_20_ _0023	1	-	4	5	23	20	100
8_20_ _0024	1	-	4	5	24	20	100
8_20_ _0025	1	-	4	5	25	20	100
8_20_ _0026	1	-	4	5	26	20	100
8_20_ _0027	1	-	4	5	27	20	100
8_20_ _0028	1	-	4	5	28	20	100
8_20_ _0029	1	-	4	5	29	20	100
8_20_ _0030	1	-	4	5	30	20	100
8_20_ _0031	1	-	4	5	31	20	100
8_20_ _0032	1	-	4	5	32	20	100
8_20_ _0033	1	-	4	5	33	20	100
8_20_ _0034	1	-	4	5	34	20	100
8_20_ _0035	1	-	4	5	35	20	100
8_20_ _0036	1	-	4	5	36	20	100
8_20_ _0037	1	-	4	5	37	20	100
8_20_ _0038	1	-	4	5	38	20	100
8_20_ _0039	1	-	4	5	39	20	100
8_20_ _0040	1	-	4	5	40	20	100

Please insert the art. no. on the enquiry / order according to the form and material of the product.



Order example:
Art.no. 8 1/2/4/5 12 A100 05



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hose clips
and pipe clips

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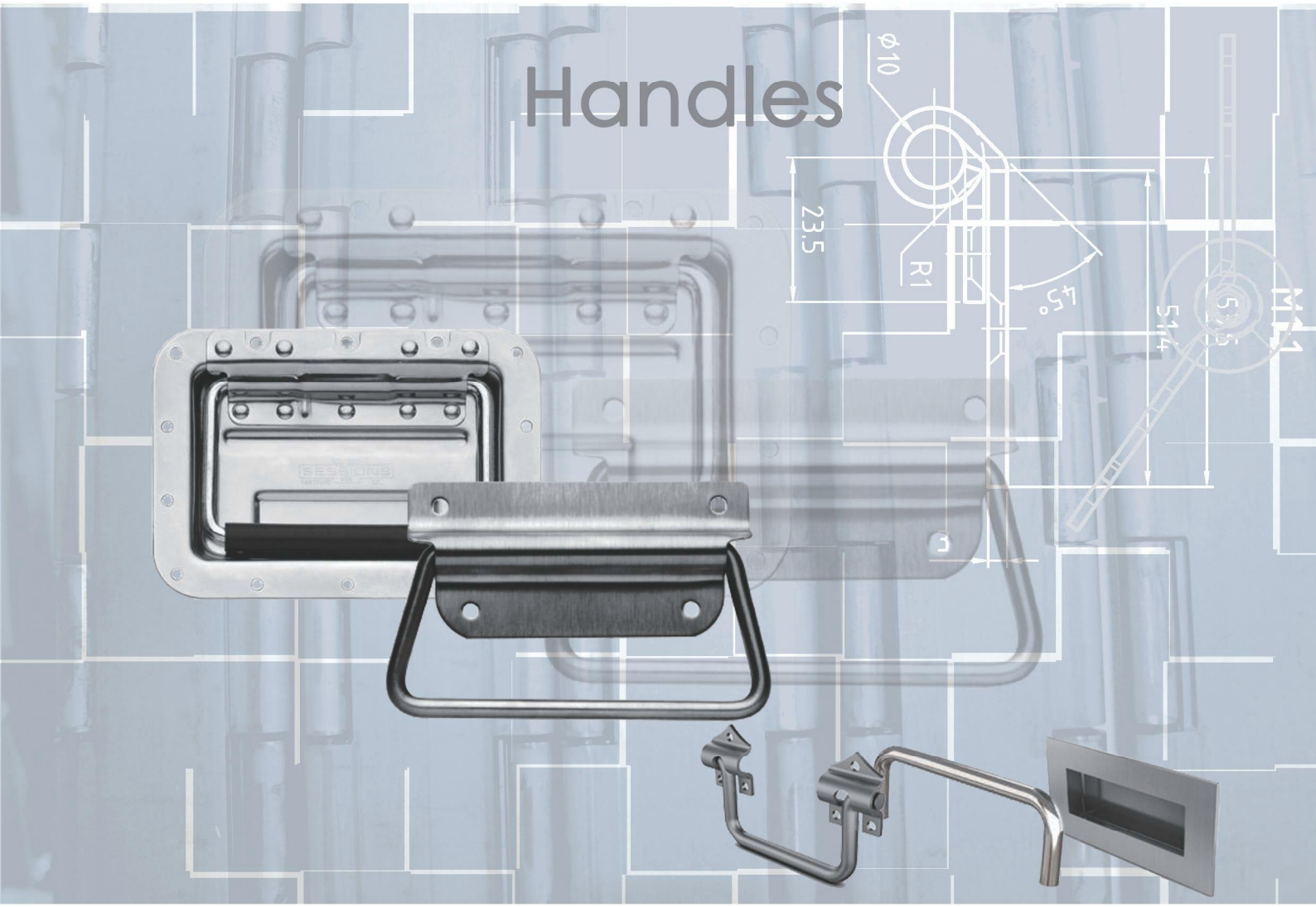
HoKon

VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Zertifiziert nach DIN EN ISO 9001:2008

Handles



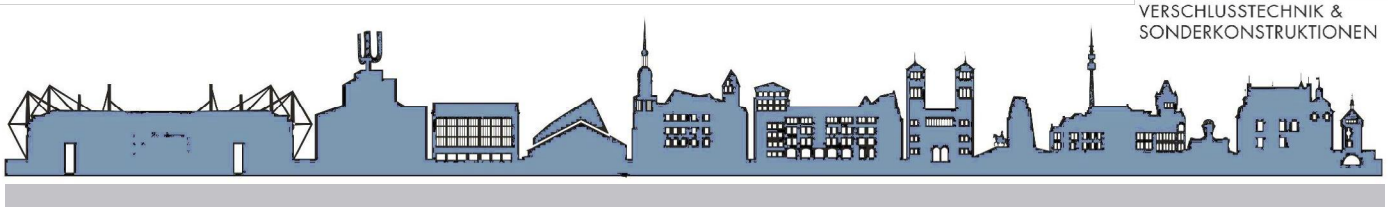
TÜV NORD CERT GmbH ISO 9001

IRIS™ Certification

TÜVRheinland® ZERTIFIZIERT

Management System
ISO 9001:2015
ISO 14001:2015

www.tuv.com
ID 9108624624



FOLDER 3 HANDLES

FOLDER 1 LATCHES

FOLDER 2 TENSION BANDS

FOLDER 3 HANDLES

BOX HANDLES..... D

- DROP HANDLES..... D-1
- BOX HANDLES WITH RETURN SPRING..... D-21
- PULL HANDLES..... D-41
- PLASTIC HANDLE AND SHELL GRIPS..... D-51
- LASHING LUGS..... D-61

FOLDER 4 HINGES

FOLDER 5 LOCKING DEVICES

FOLDER 6 THREADED INSERTS

FOLDER 7 SUNDRIES

GENERAL TERMS AND CONDITIONS.....

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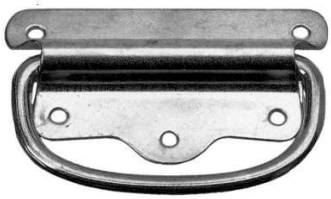
Drop handles

Art.:1054



Art.:1055

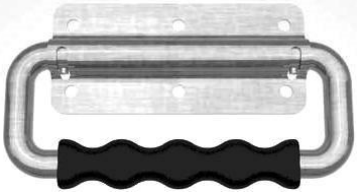
Art.:3101

Art.:2130

Art.:2134

Art.:2135

Art.:3102



Art.:100.H1079

Art.:3512

Art.:100.H1030

Art.:100.HE2457

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Drop handles

Art.:6440

Art.:6442

Art.:6444

Art.:6451

Art.:6457.03

Art.:6457.04

Art.:6407

Art.:6460.01

Art.:6460.06

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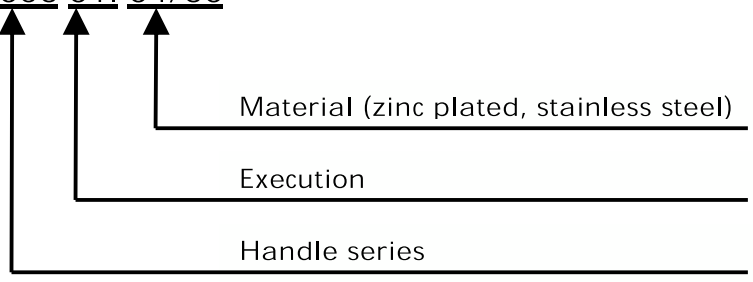
Drop handles

Materials and surface finishes:

.00	Raw steel
.01	Nickel-plated
.02	Brassed
.03	Chromated
.04	Zinc plated steel
.05	Bronzed
.06	Black zinc plated
.07	Brunished
.08	Yellow chromated
.09	EPD (Electrophoretic deposition)
.10	Anodized silver-coloured
.20	Raw brass
.22	Polished brass
.23	Chromated brass
.30	Raw stainless steel (1.4301)
.33	Polished stainless steel
.35	Raw stainless steel (1.4401)
.50	Raw Zamak (zinc aluminium magnesium copper)
.70	Raw aluminium
.80	Raw polyamide

Ordering example:

Art.No. 1053 01. 04/30



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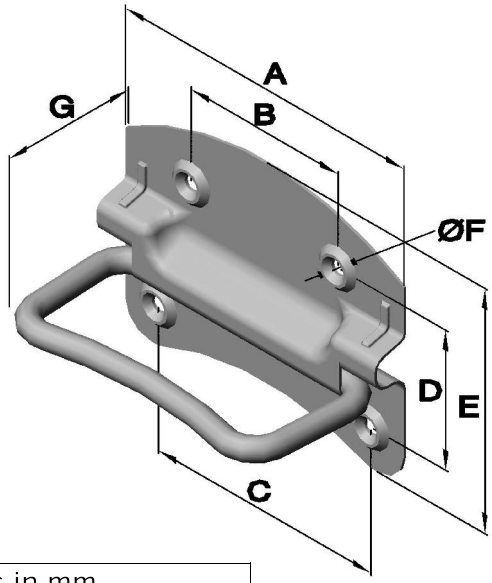
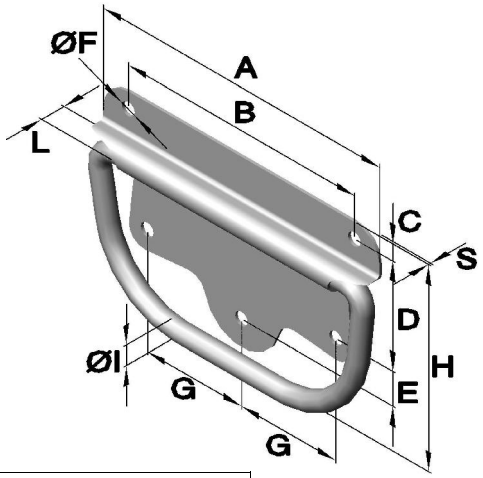
Drop handles

Art. no.: 1054 (drilled and countersunk)



Article no.					Dimensions in mm						
Series	Execution	Material			A	B	C	D	E	Ø F	G
		Brassed	Zinc plated	Blued							
		Steel	Steel	Steel							
1054	.09	.02	.04	.07	90	42	72	40	67	4.2	40
1054	.11	.02	.04	.07	110	57	84	48	84	4.5	55

Art. no.: 1055 (drilled)



Article no.					Dimensions in mm										
Series	Execution	Material			A	B	C	D	E	Ø F	G	H	Ø I	L	S
		Brassed	Zinc plated	Blued											
		Steel	Steel	Steel											
1055	.08	.02	.04	.07	80	66	7	24	7	4	27	56	6	9	1
1055	.09	.02	.04	.07	90	75	6	31	8	4.4	30	61	6.5	9	1
1055	.10	.02	.04	.07	100	80	7	30	10	4.4	32.5	62.5	6.5	9	1
1055	.11	.02	.04	.07	110	90	6	38	12	5	37.5	66.5	7	9	1

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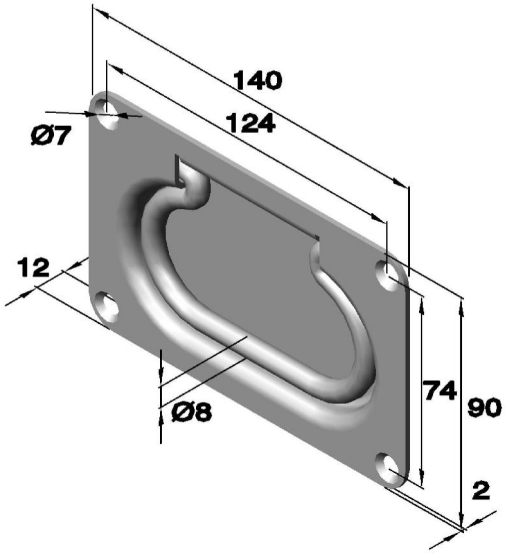
Drop handles

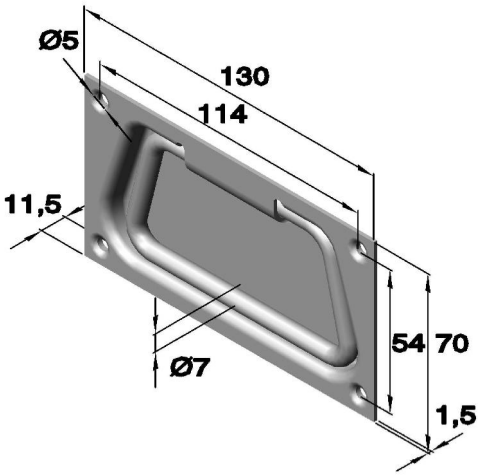
Art. no.: 2130 (drilled and countersunk)

Article no.	
Series	Material
	Zinc plated
	Steel
2130	.04



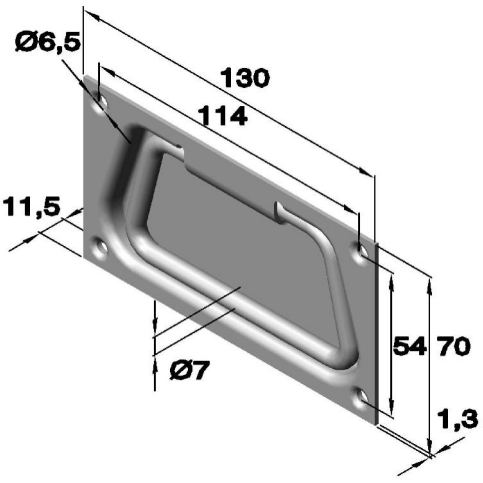
Art. no.: 2134 (drilled and countersunk)

Article no.	
Series	Material
	Zinc plated
	Steel
2134	.04



Art. no.: 2134 (drilled and countersunk)

Article no.	
Series	Material
	Raw
	Stainless steel
2134	.30



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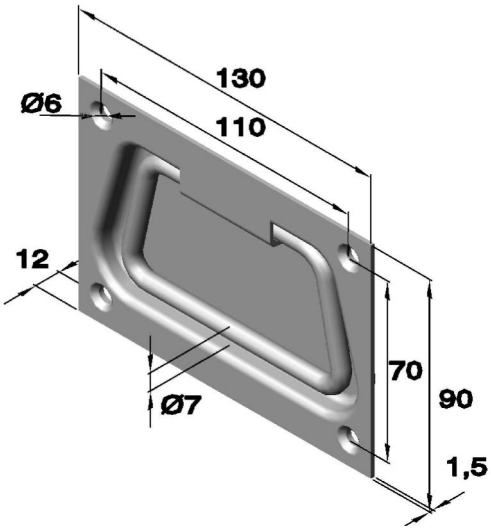
Drop handles

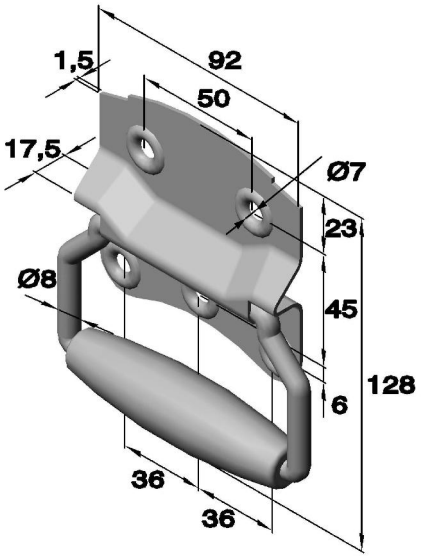
Art. no.: 2135 (drilled and countersunk)

Article no.	
Series	Material
	Zinc plated
	Steel
2135	.04



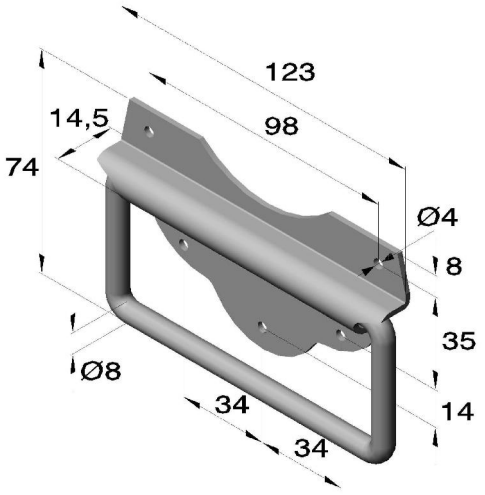
Art. no.: 3101 (drilled and countersunk)

Article no.			
Series	Material		
	Zinc plated	Black blued	Yellow chromated
	Steel	Steel	Steel
3101	.04	.07	.08



Art. no.: 3102 (drilled)

Article no.	
Series	Material
	Zinc plated
	Steel
3102	.04



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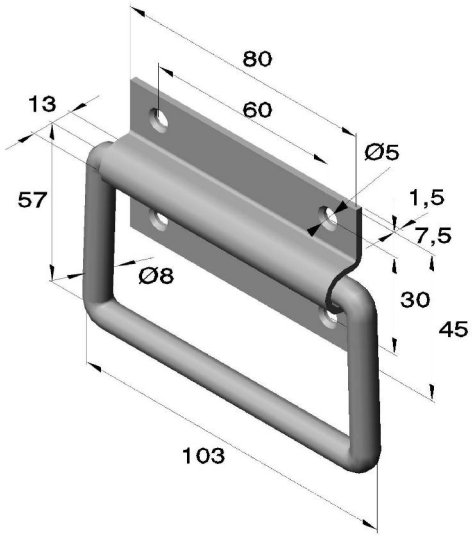
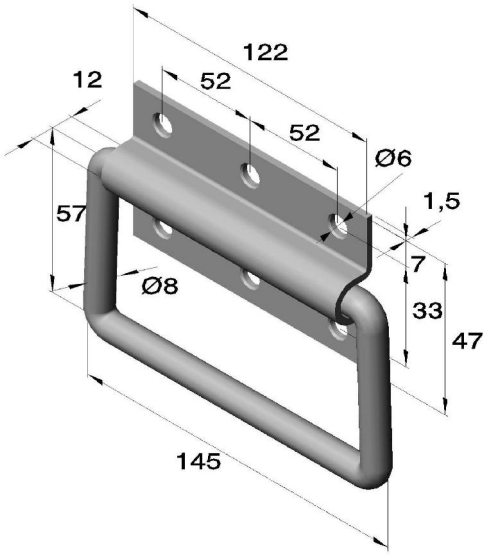
Drop handles

Art. no.: 3119 (drilled and countersunk)



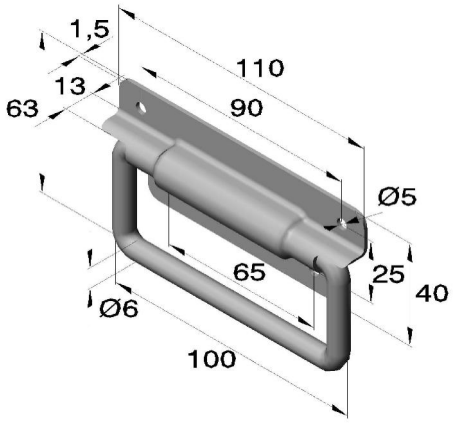
Article no.	
Series	Material
	Zinc plated
	Steel
3119	.04

Art. no.: 3122 (drilled and countersunk)



Article no.	
Series	Material
	Zinc plated
	Steel
3122	.04

Art. no.: 3510 (drilled)



Article no.	
Series	Material
	Zinc plated
	Steel
3510	.04

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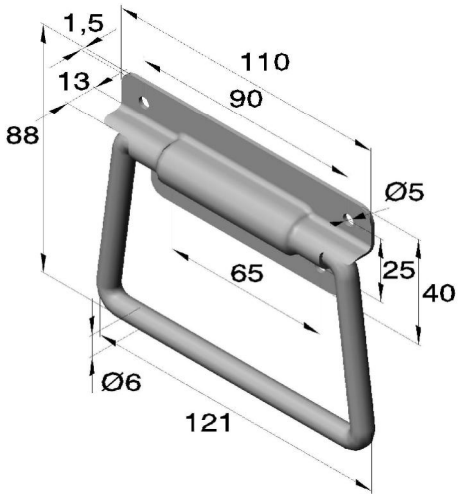
Drop handles

Art. no.: 3511 (drilled)

Different drop handles
available on request

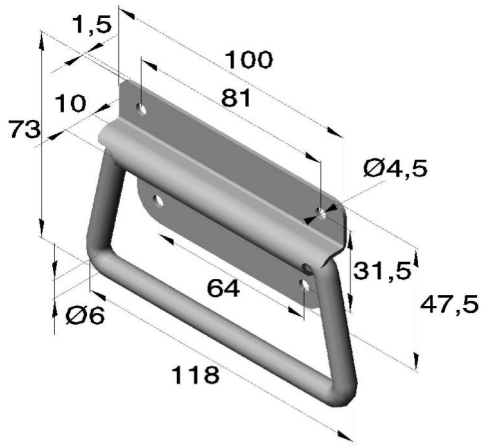


Article no.	
Series	Material
	Zinc plated
	Steel
3511	.04

art. no.: 3512 (drilled)

Different drop handles
available on request

Maximum load: ca.25 kg

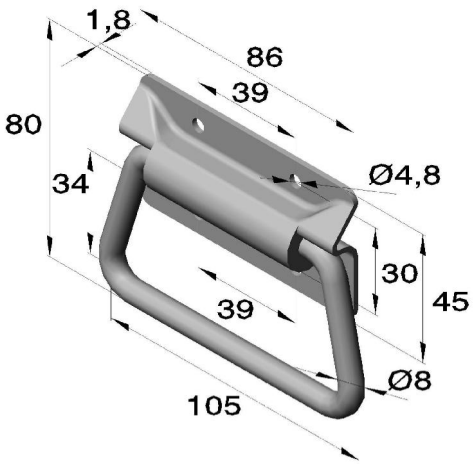


Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3512	.04	.30

Art. no.: 6407 (drilled)

Maximum load: max. 90 kg

Opening angle: up to 90°



Article no.	
Series	Material
	Zinc plated
	Steel
6407	.04

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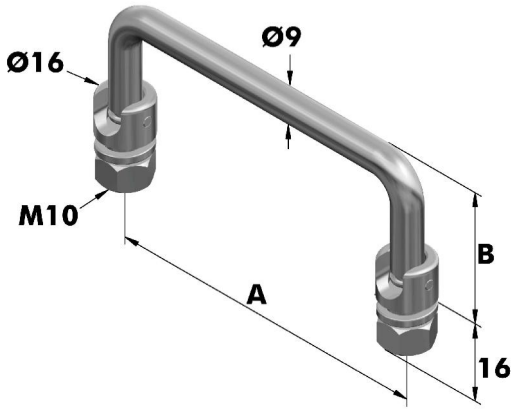
Drop handles

Art.no.:6425

Opening stop by 90° precise positioning.

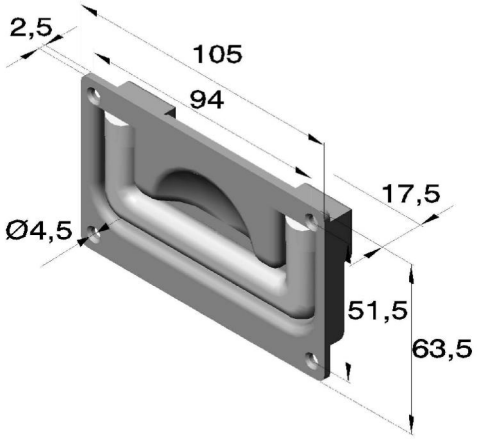


Article no.			Dimensions in mm	
Series	Material		A	B
	Execution	Chrome plated		
		Steel		
6425	.01	.03	100	41,5
6425	.02	.03	135	41,5

Art. no.: 6440 (drilled and countersunk)

delivered in parts

Maximum load: max. 100 kg /pair
Opening angle: up to 90°
Installation opening: 97,5 x 47,5

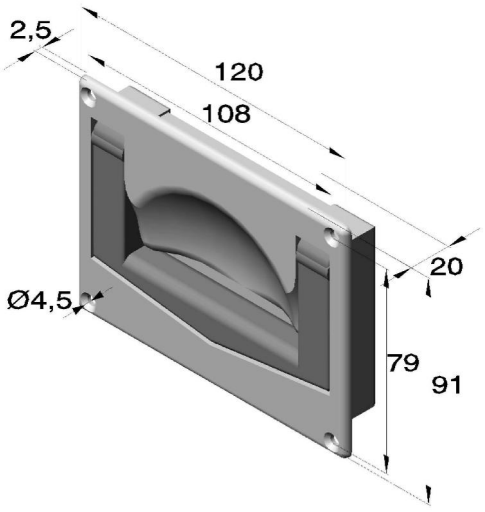


Article no.	
Series	Material
	Raw
	Aluminium
6440	.70

Art. no.: 6442 (drilled and countersunk)

delivered in parts

Maximum load: max. 100 kg /pair
Opening angle: up to 90°
Installation opening: 110 x 70



Article no.	
Series	Material
	Raw
	Aluminium
6442	.70

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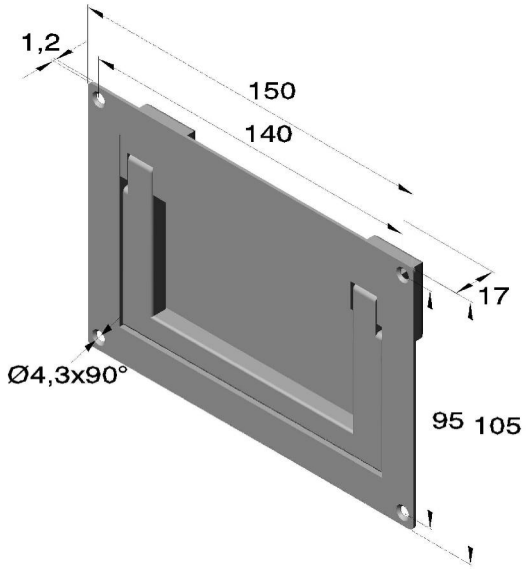
Drop handles

Art. no.: 6444 (drilled and countersunk)

delivered in parts

Maximum load: max. 100 kg /pair
Opening angle: up to 90°
Installation opening: 127 x 83

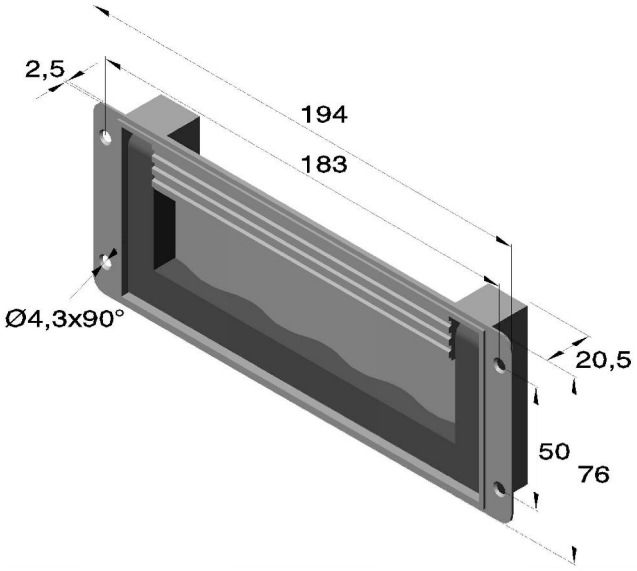
Article no.		
Series	Execution	Material
		Zinc plated
6444	.34	Steel



Art. no.: 6451 (drilled and countersunk)

Maximum load: max. 100 kg /pair
Opening angle: up to 90°
Installation opening: 171 x 73

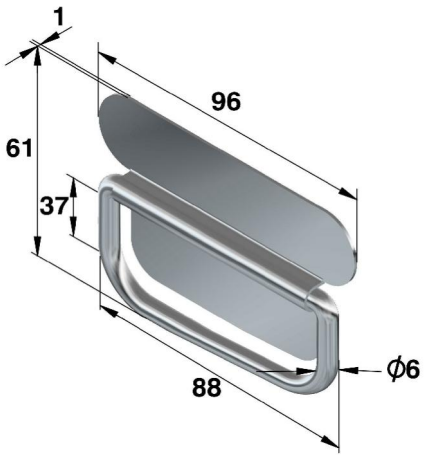
Article no.	
Series	Material
	lacquered Silver
	Zamak
6451	.50



Art. no.: 6457 (drilled)

Maximum load: max. 25 kg
Opening angle: up to 80°

Article no.		
Series	Execution	Material
		Raw
		Steel
6457	.01	.00



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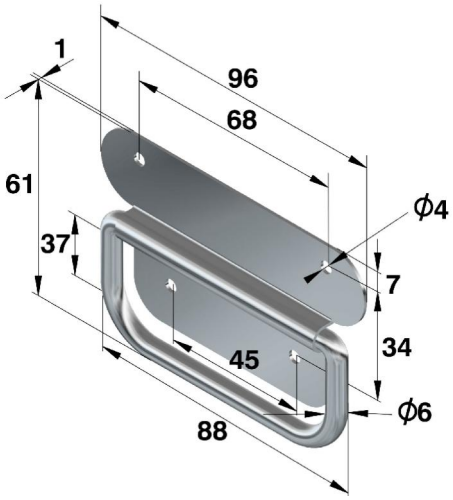
Homepage: www.hokon-verschlusstechnik.de

Drop handles

Art. no.: 6457 (drilled)

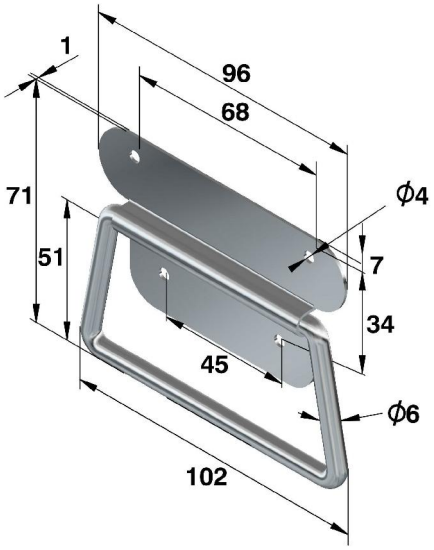
Maximum load: max. 25 kg
Opening angle: up to 80°



Article no.		
Series	Execution	Material
		Zinc plated
		Steel
6457	.02	.04

Art. no.: 6457 (drilled)

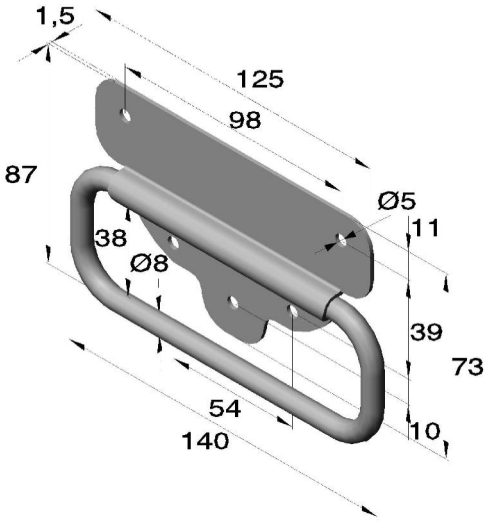
Maximum load: max. 25 kg
Opening angle: up to 80°



Article no.		
Series	Execution	Material
		Zinc plated
		Steel
6457	.03	.04

Art. no.: 6457 (drilled)

Maximum load: max. 60 kg
Opening angle: up to 80°



Article no.			
Series	Execution	Material	
		Raw	Zinc plated
		Steel	Steel
6457	.04	.00	.04

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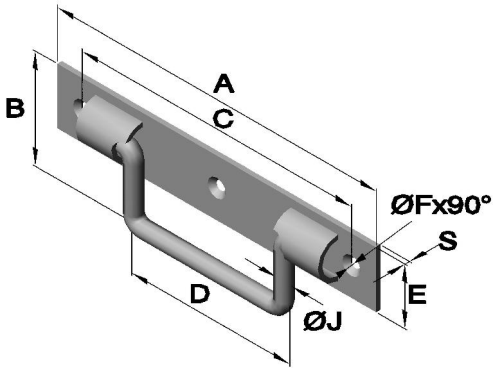
Drop handles

Art. no.: 6460 (drilled and countersunk)

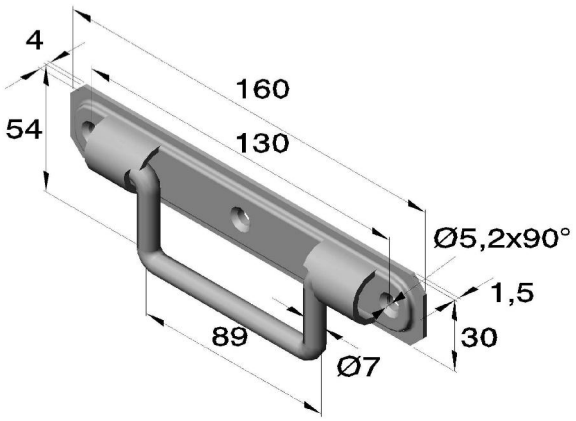
Opening angle: up to 90°



Article no.			Dimensions in mm								
Series	Execution	Material: Zinc plated / Steel	A	B	C	D	E	ØF	ØJ	S	max. load
6460	.04	.04	142	44,5	120	74	25	5,2	7	2	45kg
6460	.05	.04	160	49,6	138	93,5	25	5,2	8	2	45kg
6460	.07	.04	187	49,6	162	109	25	5,2	8	2	45kg

Art. no.: 6460 (drilled and countersunk)

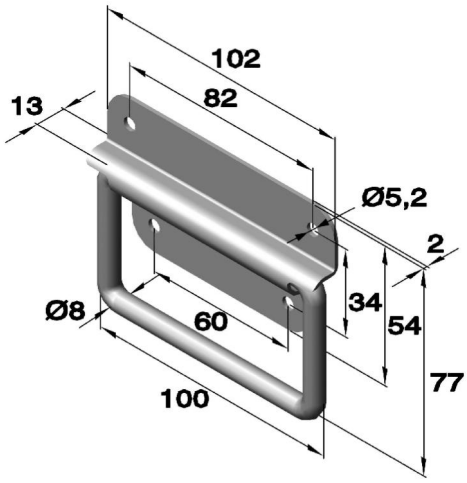
Maximum load: max. 35 kg
Opening angle: up to 90°



Article no.		
Series	Execution	Material: Raw / Stainless steel
6460	.06	.30

Art. no.: 100.H1030 (drilled)

Opening angle: up to 90°



Article no.	
Series	Material: Zinc plated / Steel
100.H1030	.04

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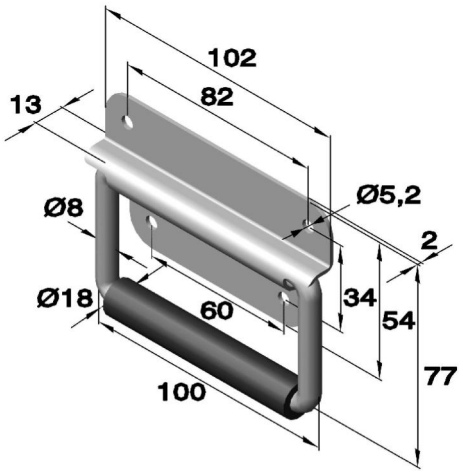
Drop handles

Art. no.: 100.H1030R (drilled)

Opening angle: up to 90°

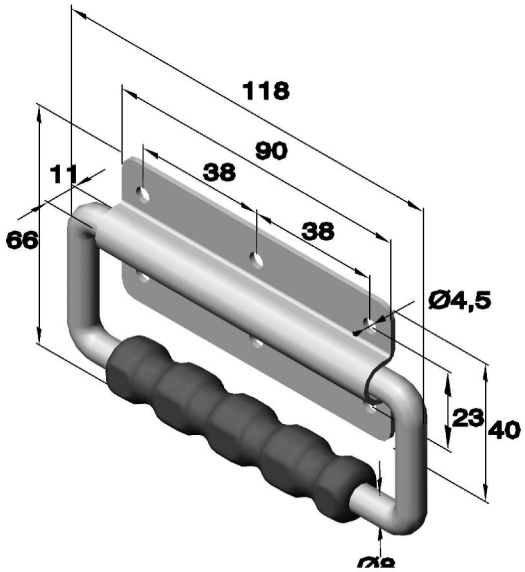
Article no.	
Series	Material
	Zinc plated
	Steel
100.H1030R	.04



Art. no.: 100.H1079 (drilled)

Opening angle: up to 90°

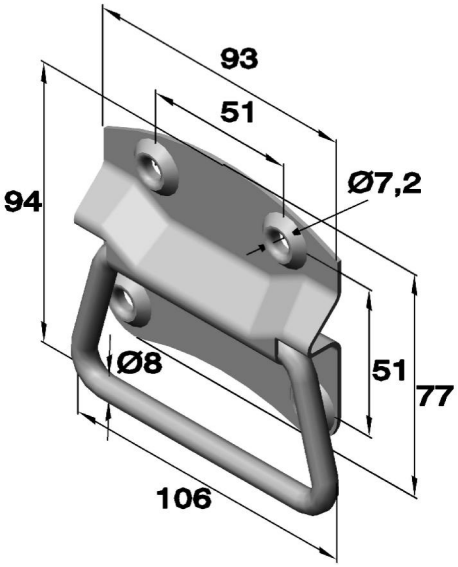
Article no.	
Series	Material
	Raw
100.H1079	Aluminium



Art. no.: 100.HE-2457 (drilled)

Opening angle: up to 90°

Article no.	
Series	Material
	Zinc plated
	Steel
100.HE-2457	.04



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Drop handles

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Box handles

with return spring

Art.:3103

Art.:6401

Art.:6402

Art.:6403.04

Art.:6403.05

Art.:6405

Art.:6415

Art.:6419

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Box handles

with return spring

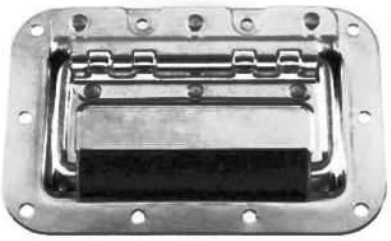
Art.:100.H1033Z

Art.:100.H10527

Art.:100.H1078

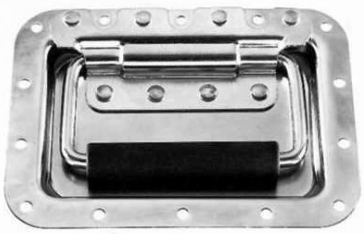
Art.:100.HE-2341AL

Art.:100.H8154



Art.:100.H1054

Art.:100.H2751



Art.:100.H1065

Art.:100.H7148

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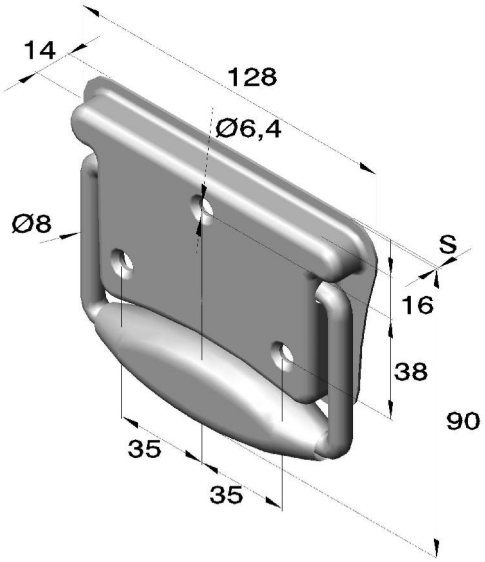
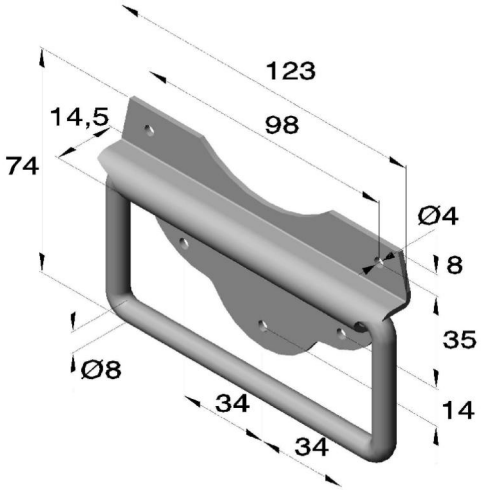
Box handles
with return springs

Art. no.: 3103 (drilled and countersunk)
with return spring



Article no.	
Series	Material
	Zinc plated
	Steel
3103	.04

Art. no.: 3112 (drilled)
with return spring



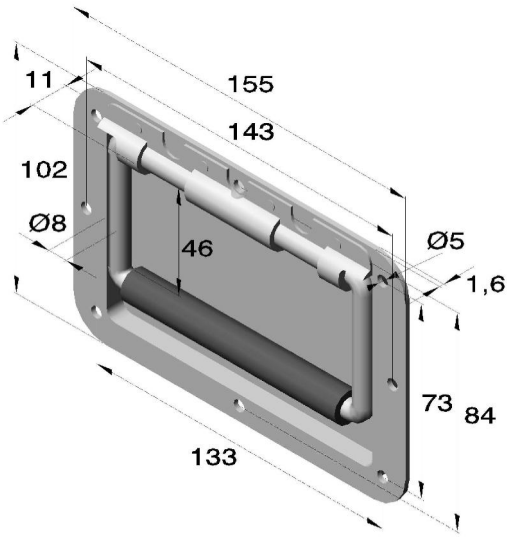
Article no.	
Series	Material
	Zinc plated
	Steel
3112	.04

Art. no.: 6401 (drilled)
with return spring

Maximum load: ca. 57 kg

Opening angle: up to 90°

Installation opening: 79 x 132



Article no.	
Series	Material
	Zinc plated
	Steel
6401	.04

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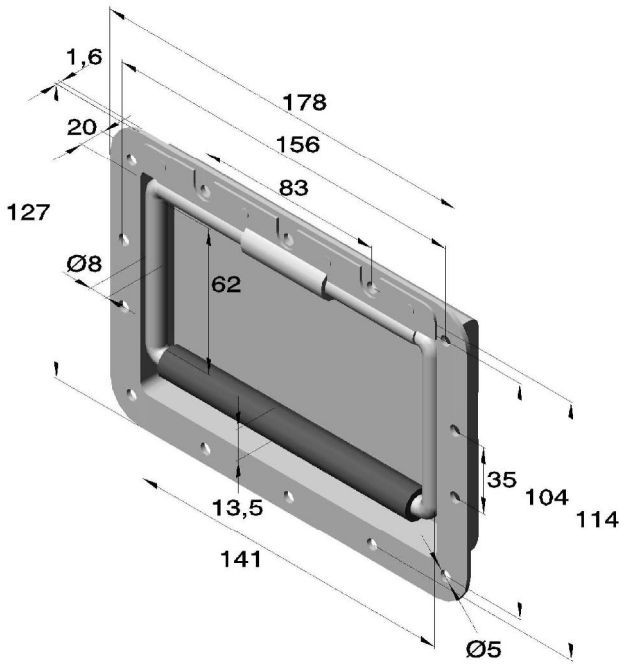
Box handes
with return spring

Art. no.: 6402 (drilled)
with return spring

Maximum load: ca. 67 kg

Opening angle: up to 90°

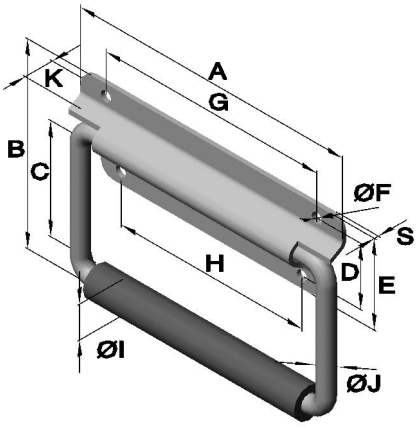
Installation opening: 99 x 146



Article no.		
Series	Material	
	Zinc plated	Epoxy Black coated
	Steel	Steel
6402	.04	.07

Art. no.: 6403 (drilled)
with return spring

Maximum load: ca. 45 kg
Opening angle: up to 90°



Article no.				Dimensions in mm											
Series	Execution	Material		A	B	C	D	E	ØF	G	H	ØI	ØJ	K	S
		Zinc plated	Raw												
		Steel	Stainless steel												
6403	.05	.04	.30	130,3	104,1	60,4	28,6	41,9	5	104,8	88,9	15	7,8	12,7	2
6403	.06	.04	.30	130,3	82,6	38,1	28,6	39,6	5	104,8	88,9	15	7,8	12,7	2

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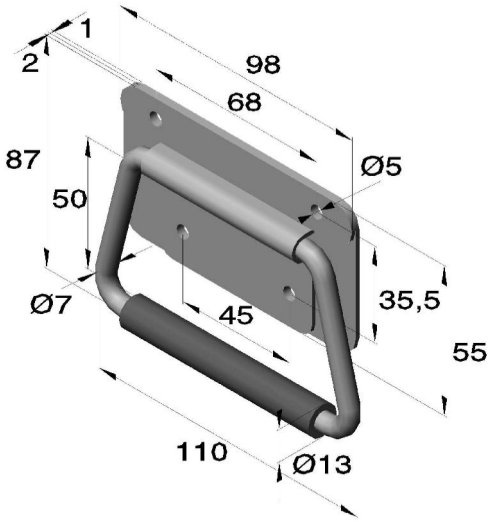
Box handles
with return springs

Art. no.: 6405 (drilled)
with return spring

Maximum load: ca. 25 kg

Opening angle: up to 70°

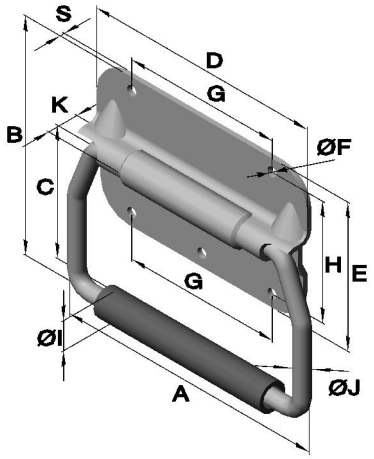


Article no.		
Series	Execution	Material
		Steel
6405	.08	Yellow chromated

Art. no.: 6415 (drilled)
with return spring
and neoprene sheathing

Maximum load:
Art. no.: 6415.01.30: ca. 54 kg
Art. no.: 6415.02.04: ca. 68 kg
Art. no.: 6415.03.04: ca. 68 kg

Opening angle: up to 90°



Article no.				Dimensions in mm											
Series	Execution	Material		A	B	C	D	E	ØF	G	H	ØI	ØJ	K	S
		Zinc plated	Raw												
		Steel	Stainless steel												
6415	.01	-	.30	130	112,7	50,8	120,6	69,8	5	76,2	57,1	14,2	7,8	16,8	2,3
6415	.02	.04	-	130	101,6	50,8	124	50,8	5	66,6	38,1	14,2	7,8	17,5	2,3
6415	.03	.04	-	130	104,1	50,8	124	50,8	5	66,6	38,1	19	7,8	17,5	2,3

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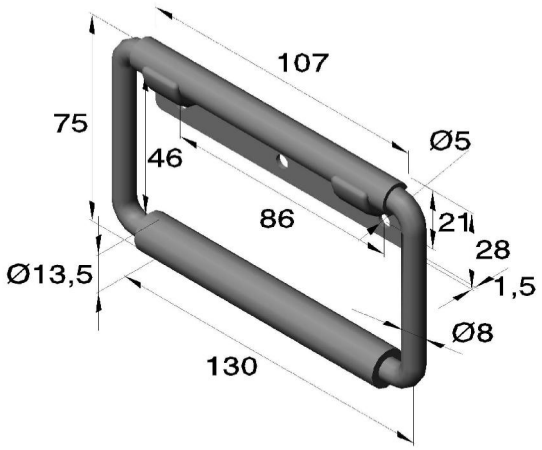
Box handes
with return spring

Art. no.: 6419 (drilled)
with return spring

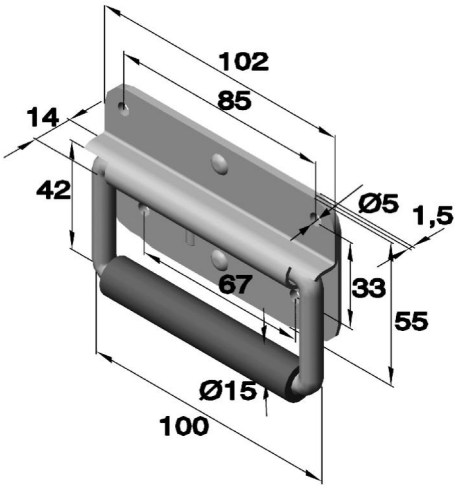
Maximum load: ca. 34 kg

Opening angle: up to 180°



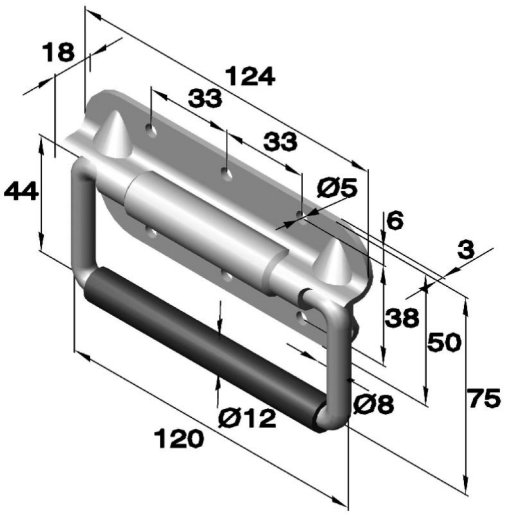
Article no.			
Series	Execution	Material	
		Blued	Passivated
		Steel	Stainless steel
6419	.01	.07	.30

Art. no.: 100.H1033Z (drilled)
with return spring
and rubber hose



Article no.	
Series	Material
	Zinc plated
	Steel
100.H1033Z	.04

Art. no.: 100.HE-2341 (drilled)
with return spring



Article no.	
Series	Material
	Raw
	Aluminium
100.HE-2341	AL

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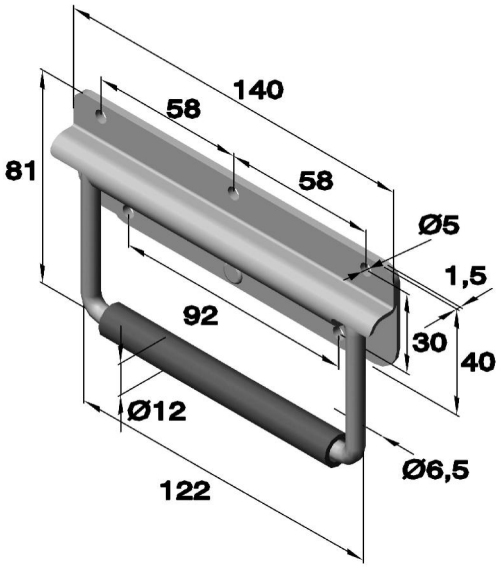
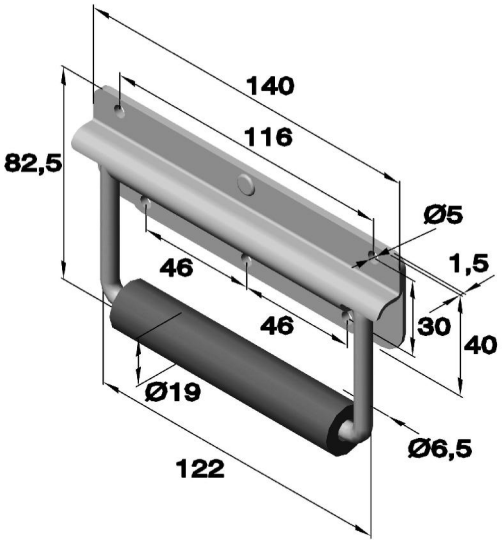
Box handles
with return springs

Art. no.: 100.H10527 (drilled)
with return spring



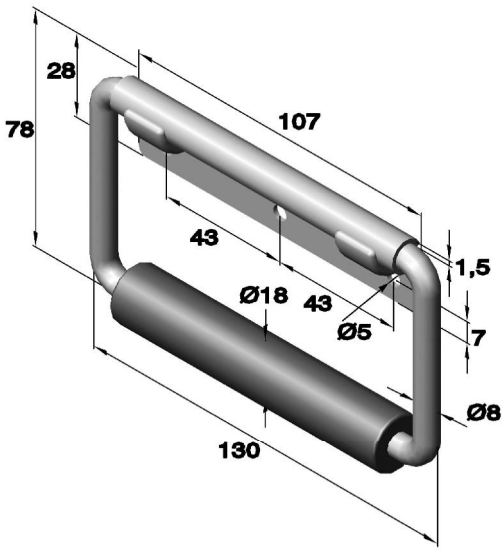
Article no.	
Series	Material
	Zinc plated
	Steel
100.H10527	.04

Art. no.: 100.H1053z (drilled)
with return spring



Article no.		
Series	Material	
	Zinc plated	Blued black
	Steel	Steel
100.H1053z	.04	.07

Art. no.: 100.H1078
with return spring



Article no.	
Series	Material
	Zinc plated
	Steel
100.H1078	.04

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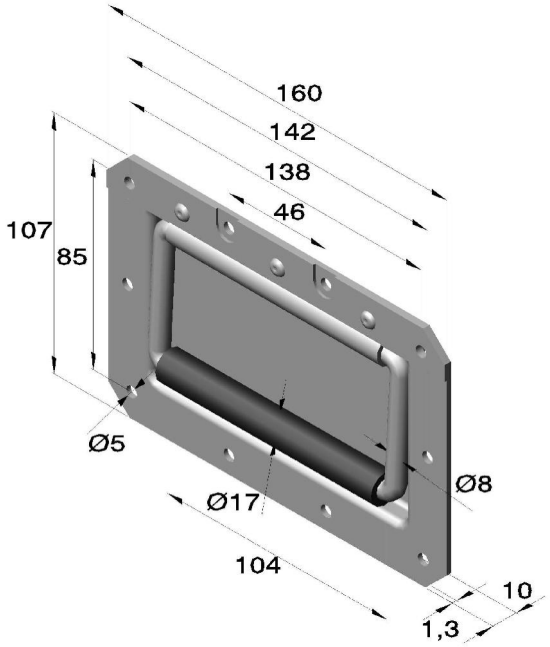
Box handes
with return spring

Art. no.: 100.H1050 (drilled)
with return spring

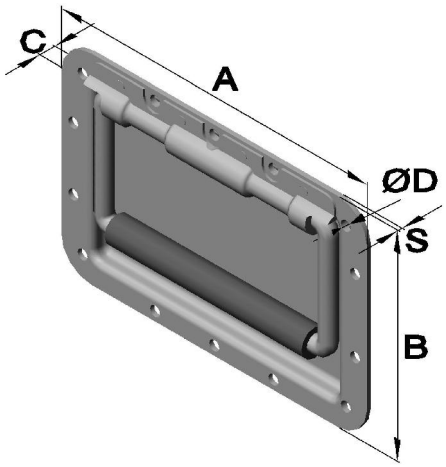
Installation opening: 75 x 128



Article no.		
Series	Material	
	Zinc plated	Blued black
	Steel	Steel
100.H1050	.04	.07

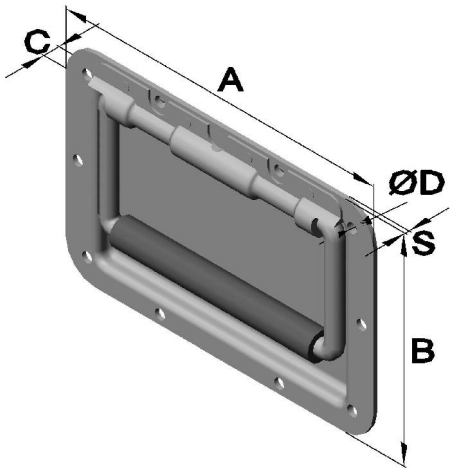
Art. no.: 100.H7165 (drilled)
Art. no.: 100.H7165-10 (drilled)
with return spring

Installation opening: 148 x 98



Article no.			Dimensions in mm				
Series	material		A	B	C	Ø D	S
	Zinc plated	Blued black					
	Steel	Steel					
100.H7165-10	.04	.07	178	127	11,5	5,2	1,5
100.H7165	Z.04	K.07	178	127	15,5	5,2	1,5

Art. no.: 100.H7149 (drilled)
Art. no.: 100.H7151 (drilled)
Art. no.: 100.H7159 (drilled)
with return spring



Article no.					Dimensions in mm				
Series	Material				A	B	C	Ø D	ØI
	Chromated	Zinc plated	Black blued	Raw					
	Steel	Steel	Steel	Stainless steel					
100.H7149	-	.04	-	-	160	107	15	5	19
100.H7151	c.03	z.04	-	s.30	160	107	9,5	5	15,5
100.H7159	-	z.04	K.07	-	160	107	8,5	-	19

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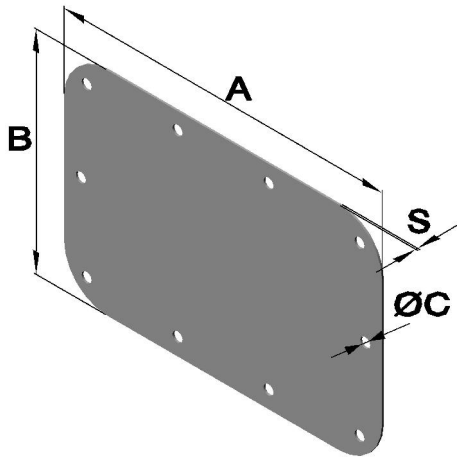
Box handles
with return springs

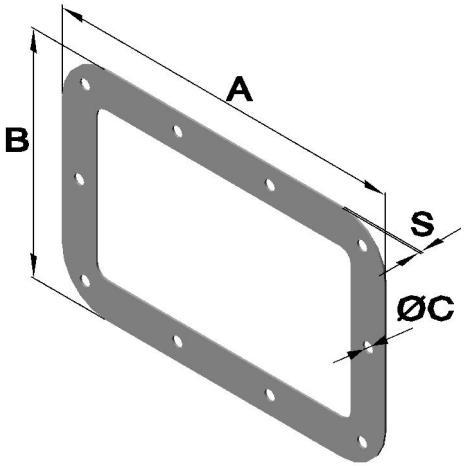
Art. no.: 100.H1085
perforated rivet plate, to
Art. no.: 100.H1050
Art. no.: 100.H7151
Art. no.: 100.H7159



Article no.			Dimensions in mm			
Series	Material		A	B	ØC	S
	Zinc plated	Blued black				
	Steel	Steel				
100.H1085	.04	.07	160	107	5	0,9

Art. no.: 100.H1906
Perforated riveted plate, to
Art. no.: 100.H1050
Art. no.: 100.H7151
Art. no.: 100.H7159

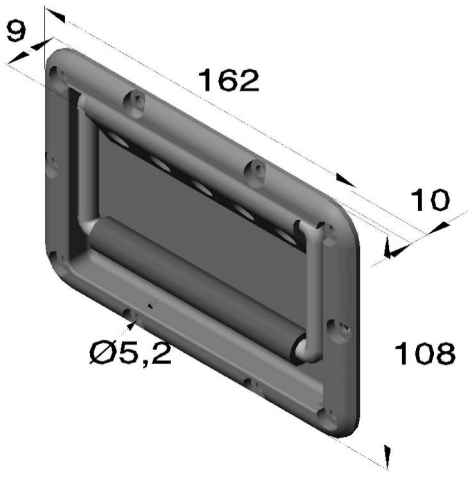
Art. no.: 100.H1065/BP
Perforated rivet plate, to
Art. no.: 100.H1065
Art. no.: 100.H7165
Art. no.: 100.H7159



Article no.			Dimensions in mm			
Series	Material		A	B	Ø C	S
	Zinc plated	Blue black				
	Steel	Steel				
100.H1906	.04	.07	160	107,2	5	0,9
100.H1065/BP	.04	-	178	127	5	0,9

Art. no.: 100.H2751 (drilled)
with return spring

Installation opening: 130 x 75



Article no.	
Series	Material
	Black
	ABS
100.H2751	K.07

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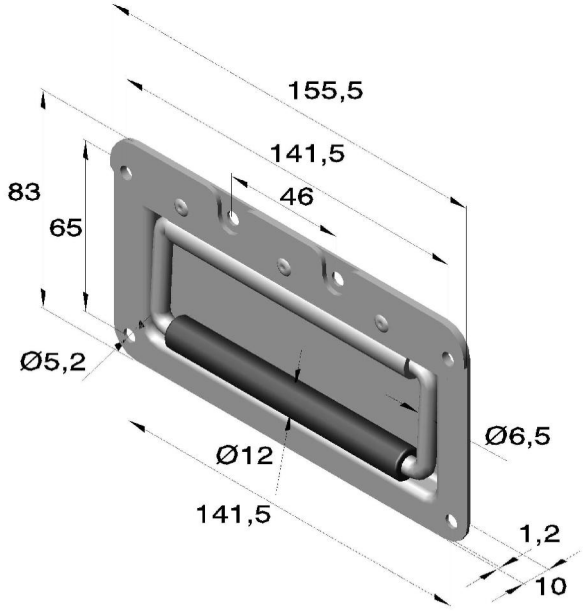
Box handes
with return spring

Art. no.: 100.H7148 (drilled)
with return spring

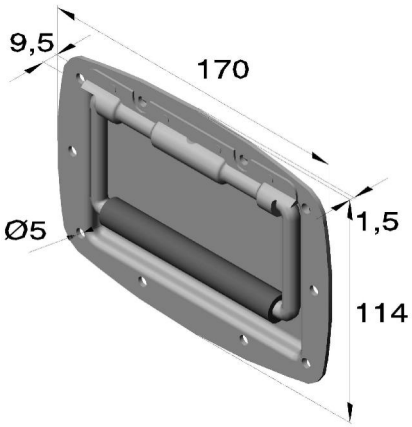
Installation opening: 130 x 55



Article no.	
Series	Material
	Zinc plated
	Steel
100.H7148	.04

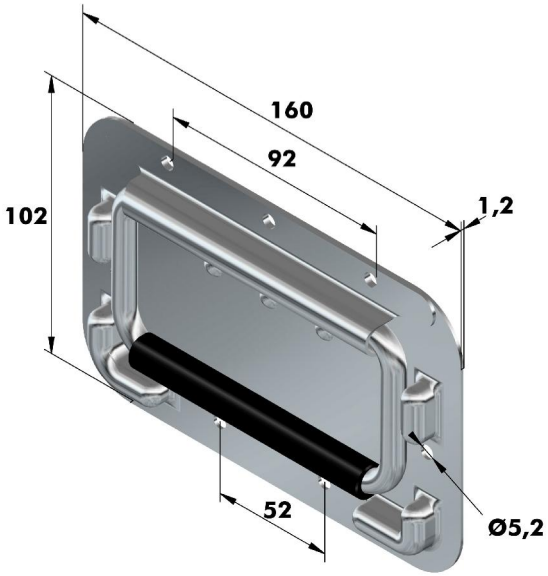
Art. no.: 100.H8154 (drilled)
with return spring

Installation opening: 130 x 75



Article no.	
Series	Material
	Zinc plated
	Steel
100.H8154	.04

Art. no.: 100.H4051 (drilled)
with return spring



Article no.	
Series	Material
	Zinc plated
	Steel
100.H4051	.04

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Pull handles

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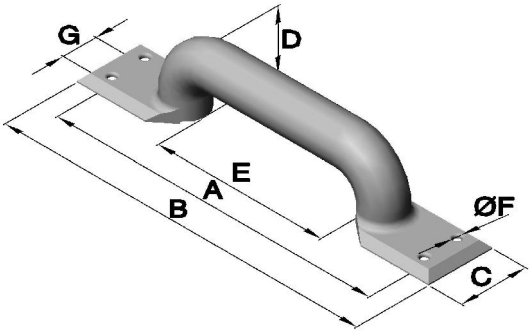
Pull handles

Art. no.: 1053 (drilled and countersunk)

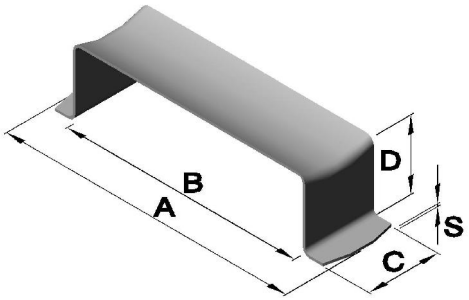
Cold-formed hollow handle

Article no.			Dimensions in mm						
Series	Execution	Material: Nickel plated / Steel	A	B	C	D	E	Ø F	G
1053	.08	.01	66	80	18,5	13	38	3,2	-
1053	.10	.01	83	100	21,5	13	48	3,2	-
1053	.12	.01	99	120	24,5	16	60	3,2	-
1053	.14	.01	121	140	28,5	19	70	3,2	13
1053	.16	.01	140	160	29,5	24	80	3,2	13



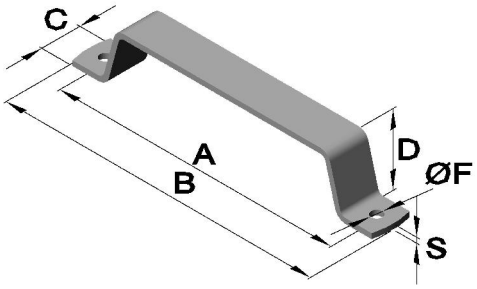
Art. no.: 3104/3105

Article no.				Dimensions in mm				
Series	Material: Raw Steel	Zinc plated Steel	Raw Stainless steel	A	B	C	D	E
3104	.00	.04	.30	120	96	29	29	1
3105	-	.04	-	96	73	29	28	1



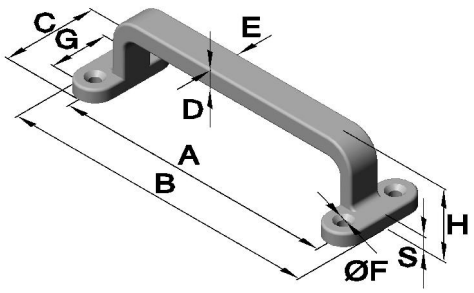
Art. no.: 6409 (drilled)

Article no.			Dimensions in mm					
Series	Material: Zinc plated Steel	Deburred Stainless steel	A	B	C	D	Ø F	S
6409	.04	.30	107	120	15	21	4,3	2



Art. no.: 6410 (drilled and countersunk)

Article no.			Dimensions in mm								
Series	Execution	Material: Polished Stainless steel	A	B	C	D	E	Ø F	G	H	S
6410	.01	.33	106	120	24	7	12	4,1	24	27	5
6410	.02	.33	126	150	30	8	15	5,3	30	33	6



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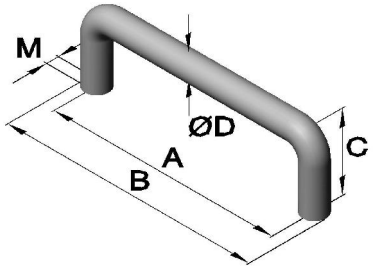
Pull handles

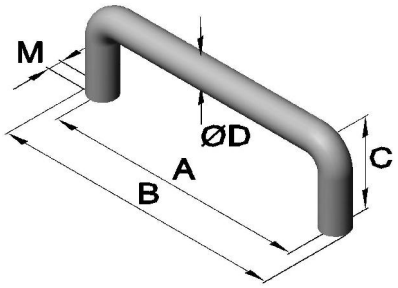
Art. no.: 6411 (with internal thread)

Article no.					Dimensions in mm					
Series	Execution	Material			A	B	C	Ø D	M	Thread length
		Nickel plated	Chromated	Anodised						
		Brass	Brass	Aluminium						
6411	.01	-	-	.70	52	60	34	8	M4	10
6411	.02	-	-	.70	80	88	34	8	M4	12
6411	.03	-	-	.70	100	108	34	8	M4	12
6411	.04	-	-	.70	120	128	34	8	M4	10
6411	.05	-	-	.70	100	108	30	7	M4	8
6411	.01	.21	.23	-	100	108	30	7	M4	8



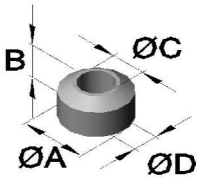
Art. no.: 6412 (with internal thread)

Article no.				Dimensions in mm					
Series	Execution	Material		A	B	C	Ø D	M	Thread length
		Chromated	Raw						
		Steel	Stainless steel						
6412	.01	.03	-	102	110	38	8	M5	14
6412	.02	.03	-	153	161	38	8	M5	14
6412	.03	.03	-	204	212	38	8	M5	14
6412	.01	-	.30	150	159	28	9	M4	8
6412	.02	-	.30	120	129	28	9	M4	8
6412	.03	-	.30	95	104	28	9	M4	8



Art. no.: 6412 for

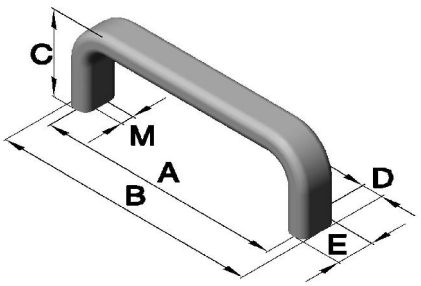
Art. no.: 6412.01.0
Art. no.: 6412.02.03
Art. no.: 6412.03.03



Article no.			Dimensions in mm			
Series	Execution	Material	Ø A	B	Ø C	Ø D
		Chromated				
		Brass				
6412	.01	.23	16	8	8,2	6

Art. no.: 6412 (with internal thread)

Article no.			Dimensions in mm					
Series	Execution	Material	A	B	C	D	M	Thread length
		Polished						
		Stainless steel						
6412	.01	.35	92	99,8	32	7,8	M5	10
6412	.02	.35	110	117,8	32	7,8	M5	10
6412	.04	.30	100	108	40	8	M5	11
6412	.05	.30	150	158	50	8	M5	11
6412	.06	.30	200	208	50	8	M5	11



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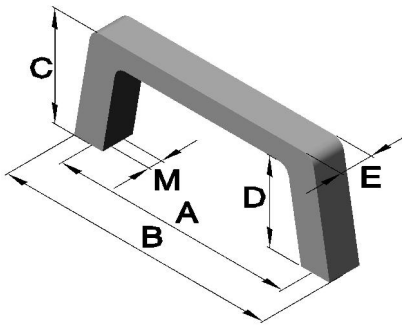
Pull handles

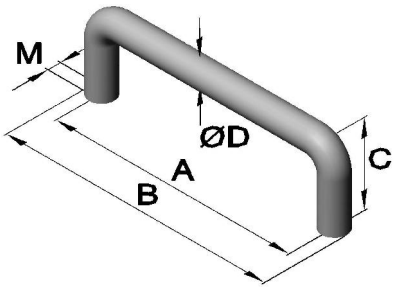
Art. no.: 6416

Article no.			Dimensions in mm						
Series	Execution	Material Black Aluminium	A	B	C	D	E	M	Thread length
6416	.01	.70	88	102	40	32	12,2	M5	10
6416	.02	.70	120	134	40	32	12,2	M5	10



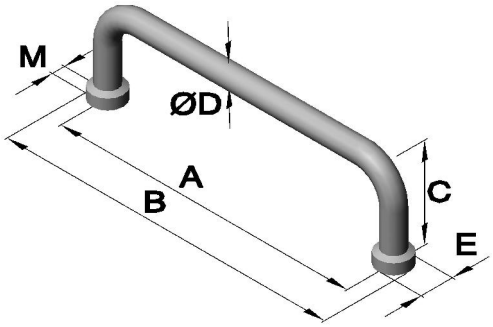
Art. no.: 6417 (with internal thread)

Article no.			Dimensions in mm					
Series	Execution	Material Polished Aluminium	A	B	C	Ø D	M	Thread length
6417	.01	.70	92	102	32	10	M5	10
6417	.02	.70	108	118	39	10	M4	10



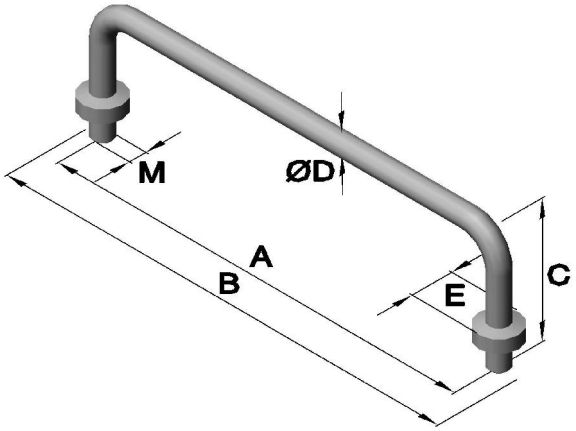
Art. no.: 6418 (with internal thread)

Article no.			Dimensions in mm						
Series	Execution	Material Polished Stainless steel	A	B	C	Ø D	E	M	Thread length
6418	.01	.30	110	122	35	8	12	M5	11



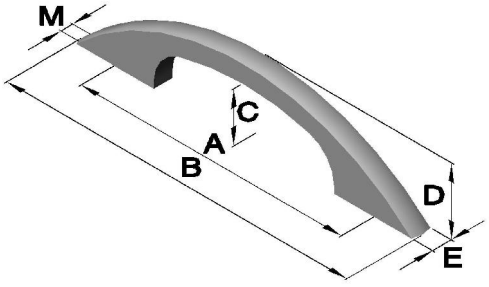
Art. no.: 6418 (with external thread)

Article no.			Dimensions in mm						
Series	Execution	Material Chromated Brass	A	B	C	Ø D	E	M	Thread length
6418	.01	.23	160	176	50	8	16	M8	10



Art. no.: 6418 (with internal thread)

Article no.			Dimensions in mm						
Series	Execution	Material Chromated Zamak	A	B	C	D	E	M	Thread length
6418	.01	.53	111	145	21	29	8	M4	5



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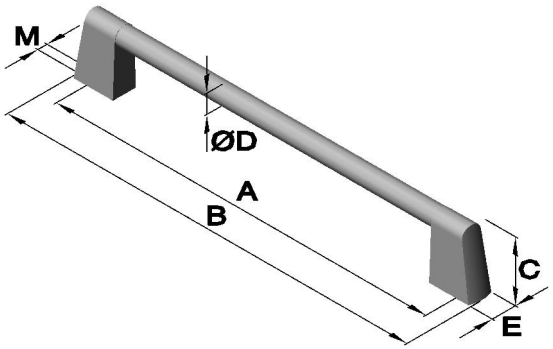
Pull handles

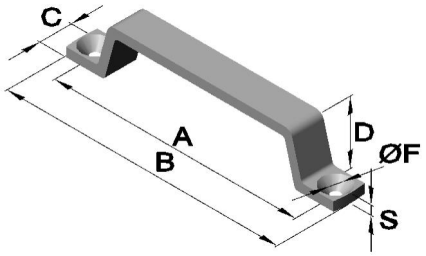
Art. no.: 6418 (with internal thread)

Article no.			Dimensions in mm						
Series	Execution	Material Black Zamak	A	B	C	Ø D	E	M	Thread length
6418	.01	.50	160	174	26	8	10	M4	8



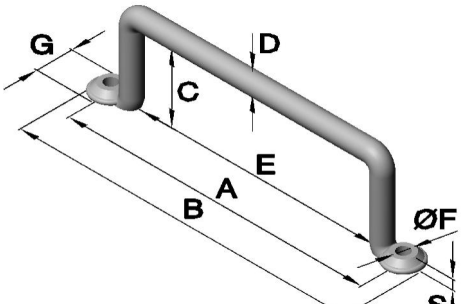
Art. no.: 6420 (drilled and countersunk)

Article no.			Dimensions in mm					
Series	Execution	Material Chromated	A	B	C	D	Ø F	S
6420	.03	Zamak	107	120	14	22	4,3*90°	4



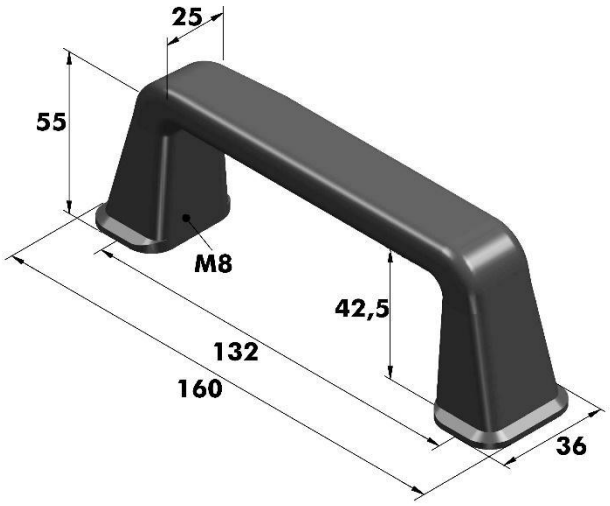
Art. no.: 6420 (drilled)

Article no.			Dimensions in mm							
Series	Execution	Material Zinc plated Steel	A	B	C	D	E	Ø F	G	S
6420	.10	.02	125	140	30	8	85	5,1	16	3



Art.no.:6422 (with internal thread)

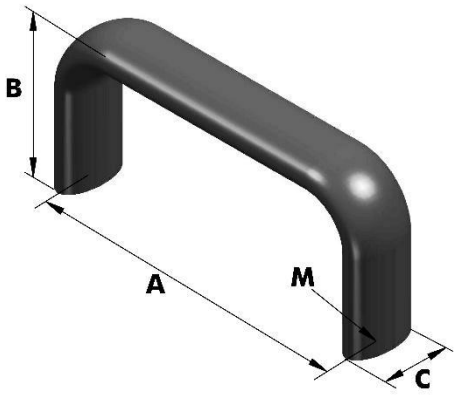
Article no.		
Series	Execution	Material Black
6422	.03	Plastic



Pull handles

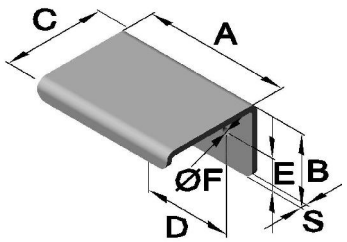
Art.no.:6424 (with internal thread)

Article no.			Dimensions in mm			
Series	Execution	Material Black	A	B	C	M
6424	.01	Aluminium	75	38	16	M5
6424	.02	Aluminium	100	38	16	M5
6424	.03	Aluminium	150	38	16	M5



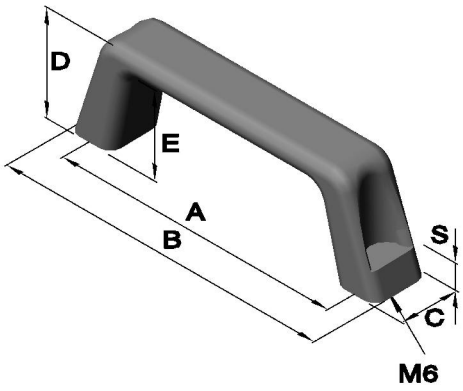
Art. no.: 6445

Article no.			Dimensions in mm						
Series	Execution	Material	A	B	C	D	E	Ø F	S
6445	.03	Chromated	50	25	35	30	11	4,2*90°	2



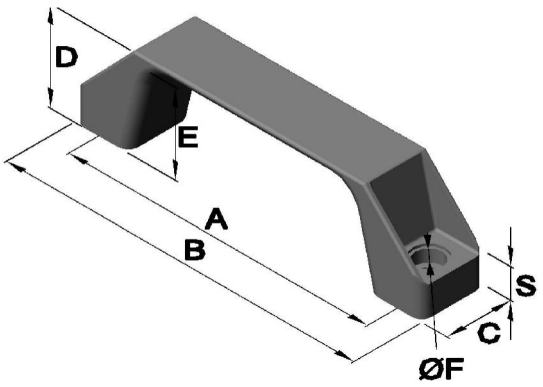
Art. no.: 7038 (with internal thread)

Article no.		Dimensions in mm					
Series	Material	A	B	C	D	E	S
7038	PA Black	162	178	26	46	36	15



Art. no.:6420/7039(drilled and countersunk for SW 10)

Article no.			Dimensions in mm						
Series	Execution	Material	A	B	C	D	E	Ø F	S
6420	.04	PA Black	122	142	26	40	32	6,2	12
6420	.05	PA Black	150	170	28	52	42	6,2	13
7039	-	PA Black	130	149	25	40	30	6,4	10



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Plastic handles and shell grips

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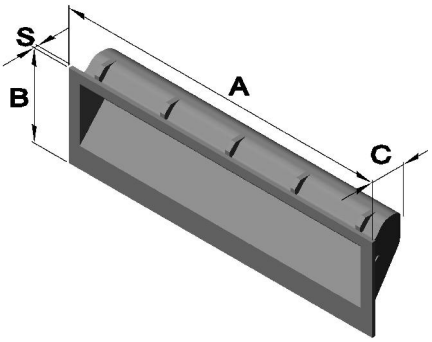
Plastic handles and shell grips

Art. no.: 6450
countersunk shell grip to clamp

For sheet thickness: 0.8 up to 1.5

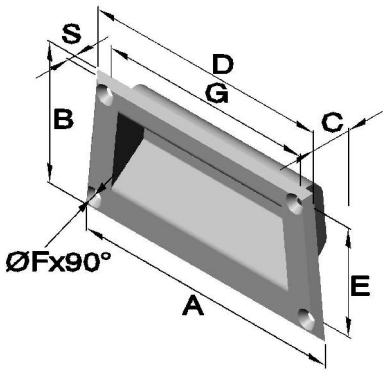
Installation opening: 132 x 30.7



Article no.				Dimensions in mm			
Series	Execution	Material		A	B	C	S
		ABS	Polyamide				
6450	.01	.70	-	137	37,4	18,6	1,6
6450	.02	-	.80	140	36	30	2,0

Art. no.: 6500 (drilled and countersunk)
countersunk shell grip to screw

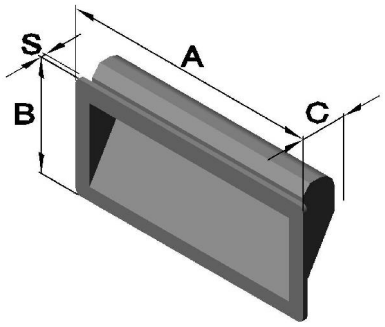
Installation opening: 73x37x83



Article no.		Dimensions in mm							
Series	Material	A	B	C	D	E	Ø F	G	S
	ABS								
6500	Grey	101	52	15	91	40,5	3,5	80,5	2,5

Art. no.: 6501
countersunk shell grip to clamp

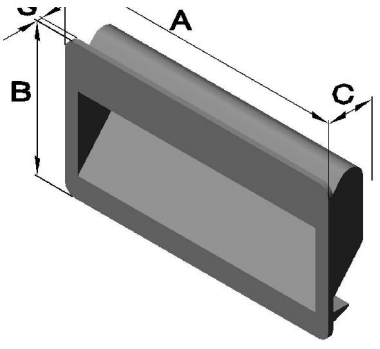
For sheet thickness: 0,75 up to 1,5
Installation opening: 34 x 83



Article no.		Dimensions in mm			
Series	Material	A	B	C	S
	Polyamide				
6501	Black	90	40	16	1,6

Art. no.: 6502
countersunk shell grip to clamp

For sheet thickness: 0,75 up to 1,5
Installation opening: 49 x103



Article no.		Dimensions in mm			
Series	Material	A	B	C	S
	ABS				
6502	Black	110	56,3	18	2,8

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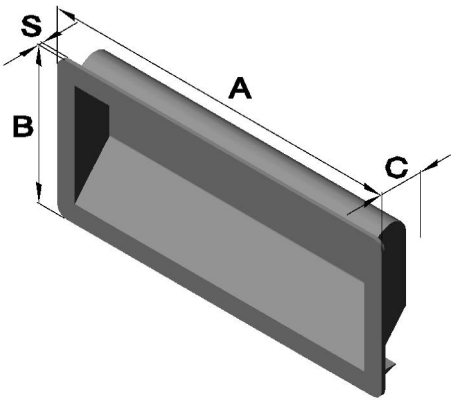
plastic handles and shell grips

Art. no.: 6503

countersunk shell grip to clamp

For sheet thickness: 1,5 up to 2,0

Installation opening: 73 x 171



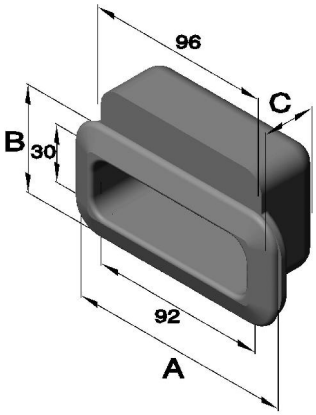
Article no.		Dimensions in mm			
Series	Material Plastic	A	B	C	S
6503	Black	187	79	22	2,9

Art. no.: 6504

countersunk shell grip to clamp

For sheet thickness: 2 mm

Installation opening: 106 x 39

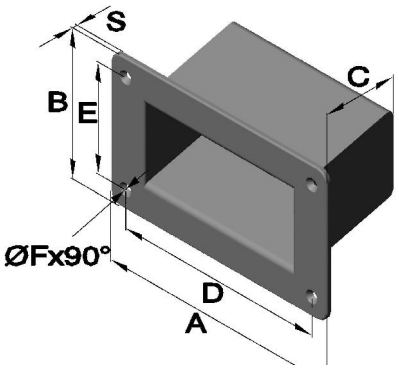


Article no.		Dimensions in mm		
Series	Material Elastomer (rubber)	A	B	C
6504	Black	120	58	43

Art. no.: 6505 (drilled and countersunk)

countersunk shell grip to screw

Installation opening: 104 x 50

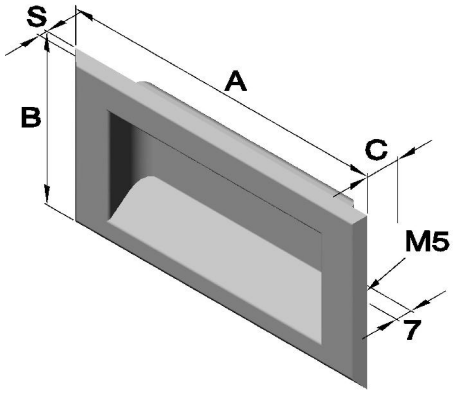


Article no.		Dimensions in mm						
Series	Material ABS	A	B	C	D	E	Ø F	S
6505	Black	131	79	58	112	58,8	3,5	2,5

Art. no.: 6506

countersunk shell grip to screw
with threaded bolt

Installation opening: 90 x 47



Article no.			Dimensions in mm			
Series	Execution	Material 1.4301 Satined	A	B	C	S
6506	.02	.30	120	62	16	3

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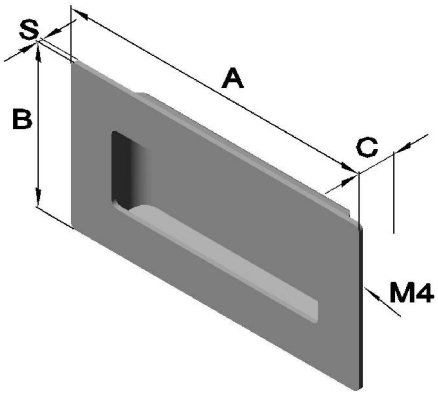
Plastic handles and shell grips

Art. no.: 6507 (with threaded bolt)

countersunk shell grip to screw

Installation opening: 91 x 45

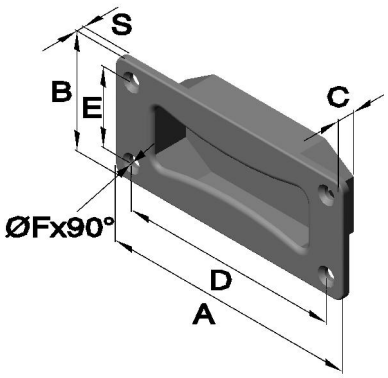


Article no.		Dimensions in mm			
Series	Material Satined Stainless steel	A	B	C	S
6507	.30	120	60	15	1,8

Art. no.: 6508 (drilled and countersunk)

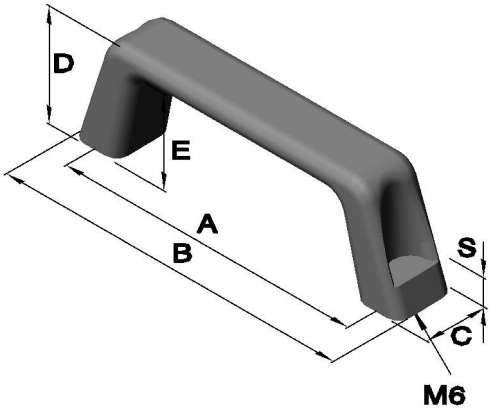
countersunk shell grip to screw

Installation opening: 104 x 50



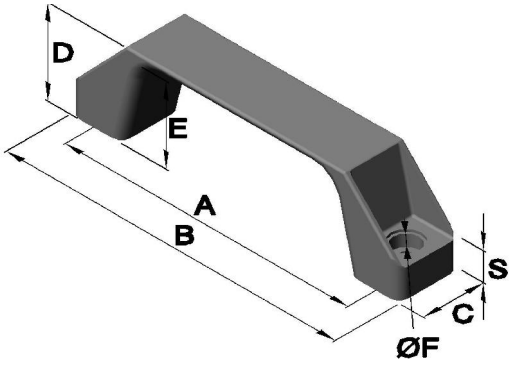
Article no.		dimensions in mm					
Series	Material Polyamide	A	B	C	D	E	Ø F
6508	Black	133	60	22	114	41	6

Art. no.: 7038 (with internal thread)



Article no.		Dimensions in mm					
Series	Material	A	B	C	D	E	S
7038	PA Black	161	178	26	46	37	15

Art. no.: 7039 (drilled and countersunk for SW 10)



Article no.			Dimensions in mm						
Series	Execution	Material	A	B	C	D	E	Ø F	S
6420	.04	PA Black	122	142	26	40	32	6,2	12
6420	.05	PA Black	150	170	28	52	42	6,2	13
7039	-	PA Black	130	149	25	40	30	6,4	10

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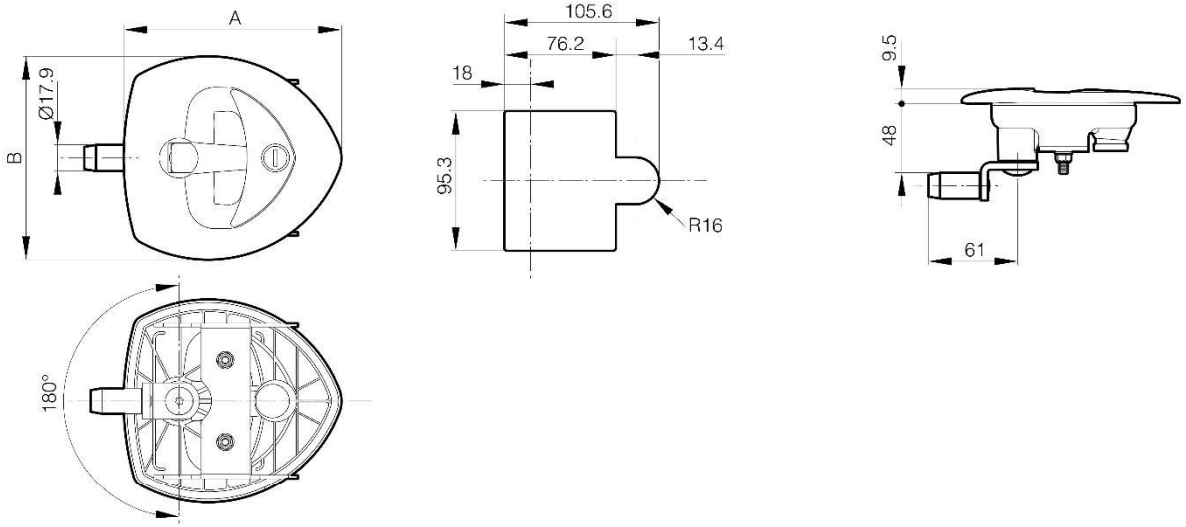
plastic handles and shell grips

Art.no. 6389

Flush T-handle with a 4mm compression stroke.
Equipped with intergrated PUR-gasket, protection degree IP65.

Other key numbers and cams are available on request.

Article no.			Dimensions in mm		Tongue
Series	Execution	Material Black Polyamid/ Zamak	A	B	
6389	.01	.80	149	139	1 Point (H48)



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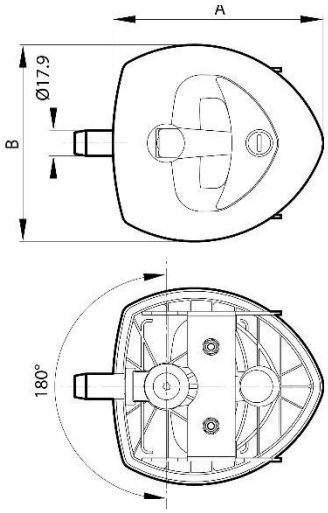
Plastic handles and shell grips

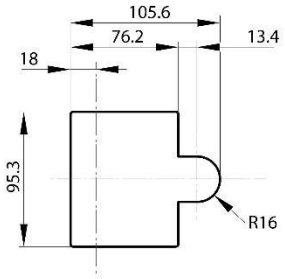
Art.no. 6390

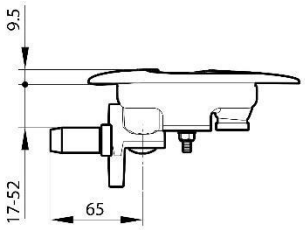
Flush T-handle with a 4mm compression stroke.
Equipped with intergrated PUR-gasket, protection degree IP65.

Other key numbers and cams are available on request.

Article no.			Dimensions in mm		Tongue
Series	Execution	Material Black Polyamid/ Zamak	A	B	
6390	.01	.80	149	139	1Point adjustable (H17-52)







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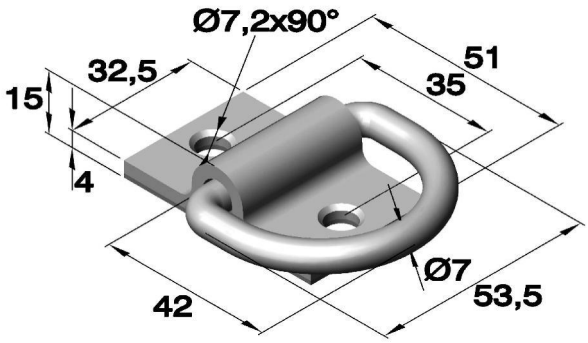
Lashing lugs

Ordering example:
Art.no. 6072 .01/02 .04/30

- 6072 — Series
- .01/02 — Model
- .04/30 — Material (zinc plated / stainless steel)

Art. no.: 3106

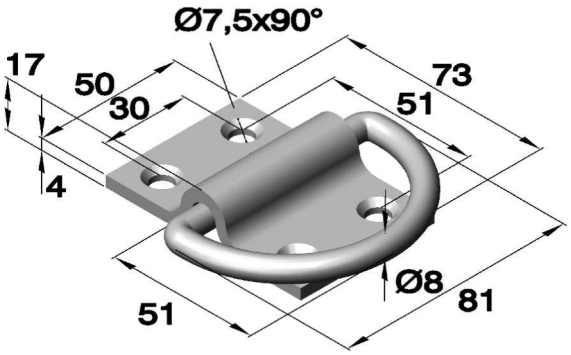
Lashing lugs



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3106	.04	.30

Art. no.: 3107

Lashing lugs



Article no.	
Series	Material
	Zinc plated
	Steel
3107	.04

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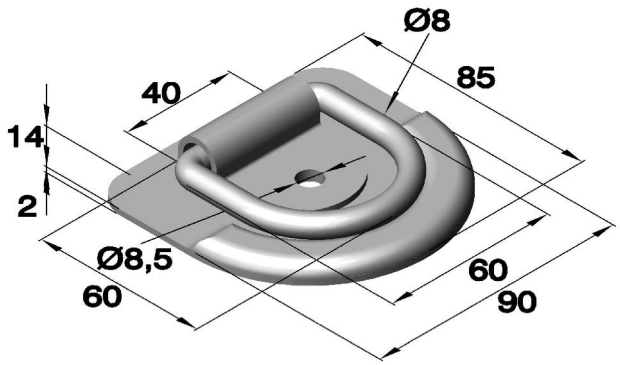
Lashing lugs

Art. no.: 3109

Lashing lugs

Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
3109	.04	.30



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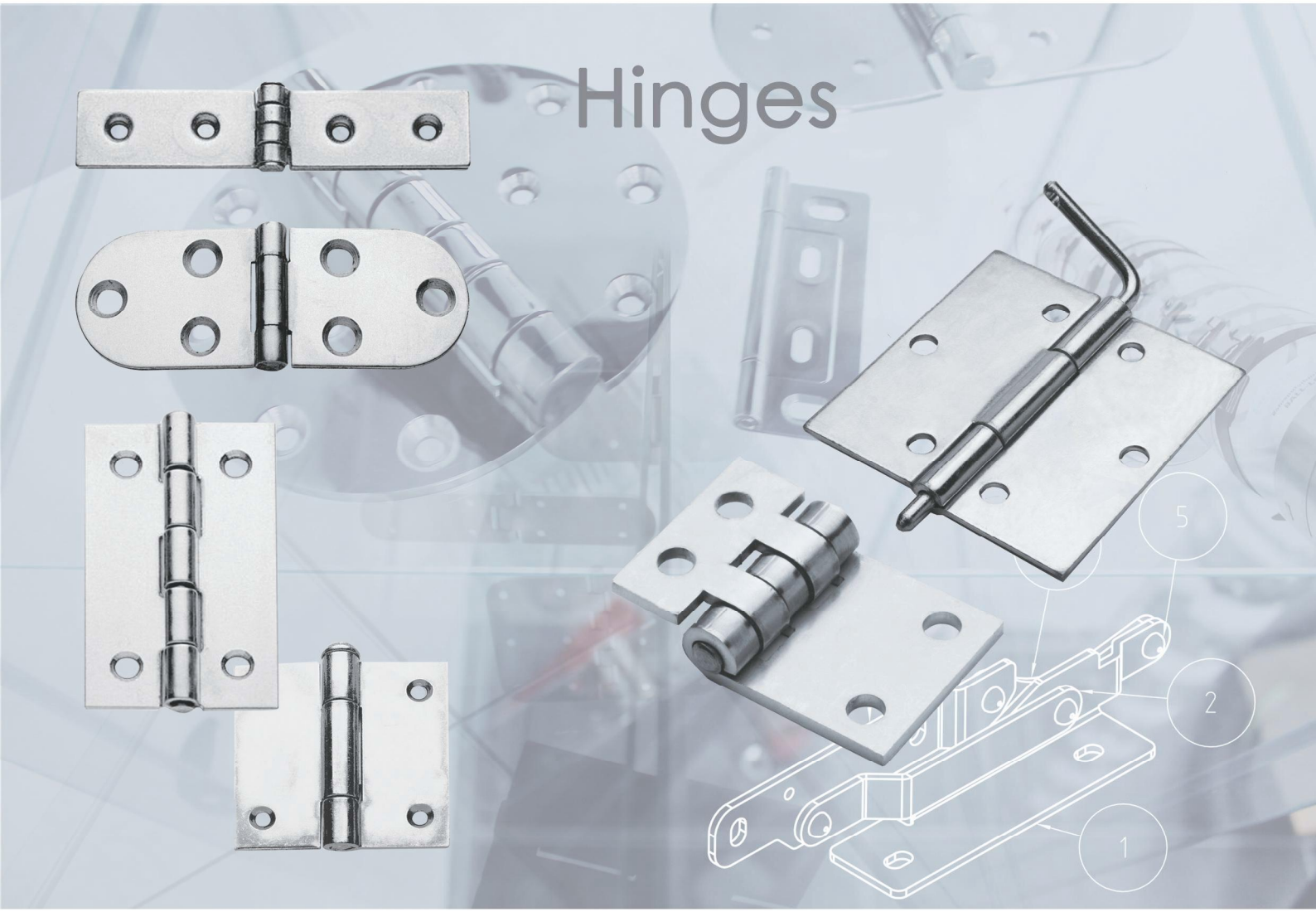
Hinges



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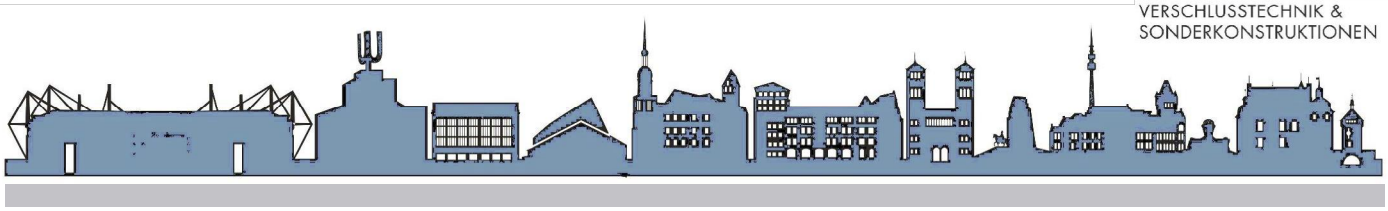

FOLDER 4 HINGES

FOLDER 1 LATCHES

FOLDER 2 TENSION BANDS

FOLDER 3 HANDLES

FOLDER 4 HINGES

PIANO HINGES E-1

HINGES ..... F

- HINGES F-1
- HEAVY HINGES F-17
- INDIVIDUAL PARTS FOR SELFMADE HINGES F-35
- SPRING HINGES F-41
- PLASTIC HINGES F-61
- TORQUE HINGES F-71
- CONCEALED HINGES F-81
- HINGE FOR VEHICLE CONSTRUCTION AND PLANT ENGINEERING F-101
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WELD ON HINGES / -ROLLS ..... G

- WELD ON HINGES G-1
- WELD ON HINGE ROLLS G-15

FOLDER 5 LOCKING DEVICES

FOLDER 6 THREADED INSERTS

FOLDER 7 SUNDRIES

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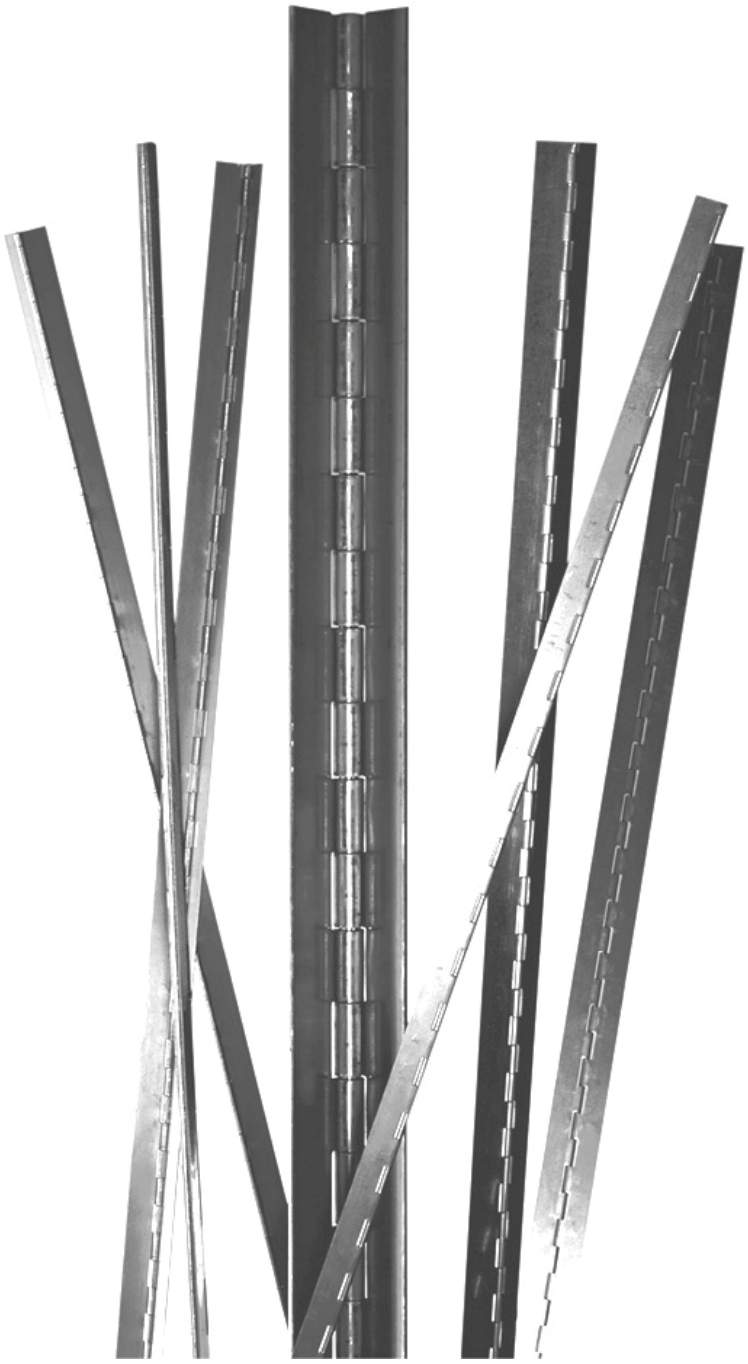
Piano hinges



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Piano hinges

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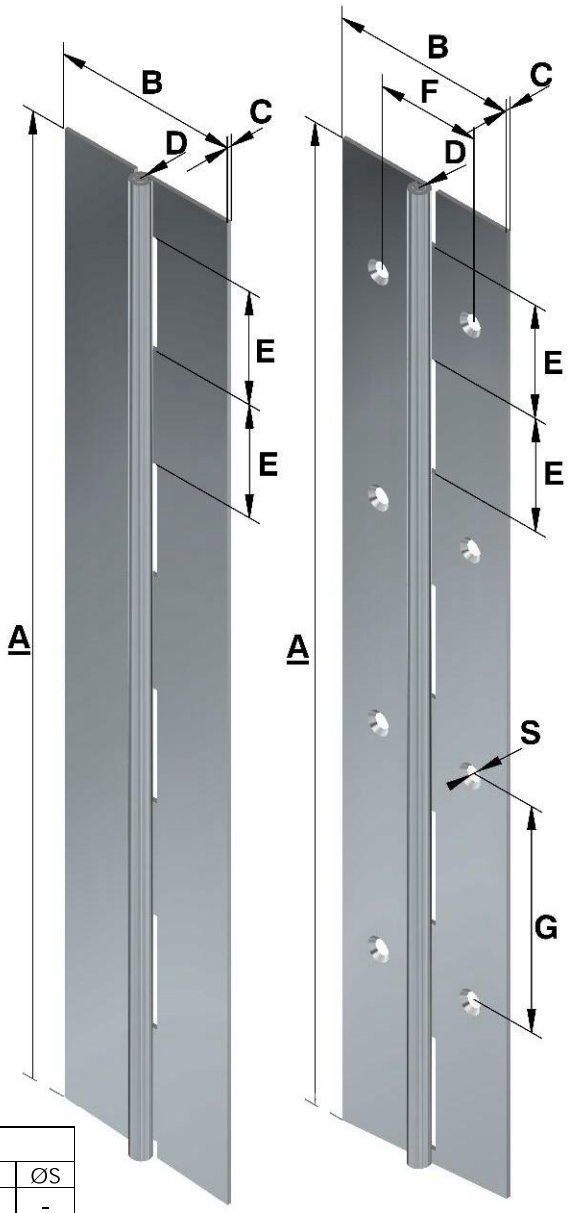
Ordering example:
Art.no. 6702. 00/30

Material (steel / stainless steel)
Series



Piano hinges, rolled

Width: 15 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6702.00	Steel	Steel	2040	15	0,7	1,6	15

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

Width: 20 mm

Art. no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	DØ	E	F	G	ØS
6711.00	Steel	Steel	2040	20	0,8	2	15	11,2	60	2,8
6712.30	Stainless steel	Stainless steel	2040	20	0,8	2	15	11,2	60	2,8
6716.70	Aluminium	Steel	2000	20	0,6	2,4	15	-	-	-
6717.00	Steel	Steel	2040	20	0,8	2	15	-	-	-
6718.30	Stainless steel	Stainless steel	2040	20	0,8	2	15	-	-	-

Width: 25 mm

Art. no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	DØ	E	F	G	ØS
6703.70	Aluminium	Steel	1000	25	0,8	2	15	-	-	-
6706.30	Stainless steel	Stainless steel	1020	25	0,8	2	15	-	-	-
6707.30	Stainless steel Seawater resistant	Stainless steel	1980	25	0,8	2	15	-	-	-
6719.30	Stainless steel	Stainless steel	1800	25	1	2	15	-	-	-
6720.04	Steel	Brass	1800	25	1,2	3	30	-	-	-
6721.00	Steel	Steel	2040	25	0,8	2	15	14,2	60	2,8
6726.00	Steel	Steel	2040	25	0,8	2	15	-	-	-
6728.30	Stainless steel	Stainless steel	2040	25	0,8	2	15	-	-	-
6729.30	Stainless steel	Stainless steel	2040	25	1	2	15	-	-	-
6730.30	Stainless steel	Stainless steel	2040	25	0,8	2	15	14,2	60	3,6

Zinc plated steel - the hinge is prepared from already zinc plated steel.
The edge cuts are, thus, not zinc plated. Hinges can be delivered in other lengths, according to enquiry.
Other perforations/perforation distances are possible, according to enquiry

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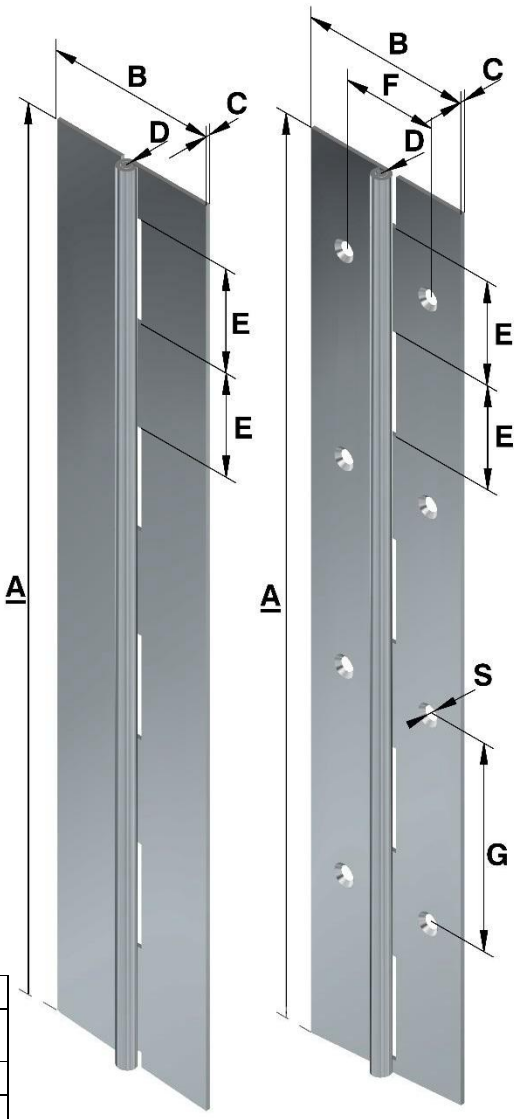
Piano hinges

Width: 30 mm

Art. no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	DØ	E	F	G	ØS
6708.70	Aluminium	Aluminium	1980	30	1	2	15	-	-	-
6709.30	Stainless steel	Stainless steel	1020	30	0,8	2	15	-	-	-
6710.30	Stainless steel Seawater resistant	Stainless steel	1020	30	1	2	15	-	-	-
6731.00	Steel	Steel	2040	30	0,8	2	15	16,8	60	3,9
6733.00	Steel	Steel	2040	30	1	2	15	16,8	60	3,9
6735.00	Steel	Steel	2040	30	0,8	2	15	-	-	-
6736.30	Stainless steel	Stainless steel	2040	30	0,8	2	15	-	-	-
6738.30	Stainless steel	Stainless steel	2040	30	1	2	15	16,8	60	3,9
6740.30	Stainless steel	Stainless steel	1800	30	1	2	15	-	-	-
6741.00	Steel	Steel	2040	30	1	2	15	-	-	-
6742.30	Stainless steel	Stainless steel	2040	30	1	2	15	-	-	-
6743.30	Seawater resistant Stainless steel	Stainless steel	2040	30	1	2	15	-	-	-
6745.30	Stainless steel	Stainless steel	1995	30	1,5	4	30	-	-	-
6746.30	Stainless steel	Stainless steel	1995	30	2	6	25	-	-	-
6747.00	Steel	Steel	2000	30	2	6	30	-	-	-

Hinges can be delivered in other lengths, according to enquiry.
Other perforations/perforation distances are possible, according to enquiry.



Width: 32 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6749.30	Stainless steel	Stainless steel	1800	32	1,2	3	30
6750.00	Steel	Steel	1950	32	1,5	3	12,5
6750.30	Stainless steel	Stainless steel	1950	32	1,5	3	12,5

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

Width: 35 mm

Art. no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	D Pin Ø	E	F	G	Ø S
6753.00	Steel	Steel	2040	35	1	2	15	19,5	60	4,5
6754.00	Steel	Steel	2040	35	1	2	15	-	-	-
6755.70	Aluminium	Aluminium	1995	35	1	3	30	-	-	-

Hinges can be delivered in other lengths, according to enquiry.
Other perforations/perforation distances are possible, according to enquiry.

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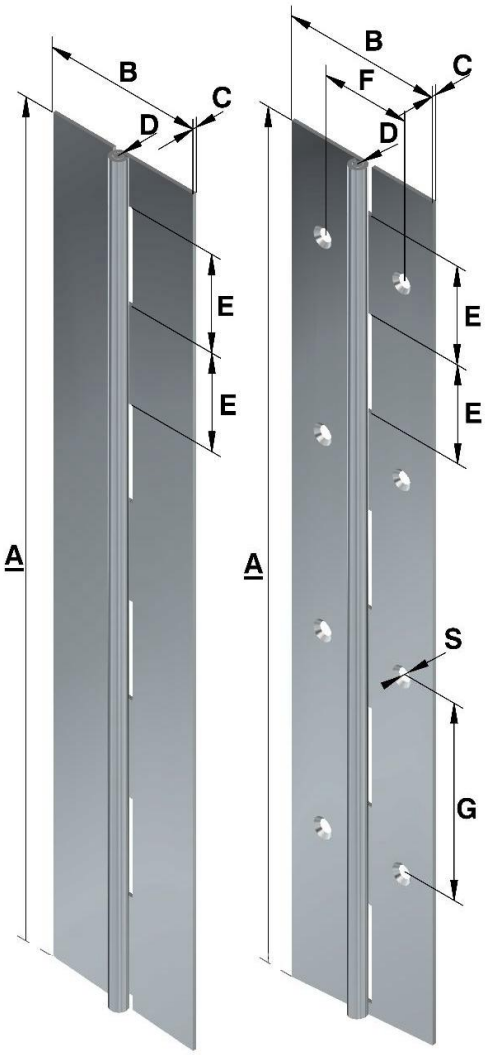
Piano hinges

Width: 40 mm

Art. no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	DØ	E	F	G	ØS
6757.70	Aluminium	Aluminium	1000	40	1,2	3	30	-	-	-
6758.04	Zinc plated steel	Brass	1800	40	1,2	3	30	-	-	-
6759.30	Stainless steel	Stainless steel	1800	40	1,2	3	30	-	-	-
6760.35	Stainless steel	Stainless steel	2040	40	1,2	3	30	22,7	60	4,2
6763.00	Steel	Steel	2040	40	0,8	2	15	-	-	-
6764.30	Stainless steel	Stainless steel	2040	40	0,8	2	15	-	-	-
6765.00	Steel	Steel	2040	40	1,2	3	30	22,7	60	3,2
6767.00	Steel	Steel	2040	40	1,2	3	30	-	-	-
6769.70	Aluminium	Aluminium	2000	40	1,2	3	20	-	-	-
6770.30	Stainless steel	Stainless steel	1020	40	1,2	3	30	-	-	-
6771.30	Stainless steel	Stainless steel	2040	40	1,2	3	30	-	-	-
6773.00	Steel	Steel	2040	40	1,5	4	15	-	-	-
6774.30	Stainless steel	Stainless steel	2040	40	1,5	4	15	-	-	-
6775.30	Stainless steel Seawater resistant	Stainless steel	2040	40	1,5	4	15	-	-	-
6776.70	Aluminium	Aluminium	2040	40	1,5	4	15	-	-	-
6779.30	Stainless steel	Stainless steel	2040	40	1,5	4	15	22,7	60	4
6756.00	Steel	Steel	1950	40	1,5	3	12,5	-	-	-
6756.30	Stainless steel	Stainless steel	1950	40	1,5	3	12,5	-	-	-
6799.30	Stainless steel Seawater resistant	Stainless steel	1020	40	1,5	4	15	-	-	-



Zinc plated steel - the hinge is prepared from already zinc plated steel.
The edge cuts are, thus, not zinc plated.
Hinges can be delivered in other lengths, according to enquiry.

Width: 44 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	DØ	E
6777.30	Stainless steel	Stainless steel	2040	44	2	6	30

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

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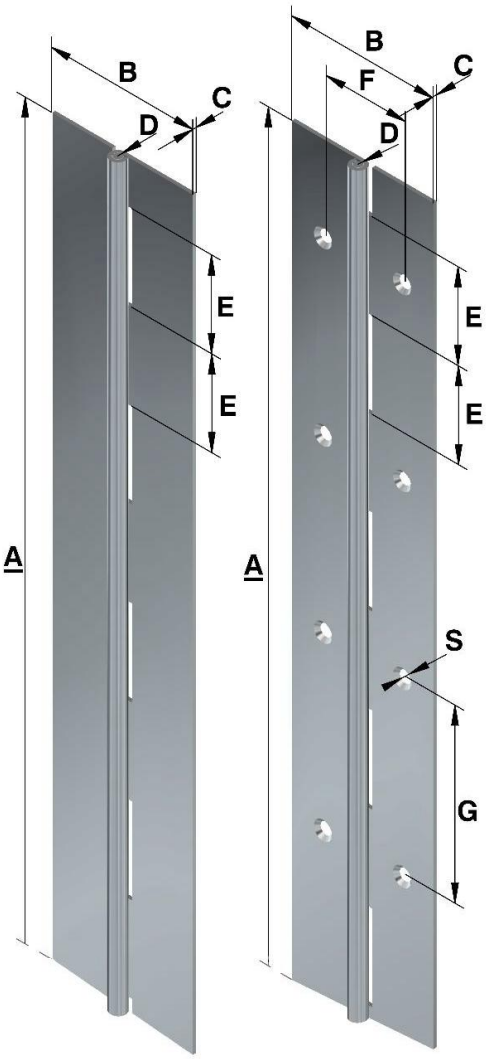
Piano hinges

Width: 50 mm

Art. no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	DØ	E	F	G	ØS
6781.00	Steel	Steel	2040	50	1,2	3	30	-	-	-
6783.00	Steel	Steel	2040	50	1,2	3	30	28	60	4
6784.70	Aluminium	Aluminium	2000	50	1,2	3	20	-	-	-
6785.30	Stainless steel	Stainless steel	2040	50	1,2	3	30	-	-	-
6786.70	Aluminium	Aluminium	2000	50	1,5	4	15	-	-	-
6787.30	Stainless steel	Stainless steel	2000	50	2	4	25	-	-	-
6788.00	Steel	Steel	2040	50	2	6	30	-	-	-
6790.04	Zinc plated steel	Brass	1800	50	1,2	3	30	-	-	-
6791.30	Stainless steel	Stainless steel	1800	50	1,2	3	30	-	-	-
6792.30	Stainless steel	Stainless steel	2040	50	1,2	3	30	28	60	4
6793.30	Stainless steel	Stainless steel	1800	50	1,5	4	15	-	-	-
6794.30	Stainless steel Seawater resistant	Stainless steel	2040	50	1,2	3	30	-	-	-
6798.00	Steel	Steel	1950	50	1,5	3	12,5	-	-	-
6798.30	Stainless steel	Stainless steel	1950	50	1,5	3	12,5	-	-	-
6809.70	Aluminium	Aluminium	1000	50	1,5	4	15	-	-	-
6822.30	Stainless steel	Stainless steel	1020	50	1,2	3	30	-	-	-
6823.30	Stainless steel Seawater resistant	Stainless steel	1020	50	1,2	3	20	-	-	-



Zinc plated steel - the hinge is prepared from already zinc plated steel.
The edge cuts are, thus, not zinc plated.
Hinges can be delivered in other lengths, according to enquiry.
Other perforations/perforation distances are possible, according to enquiry.

Width: 57 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	DØ	E
6795.04	Galvanized steel	Brass	2160	57	1,5	4	15
6796.30	Stainless steel	Stainless steel	2160	57	1,5	4	15
6797.04	Galvanized steel	Brass	2160	57	2	6	30

Galvanized Steel - the hinge is prepared from already zinc plated steel.
The edge cuts are, thus, not zinc plated.
Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

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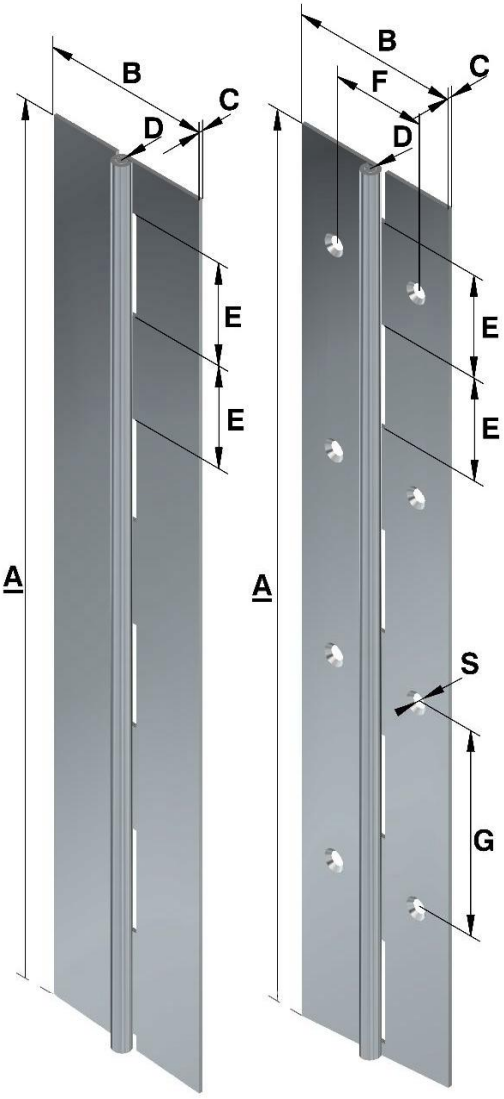
Piano hinges

Width: 60 mm

Art. no.	Material		dimensions in mm							
	Rod	Pin	A	B	C	DØ	E	F	G	ØS
6704.30	Stainless steel	Stainless steel	1020	60	2	6	30	-	-	-
6705.30	Stainless steel Seawater resistant	Stainless steel	1020	60	2	6	30	-	-	-
6801.00	Steel	Steel	2000	60	1,5	8	40	-	-	-
6802.00	Steel	Steel	2000	60	1,5	5	40	-	-	-
6803.00	Steel	Steel	2040	60	2	6	30	-	-	-
6804.30	Stainless steel	Stainless steel	2040	60	2	6	30	-	-	-
6805.30	Seawater resistant Stainless steel	Stainless steel	2040	60	2	6	30	-	-	-
6806.70	Aluminium	Aluminium	2000	60	2	6	30	-	-	-
6807.30	Stainless steel	Stainless steel	2040	60	2	6	30	35	60	4

Hinges can be delivered in other lengths, according to enquiry.
Other perforations/perforation distances are possible, according to enquiry.



Width: 63 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	DØ	E
6808.30	Stainless steel	Stainless steel	1800	63	1,5	4	15

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

Width: 70 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	DØ	E
6810.30	Stainless steel	Stainless steel	1800	70	1,5	4	15
6811.00	Steel	Steel	2040	70	2	6	30
6812.30	Stainless steel	Stainless steel	2040	70	2	6	30

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

Width: 76 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	DØ	E
6817.04	galvanized Steel	Brass	2160	76	1,5	4	15
6818.30	Stainless steel	Stainless steel	2160	76	1,5	4	15

Galvanized steel - the hinge is prepared from already zinc plated steel.
The edge cuts are, thus, not zinc plated.
Hinges can be delivered in other lengths, according to enquiry.
Other perforations/perforation distances are possible, according to enquiry.

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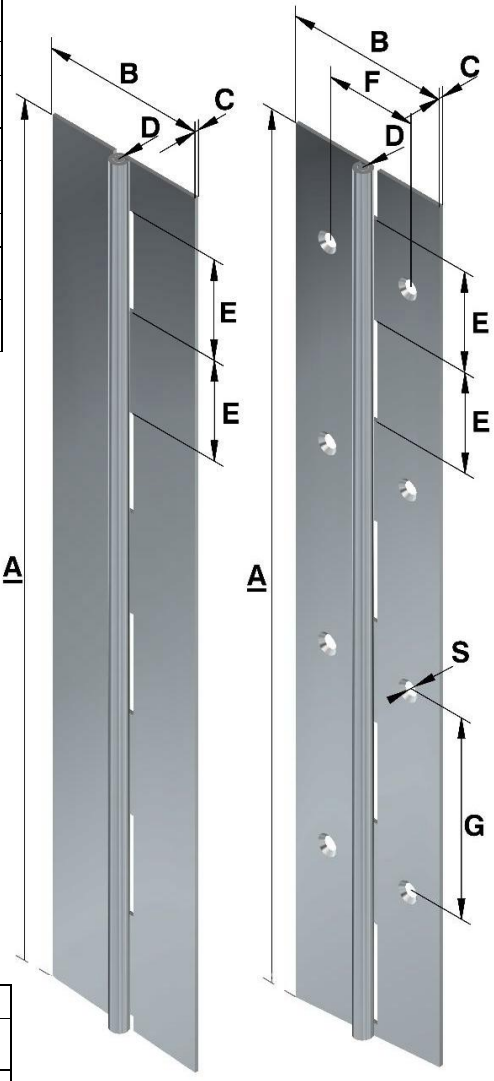
Piano hinges

Width: 80 mm

Art. no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	DØ	E	F	G	S
6813.00	Steel	Steel	2000	80	2	7,6	40	-	-	-
6814.30	Stainless steel	Stainless steel	1000	80	3	6	40	-	-	-
6815.00	Steel	Steel	2000	80	3	6	40	-	-	-
6816.30	Stainless steel	Stainless steel	2000	80	3	6	40	-	-	-
6819.00	Steel	Steel	1950	80	1,5	3	12,5	-	-	-
6819.30	Stainless steel	Stainless steel	1950	80	1,5	3	12,5	-	-	-
6820.70	Aluminium	Aluminium	2000	80	3	6	40	-	-	-
6828.30	Stainless steel	Stainless steel	2000	80	3	6	40	35	60	5,2
6829.30	Stainless steel Seawater resistant	Stainless steel	1980	80	2	6	30	-	-	-

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.



Width: 100 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	DØ	E
6830.00	Steel	Steel	2000	100	3	10	40
6830.30	Stainless steel *on enquiry*	Stainless steel	2000	100	3	10	40
6836.00	Steel	Steel	1000	100	4	10	40
6836.70	Aluminium	Steel	1000	100	4	10	40
6838.30	Stainless steel	Stainless steel	2000	100	3	6	40

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

Width: 120 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6831.30	Stainless steel	Stainless steel	2100	120	2	6	30
6840.00	Steel	Steel	1000	120	5	10	40

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

Width: 127 mm

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D	E
6833.04	zinc plated steel	brass	2160	127	3	6	40

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry. The hinge is prepared from already zinc plated steel.
The edge cuts are, thus, not zinc plated.

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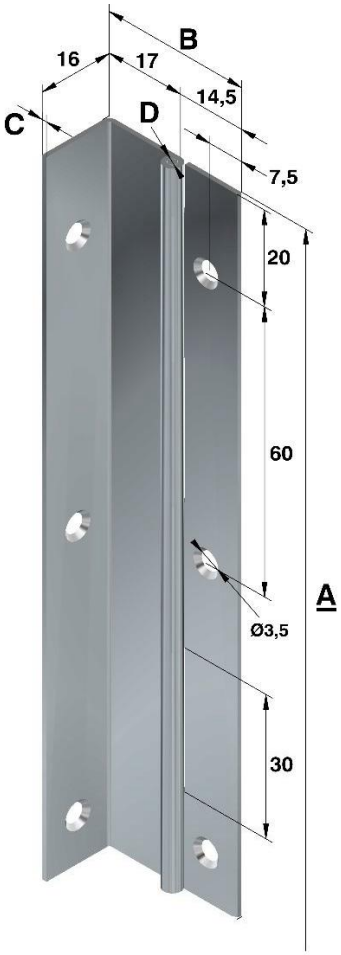
Piano hinges

Piano hinges, rolled, angulated

1 angulated leaf

Art. no.	Material		Dimensions in mm			
	Rod	Pin	A	B	C	D Pin Ø
6832.04	Zinc plated	Stainless steel	1000	31,5	1	2
6834.04	Zinc plated	Stainless steel	2000	31,5	1	2
6835.30	Stainless steel	Stainless steel	2000	31,5	1	2

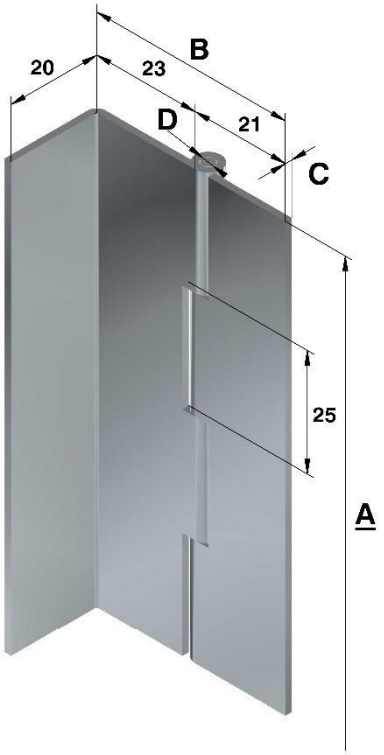
Hinges can be delivered in other lengths, according to enquiry.
Other perforations/perforation distances are possible, according to enquiry.



1 angulated leaf

Art. no.	Material		Dimensions in mm			
	Rod	Pin	A	B	C	D Pin Ø
6837.04	Zinc plated	Stainless steel	2000	44	1,5	3
6837.30	Stainless steel	Stainless steel	2000	44	1,5	3
6839.30	Stainless steel	Stainless steel	1600	44	1,5	3

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.



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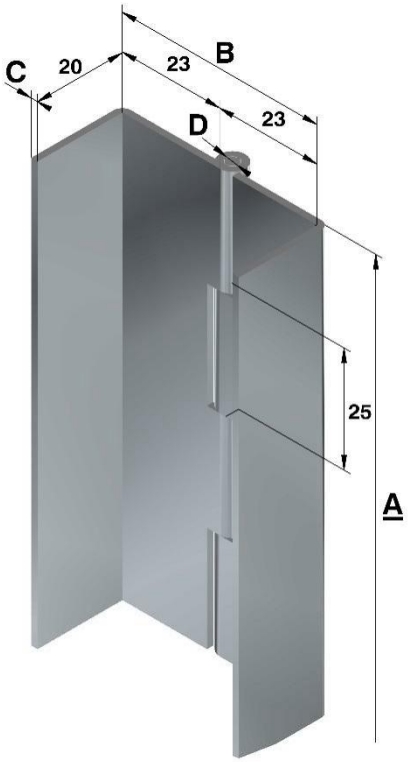
Piano hinges

2 angulated leaf

Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6844.04	Zinc plated	Stainless steel	2000	46	1,5	3	25
6846.30	Stainless steel	Stainless steel	2000	46	1,5	3	25

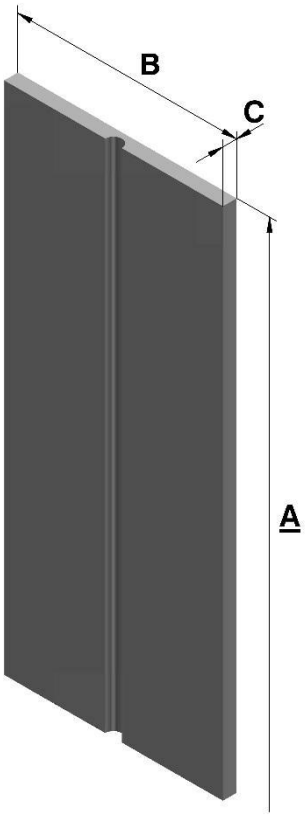
Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.



Plastic hinges in rolls of 15.25 m

Technical information:
Temperature: - 40° C up to + 80°C.
Fixing with rivets, bolts, nails, bars.
Chemical resistance: oil, seawater, solvents and most chemical substances.

Art. no.	Colour	Material	Dimensions in mm		
			A	B	C
6521.01	White	Polypropylene	15250	28,6	3,2
6521.02	Gray	Polypropylene	15250	28,6	3,2
6521.03	Black	Polypropylene	15250	28,6	3,2
6522.01	White	Polypropylene	15250	38,1	3,2
6522.02	Gray	Polypropylene	15250	38,1	3,2
6522.03	Black	Polypropylene	15250	38,1	3,2
6523.01	White	Polypropylene	15250	50,8	3,2
6523.02	Gray	Polypropylene	15250	50,8	3,2
6523.03	Black	Polypropylene	15250	50,8	3,2
6524.01	White	Polypropylene	15250	76,2	3,2
6524.02	Gray	Polypropylene	15250	76,2	3,2
6524.03	Black	Polypropylene	15250	76,2	3,2



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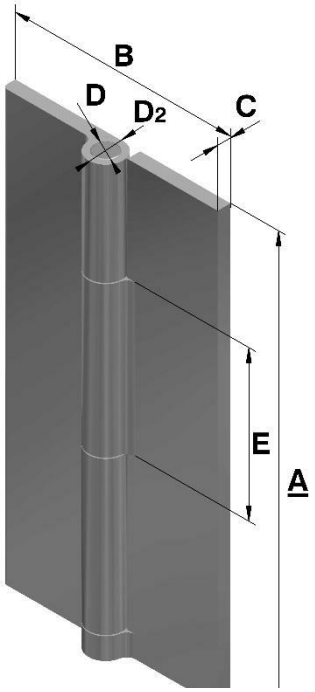
Piano hinges

Aluminium profile hinge

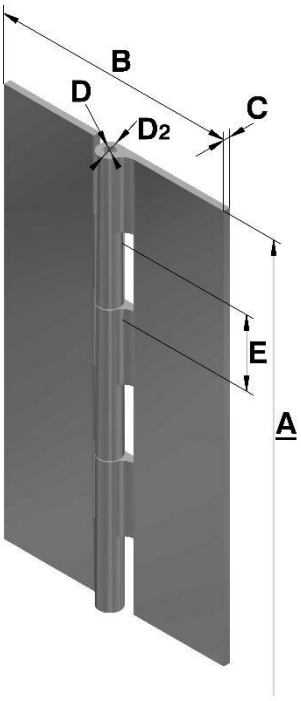
Width 50



Art. no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6848.70	Aluminium 6060 T5	Stainless steel	2000	50	3	5,2	35,5

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

Aluminium profile hinge
comparable Military Standard (MS)



Art.Nr.	Werkstoff		Abmessungen in mm				
	Rod Alu 6082 T5	Pin	A	B	C	D Pin Ø	E
MS-6841.71	Anodized colorless	Stainless steel	915	31,75	1,3	2,2	12,7
MS-6841.72	Anodized blue	Stainless steel	915	31,75	1,3	2,2	12,7
MS-6841.73	Anodized red	Stainless steel	915	31,75	1,3	2,2	12,7
MS-6841.74	Anodized bronze	Stainless steel	915	31,75	1,3	2,2	12,7
MS-6841.75	Anodized gold	Stainless steel	915	31,75	1,3	2,2	12,7
MS-6842.70	Raw	Stainless steel	1830	31,75	1,3	2,2	12,7
MS-6844.71	Anodized colorless	Stainless steel	915	38,1	1,3	2,2	12,7
MS-6846.70	Raw	Stainless steel	1830	38,1	1,3	2,2	12,7
MS-6845.70	Raw	Stainless steel	1830	44,45	1,3	2,2	12,7
MS-6847.71	Anodized colorless	Stainless steel	915	44,45	1,3	2,2	12,7
MS-6847.72	Anodized blue	Stainless steel	915	44,45	1,3	2,2	12,7
MS-6847.73	Anodized red	Stainless steel	915	44,45	1,3	2,2	12,7
MS-6847.74	Anodized bronze	Stainless steel	915	44,45	1,3	2,2	12,7
MS-6847.75	Anodized gold	Stainless steel	915	44,45	1,3	2,2	12,7
MS-6843.71	Anodized colorless	Stainless steel	915	63,5	1,3	2,2	12,7
MS-6843.72	Anodized blue	Stainless steel	915	63,5	1,3	2,2	12,7
MS-6843.73	Anodized red	Stainless steel	915	63,5	1,3	2,2	12,7
MS-6843.74	Anodized bronze	Stainless steel	915	63,5	1,3	2,2	12,7
MS-6843.75	Anodized gold	Stainless steel	915	63,5	1,3	2,2	12,7
MS-6849.70	Raw	Stainless steel	1830	63,5	1,3	2,2	12,7

Hinges can be delivered in other lengths, according to enquiry.
Completion may be perforated, according to enquiry.

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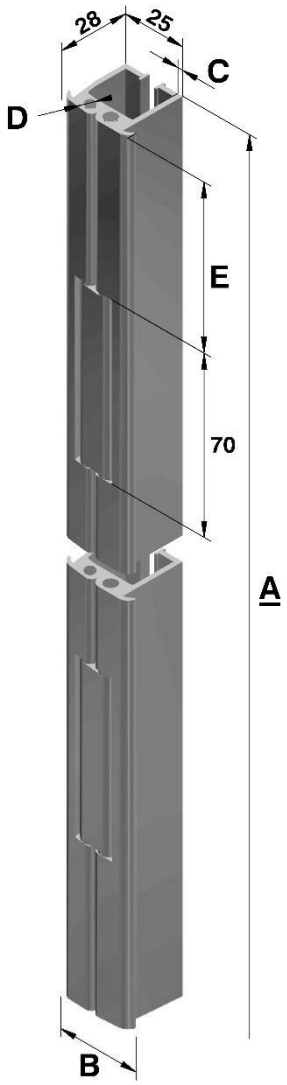
Piano hinges

Aluminium profile hinge with double articulation

Opening angle of 180° without sealing (ordered separately)

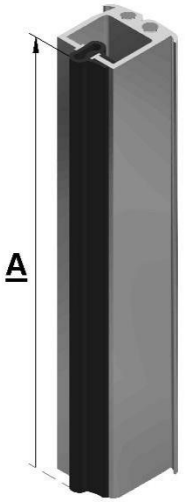
Art. no.	Material		Dimensions in mm		
	Rod	Pin	A	B	D Pin Ø
6850.70	Aluminium 6060 T5	Stainless steel	2000	65	5
6851.70	Aluminium 6060 T5	Stainless steel	2500	15	5
6852.70	Aluminium 6060 T5	Stainless steel	3000	115	5



Sealing

for hinge with double articulation

Art. no.	Material	Dimensions in mm
		A
6853.D	Rubber, Black	2000
6854.D	Rubber, Black	2500
6855.D	Rubber, Black	3000



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Piano hinges

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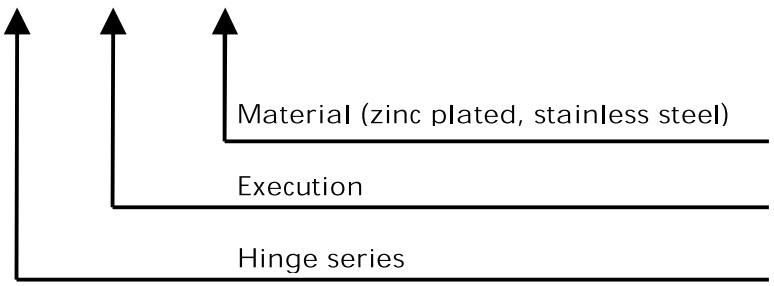
Hinges

Materials and surface finishes:

.00	Raw steel
.01	Nickel-plated
.02	Brassed
.03	Chromated
.04	Zinc plated steel
.05	Bronzed
.06	Black zinc plated
.07	Blued
.08	Yellow chromated
.09	EPD (Electrophoretic deposition)
.10	Anodized silver-coloured
.20	Raw Brass
.22	Polished Brass
.23	Chromated Brass
.30	Raw stainless steel (1.4301)
.33	Polished stainless steel
.35	Raw stainless steel (1.4401)
.50	Raw Zamak (zinc aluminium magnesium copper)
.70	Raw aluminium
.80	Raw polyamide

Ordering example:

Art.no 6001. 01/02. 04/30



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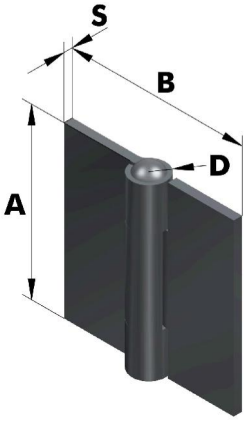
Hinges

Art. no.: 6001

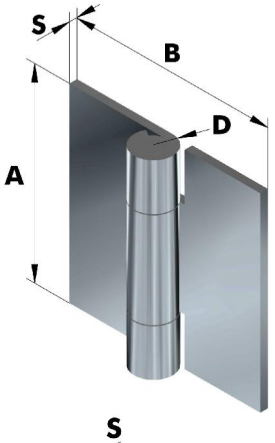
with extractable pin



Article no.			Dimensions in mm				
Series	Execution	Material Raw Steel	A	B	D	S	Pin Ø
6001	.01	.00	40	40	8	2	4
6001	.02	.00	50	50	10	2	6
6001	.03	.00	60	60	10	2	6
6001	.04	.00	70	70	10	2	6

Art. no.: 6002

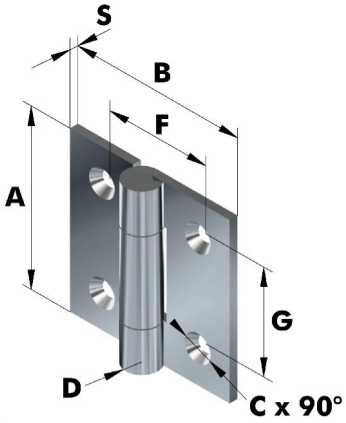
with riveted pin



Article no.					Dimensions in mm					
Series	Execution	Material Raw Steel	Stainless steel	Stainless steel	A	B	D	E	S	Pin Ø
6002	.01	.00	.30	.35	40	40	8	4	2	4
6002	.02	.00	.30	.35	50	50	10	5	2	6
6002	.03	.00	.30	.35	60	60	10	5	2	6
6002	.04	.00	.30	-	70	70	10	5	2	6
6002	.05	.00	.30	-	80	80	11	5,5	2,5	6
6002	.06	.00	.30	-	100	100	11	5,5	2,5	6

Art. no.: 6002 (drilled and countersunk)

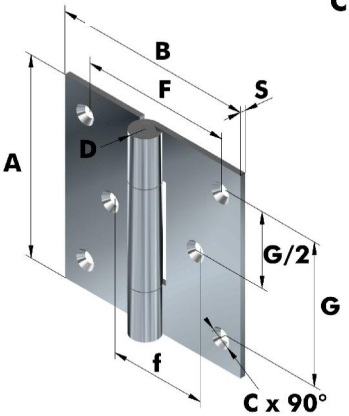
with riveted pin



Article no.				Dimensions in mm							
Series	Execution	Material Raw Stainless steel	Stainless steel	A	B	C Ø	D	F	G	S	Pin Ø
6002	.07	.30	.35	40	40	4	8	24	24	2	4
6002	.08	.30	.35	50	50	4,5	10	34	34	2	6
6002	.09	.30	.35	60	60	4,5	10	44	40	2	6

Art. no.: 6002 (drilled and countersunk)

with riveted pin



Article no.			Dimensions in mm								
Series	Execution	Material Raw Stainless steel	A	B	C Ø	D	F	f	G	S	Pin Ø
6002	.10	.30	70	70	4,5	10	54	34	50	2	6
6002	.11	.30	80	80	4,5	11	64	39	60	2,5	6

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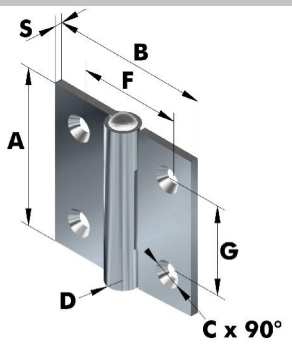
Hinges

Art. no.: 6003 (drilled and countersunk)

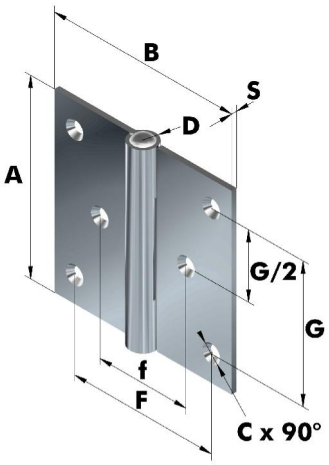
with extractable pin



Article no.				Dimensions in mm							
Series	Execution	Material		A	B	C Ø	D	F	G	S	Pin Ø
		Zinc plated	Raw								
		Steel	Stainless steel								
6003	.01	.04	.30	40	40	4	8	26	24	2	4
6003	.02	.04	.30	50	50	4.5	10	34	34	2	6
6003	.03	.04	.30	60	60	4.5	10	44	40	2	6

Art. no.: 6004 (drilled and countersunk)

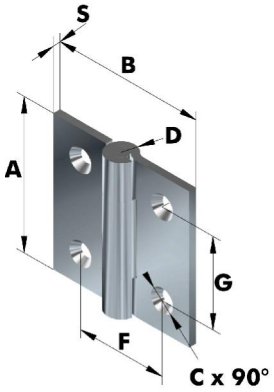
with extractable pin



Article no.				Dimensions in mm								
Series	Execution	Material		A	B	C Ø	D	F	f	G	S	Pin Ø
		Zinc plated	Raw									
		Steel	Stainless steel									
6004	.01	.04	.30	70	70	4	10	54	34	50	2	6
6004	.02	.04	.30	80	80	4,5	11	64	39	60	2,5	6

Art. no.: 6005 (drilled and countersunk)

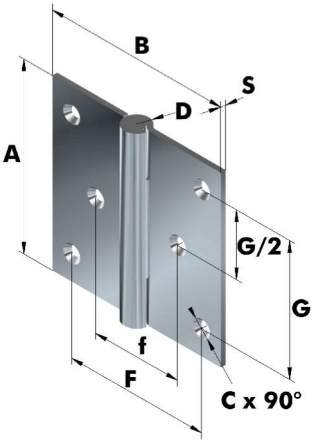
with riveted pin



Article no.				Dimensions in mm							
Series	Execution	Material		A	B	C Ø	D	F	G	S	Pin Ø
		Raw									
		Stainless steel	Stainless steel								
6005	.01	.30	.35	40	40	4	8	24	24	2	4
6005	.02	.30	.35	50	50	4,5	10	34	34	2	6
6005	.03	.30	.35	60	60	4,5	10	44	40	2	6

Art. no.: 6006 (drilled and countersunk)

with riveted pin



Article no.				Dimensions in mm								
Series	Execution	Material		A	B	C Ø	D	F	f	G	S	Pin Ø
		Raw	Zinc plated									
		Stainless steel	Steel									
6006	.01	.30	-	70	70	4,5	10	54	34	50	2	6
6006	.02	.30	-	80	80	4,5	11	64	39	60	2,5	6
6006	.04	-	.04	100	84	5,5	-	55	42	79	3	6

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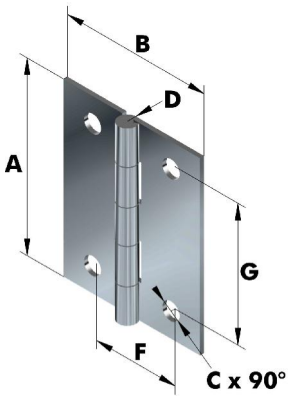
Hinges

Art. no.: 6007 (drilled and countersunk)

with fixed pin

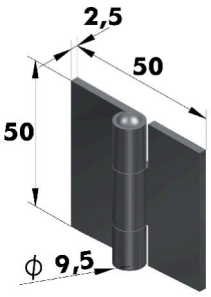
Article no.				Dimensions in mm							
Series	Execution	Material		A	B	C Ø	D	F	G	S	Pin Ø
		Zinc plated	Raw								
		Steel	Stainless steel								
6007	.01-drilled	.04	.30	50	40	5	3,1	23	36	1,2	2,7
6007	.02-sunk	.04	.30	50	40	5	3,1	23	36	1,2	2,7
6007	.03-sunk	-	.30	60	35	4	2	19,5	40	1	1
6007	.04-sunk	-	.30	60	35	4	2	19,5	40	1	1



Art. no.: 6008

with riveted pin

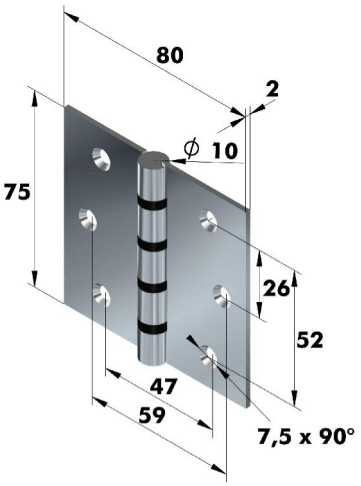
Article no.		
Series	Execution	Material
		Raw
		Steel
6008	.01	.00



Art. no.: 6009 (drilled and countersunk)

with fixed pin and nylon transitional ring

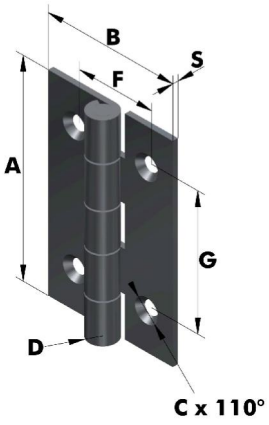
Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6009	.01	.30



Art. no.: 6010 (drilled and countersunk)

with fixed pin

Article no.				Dimensions in mm							
Series	Execution	Material		A	B	C Ø	D	F	G	S	Pin Ø
		Raw									
		Steel	Stainless steel								
6010	.01	.00	-	30	19	2	4	11	19	0,8	2,4
6010	.02	.00	-	35	22	2,5	4	14	22	0,8	2,4
6010	.03	.00	-	40	25	2,5	4,5	15	27	0,9	2,7
6010	.04	-	.30	50	30	3,5	5	17	35	1	3
6010	.05	.00	-	50,3	29,8	2,5	4,4	15,4	35,2	1	2,4



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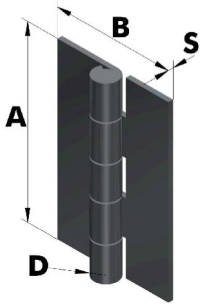
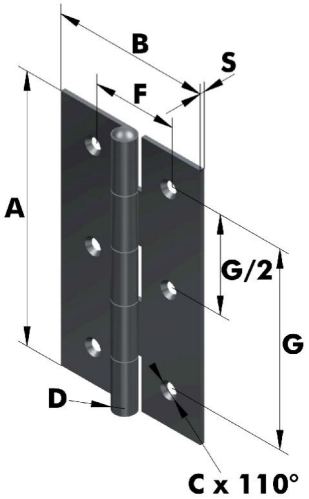
Hinges

Art. no.: 6010
with fixed steel pin



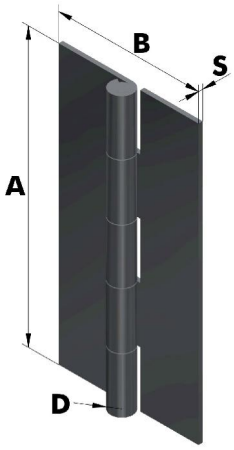
Article no.			Dimensions in mm				
Series	Execution	Material Raw Steel	A	B	D	S	Pin Ø
6010	.06	.00	30	19	4	0,8	2,4
6010	.07	.00	35	22	4	0,8	2,4
6010	.08	.00	40	25	4,5	0,9	2,7
6010	.10	.00	50,3	29,8	4,4	1	2,4

Art. no.: 6011 (drilled and countersunk)
with fixed steel pin



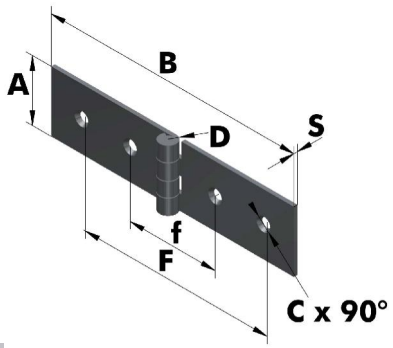
Article no.			Dimensions in mm							
Series	Execution	Material Raw Steel	A	B	C Ø	D	F	G	S	Pin Ø
6011	.01	.00	60	35	2,5	5	19	44	1	3
6011	.02	.00	70	41,5	3	5,5	24,1	52	1	3,5
6011	.03	.00	80,5	45,4	4	5,5	26,2	59,3	1	3,5
6011	.04	.00	100	50	4,5	7,9	30	77	1,5	4,9

Art. no.: 6011
with fixed steel pin, drills on inquiry



Article no.			Dimensions in mm				
Series	Execution	Material Raw Steel	A	B	D	S	Pin Ø
6011	.05	.00	60	35	5	1	3
6011	.06	.00	70	41,5	5,5	1	3,5
6011	.08	.00	100	50	7,9	1,5	4,9

Art. no.: 6013
with fixed pin, drilled and countersunk



Article no.			Dimensions in mm							
Series	Execution	Material Raw Steel	A	B	C Ø	D	F	f	S	Pin Ø
6013	.01	.00	20	77	3	5,6	60	28	1,2	3
6013	.02	.00	22	120	4	8	93	33	1,5	4,9

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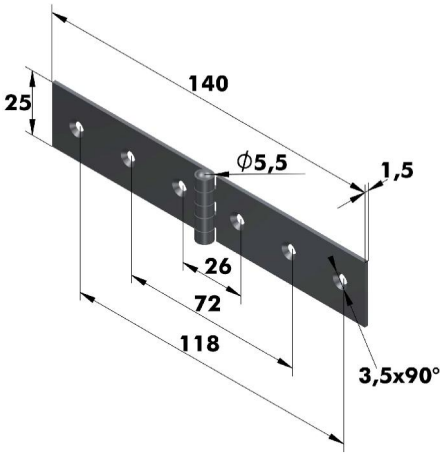
Hinges

Art. no.: 6016 (drilled and countersunk)

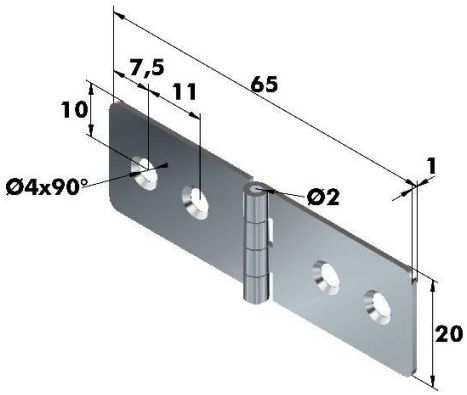
with fixed pin

Article no.		
Series	Execution	Material
		Raw
		Steel
6016	.01	.00



Art.Nr.:6017 (perforated and countersunk)

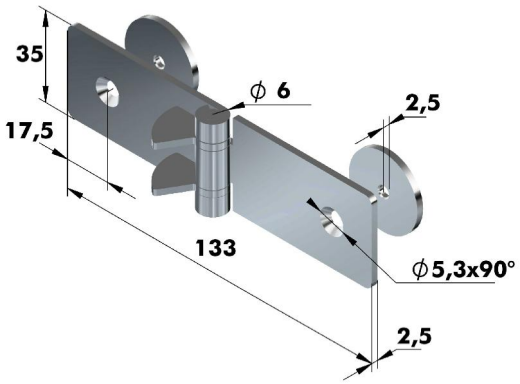
Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6017	.01	.30



Art. no.: 6052 (perforated and countersunk)

with fixed pin
Stop at 60°
Suitable for the installation of glass doors.

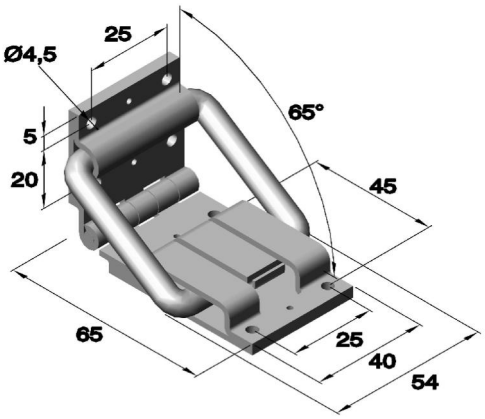
Article no.		
Series	Execution	Material
		Polished
		Stainless steel
6052	.01	.33



Art. no.: 6058

Stop hinge with locking by 105°
with fixed pin (Ø5)

Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6058	.04	.30



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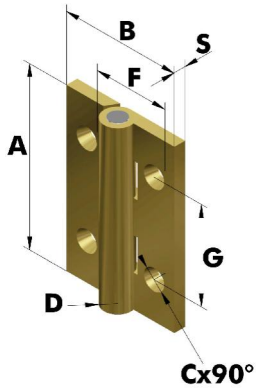
Hinges

Art. no.: 6018 (drilled and countersunk)

with fixed stainless-steel pin

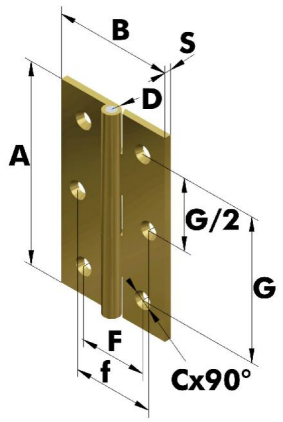
Article no.			Dimensions in mm							
Series	Execution	Material Raw Brass	A	B	C Ø	D	F	G	S	Pin Ø
6018	.03	.20	30	20	2,5	5	12,5	17	2	3
6018	.04	.20	30	30	2,5	5	19	17	2	3



Art. no.: 6019 (drilled and countersunk)

with fixed stainless-steel pin

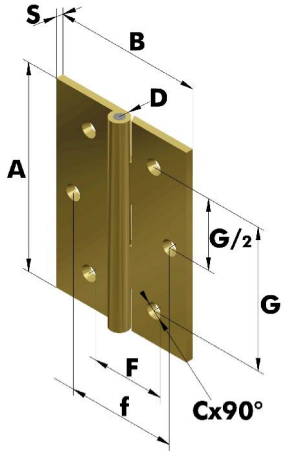
Article no.			Dimensions in mm								
Series	Execution	Material Raw Brass	A	B	C Ø	D	F	f	G	S	Pin Ø
6019	.03	.20	40	35	3	5	21	-	28	2	3
6019	.04	.20	40	40	3	5	23	-	28	2	3
6019	.05	.20	50	30	3	5	17,5	-	35	2	3
6019	.07	.20	60	40	3,5	4,5	21,5	26	43	2	3



Art. no.: 6020 (drilled and countersunk)

with fixed stainless-steel pin

Article no.			Dimensions in mm								
Series	Execution	Material Raw Brass	A	B	C Ø	D	F	f	G	S	Pin Ø
6020	.01	.20	70	40	3,5	5,5	23	27	48	2	3
6020	.02	.20	70	50	3,5	6,5	25	37	48	2,5	3,5
6020	.03	.20	80	45	3,5	5,5	22,5	30,5	58	2,2	3
6020	.04	.20	80	60	4	7	28	45	57	3	4



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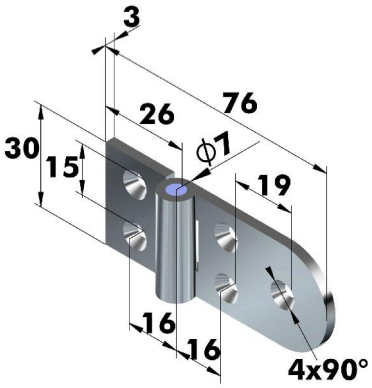
Hinges

Art. no.: 6025 (perforated and countersunk)

with fixed stainless-steel pin

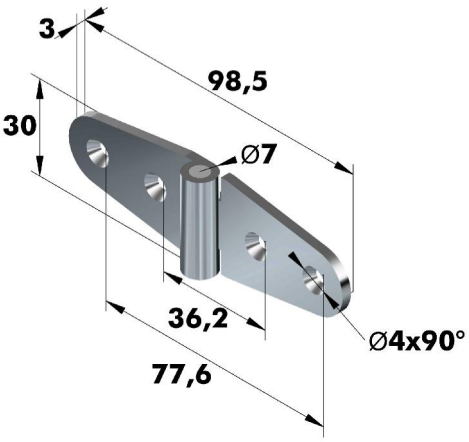
Article no.		
Series	Execution	Material
		Chromated
		Brass
6025	.01	.23



Art. no.: 6027 (perforated and countersunk)

with fixed stainless-steel pin

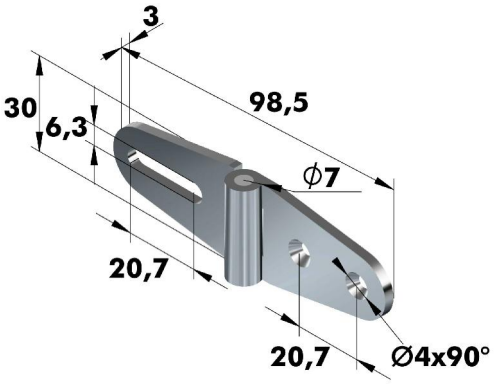
Article no.		
Series	Execution	Material
		Chromated
		Brass
6027	.01	.23



Art. no.: 6028 (perforated and countersunk)

with fixed stainless-steel pin

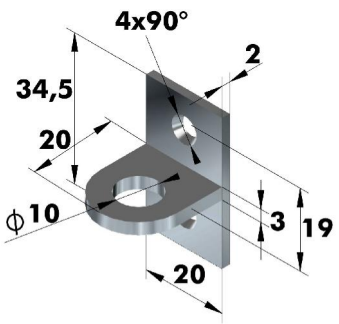
Article no.		
Series	Execution	Material
		Chromated
		Brass
6028	.01	.23



Art. no.: 6029 (perforated and countersunk)

Suitable to art. no.: 6026/6028

Article no.		
Series	Execution	Material
		Chromated
		Brass
6029	.01	.23



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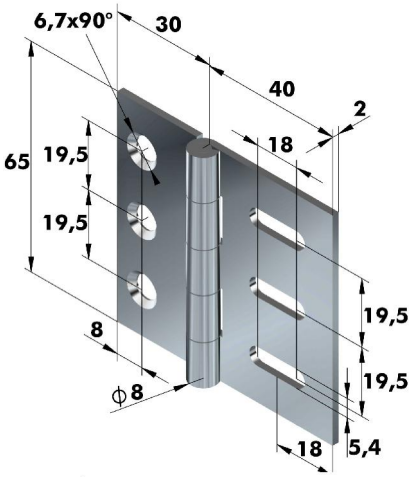
Hinges

Art. no.: 6044 (perforated and countersunk)

with fixed pin

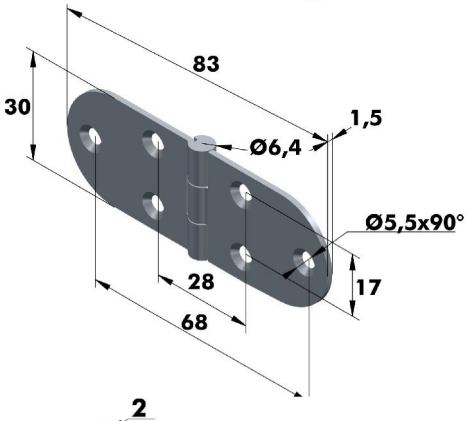
Article no.		
Series	Execution	Material
		Zinc plated
		Steel
6044	.01	.04



Art. no.: 6046 (perforated and countersunk)

with fixed pin

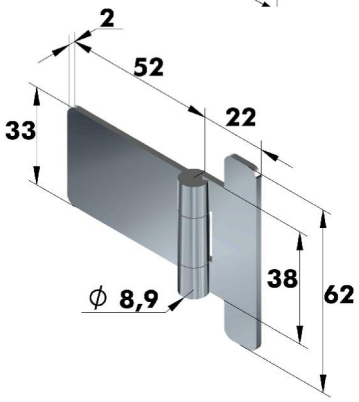
Article no.		
Series	Execution	Material
		Nickel plated
		Steel
6046	.01	.01



Art. no.: 6047

with fixed pin

Article no.			
Series	Execution	Material	
		Raw	
		Steel	Stainless steel
6047	.01	.00	.30

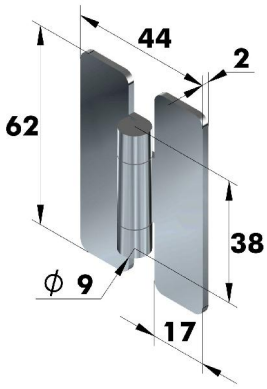


Art. no.: 6048

with fixed pin

Stainless steel (1.4301) on inquiry

Article no.			
Series	Execution	Material	
		Raw	
		Steel	Stainless steel
6048	.01	.00	.30

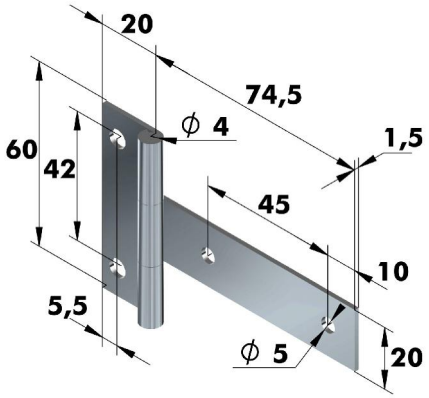


Hinges

Art. no.: 6106 (perforated)

with extractable pin

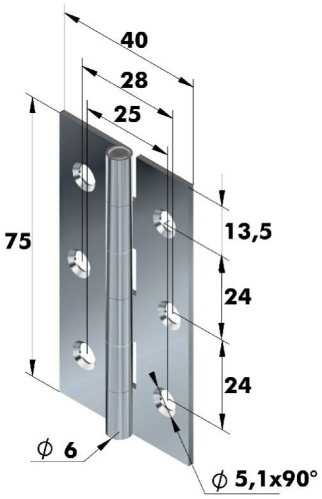
Article no.	
Series	Material
	Polished
	Stainless steel
6106	.30



Art. no.: 6109 (perforated and countersunk)

with riveted pin

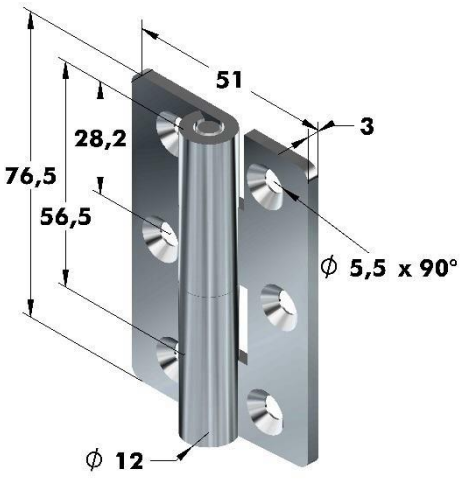
Article no.		Dimension in mm
Series	Material	Pin Ø
	Raw	
	Stainless steel	
6109	.30	3



Art.no.: 99.7651 (perforated and countersunk)

with fixed pin

Article no.	
Series	Material
	Raw
	Stainless steel
99.7651	.30



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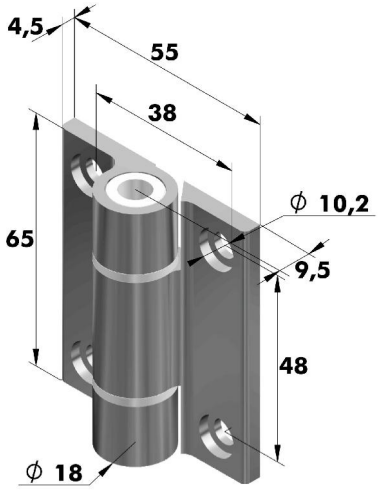
Hinges

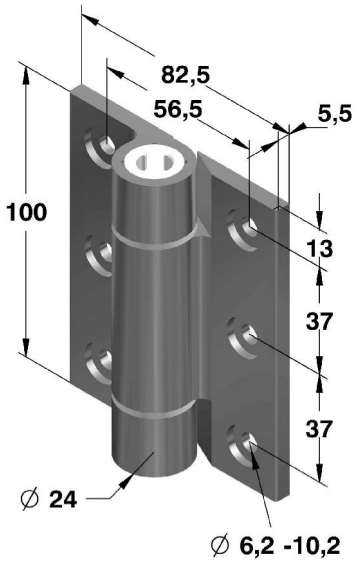
Art.no. 6540 (drilled and countersunk)



Also available as:
Spring hinge see chapter „spring hinges"
Torque- and detent hinge see chapter „torque and detent hinges"

Article no.			
Series	Execution	Material	
		Aluminium 6060 T5	
		Silver	Black
6540	.01 no plug	.70	.77
6540	.02 with plug	.70	.77

Art.no. 6876 (drilled and countersunk)



Also available:
Spring hinge see chapter „spring hinges "
Torque hinges see chapter „torque and detent hinges "

Article no.			
Series	Execution	Material	
		Aluminium 6060 T5	
		Silver	Black
6876	.08	.71	-
6876	.09	-	.77

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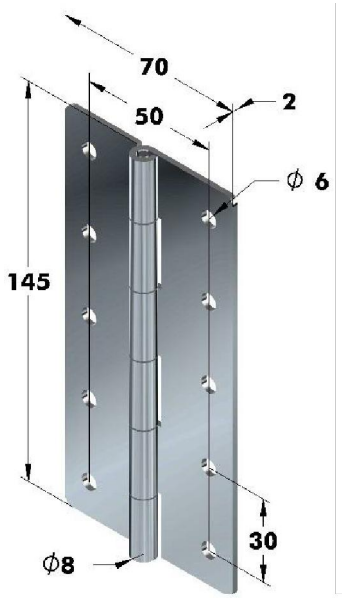
Hinges

Art.no.: 196.5.F37.001.001 (perforated)

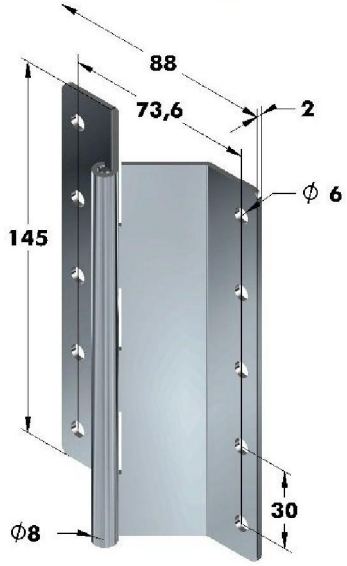
with fixed steel pin



Article no.	
Series	Material
	Zinc plated
	Steel
196.5.F37.001.001	.00

Art.no.: 196.5.F37.001.002 (perforated)

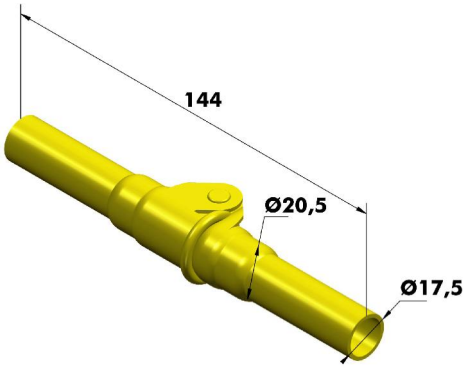
with fixed steel pin



Article no.	
Series	Material
	Zinc plated
	Steel
196.5.F37.001.002	.00

Art. no.: 6058 tubular hinge

with fixed pin



Article no.		
Series	Execution	Material
		Zinc plated yellow chromated
		Steel
6058	.03	.08

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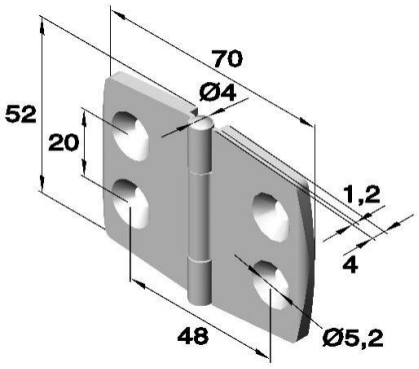
Hinges

Art.no.:6176 (drilled and countersunk)

with riveted pin

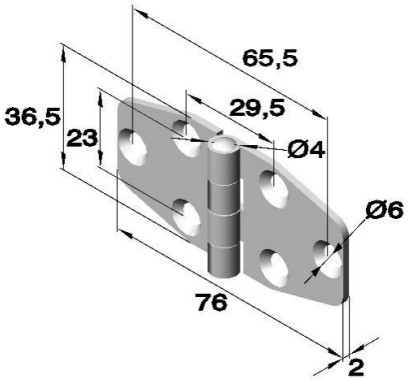
Article no.		
Series	Execution	Material Polished Stainless steel 1.4401
6176	.01	.33



Art.no.:6177 (drilled and countersunk)

with riveted pin

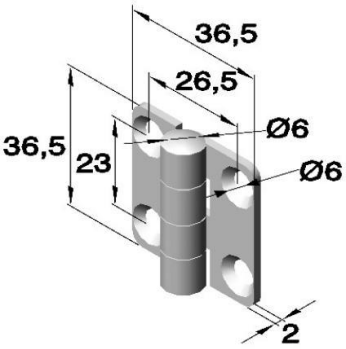
Article no.		
Series	Execution	Material Polished Stainless steel 1.4401
6177	.01	.33



Art.no.:6178 (drilled and countersunk)

with riveted pin

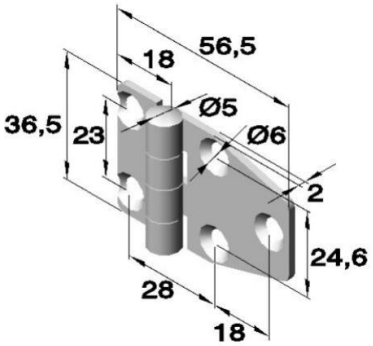
Article no.		
Series	Execution	Material Polished Stainless steel 1.4401
6178	.01	.33



Art.no.:6179 (drilled and countersunk)

with riveted pin

Article no.		
Series	Execution	Material Polished Stainless steel 1.4401
6179	.01	.33

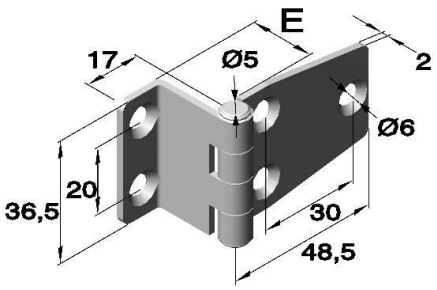


Hinges

Art.no.:6180 (drilled and countersunk)

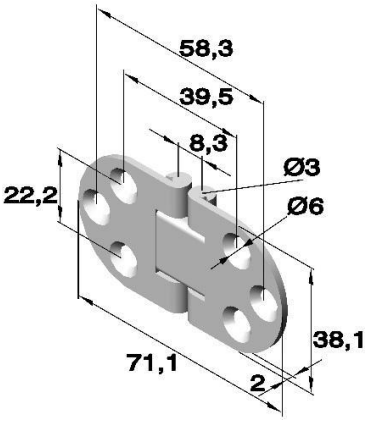
with riveted pin

Article no.			Dimensions in mm
Series	Execution	Material Polished Stainless steel 1.4401	E
6180	.01	.33	10
6180	.02	.33	15,9
6180	.03	.33	19,2



Art.no.:6181 (perforated and countersunk)

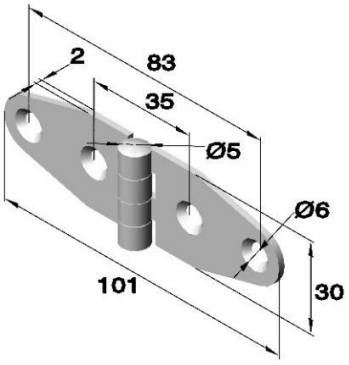
Article no.	
Series	Material Polished Stainless steel
6181	.33



Art.no.:6182 (perforated and countersunk)

with riveted pin

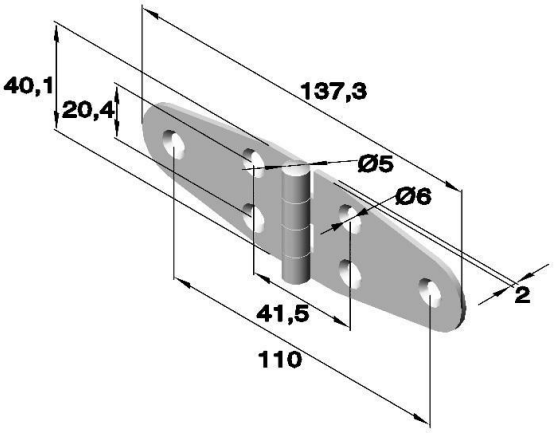
Article no.	
Series	Material Polished Stainless steel
6182	.33



Art.no.:6183 (perforated and countersunk)

with riveted pin

Article no.		
Series	Execution	Material Polished Stainless steel
6183	.01	.33



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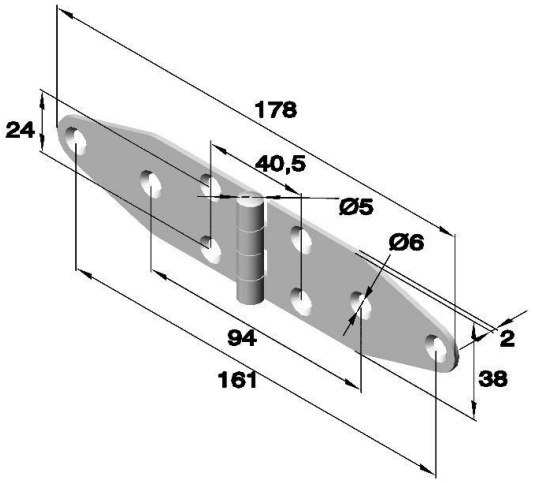
Hinges

Art.no.:6184 (perforated and countersunk)

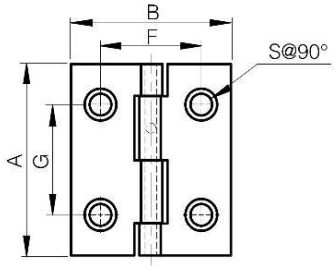
with riveted pin

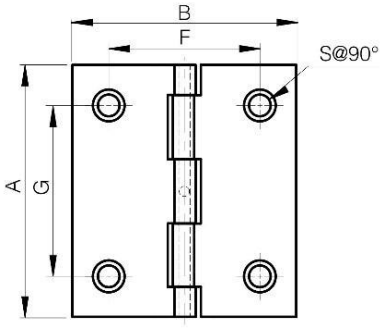
Article no.		
Series	Execution	Material Polished Stainless steel
6184	.01	.33

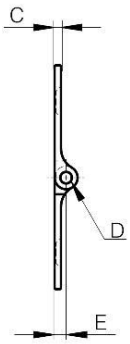


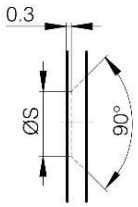
Art.no.: 6215 (perforated and countersunk)

Article no.			Dimensions in mm							
Series	Execution	Material Aluminium 6082 T5 Anodized	A	B	C	D	E	F	G	S
6215	.01	.71	38	31.75	1.3	2.29	2.29	20	22	4.3
6215	.02	.71	50	44.45	1.3	2.29	2.29	30	34	4.3
6215	.03	.71	63.5	63.5	1.3	2.29	2.29	40	40	6





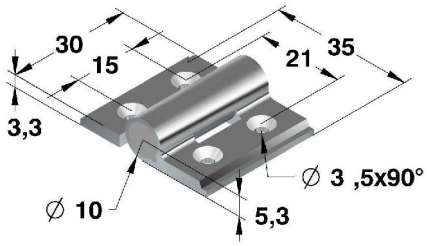




Hinges

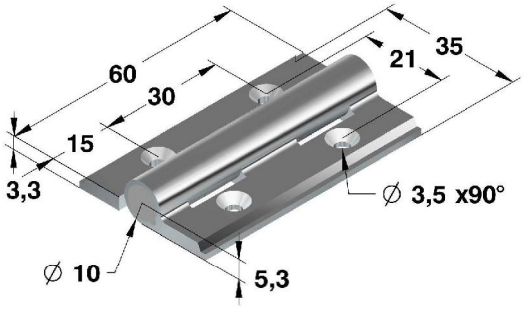
Art.no.: 6216 (perforated and countersunk)

Article no.				Dimensions in mm			
Series	Execution	Material Aluminium 6060 T5 Anodized		A	B	C	D
		Colourless	Black				
6216	.01	.71	.77	30	35	3.3	8



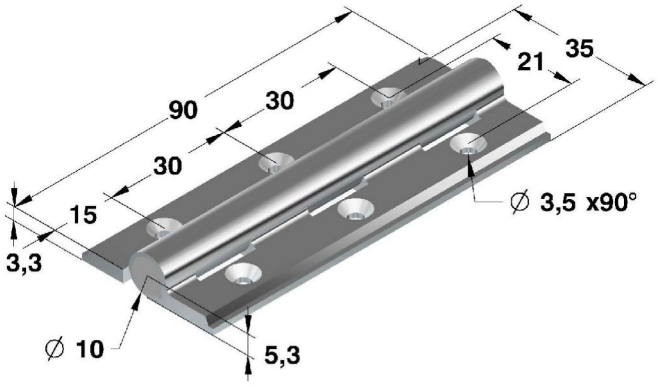
Art.no.: 6216 (drilled and countersunk)

Article no.				Pin Ø
Series	Execution	Material Aluminium 6060 T5 anodized		
		Colorless	Black	
6216	.02	.71	.77	8



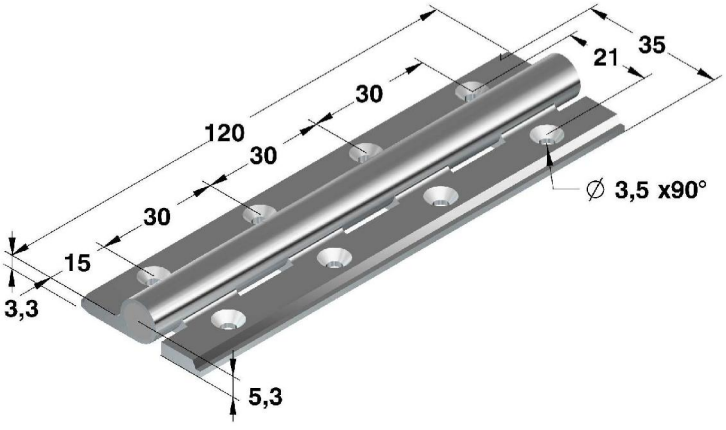
Art.no.: 6216 (drilled and countersunk)

Article no.				Pin Ø
Series	Execution	Material Aluminium 6060 T5 anodized		
		Colorless	Black	
6216	.03	.71	.77	8



Art.no.: 6216 (drilled and countersunk)

Article no.				Pin Ø
Series	Execution	Material Aluminium 6060 T5 anodized		
		Colorless	Black	
6216	.04	.71	.77	8



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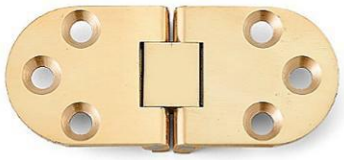
Art. Nr.:150. MH-30

(perforated and countersunk)

Double pivot hinge allows 180° opening

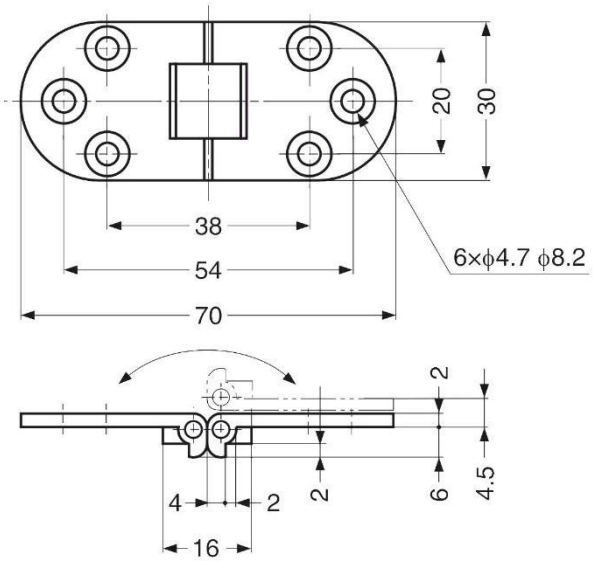
150.MH-30CR

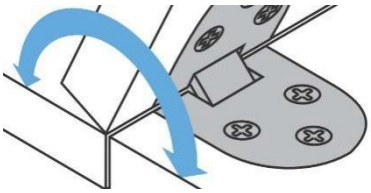
150.MH-30M

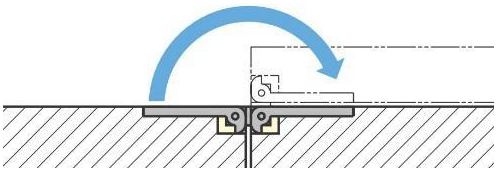


150.MH-30WB

Article no.			Door width	Door height	Door Thickness	Load Capacity N / Pair	Weight (g)
Series	Execution	Material Brass					
150. MH-30	M (Polished)	.22	Max. 450	Max. 700	Max. 21	29	45
150. MH-30	WB (White Bronze plating)	.25					
150. MH-30	CR (Chrom)	.23					







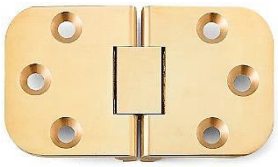
Hinges

Art. Nr.:150. MH-40 (perforated and countersunk)

Double pivot hinge allows 180° opening

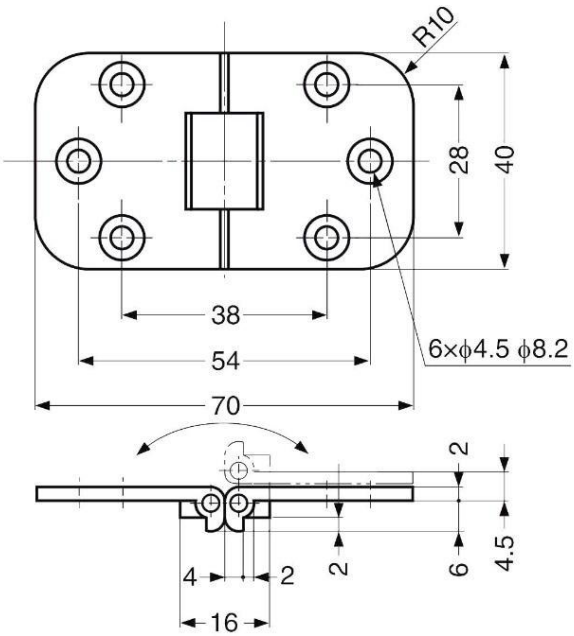
150.MH-40CR

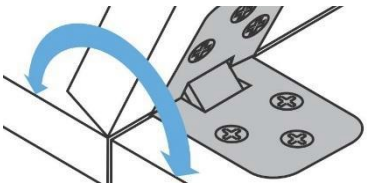
150.MH-40M

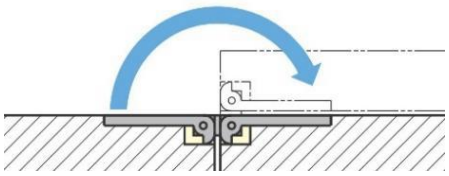


150.MH-40WB

Article no.			Door width	Door height	Door Thickness	Load capacity N / Pair	Weight (g)
Series	Execution	Material Brass					
150. MH-40	M (Polished)	.22	Max. 450	Max. 700	Max. 21	29	64
150. MH-40	WB (White Bronze plating)	.25					
150. MH-40	CR (Chrom)	.23					







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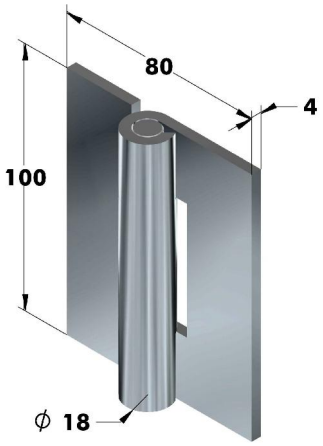
heavy hinges

Art.No.:99.10080

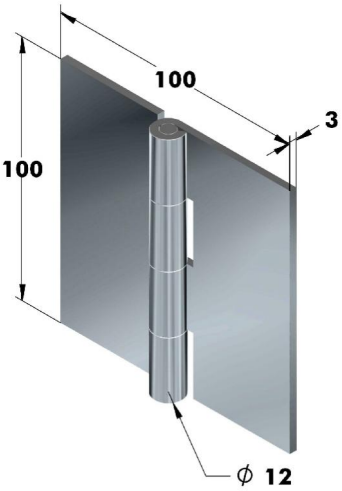
with fixed stainless steel pin



Article no.	
Series	Material
	Raw
	Stainless steel
99.10080	.30

Art.No.:99.1001003

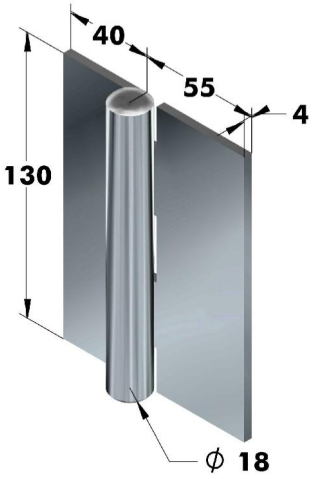
with fixed stainless steel pin



Article no.	
Series	Material
	Raw
	Stainless steel
99.1001003	.30

Art.No.:6054

with riveted stainless steel pin



Article no.		
Series	Execution	Material
		Raw
		Steel
6054	.03	.00

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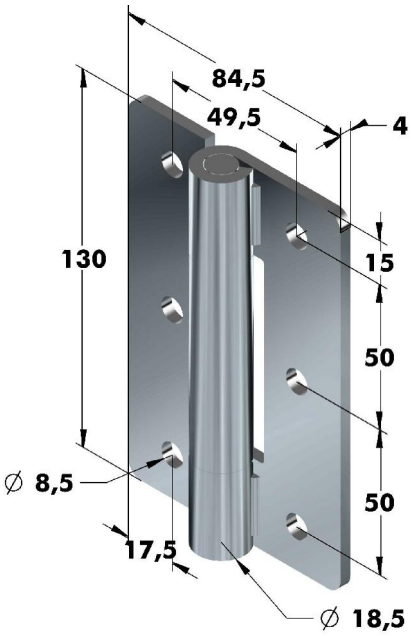
Art.No.:99.2453 (perforated)

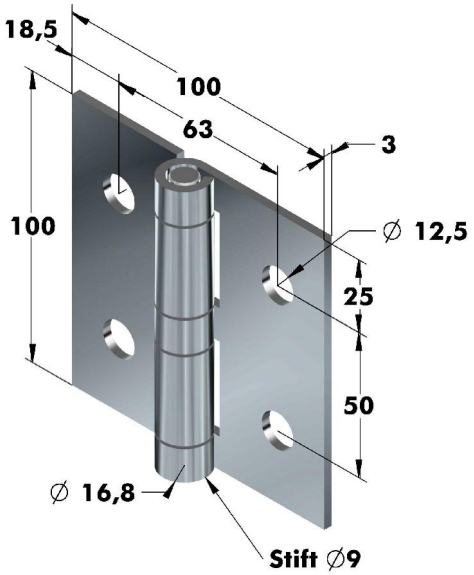
Knuckle and pin welded.



Article no.	
Series	Material
	Galvanized
	Steel
99.2453	.04

Art.No.: 2003278

Knuckle and pin welded.



Article no.	
Series	Material
	Polished
	Stainless steel
2003278	

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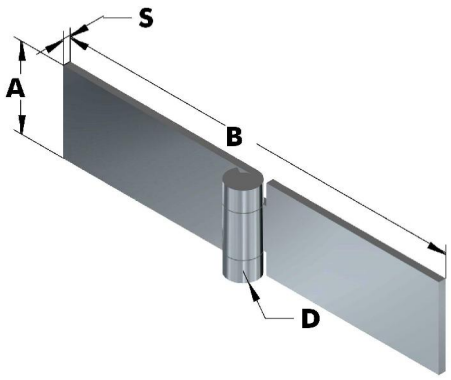
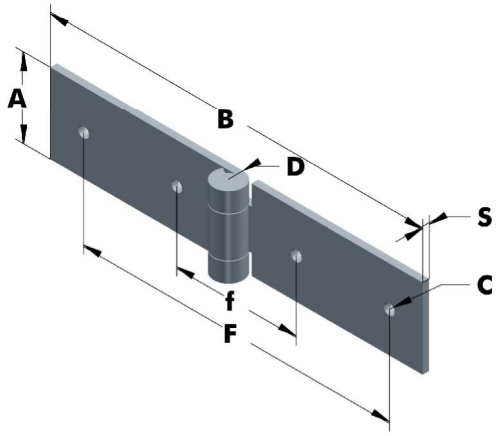
heavy hinges

Art.No.:6012
with fixed pin, drills on enquiry



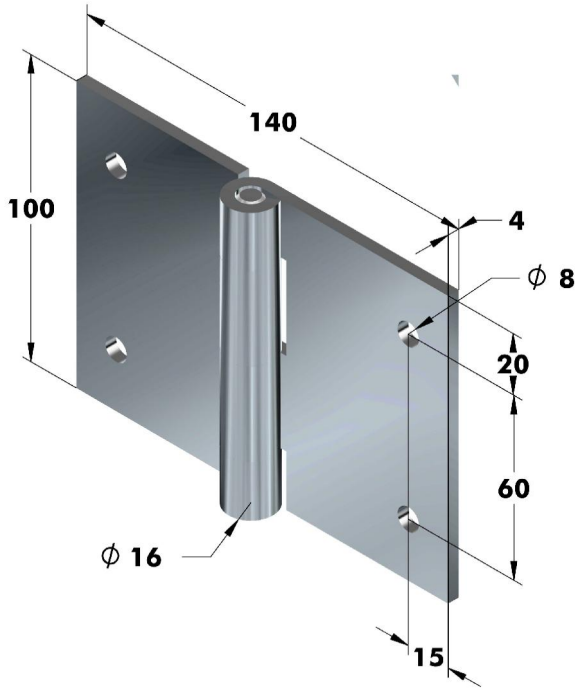
Article no.			Dimensions in mm				
Series	Execution	Material Raw Steel	A	B	D	S	Pin Ø
6012	.01	.00	30	140	11	2,5	6
6012	.03	.00	30	190	12	3	6

Art.No.:6014 (drilled and countersunk)
with fixed pin.



Article no.			Dimensions in mm							
Series	Execution	Material Galvanized Steel	A	B	C Ø	D	F	f	S	Pin Ø
6014	.01	.04	30	140	4	11	115	45	2,5	6

Art.No.:99.1001404.00 (perforated)
with fixed steel pin



Article no.	
Series	Material Raw Steel
99.1001404	.00

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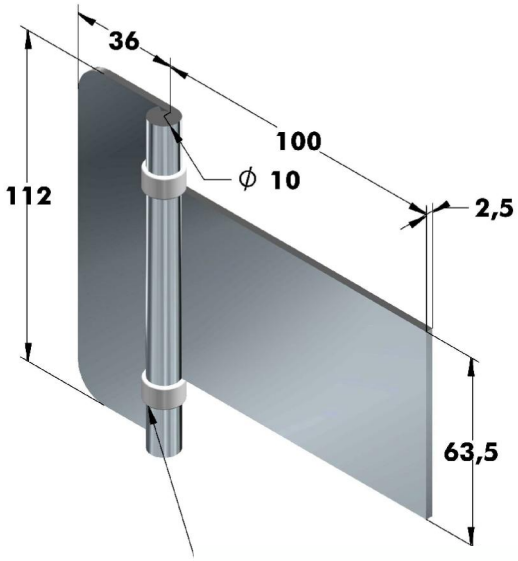
Art.No.:6050

with extractable pin and nylon intermediate ring

Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6050	.01	.30

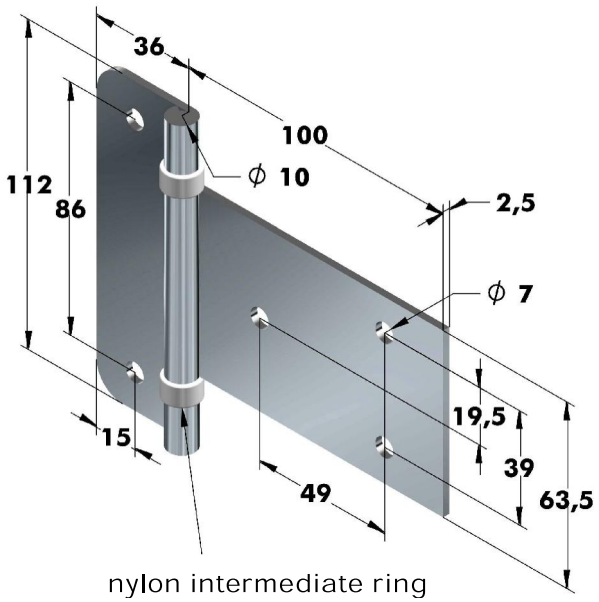


nylon intermediate ring

Art.No.:6050 (perforated)

with extractable pin and nylon intermediate ring

Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6050	.02	.30



nylon intermediate ring

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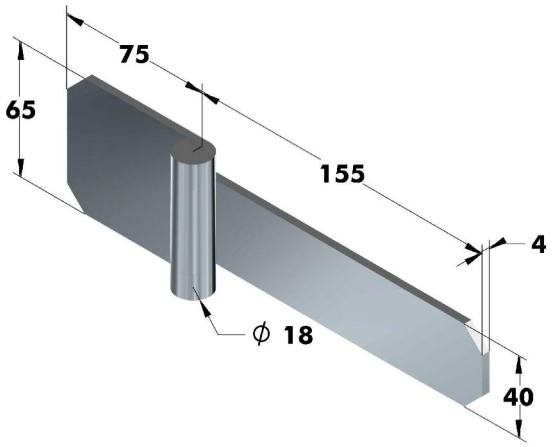
Art.No.:6054

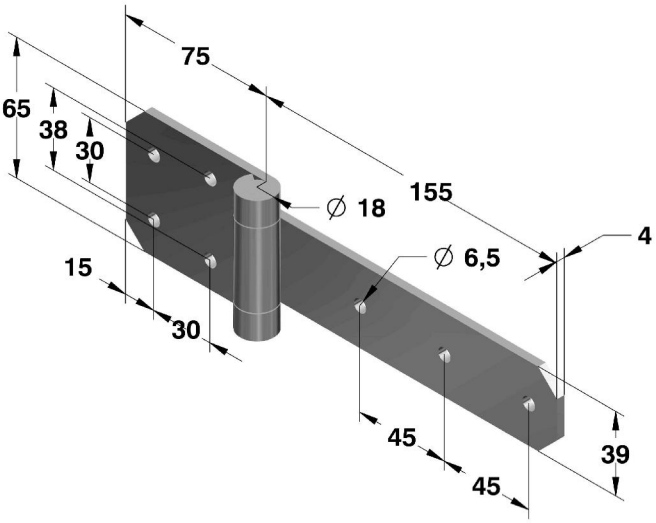
with fixed pin.



Article no.			
Series	Execution	Material	
		Polished	Raw
		Stainless steel	Steel
6054	.01	.33	-
6054	.01	-	.00

Art.No.:6054

with fixed pin., perforated

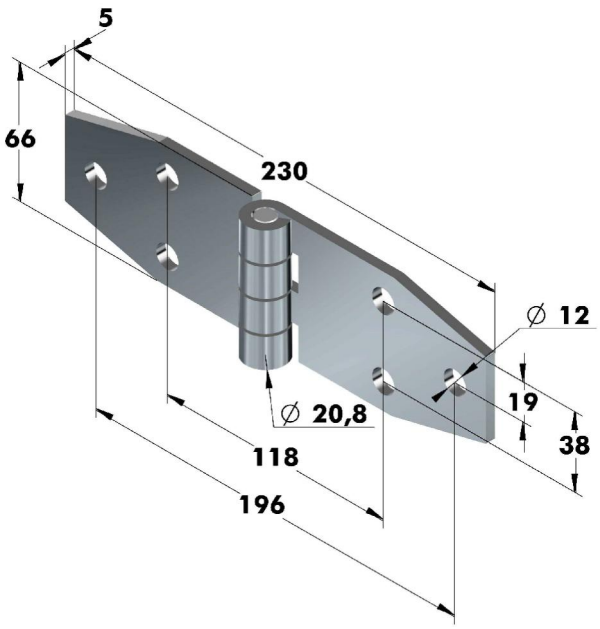


Article no.		
Series	Execution	Material
		Polished
		Stainless steel
6054	.02	.33

Art.No.:6158 (perforated)

with fixed pin. (10mm)

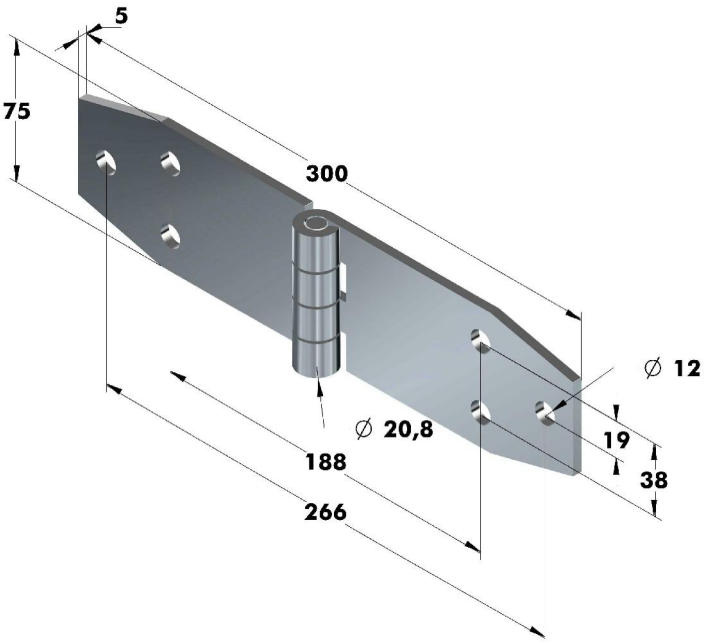
Stainless steel (1.4301) on request



Article no.			
Series	Execution	Material	
		Galvanized	Polished
		Steel	Stainless steel
6158	.01	.04	.33

Art.No.:99.12637 (perforated)

with fixed pin. (10mm)



Article no.		
Series	Material	
	Galvanized	Polished
	Steel	Stainless steel
99.12637	.04	.33

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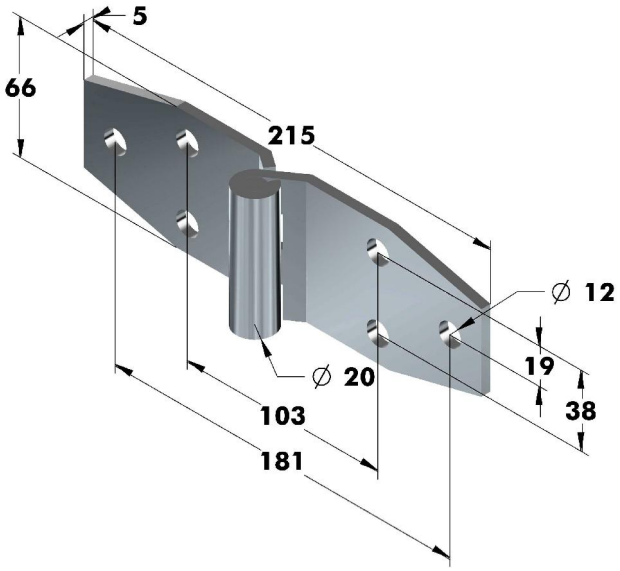
Art.No.:6158 (perforated)

with fixed pin. (10mm)

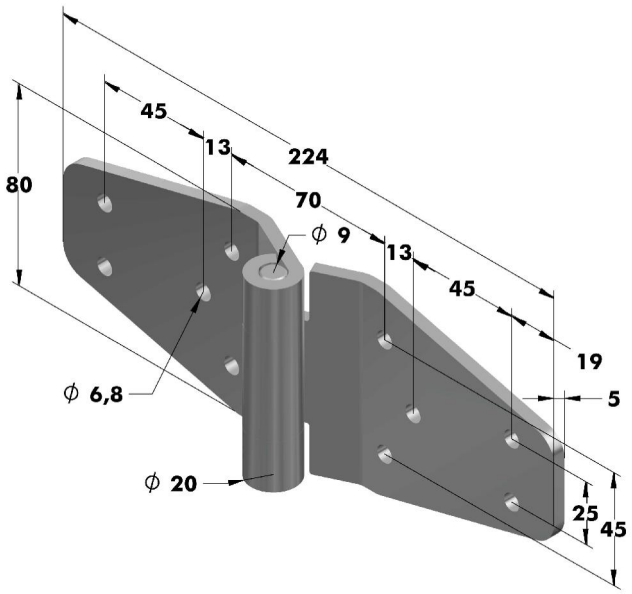


Stainless steel(1.4301) on request

Article no.			
Series	Execution	Material	
		Galvanized	Polished
		Steel	Stainless steel
6158	.02	.04	.33

Art.No.: 99.40800B004 (perforated)

with rammed Stainless steel pin



Article no.	
Series	Material
	Galvanized
	Steel
99.40800B004	.04/C

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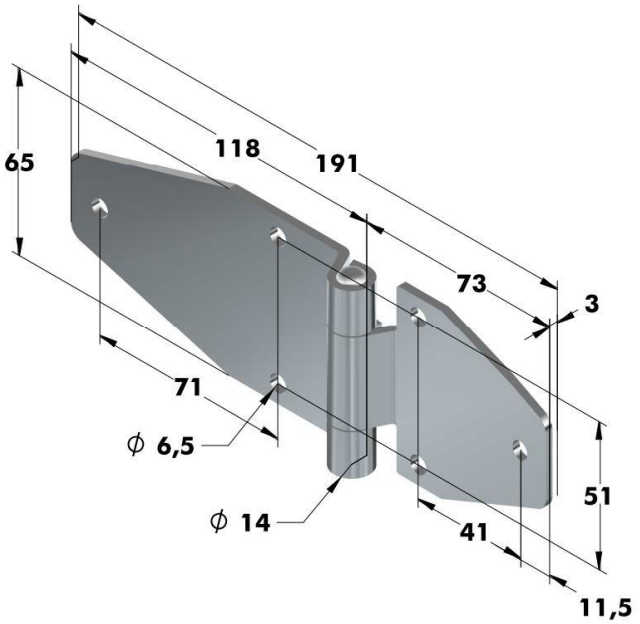
Art.No.: 196.3.ST35 (perforated)

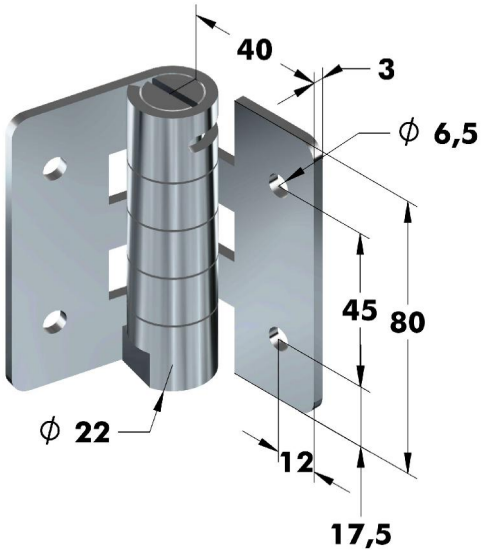
Article no.		
Series	Material	
	Galvanized	Polished
	Steel	Stainless steel
196.3.ST35.001	.04	.30



Art.No. 6877.01.30 (perforated)

Soft-Closing Hinge
Opens and closes damped
Function until 115° guaranteed
Torque per pair: 2,2 to 3,0 N.m

Article no.		
Series	Execution	Material
		Raw
		Stainless steel
6877	.01	.30



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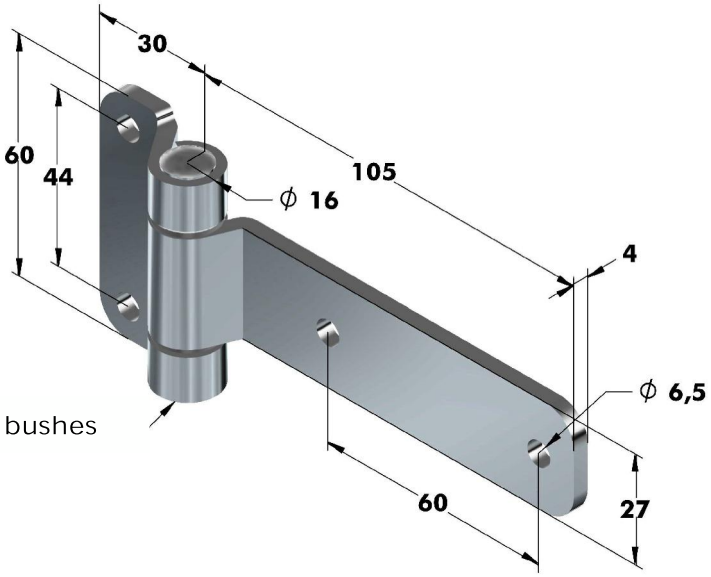
heavy hinges

Art.No.: 196.3.ST56.001 (perforated)

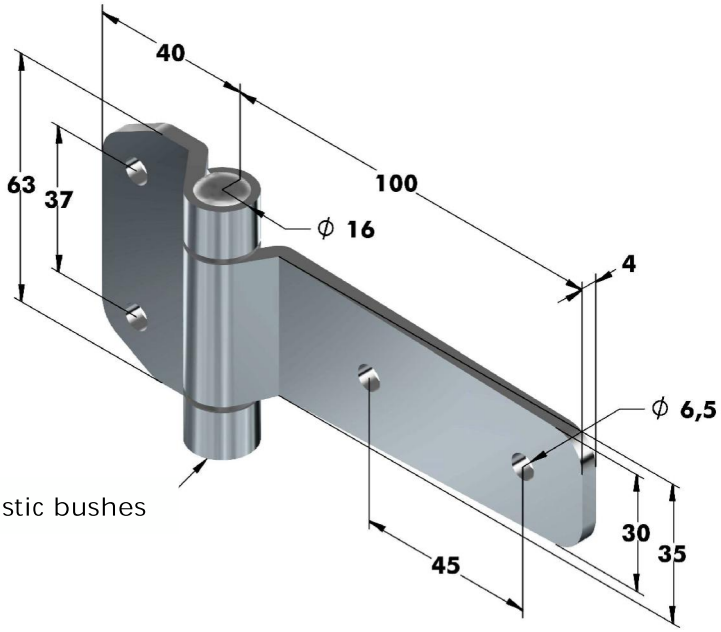
Article no.		
Series	Material	
	Black	Raw
	Steel	Stainless steel
196.3.ST56.001	.07	SN.30



with plastic bushes

Art.No.: 196.3.ST56.100. (perforated)

Article no.		
Series	Material	
	Black	Raw
	Steel	Stainless steel
196.3.ST56.100	.07	SN.30



with plastic bushes

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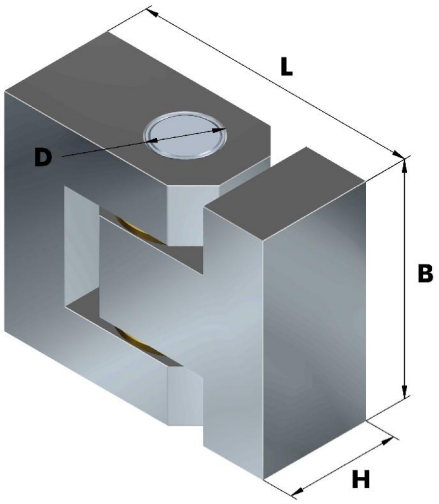
heavy hinges

Welded joints „AG " with fixed steel pin

FES on self-lubrificating bushes and with brass intermediate ring.

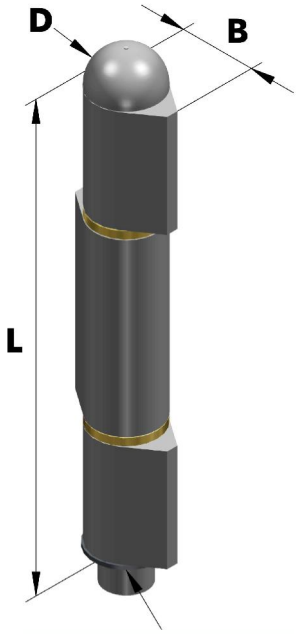
Article no.					Dimensions in mm			
Series	L	Execution	Material Raw Steel	Material Raw Stainless steel	B	H	D	Load capacity ca. in kg
AG	60	FES	.00	.30	50	20	10	1000
AG	70	FES	.00	.30	60	25	12	4000
AG	80	FES	.00	.30	60	30	15	5000
AG	100	FES	.00	.30	80	40	20	9000
AG	120	FES	.00	.30	100	50	25	10000
AG	140	FES	.00	.30	120	60	30	10000+



Weld on hinge rolls „AB " 3-part

AES with extractable steel pin and brass intermediate ring
AMS with extractable brass pin and brass intermediate ring

Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
AB	135/3	AES	AMS	.00	18	22,5	12	790
AB	150/3	AES	AMS	.00	20	25,5	13	960
AB	180/3	AES	AMS	.00	20	25,5	13	1300
AB	200/3	AES	AMS	.00	23	29	16	2000



safety washer

Weld on hinge rolls „AB " 3-part

AVS with extractable stainless steel pin and brass intermediate ring

Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Stainless steel (V2A)	D	B	Pin Ø	Load capacity ca. in kg
AB	135/3	AVS	.30	18	22,5	12	790
AB	150/3	AVS	.30	20	25,5	13	960
AB	180/3	AVS	.30	20	25,5	13	1300

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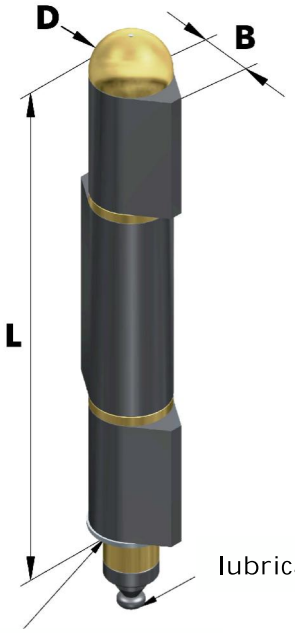
heavy hinges

Weld on hinge rolls „ABN “ 3-part

AMS with extractable brass pin and brass intermediate ring

Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABN	135/3	AMS	.00	18	22,5	12	790
ABN	150/3	AMS	.00	20	25,5	13	960
ABN	180/3	AMS	.00	20	25,5	13	1300
ABN	200/3	AMS	.00	23	29	16	2000



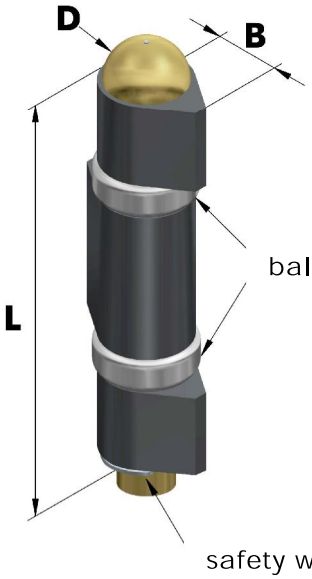
lubrication nipples

safety washer

Weld on hinge rolls „AB “ 3-part with 2 ball bearings

AES with extractable steel pin and 2 ball bearings
AMS with extractable brass pin and 2 ball bearings

Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	ca.kg
AB	90/3	AES	AMS	.00	20	25,5	12	900
AB	110/3	AES	AMS	.00	23	29	13	1000



ball bearings

safety washer

Hinge as required

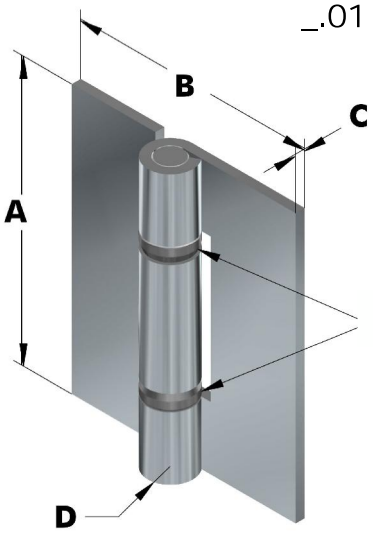
„with" or „without" ball bearing

Art.No.:99.

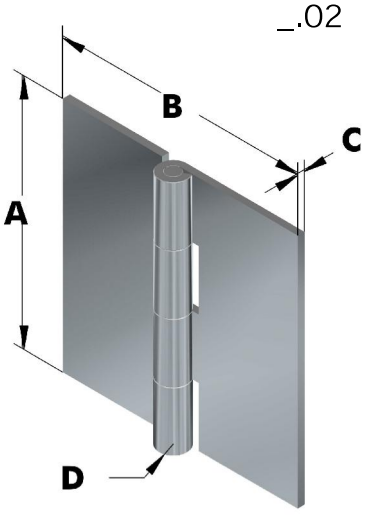
„with" or „without" ball bearing

(as required perforated)

_.01



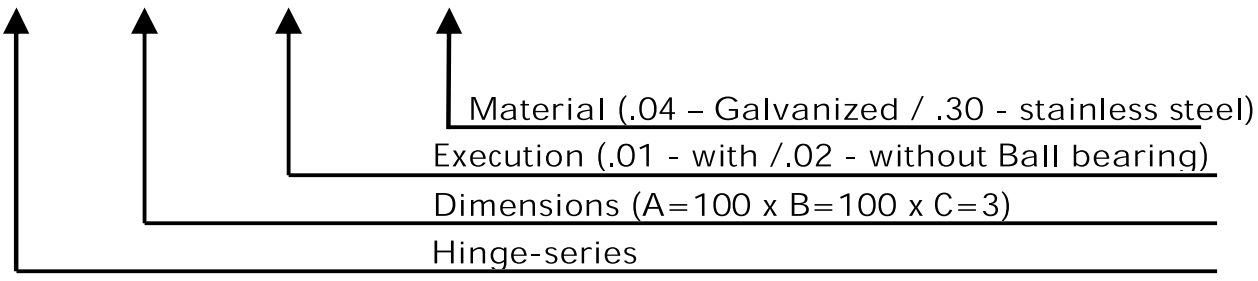
_.02



Article no.								
Series	A	B	C	D	Execution		Material	
					Ball bearing		Raw	Polished
					with	without	Stainless steel	Stainless steel
99.	from 60-300	from 60-150	from 3-5	from 12-20	.01	.02	.30	.33

Ordering example:

Art.No: 99. 1001003 .01 / .02 .04 / .30



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Art. no.:150. HG-KM (perforated)

Ultra thick „lift-off" hinge for heavy doors.

Thrust bearing in movable part provides smooth movement.

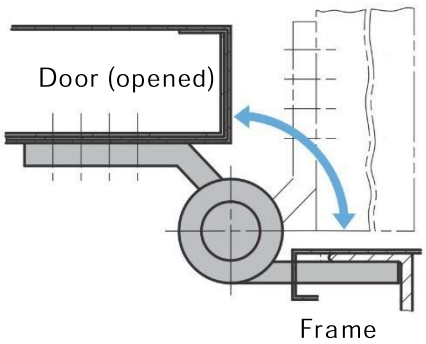
Large doors, gate doors and other rotation mechanism
of heavy objects

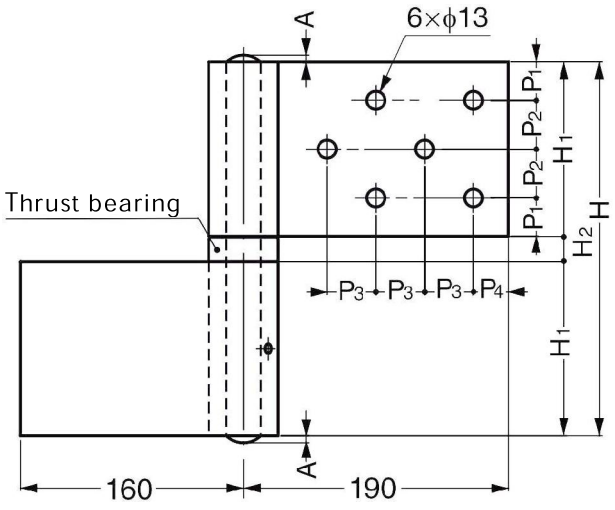
Article no.			H	H 1	H 2	P 1	P 2	P 3	P 4	A	t	Load capacity N / Pair
Series	Execution	Material: Satin Stainless steel										
150. HG-KM	12-268	.32	268	125	18	27.5	35	35	25	5	12	2940
150. HG-KM	19-275	.32	275		25			30		10	19	4810
150. ※HG-KM	20-250	.32	250	114	22	28	29	25	23		20	4610

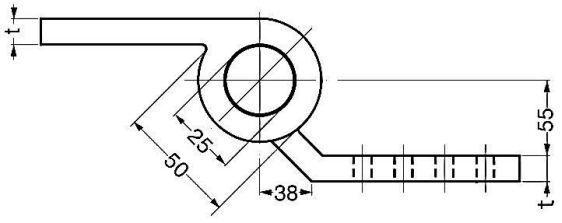
Article no.			Weight (kg)
Series	Execution	Material: Satin Stainless steel	
150. HG-KM	12-268	.32	8.3
150. HG-KM	19-275	.32	19.8
150. ※HG-KM	20-250	.32	18.1

※On request

[Installation]







150.HG-KM19-275, 150.HG-KM20-250

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SONDERKONSTRUKTIONEN

Art. no.:150. HG-KH (perforated)

Ultra thick „lift-off" hinge for heavy doors.

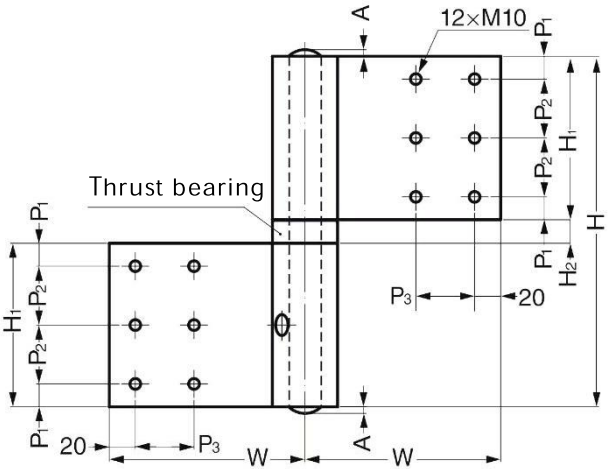
Thrust bearing in movable part provides smooth movement.

Large doors, gate doors and other rotation mechanism
of heavy objects

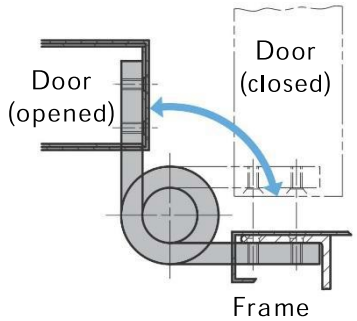
Article no.			H	H 1	H 2	W	P 1	P 2	P 3	A	t	Load capacity N / Paar
Series	Execution	Material Satin Stainless steel										
150. HG-KH	12-268	.32	268	125	18	150	17.5	45	45	5	12	2940
150. HG-KH	19-275	.32	275		25					10	19	4810
150. ※HG-KH	20-250	.32	250	114	22	140	17	40	40		20	4610

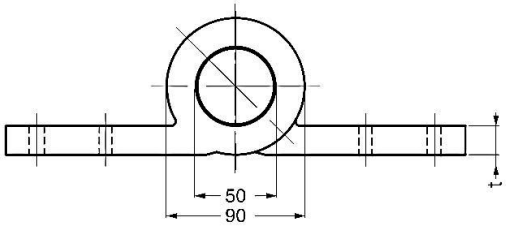
Article no.			Weight (kg)
Series	Execution	Material Satin Stainless steel	
150. HG-KH	12-268	.32	7.4
150. HG-KH	19-275	.32	17.2
150. ※HG-KH	20-250	.32	16.6

※On request



[Installation]





150.HG-KH19-275, 150.HG-KH20-250

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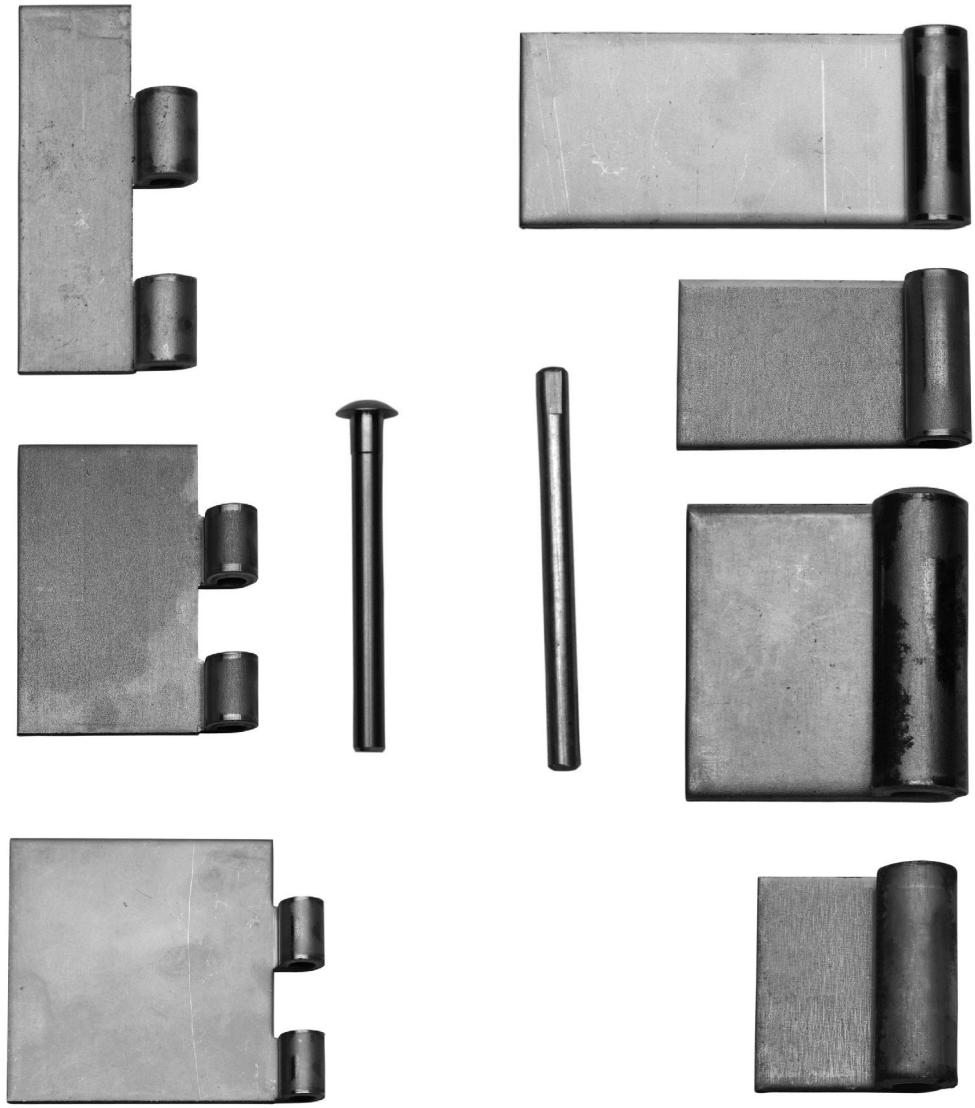
Individual parts for self made hinges



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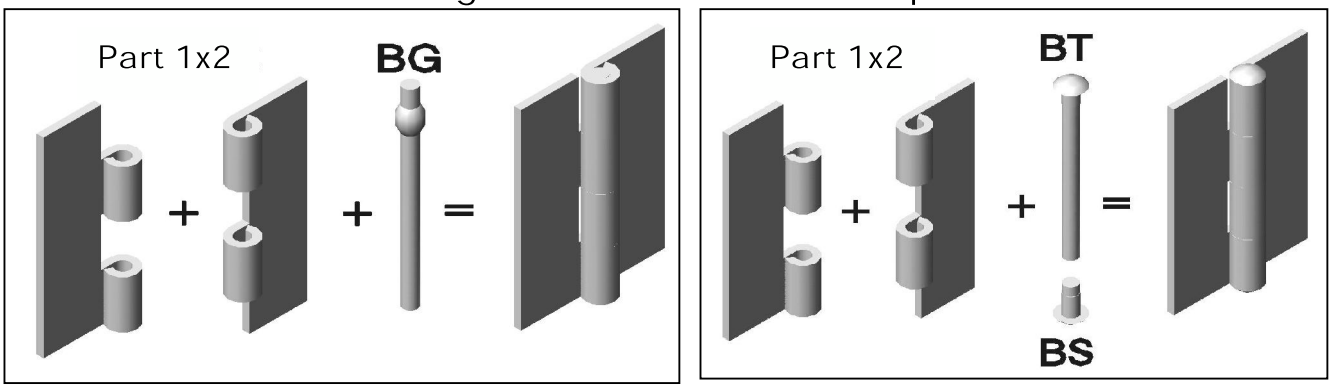
Individual parts for selfmade hinges

Materials and surface finishes:

.00	Raw steel (1.1203)
.01	Nickel-plated
.02	Brassed
.03	Chromated
.04	Zinc plated steel
.05	Bronzed
.06	Black zinc plated
.07	Blued
.08	Yellow chromated
.09	EPD (Electrophoretic deposition)
.10	Anodized silver-coloured
.30	Raw stainless steel (1.4301)
.33	Polished stainless steel
.35	Raw stainless steel (1.4401)

Hinge combinations - example



BG	jolted pin
BT	pin with head
BS	plug

Drilling and assembly on request.

Ordering example:
Art.no. 6110 . 04/30

Material (steel / stainless steel)

Hinge series/ pin series

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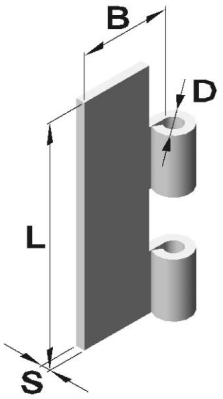
Individual parts for self made hinges

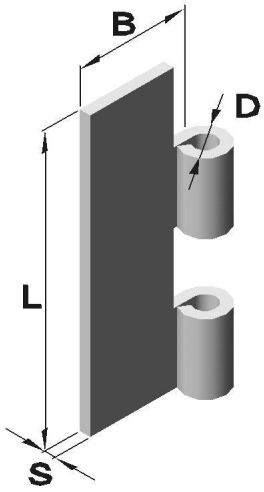
Hinge module 3 mm

Article no.			Dimensions in mm				
Series	Material		L	B	S	Pin Ø	D
	Raw						
	Steel	Stainless steel					
6110	.00	-	80	30	3	6	12
6111	-	.30	80	30	3	6	12
6112	.00	-	80	40	3	6	12
6113	-	.30	80	40	3	6	12
6114	.00	-	80	50	3	6	12
6115	-	.30	80	50	3	6	12
6116	.00	-	80	60	3	6	12
6117	-	.30	80	60	3	6	12
6118	.00	-	80	80	3	6	12
6119	-	.30	80	80	3	6	12



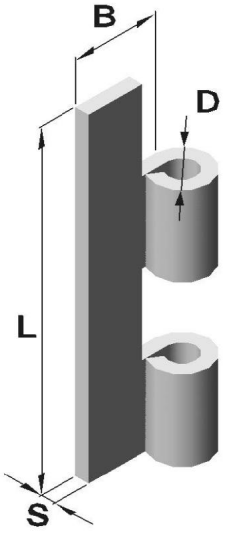
Hinge module 4 mm

Article no.			Dimensions in mm				
Series	Material		L	B	S	Pin Ø	D
	Raw						
	Steel	Stainless steel					
6130	.00	-	100	30	4	8	16
6131	-	.30	100	30	4	8	16
6132	.00	-	100	40	4	8	16
6133	-	.30	100	40	4	8	16
6134	.00	-	100	50	4	8	16
6135	-	.30	100	50	4	8	16
6136	.00	-	100	60	4	8	16
6137	-	.30	100	60	4	8	16
6138	.00	-	100	80	4	8	16
6139	-	.30	100	80	4	8	16



Hinge module 5 mm

Article no.			Dimensions				
Series	Material		L	B	S	Pin Ø	D
	Raw						
	Steel	Stainless steel					
6149	.00	-	120	30	5	10	20
6140	-	.30	120	30	5	10	20
6141	.00	-	120	40	5	10	20
6142	-	.30	120	40	5	10	20
6143	.00	-	120	50	5	10	20
6144	-	.30	120	50	5	10	20
6145	.00	-	120	60	5	10	20
6146	-	.30	120	60	5	10	20
6147	.00	-	120	80	5	10	20
6148	-	.30	120	80	5	10	20



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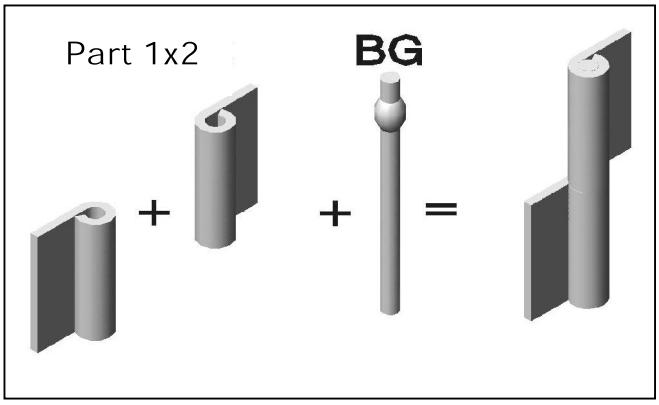
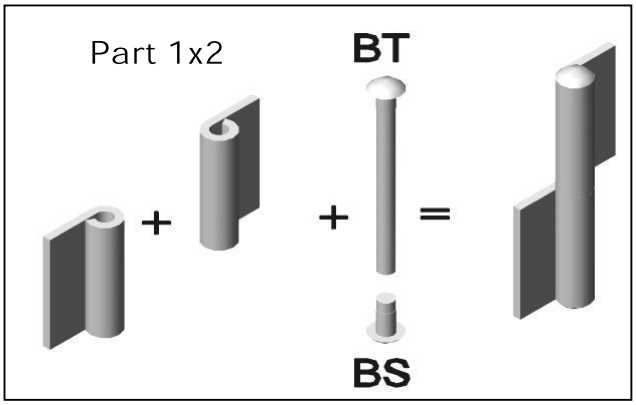
Individual parts for self made hinges

Hinge hook combinations - example

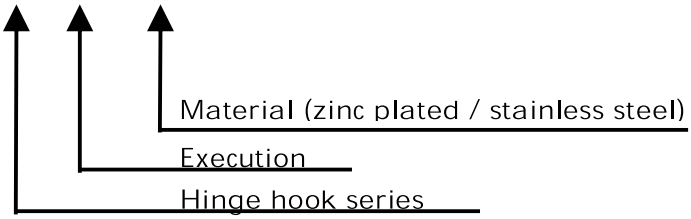




BG joled pin
BT pin with head
BS plug

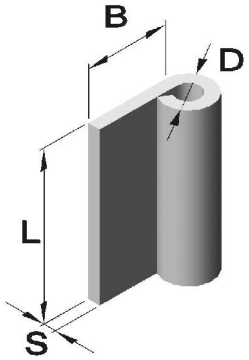
Drilling and assembly on request.

Ordering example:
Art.no. 6210. 01. 04/30



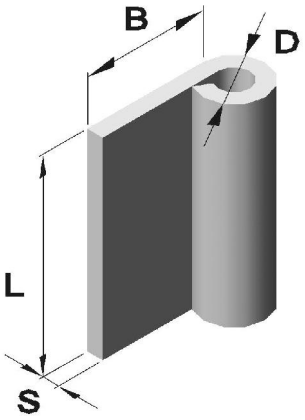
Hinge hook module 3 mm

Article no.				Dimensions in mm				
Series	Execution	Material Raw		L	B	S	Pin Ø	D
		Steel	Stainless steel					
6210	.01	.00	.30	40	20	3	6	12
6210	.03	.00	.30	40	30	3	6	12
6210	.05	.00	.30	40	50	3	6	12
6210	.07	.00	.30	40	80	3	6	12
6210	.09	.00	.30	40	120	3	6	12



Hinge hook module 4 mm

Article no.				Dimensions in mm				
Series	Execution	Material Raw		L	B	S	Pin Ø	D
		Steel	Stainless steel					
6210	.21	.00	.30	50	30	4	8	16
6210	.23	.00	.30	50	50	4	8	16
6210	.25	.00	.30	50	80	4	8	16



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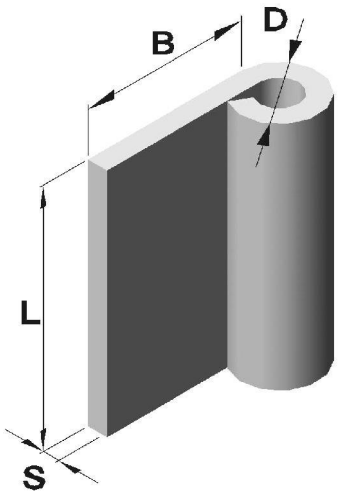
Individual parts for self made hinges

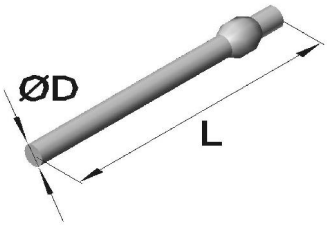
Hinge hook module 5 mm

Article no.				Dimensions in mm				
Series	Execution	Material		L	B	S	Pin Ø	D
		Raw						
		Steel	Stainless steel					
6210	.31	.00	.30	60	40	5	10	20
6210	.33	.00	.30	60	60	5	10	20
6210	.35	.00	.30	60	80	5	10	20



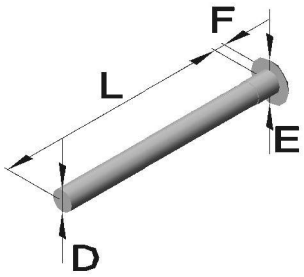
Pin „BG "- jolted

Article no.			Dimensions in mm	
Series	Material		L	D Ø
	Zinc plated	Raw		
	Steel	Stainless steel		
6150	.04	-	80	6
6151	-	.30	80	6
6152	.04	-	100	8
6153	-	.30	100	8
6154	.04	-	120	10
6155	-	.30	120	10



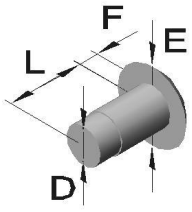
Pin „BT "- with head

Article no.			Dimensions in mm			
Series	Material		D Ø	L	F	E
	Zinc plated	Raw				
	Steel	Stainless steel				
6160	.04	-	6	66	3	12
6161	-	.30	6	66	3	12
6162	.04	-	8	86	4	16
6163	-	.30	8	86	4	16
6164	.04	-	10	106	5	20
6165	-	.30	10	106	5	20



Plug „BS "- with head

Article no.			Dimensions in mm			
Series	Material		D Ø	L	F	E
	Zinc plated	Raw				
	Steel	Stainless steel				
6170	.04	-	6	12	3	12
6171	-	.30	6	12	3	12
6172	.04	-	8	12	4	16
6173	-	.30	8	12	4	16
6174	.04	-	10	12	5	20
6175	-	.30	10	12	5	20



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Individual parts for self made hinges

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Spring hinges

Art.:6062

Art.:6063

Art.:6064

Art.:6065

Art.:6066

Art.:6067

Art.:6068

Art.:6164

Art.:6165

Art.:6166

Art.:6105

Art.:6169

Art.:6167

Art.:6486

Art.:6088

Art.:6872

Art.:6876

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Spring hinges

with adjustable spring force

Art.: 158.I-5524

Art.:158.5334

Art.: 158.I-5124

Art.:158.5224

Art.:158.5314

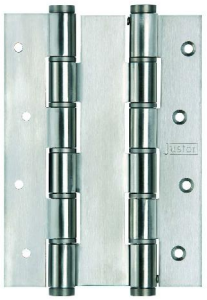
Art.:158.5814

Art.:158.6117

Art.:158.6117

Art.:158.6314

Art.:158.5414



Art.:158.5914

Art.:158.5914

Art.:158.5414

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Spring hinges

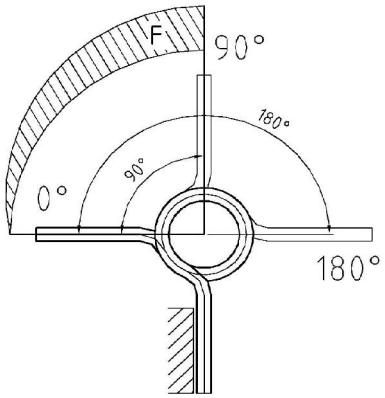
Rotating direction of the hinge

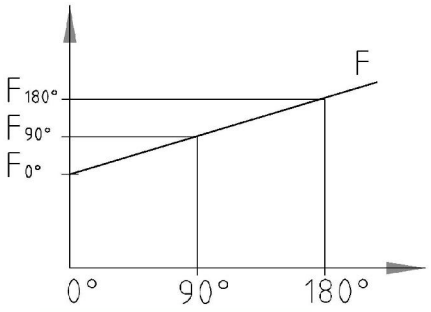
Execution_.01
(mounted self-opening spring)

Execution _.02
(mounted self-closing spring)

Pressure direction of the hinge

F = Force of the spring on a point at a distance of 100 mm from the axis of the hinge.
Through rotation you become a linear force increase, that can be measured in grams.
Starting position / Delivery status = 0°





F = spring force

F (0°)	=	50 g
F (90°)	=	100 g
F (180°)	=	150 g

Ordering example:
Art.no 6001 01/02 04/30.F18

- 6001 — Series
- 01/02 — Execution (opening or closing ring)
- 04/30 — Material (zinc plated, stainless steel)
- F18 — Spring wire diameter (Ø 1,8)

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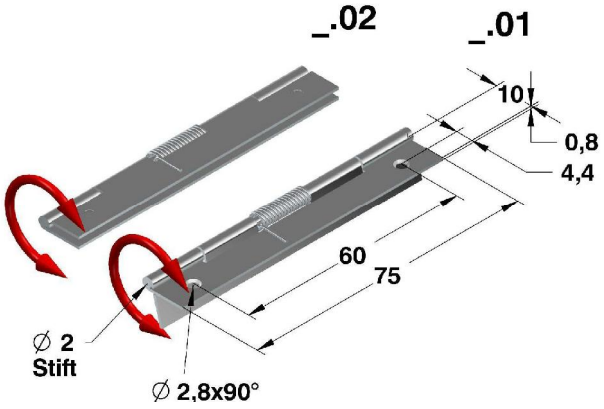
Spring hinges

Art. no.: 6062 (drilled and countersunk)

Tension spring made of stainless steel spring

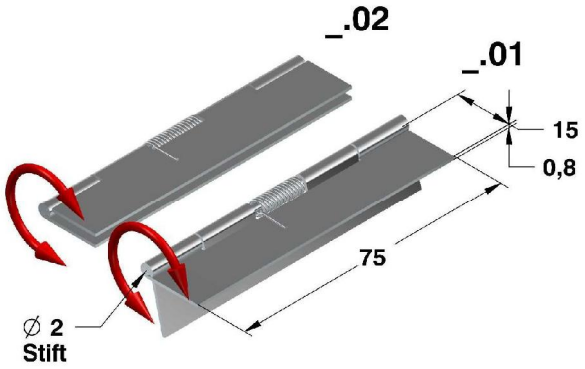
Article no.				Elastic force in g		
Series	Execution	Material Raw		0°	90°	180°
		Steel	Stainless steel			
6062	.01	.00	.30	60	90	120
6062	.02	.00	.30	60	90	120



Art. no.: 6063

Tension spring made of steel or stainless steel.

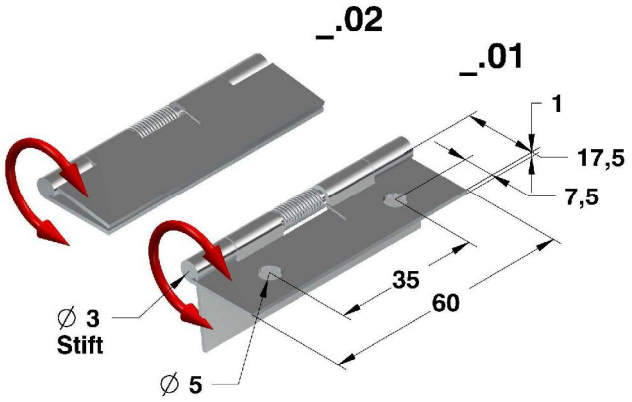
Article no.				Elastic force in g		
Series	Execution	Material Raw		0°	90°	180°
		Steel	Stainless steel			
6063	.01	.00	.30	60	90	120
6063	.02	.00	.30	60	90	120



Art. no.: 6064 (drilled)

.01 / .02-tension spring made of steel.
.03 / .04-tension spring made of stainless steel

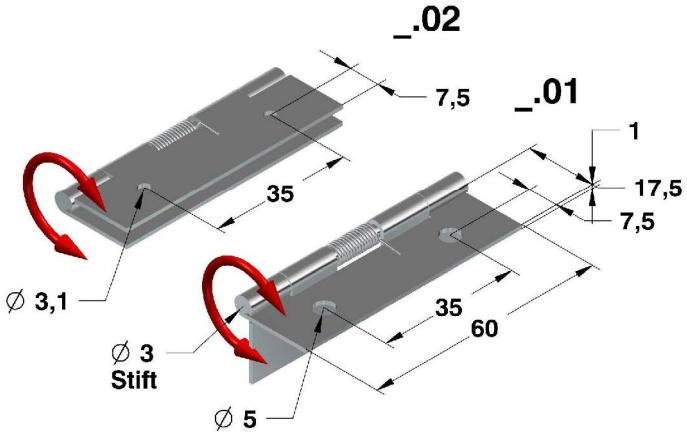
Article no.				Elastic force in g		
Series	Execution		Material Raw	0°	90°	180°
	Steel spring	Stainless steel spring	Steel			
6064	.01	.03	.00	45	70	90
6064	.02	.04	.00	45	70	90



Art. no.: 6065 (drilled)

Tension spring made of steel or stainless steel.

Article no.			Elastic force in g		
Series	Execution	Material Raw Stainless steel	0°	90°	180°
6065	.01	.30	40	60	80
6065	.02	.30	40	60	80



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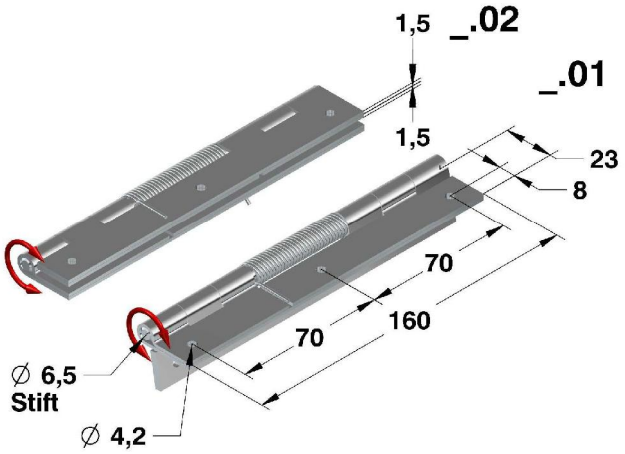
Spring hinges

Art. no.: 6066 (drilled)

Tension spring made of stainless steel.

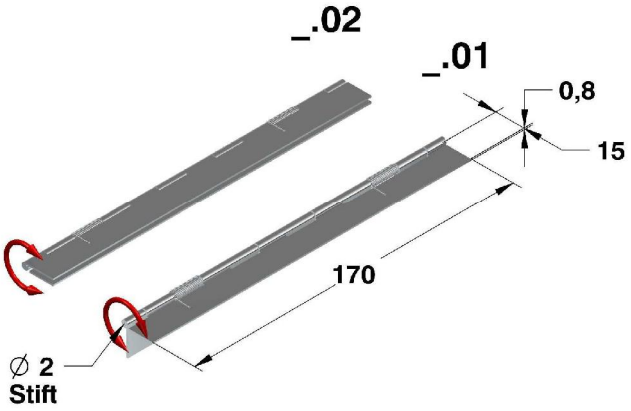
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6066	.01	.00	.30	550	750	950
6066	.02	.00	.30	550	750	950



Art. no.: 6067

Tension spring made of stainless steel.

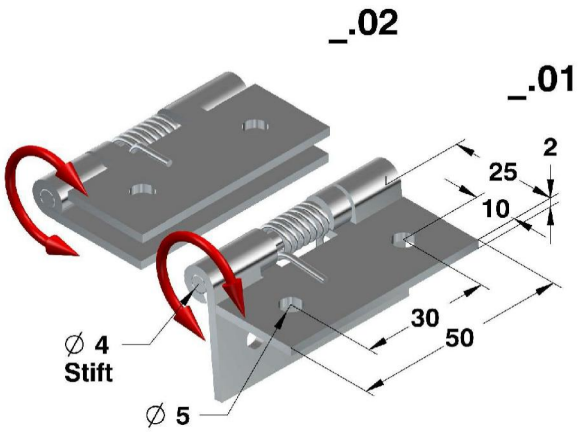
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6067	.01	.00	.30	140	220	300
6067	.02	.00	.30	140	220	300



Art. no.: 6068 (drilled)

Tension spring made of stainless steel.

Article no.						Elastic force in g		
Series	Execution	Material		Spring	Spring wire Ø	0°	90°	180°
		Zinc plated Steel	Raw Stainless steel					
6068	.01	.08	.30		1,5	320	640	1060
6068	.02	.08	.30		1,5	320	640	1060
6068	.01	.08	.30	.F08	0,8	20	50	80
6068	.02	.08	.30	.F08	0,8	20	50	80
6068	.01	.08	.30	.F10	1,0	40	120	200
6068	.02	.08	.30	.F10	1.0	40	120	200
6068	.01	.08	.30	.F1.25	1,25	140	300	500
6068	.02	.08	.30	.F1.25	1,25	140	300	500



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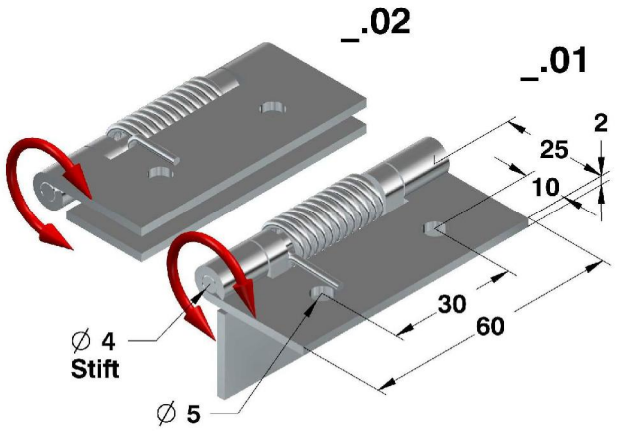
Spring hinges

Art. no.: 6107 (drilled)

Tension spring made of stainless steel.

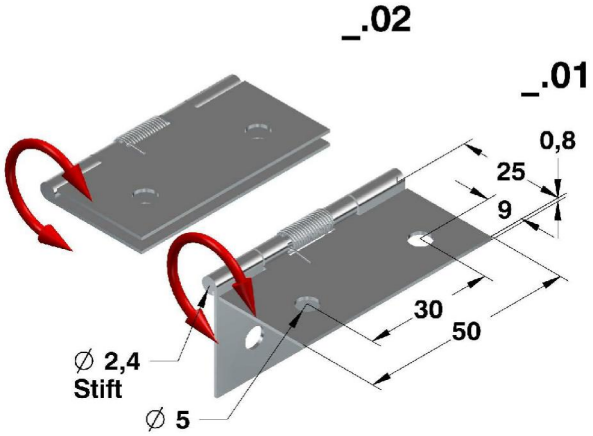
Article no.						Elastic force in g		
Series	Execution	Material: Zinc plated / Steel	Material: Raw / Stainless steel	Spring	wire Ø	0°	90°	180°
6107	.01	.04	.30	.F18	1,8	400	900	1400
6107	.02	.04	.30	.F18	1,8	400	900	1400



Art. no.: 6108 (drilled)

Tension spring made of stainless steel.

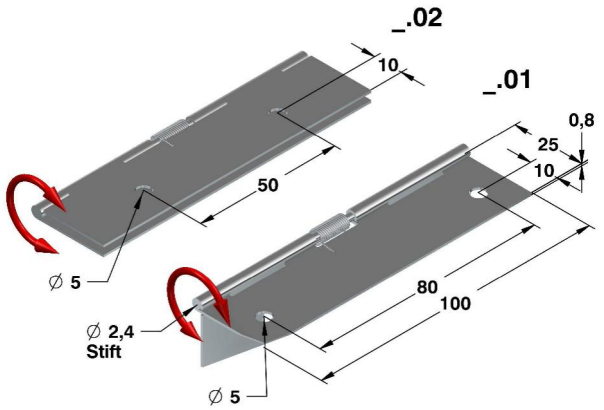
Article no.					Elastic force in g		
Series	Execution	Material: Raw / Stainless steel	Spring	wire Ø	0°	90°	180°
6108	.01	.30	.F05	0,5	10	20	30
6108	.02	.30	.F05	0,5	10	20	30
6108	.01	.30	.F06	0,6	20	40	60
6108	.02	.30	.F06	0,6	20	40	60
6108	.01	.30	.F08	0,8	30	60	90
6108	.02	.30	.F08	0,8	30	60	90



Art. no.: 99.A100 (drilled)

Tension spring made of stainless steel.

Article no.						Elastic force in g		
Series	Execution	Material: Zinc plated / Steel	Material: Raw / Stainless steel	Spring	wire Ø	0°	90°	180°
99.A100	.01	.04	.30	-	0,4	7	15	25
99.A100	.02	.04	.30	-	0,4	7	15	25
99.A100	.01	.04	.30	.F08	0,8	30	60	90
99.A100	.02	.04	.30	.F08	0,8	30	60	90



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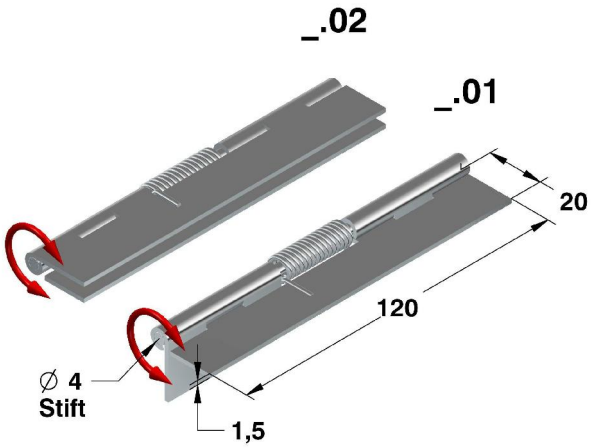
Spring hinges

Art. no.: 6164

Tension spring made of stainless steel.

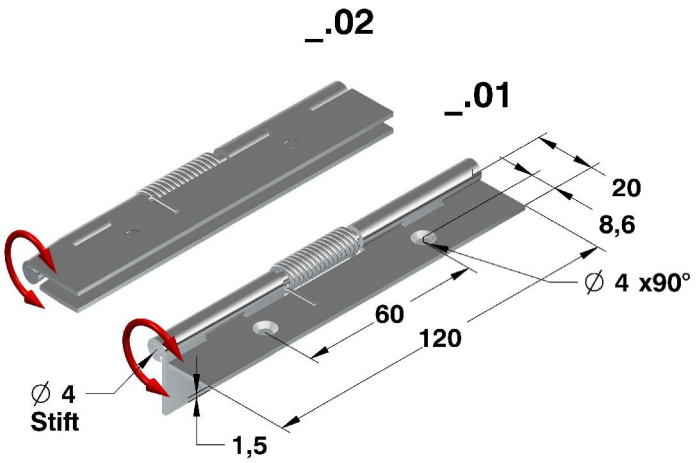
Article no.					Elastic force in g		
Series	Execution	Material			0°	90°	180°
		Raw					
		Steel	Stainless steel	Alu 5754			
6164	.01	.00	.30	.70	60	300	600
6164	.02	.00	.30	.70	60	300	600



Art. no.: 6164. __ /G (drilled and countersunk)

Tension spring made of stainless steel.

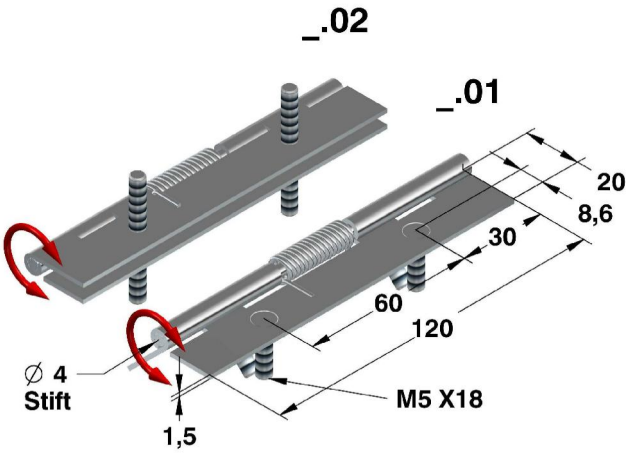
Article no.					Elastic force in g		
Series	Execution	Material			0°	90°	180°
		Zinc plated	Raw				
		Steel	Stainless steel	Alu 5754			
6164	.01	.04/G	.30/G	.70/G	60	300	600
6164	.02	.04/G	.30/G	.70/G	60	300	600



Art. no.: 6164 (with thread bolt M5)

Tension spring made of stainless steel.

Article no.					Elastic force in g		
Series	Execution	Material			0°	90°	180°
		Raw					
		Steel	Stainless steel	Alu 5754			
6164	.03	.00	.30	.70	60	300	600
6164	.04	.00	.30	.70	60	300	600

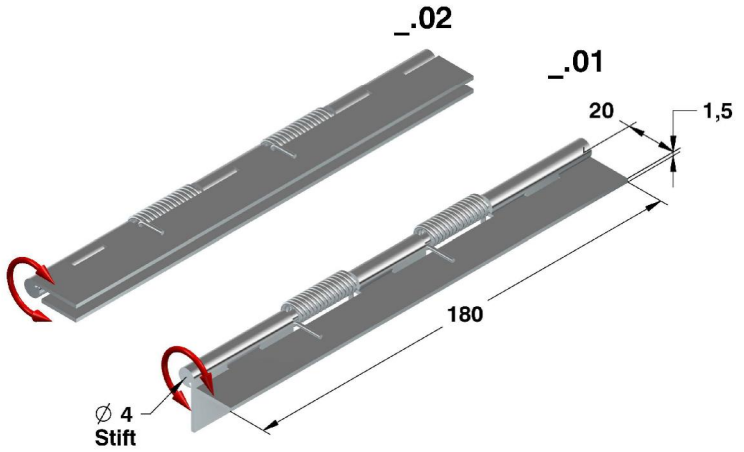


Spring hinges

Art. no.: 6165

Tension spring made of stainless steel.

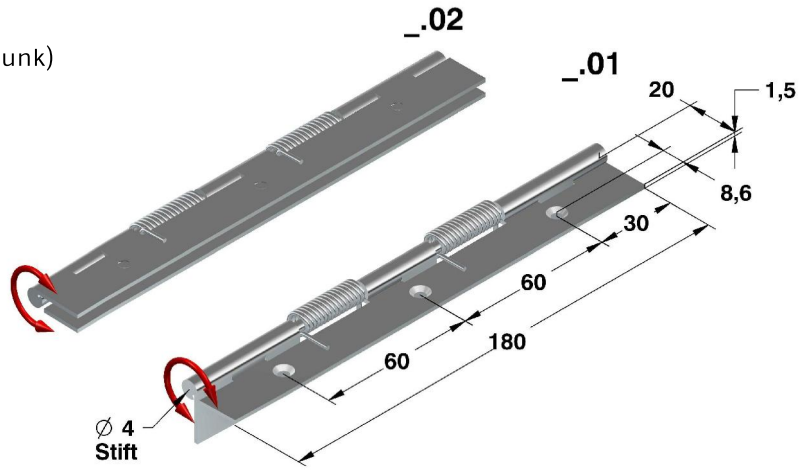
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6165	.01	.00	.30	120	600	1200
6165	.02	.00	.30	120	600	1200



Art. no.: 6165. __ /G (drilled and countersunk)

Tension spring made of stainless steel.

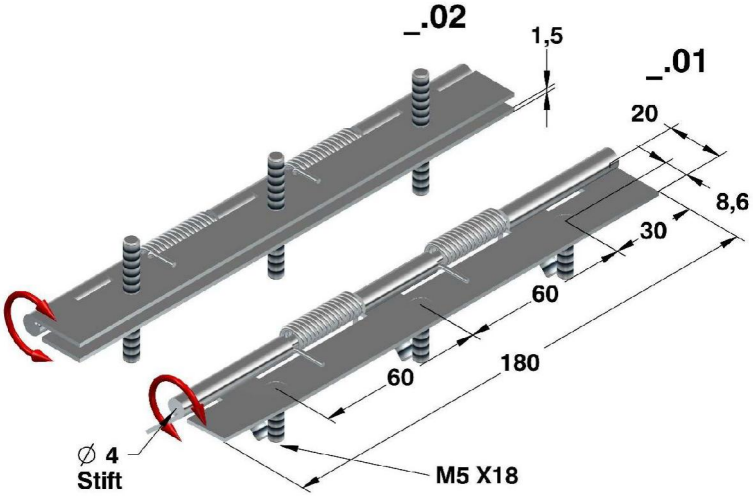
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Zinc plated	Raw			
		Steel	Stainless steel			
6165	.01	.04/G	.30/G	120	600	1200
6165	.02	.04/G	.30/G	120	600	1200



Art.no. 6165 (with thread bolt M5)

Tension spring made of stainless steel.

Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Zinc plated	Raw			
		Steel	Stainless steel			
6165	.03	.04	.30	120	600	1200
6165	.04	.04	.30	120	600	1200



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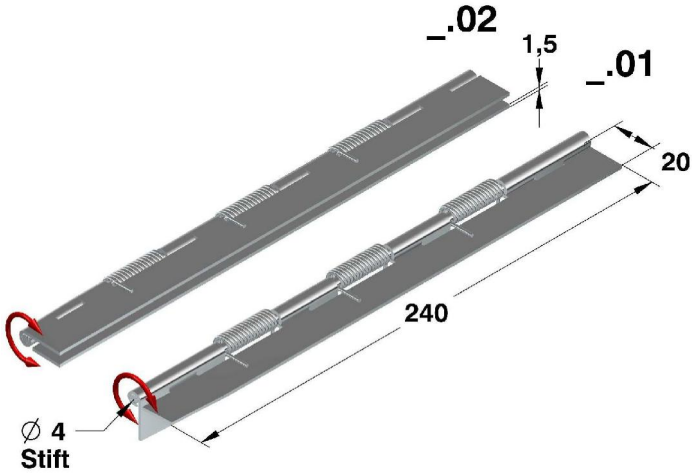
Spring hinges

Art. no.: 6166

Tension spring made of stainless steel.

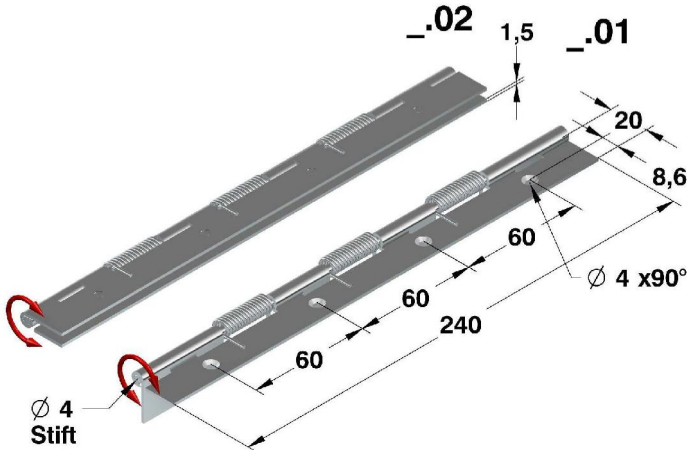
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6166	.01	.00	.30	180	900	1800
6166	.02	.00	.30	180	900	1800



Art. no.: 6166. __. /G (drilled and countersunk)

Tension spring made of stainless steel.

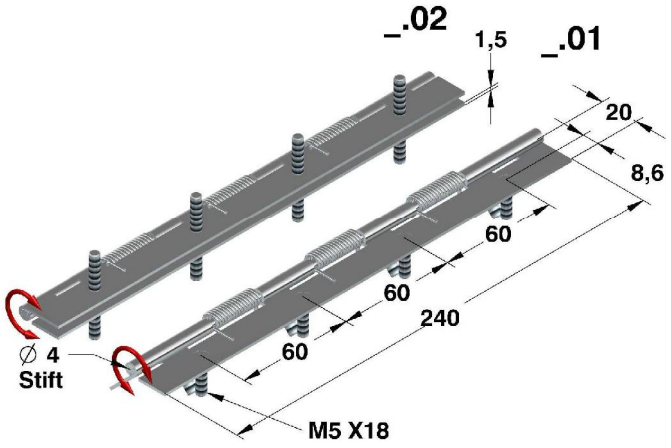
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Zinc plated	Raw			
		Steel	Stainless steel			
6166	.01	.04/G	.30/G	180	900	1800
6166	.02	.04/G	.30/G	180	900	1800



Art.no. 6166 (with thread bolt M5)

Tension spring made of stainless steel.

Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Zinc plated	Raw			
		Steel	Stainless steel			
6166	.03	.04	.30	180	900	1800
6166	.04	.04	.30	180	900	1800

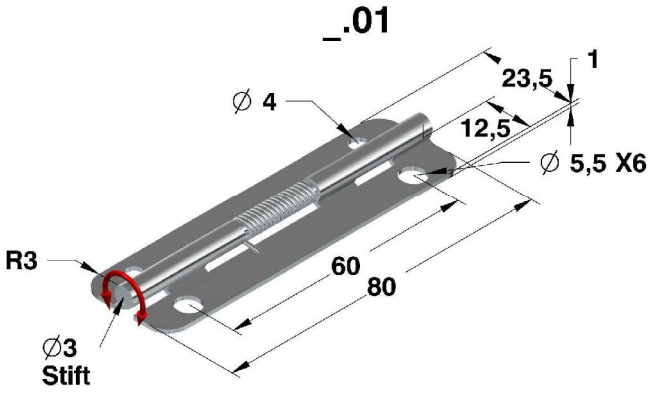


Spring hinges

Art. no.: 6169 (drilled)

Tension spring made of stainless steel.

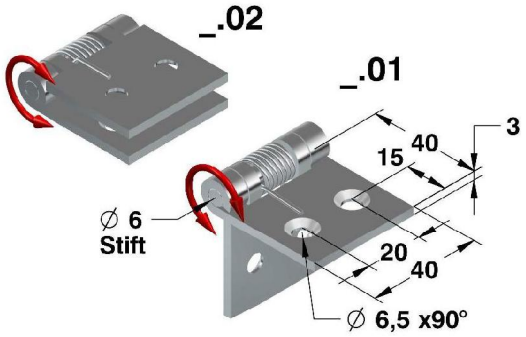
Article no.			Elastic force in g		
Series	Execution	Material Raw Stainless steel	0°	90°	180°
6169	.01	.30	50	100	150



Art. no.: 64080 (drilled and countersunk)

Tension spring made of stainless steel.

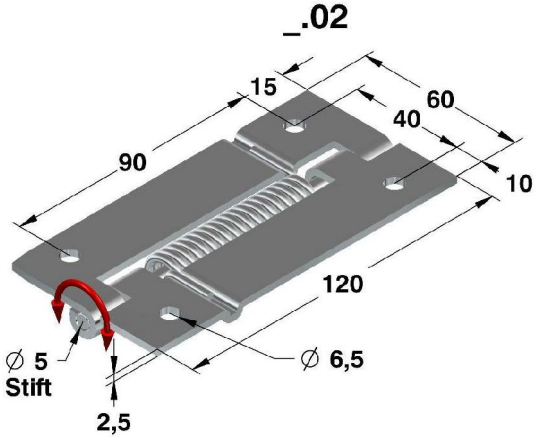
Article no.					Elastic force in g		
Series	Execution	Material Raw Stainless steel	Spring	Spring wire Ø in mm	0°	90°	180°
64080	.01	.30	.F15	1.5	150	520	920
64080	.02	.30	.F15	1.5	150	520	920



Art. no.: 6941 (drilled)

Tension spring made of stainless steel.

Article no.					Elastic force in g		
Series	Execution	Material Raw Stainless steel	Spring	Spring wire Ø in mm	0°	90°	180°
6941	.01	.30	.F28	2,8	300	1600	2600
6941	.02	.30	.F28	2,8	300	1600	2600



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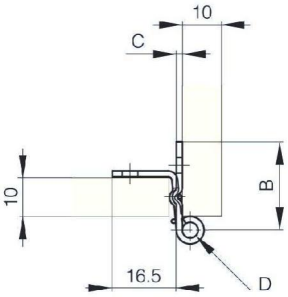
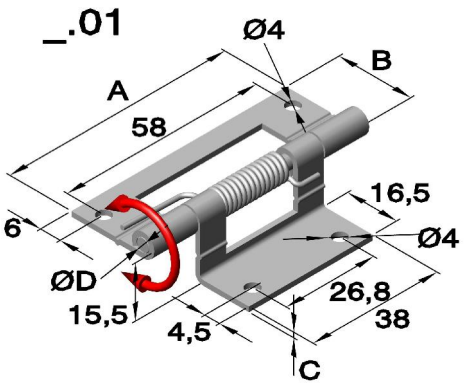
Spring hinges

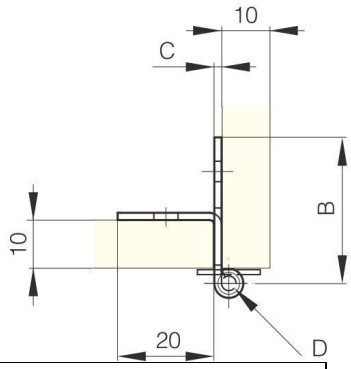
Art. no.: 6167 (drilled)

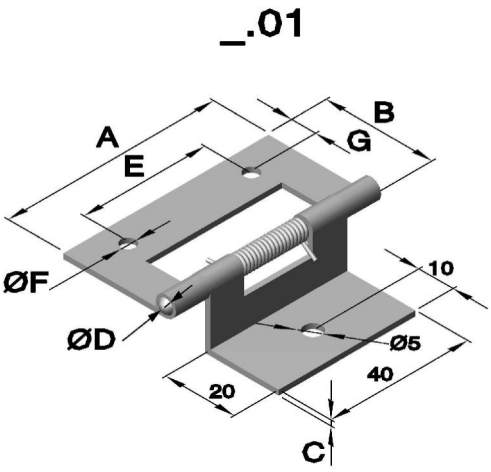




Article no.			Dimensions in mm			Elastic force in g		
Series	Execution	Material Polished Stainless steel	A	B	C	0°	90°	180°
6167	.01	.35	66	22,5	1,5	60	200	380

Art. no.: 6486 (drilled)

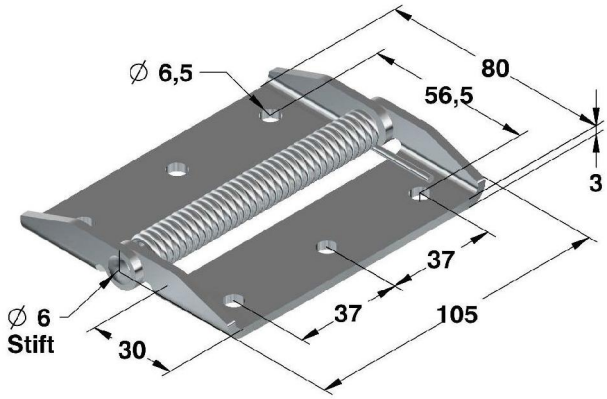




Article no.			Dimensions in mm						
Series	Execution	Material Raw Stainless steel	A	B	C	Ø D	E	Ø F	G
6486	.01	.35	60	30	1,5	3	36	4,2	7

Art.no.6269 (drilled)

Stainless steel pin riveted.



Article no.			Elastic force in N.m		
Series	Execution	Material Zinc plated Steel	0°	90°	180°
6269	.01(opening)	.04	1,2	1,7	2,2

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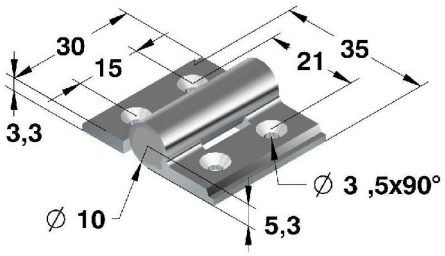
Spring hinges

Art.no. 6960 (drilled and countersunk)

with integrated spring

<u>also available as:</u>
Torque hinge see chapter „Torque hinge"
Detent hinge see chapter „Detent hinge"

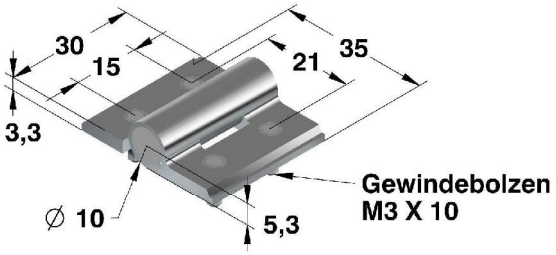


Article no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6960	.01(opening)	.71	.77	0,07	0,12	0,2
6960	.02(closing)	.71	.77	0,07	0,12	0,2

Art.no. 6960 (with thread bolt M3)

with intergrated spring

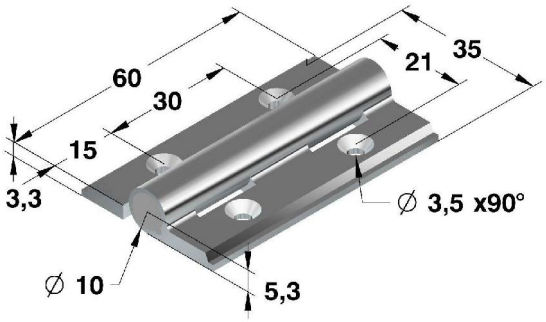
<u>also available as:</u>
Torque hinge see chapter „Torque hinge"
Detent hinge see chapter „Detent hinge"



Artikel no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6960	.03(opening)	.71	.77	0,07	0,12	0,2
6960	.04(closing)	.71	.77	0,07	0,12	0,2

Art.no.6896 (drilled and countersunk)

with intergrated spring



Article no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6896	.01 (opening)	.71	.77	0,16	0,3	0,5

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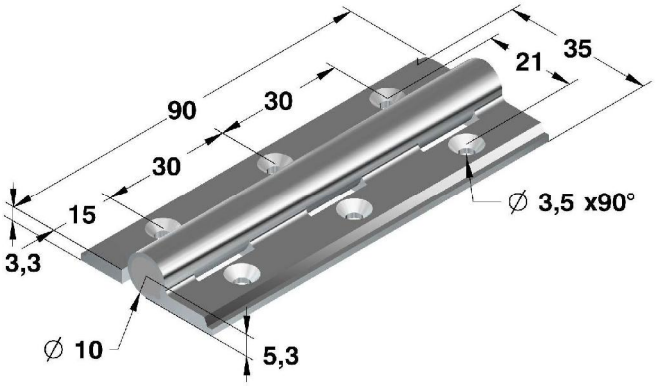
Spring hinges

Art.no.6897 (drilled and countersunk)

with intergrated spring

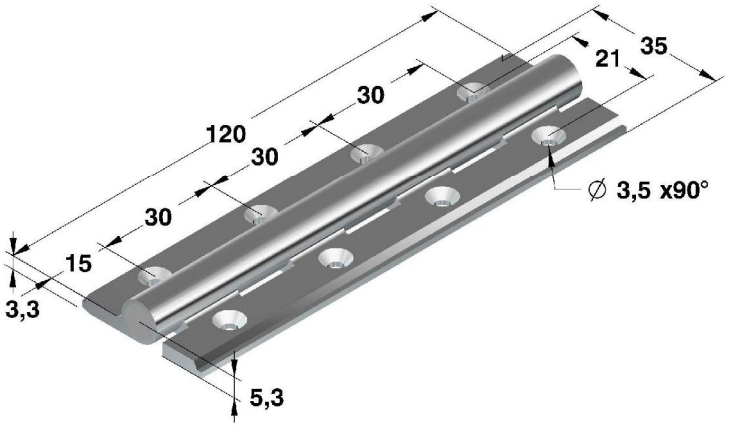
Article no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6897	.01 (opening)	.71	.77	0,3	0,5	0,7



Art.no.6898 (drilled and countersunk)

with intergrated spring

Article no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6898	.01 (opening)	.71	.77	0,4	0,7	0,9



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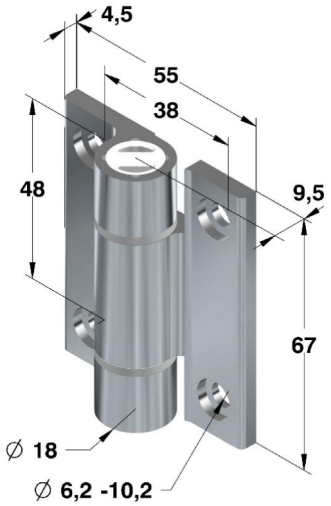
Spring hinges

Art. no.: 6872 (drilled and countersunk)
Art. no.: 6873 (drilled and countersunk)

With integrated spring

Also available as:
Free running hinge see chapter "hinges"
Torque hinge see chapter "torque and detent hinges"
Detent hinges see chapter "torque and detent hinges"

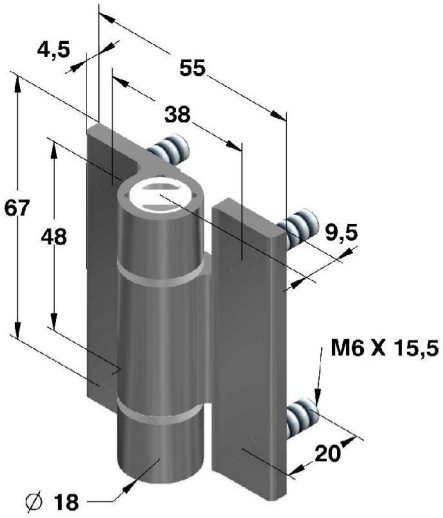


Article no.									Elastic force in N.m		
Series	Execution	Material							0°	90°	180°
		Alu 6060 T5		Stainless steel	Anodized						
		Silver	Black	1.4301	Blue	Red	Bronze	Gold			
6872	.01 (opening)	.70	.77	.30	.72	.73	.74	.75	0,23	0,45	0,7
6872	.01 (straight)	.70-AG	.77-AG	-	-	-	-	-	0,23	0,45	0,7
6872	.03 (closing)	.70	.77	.30	.72	.73	.74	.75	0,23	0,45	0,7
6872	.02 (opening)	.70	.77	.30	.72	.73	.74	.75	0,12	0,24	0,35
6872	.02 (straight)	.70-AG	.77-AG	-	-	-	-	-	0,12	0,24	0,35
6872	.04 (closing)	.70	.77	.30	.72	.73	.74	.75	0,12	0,24	0,35
6873	.01 (opening)	.70	.77	.30	.72	.73	.74	.75	0,9	1,1	1,3
6873	.01 (straight)	.70-AG	.77-AG	-	-	-	-	-	0,9	1,1	1,3
6873	.02 (closing)	.70	.77	.30	.72	.73	.74	.75	0,9	1,1	1,3

Art.no. 6873 (with thread bolt M6)

With intergrated spring

Also available as:
Free running hinge see chapter „hinges"
Torque hinge see chapter „torque hinge"
Detent hinge see chapter „detent hinge"



Article no.				Elastic force in N.m		
Series	Execution	Material		0°	90°	180°
		Alu 6060 T5				
		Silver	Black			
6873	.04(opening)	.70	.77	0,23	0,45	0,7
6873	.05(closing)	.70	.77	0,23	0,45	0,7
6873	.06(opening)	.70	.77	0,12	0,24	0,35
6873	.07(closing)	.70	.77	0,12	0,24	0,35
6873	.08(opening)	.70	.77	0,9	1,1	1,3
6873	.09(closing)	.70	.77	0,9	1,1	1,3

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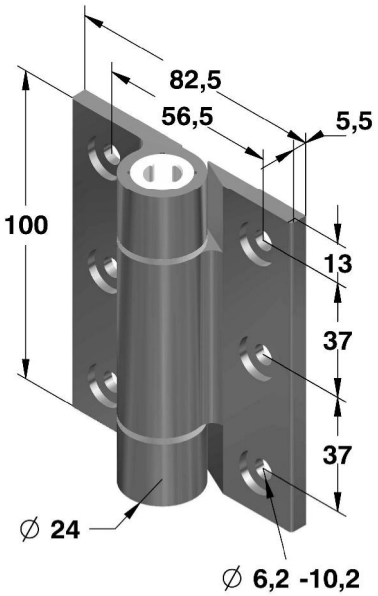
Spring hinges

Art. no.: 6876 (drilled and countersunk)

with integrated spring
Also available as:
Free running hinge see chapter "hinges"
Soft-closing hinge see also chapter "torque and detent hinges"



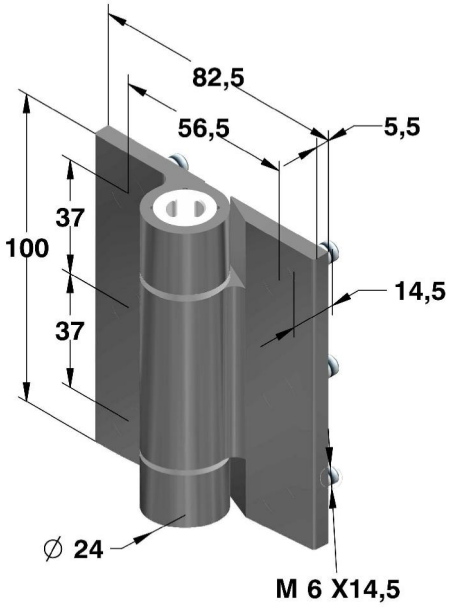
Article no.				Elastic force in N m		
Series	Execution	Material Aluminium 6060 T5		0°	90°	180°
		Silver	Black			
6876	.01	.70.	.77	2,4	3,1	3,8
6876	.02	.70	.77	2,4	3,1	3,8

Art.no. 6876 (with M6x14,5mm bolt)

With intergrated spring

Also available as:

Free running hinge see chapter „hinges"
Soft-Closing hinge see chapter „torque and detent hinges"



Article no.				Elastic force in N.m		
Series	Execution	Material Alu 6082 T5		0°	90°	180°
		Silver	Black			
6876	.03(opening)	.70.	.77	2,4	3,1	3,8

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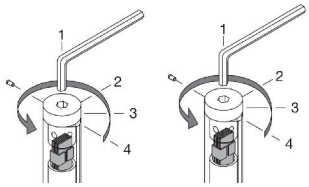
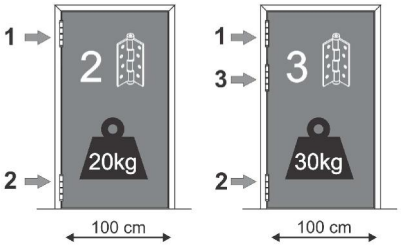
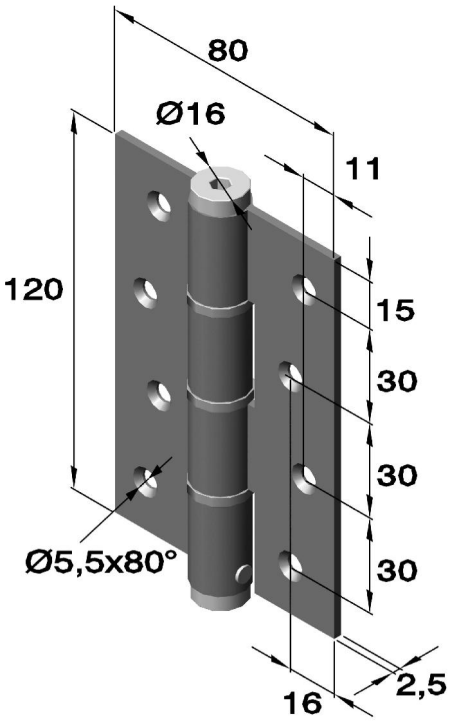
Spring hinges

Art.no. 158. 5314. __.__ (spring force adjustable)

with integrated spring





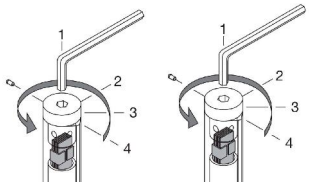


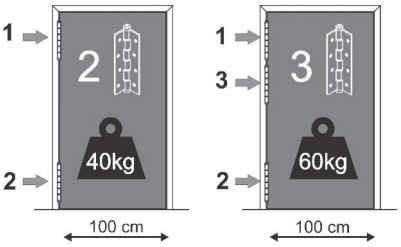
Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5314.08	.04	-	20	30
158.5314.05	-	.30	20	30

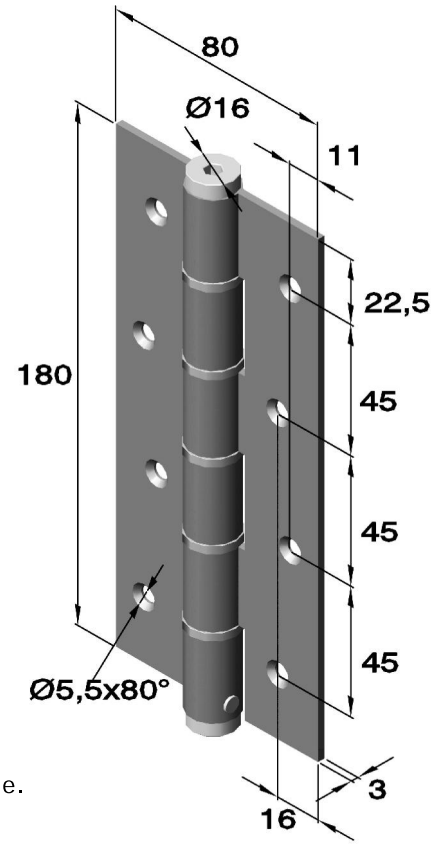
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

Art.no. 158. 5814.__.__ (spring force adjustable)

with integrated spring







Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5814.08	.04	-	40	60
158.5814.05	-	.30	40	60

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

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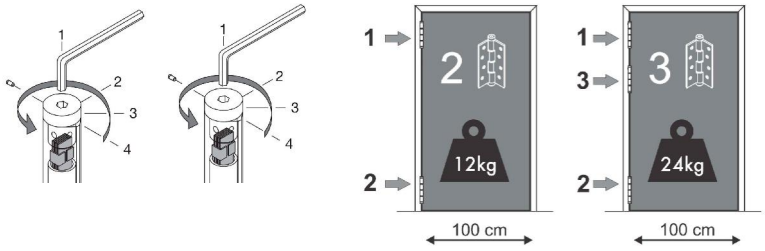
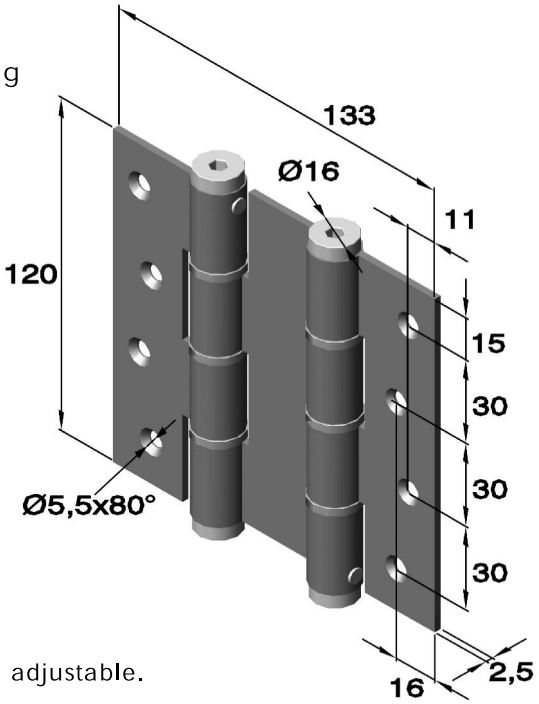
Spring hinges

Art.no. 158. 5414. __. __ (spring force adjustable)

Double joint hinge/Swing door hinge, with integrated spring



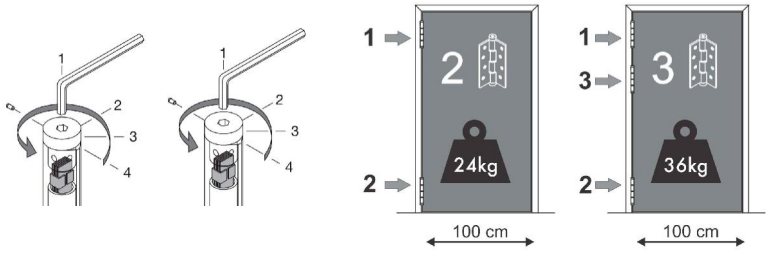


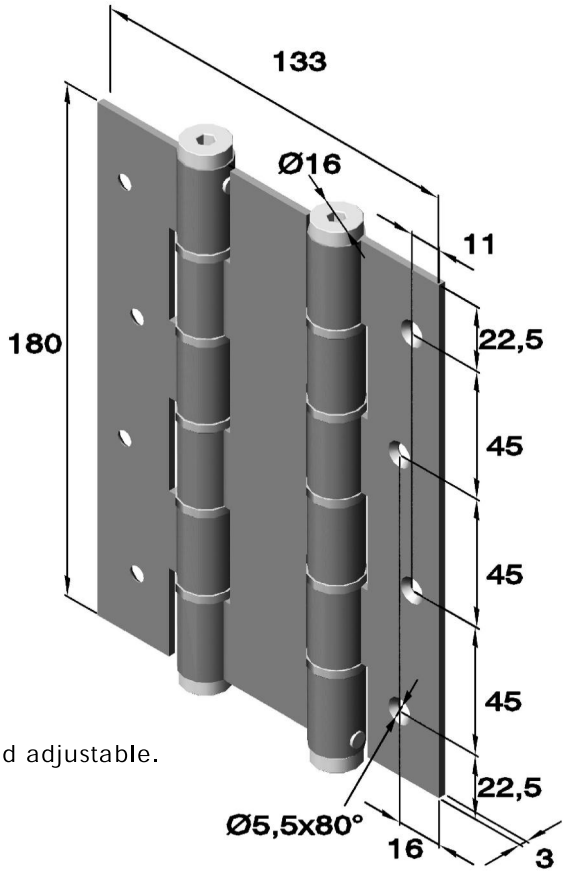
Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5414.08	.04	-	12	24
158.5414.05	-	.30	12	24

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

Art.no. 158. 5914. __. __ (spring force adjustable)

double joint hinge/Swing door hinge,
with integrated spring





Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5914.08	.04	-	24	36
158.5914.05	-	.30	24	36

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

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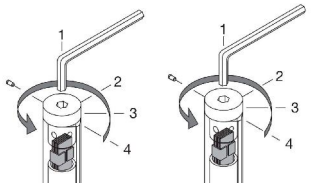
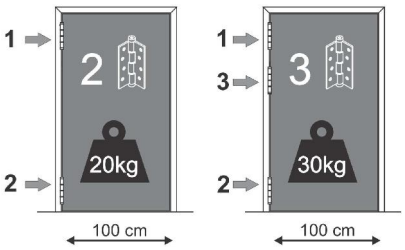
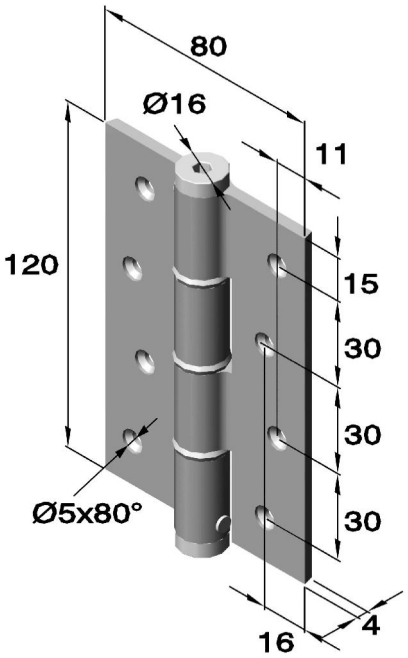
Spring hinges

Art.no. 158. 5314. __. __ (spring force adjustable)

with integrated spring





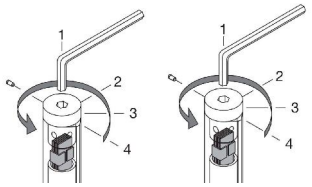


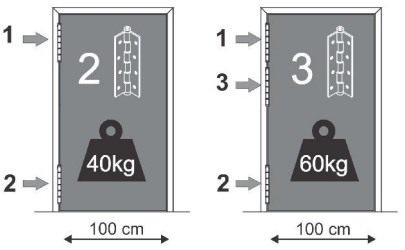
Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5314.01	.71	Silver	20	30
158.5314.02	.72	Gold	20	30
158.5314.03	.73	Bronze	20	30
158.5314.06	.76	White	20	30
158.5314.09	.77	Black	20	30

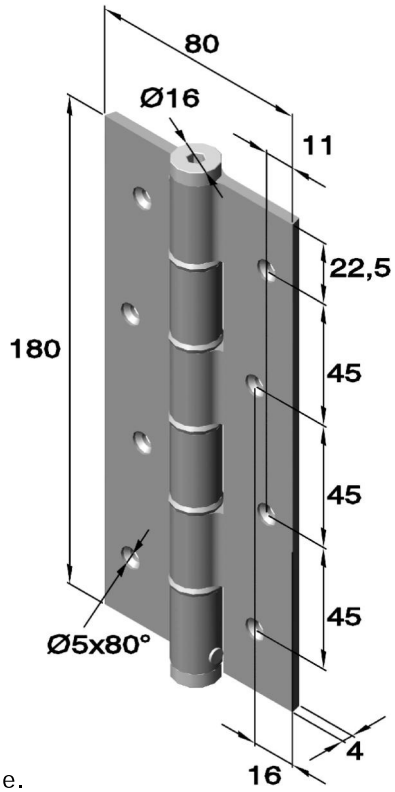
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

Art.no. 158. 5814. __. __ (spring force adjustable)

with integrated spring







Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5814.01	.71	Silver	40	60
158.5814.02	.72	Gold	40	60
158.5814.03	.73	Bronze	40	60
158.5814.06	.76	White	40	60
158.5814.09	.77	Black	40	60

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

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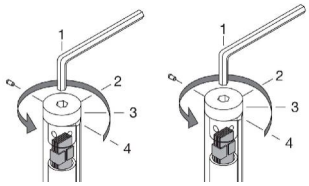
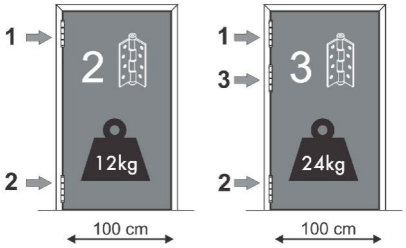
Spring hinges

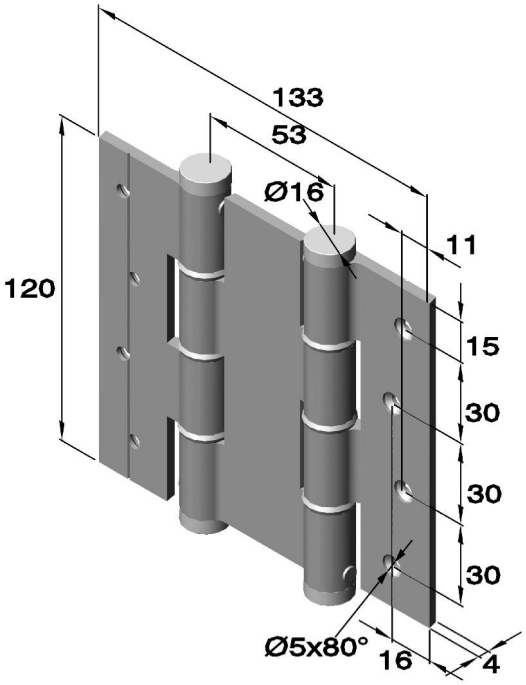
HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art.no. 158. 5414. __. __ (spring force adjustable)

Double joint hinge/Swing door hinge,
with integrated spring





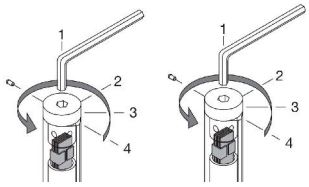


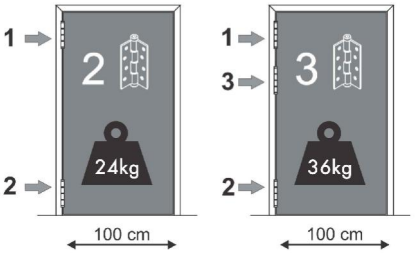
Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5414.01	.71	Silver	12	24
158.5414.02	.72	Gold	12	24
158.5414.03	.73	Bronze	12	24
158.5414.06	.76	White	12	24
158.5414.09	.77	Black	12	24

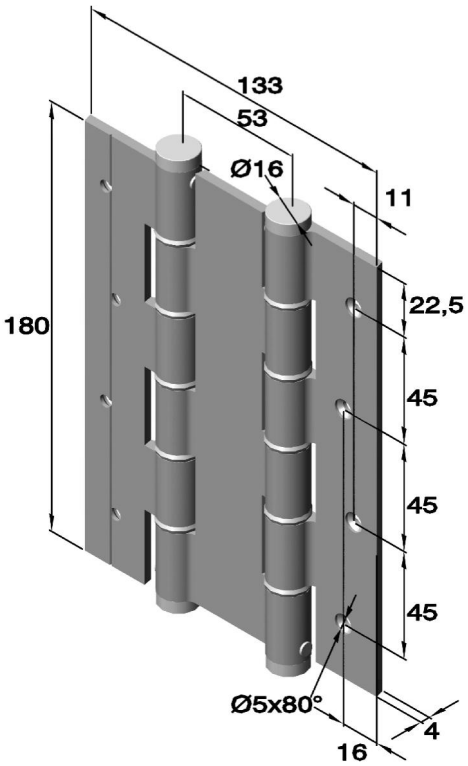
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

Art.no. 158. 5914. __. __ (spring force adjustable)

Double joint hinge/Swing door hinge,
with integrated spring

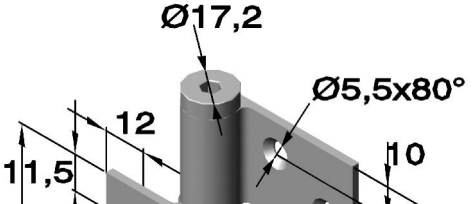






Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5914.01	.71	Silver	24	36
158.5914.02	.72	Gold	24	36
158.5914.03	.73	Bronze	24	36
158.5914.06	.76	White	24	36
158.5914.09	.77	Black	24	36

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.



Phone:
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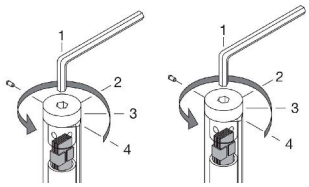
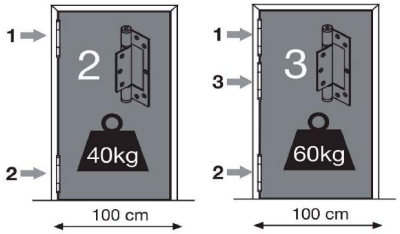
Email:
Homepag

Spring hinges

Art.no. 158. 6314. __. __ (spring force adjustable)

with integrated spring



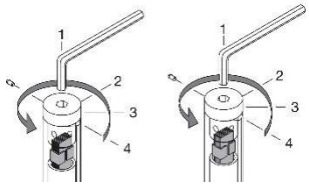


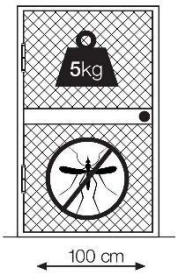
Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.6314.01	.71	Silver	40	60
158.6314.02	.72	Gold	40	60
158.6314.03	.73	Bronze	40	60
158.6314.06	.76	White	40	60
158.6314.09	.77	Black	40	60

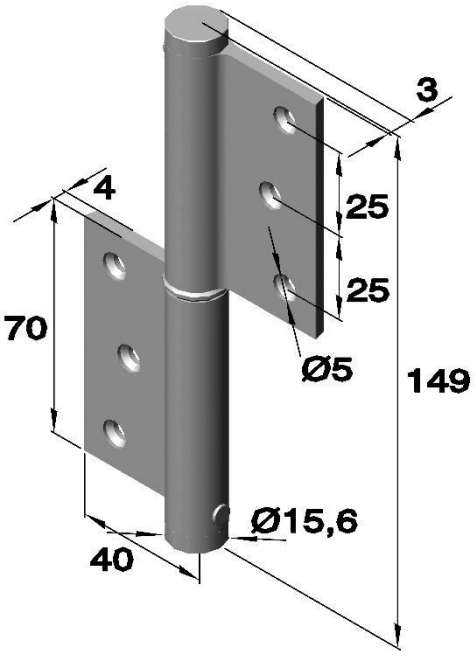
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

Art.no. 158. 6717.__.__ (spring force adjustable)

with intergrated spring







Article no.		
Series	Material	
	Aluminium	Anodized
158.6717.01	.71	Silver
158.6717.02	.72	Gold
158.6717.03	.73	Bronze
158.6717.06	.76	White
158.6717.09	.77	Black

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

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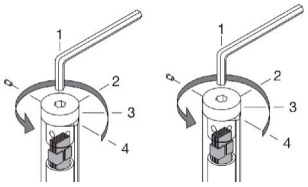
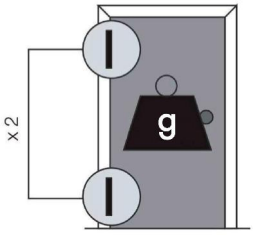
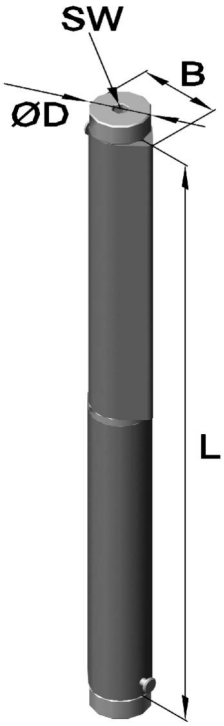
Spring hinges

Art.no. 158.I-5___. __ (spring force adjustable)

with integrated spring





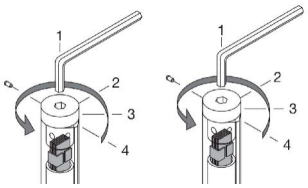


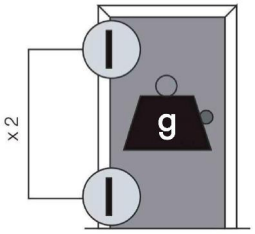
Article no.			Dimensions in mm				Loading capacity in kg
Series	Material		L	B	SW	ØD	g
	Raw	Raw					
	Steel	Stainless steel (V2A)					
158.I-5524	.00	.05.30	120	21	5	18	20
158.I-5324	.00	.05.30	180	21	5	18	40
158.I-5124	.00	.05.30	235	26	5	22	60

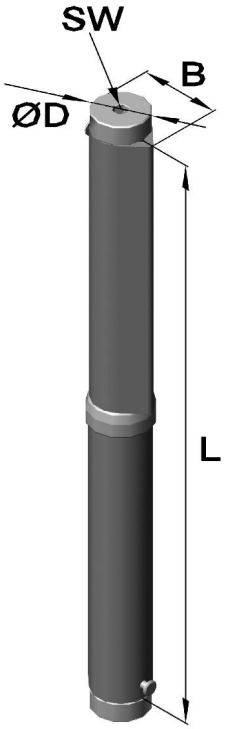
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

Art.no. 158.I-5___. __ (spring force adjustable)

with integrated spring, with ball bearing







Article no.			Dimensions in mm				Loading capacity in kg
Series	Material		L	B	SW	ØD	g
	Raw	Raw					
	Steel	Stainless steel (V2A)					
158.I-5334	.00	.05.30	180	21	5	18	60
158.I-5134	.00	.05.30	235	26	5	22	120

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

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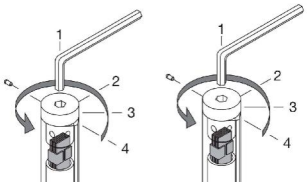
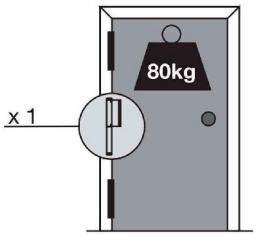
Spring hinges

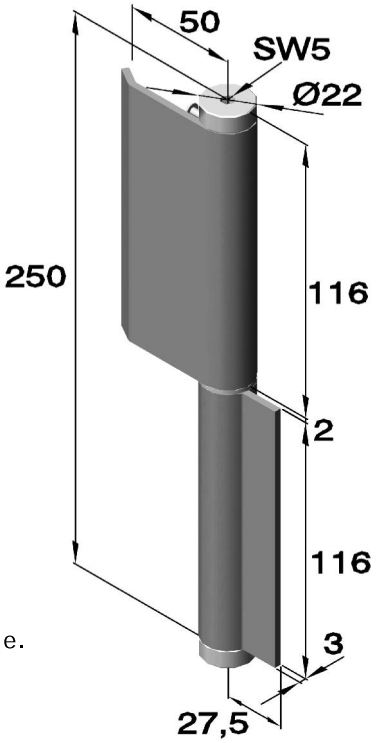
Hinges for fire doors

Art.no. 158.I-5224. __ (spring force adjustable)

with integrated spring







Article no.		Loading capacity in kg
Series	Material Raw Steel	g
158.I-5224	.00	80

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. opening angle 180°.

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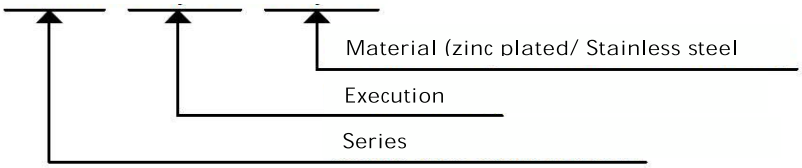
Plastic hinges

hinges made of polyamide

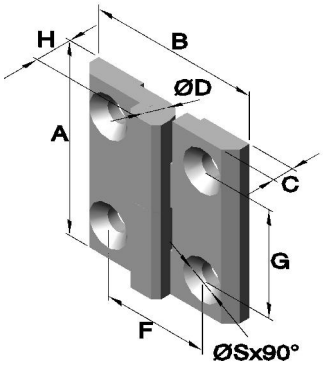
Ordering example:

Art.no 6001 .01/02 .04/30



Art. no.: 6550 (drilled and countersunk)

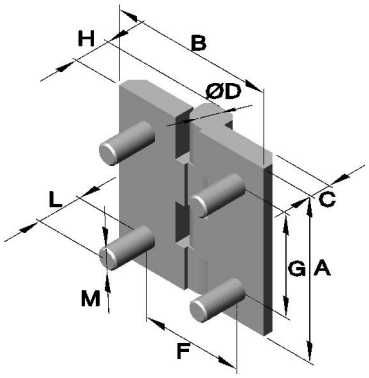
with stainless steel pin



Article no.		Material	Dimensions in mm							
Series	Execution		A	B	C	Ø D	F	G	H	Ø Pin
6550	.01	Polyamide	40	40	5	4	25	25	9	5,3
6550	.02	Polyamide	50	50	6	6	30	30	11,5	6,4

Art. no.: 6551

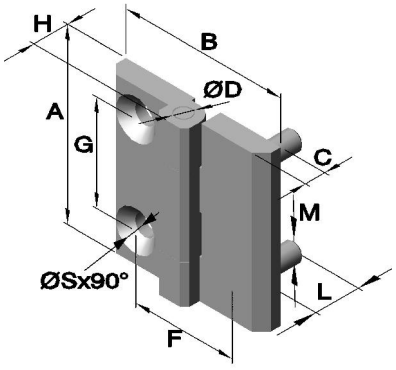
with stainless steel pin and threaded bolts



Article no.		Material	Dimensions in mm								
Series	Execution		A	B	C	Ø D	F	G	H	L	M
6551	.01	Polyamide	40	40	5	4	25	25	9	11	M5
6551	.02	Polyamide	50	50	6	6	30	30	11,5	15	M6

Art. no.: 6552 (drilled and countersunk)

with stainless steel pin and threaded bolt



Article no.		Material	Dimensions in mm									
Series	Execution		A	B	C	Ø D	F	G	H	L	M	Ø Pin
6552	.01	Polyamide	40	40	5	4	25	25	9	11	M5	5,3
6552	.02	Polyamide	50	50	6	6	30	30	11,5	15	M6	6,4

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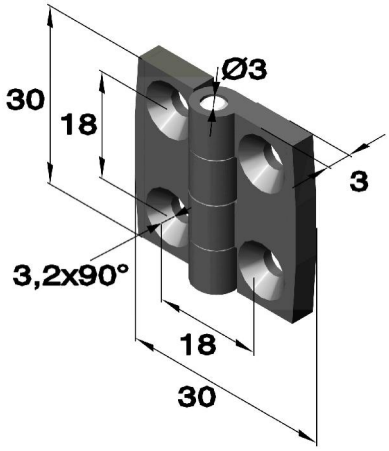
Plastic hinges
hinges made of polyamide

Art. no.:6530 (drilled and countersunk)
with stainless steel pin

Material and surface:
30 % glas fibre polyamide
UL 94 V-0 classification

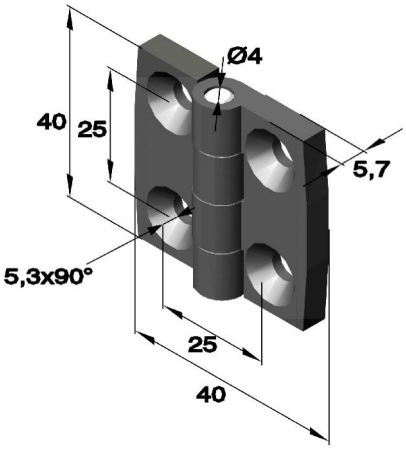
Article no.		
Series	Execution	Material
		Black
		Polyamide
6530	.01	.80



Art. no.:6530 (drilled and countersunk)
with stainless steel pin

Material and surface:
30 % glas fibre polyamide
UL 94 V-0 classification

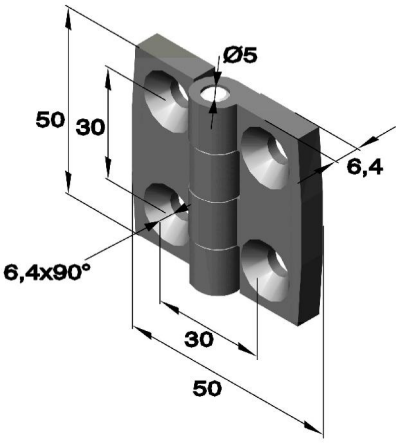
Article no.		
Series	Execution	Material
		Black
		Polyamide
6530	.02	.80



Art. no.:6530 (drilled and countersunk)
with stainless steel pin

Material and surface:
30 % glas fibre polyamide
UL 94 V-0 classification

Article no.		
Series	Execution	Material
		Black
		Polyamide
6530	.03	.80



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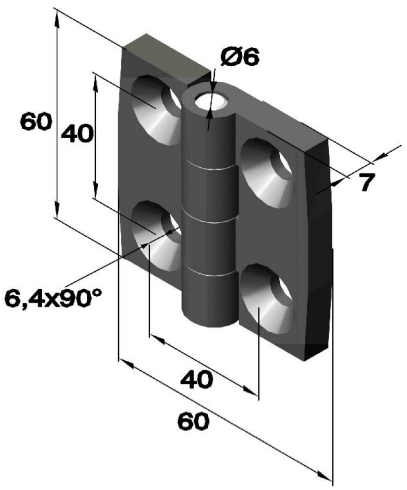
Plastic hinges
hinges made of polyamide

Art. no.:6530 (drilled and countersunk)
with stainless steel pin

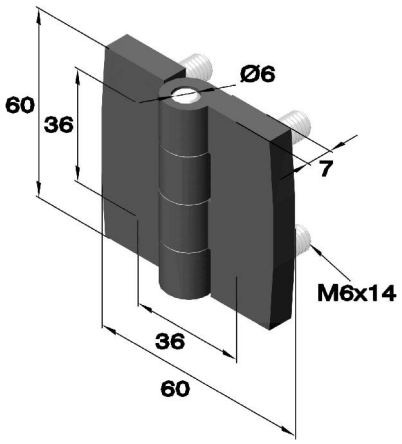
Material and surface:
30 % glas fibre polyamide
UL 94 V-0 classification



Article no.		
Series	Execution	Material
		Black
		Polyamide
6530	.04	.80

Art. no.:6560
with stainless steel pin and threaded bolt

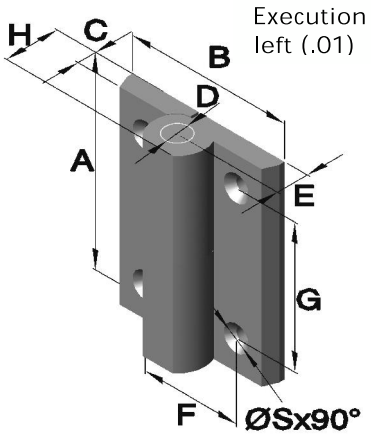
Material and surface:
30 % glas fibre polyamide
UL 94 V-0 classification



Article no.		
Series	Execution	Material
		Black
		Polyamide
6560	.01	.80

Art. no.: 6124 (drilled and countersunk)
with stainless steel pin without intermediate ring,

Left completion (.01) is inverse to right completion (.02).
Maximum load: 40kg



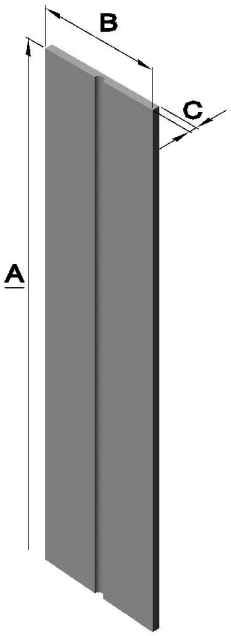
Article no.			Material	Dimensions in mm								
Series	Execution			A	B	C	Ø D	E	F	G	H	Ø Pin
	Left	Right	Polyamide									
6124	.01	.02	.80	74	60	7	9,5	11,5	36	51	20	5

Plastic hinges

hinges made of polyamide

Plastic hinges in rolls of 15,25 m

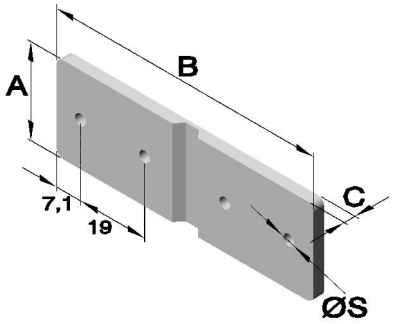
Technical information:
Temperature: - 40° C up to + 80°C.
Fixation with rivets, pins, nails and bars.
Chemical resistance: oil, seawater, solvents and most chemical substances.



Article no.				Material	Dimensions in mm		
Series	Colour						
	White	Grey	Black		A	B	C
6521	.01	.02	.03	Polypropylene	15250	28,6	3,2
6522	.01	.02	.03	Polypropylene	15250	38,1	3,2
6523	.01	.02	.03	Polypropylene	15250	50,8	3,2
6524	.01	.02	.03	Polypropylene	15250	76,2	3,2

Art.no.:6525 (drilled and countersunk)

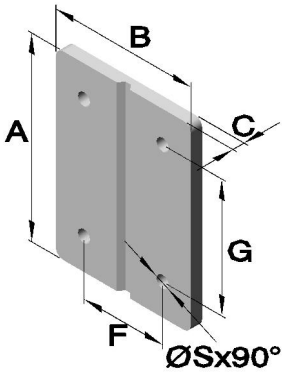
Technical information:
Temperature: - 40° C up to + 80°C.
Fixation with rivets, pins, nails and bars
Chemical resistance: oil, seawater, solvents and the most chemical substances.



Article no.			Material	Dimensions in mm			
Series	Colour						
	White	Black		A	B	C	Ø S
6525	.01	.03	Polypropylene	25,4	76,2	3,2	3,2

Art.no.:6526 (drilled and countersunk)

Technical information:
Temperature: - 40° C up to + 80°C.
Fixation with rivets, pins, nails and bars.
Chemical resistance: oil, seawater, solvets and the most chemical substances.



Article no.			Materials	Dimensions in mm					
Series	Colour								
	White	Black		A	B	C	F	G	Ø S
6526	.01	.03	Polypropylene	50,8	38,1	3,17	22,2	33,3	3,43

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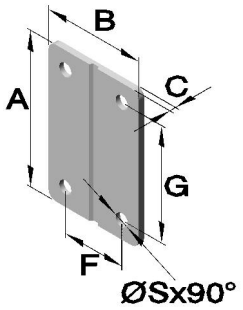
Plastic hinges
hinges made of polyamide

Art.no.:6527 (drilled and countersunk)

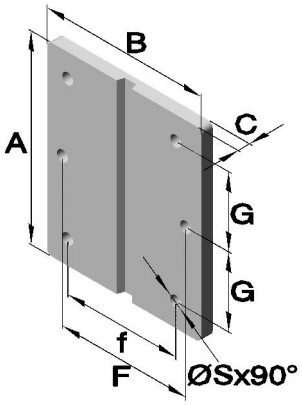
Technical information:
Temperature: - 40° C up to + 80°C.
Fixation with rivets, pins, nails and bars.
Chemical resistance: oil, seawater, solvets and the most chemical substances.



Article no.			Material	Dimensions in mm					
Series	Colour			A	B	C	F	G	Ø S
	White	Black							
6527	.01	.03	Polypropylene	38,1	25,4	2	15,9	28,6	3,43

Art.no.:6528

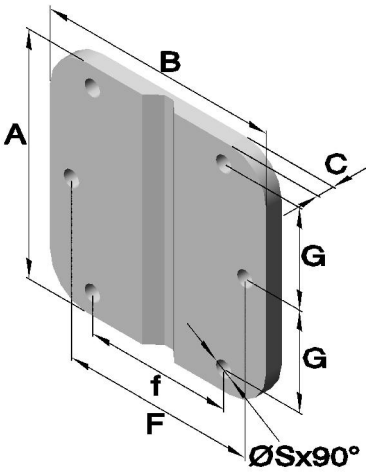
Technical information:
Temperature: - 40° C up to + 80°C.
Fixation with rivets, pins, nails and bars.
Chemical resistance: oil, seawater, solvets and the most chemical substances.



Article no.			Material	Dimensions in mm						
Series	Colour			A	B	C	F	f	G	Ø S
	White	Black								
6528	.01	.03	Polypropylene	76,2	63,5	4,76	50,8	44,4	57,1	4,65

Art.nr.:6529 (drilled and countersunk)

Technical information:
Temperature: - 40° C up to + 80°C.
Fixation with rivets, pins, nails and bars.
Chemical resistance: oil, seawater, solvets and the most chemical substances.



Article no.			Material	Dimensions in mm						
Series	Colour			A	B	C	F	f	G	Ø S
	White	Black								
6529	.01	.03	Polypropylene	88,9	88,9	6,35	71,4	54	36,5	6

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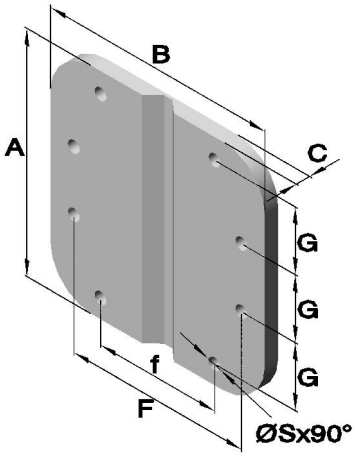
Plastic hinges

hinges made of polyamide

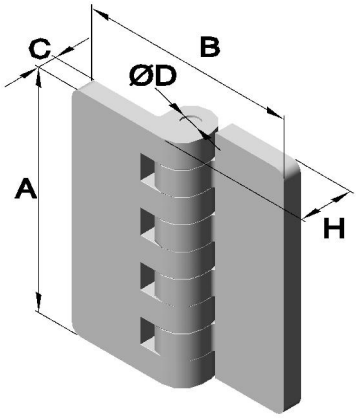
Art. no.: 6531 (drilled and countersunk)

Technical information:
Temperature: - 40° C up to + 80°C.
Fixation with rivets, pins, nails and bars.
Chemical resistance: oil, seawater, solvents and most chemical substances.



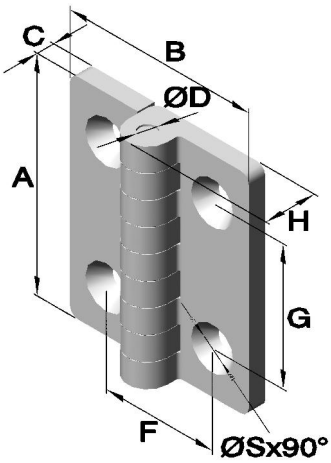
Article no.			Material		Dimensions in mm					
Series	Colour									
	White	Black		A	B	C	F	f	G	Ø Pin
6531	.01	.03	Polypropylene	101,6	101,6	6,35	79,4	54	27,8	8

Art. no.: 6534



Article no.					Material	Dimensions in mm				
Series	Colour									
	White	Grey	Black	Transparent		A	B	C	Ø D	H
6534	.01	-	.02	-	Polypropylene	63,5	54	5	3,2	14,6
6534	-	-	-	.05	Polycarbonate	63,5	54	5	3,2	14,6

Art. no.: 6535 (drilled and countersunk)



Article no.			Dimensions in mm							
Series	Colour	Material	A	B	C	Ø D	F	G	H	Ø Pin
6535	Nature	Polyethylene	63,5	54	5	3,2	32	38,1	14,6	6,2

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Torque hinges/ detent hinges

Art.:6871

Art.:6875

Art.:6871.04

Art.:6871.05

Art.:6876

Art.: 150.SK-T-ZA

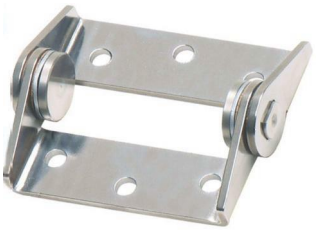
Art.: 150.SK-T-ZA

Art.: 150.HG-TA

Art.: 150.HG-IT MC

Art.: 150.SF-TH

Art.: 150.HG-TS



Art.: 150.HG-ITS

Art.: 150.HG-ITM

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Torque hinges

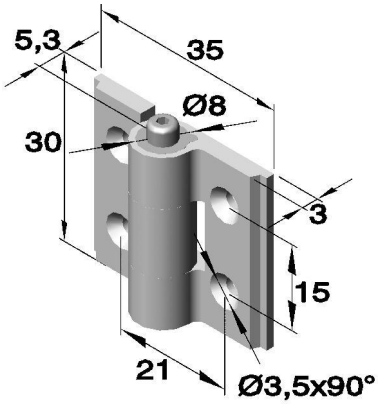
The advantage of torque hinges is that every possible desirable positioning may be kept.
The torque is adjusted through an adjustment screw.

Art. no.: 6871 (drilled and countersunk)

Set screw: hexagon socket 2.5
Temperature resistance: -20 °C up to + 80 °C

Max. tensile strength: 2240 N
Max. shear strength: 1050 N

Also available as:
Spring hinge see chapter „Spring hinges "
Detent hinge see chapter „Torque and detent hinges "



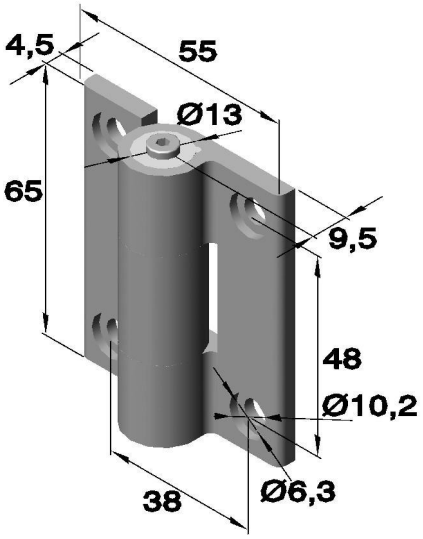
Article no.				
Seriess	Execution	Material		
		Raw	Colourless	Black
		Alu. 6060 T5	Alu. 6060 T5	Alu. 6060 T5
6871	.01	.70	-	.77
6871	.02	-	.70	-

Art. no.: 6871 (drilled and countersunk)

Holding torque: 0 - 5 Nm max.
Set screw: hexagon socket 4
Temperature resistance: -20 °C up to + 80 °C

Max. tensile strength: 6000 N
Max. shear strength: 5000 N

Also available as:
Free running hinge see chapter "Hinges"
Spring hinge see chapter „Spring hinges "
Detent hinge see chapter „Torque and detent hinges "



Article no.			
Seriess	Execution	Material	
		Colourless	Black
		Alu. 6060 T5	Alu. 6060 T5
6871	.04	.70	.77

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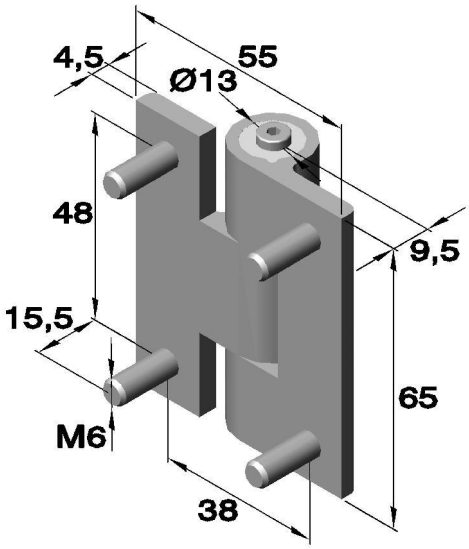
Torque hinges

Art. no.: 6871 (drilled and countersunk)

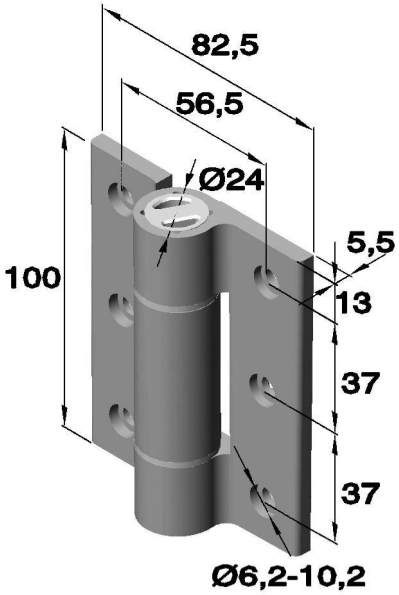


Holding torque: 0 - 5 Nm max.
Set screw: Hexagon socket 4
Temperature resistance: -20 °C up to + 80 °C

Max. tensile strength: 6000 N
Max. shear strength: 5000 N

Article no.			
Seriess	Execution	Material	
		Raw	Black
		Alu. 6060 T5	Alu. 6060 T5
6871	.05	.70	.77

Art. no. 6876 (drilled and countersunk)9



Soft-closing hinge
Opens and closes steamed.
Feature till 115° guaranteed
Torque per Pair: 2,5 to 4,5 N.m

Also available as:
Free running hinge see chapter "Hinges"
Spring hinge see chapter "Spring hinges"

Article no.		
Seriess	Execution	Material
		Anodized colourless
		Aluminium 6060 T5
6876	.06	.71

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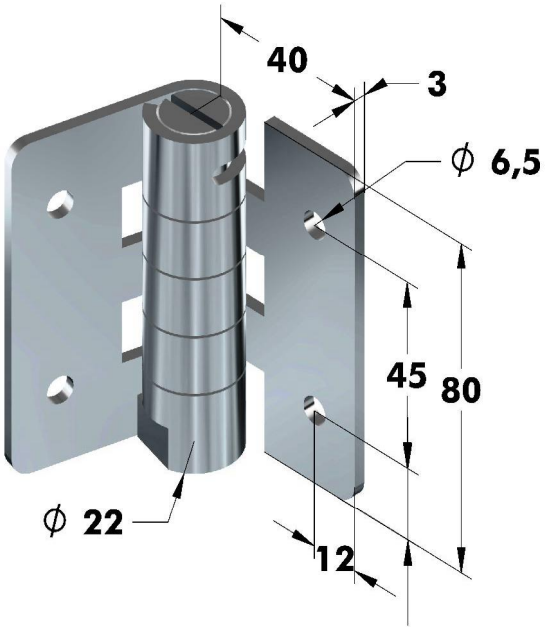
Torque hinges

Art. no. 6877 (drilled)

Soft-Closing hinge
Opens and closes steamed

Feature till 115° guaranteed
Torque per Pair: 2,2 bis 3,0 N.m

Operating temperature: 0 °C- 40 °C

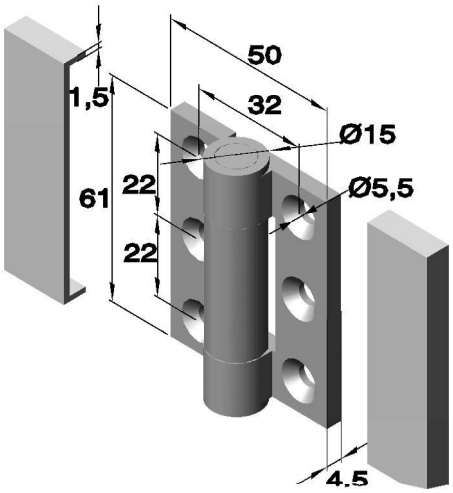


Article no.		
Seriess	Execution	Material
		Raw
		Stainless steel
6877	.01	.30

Art. no.: 150.SK-T-ZA (drilled and countersunk)

with constant torque.

Cover made of chrome plated plastic.



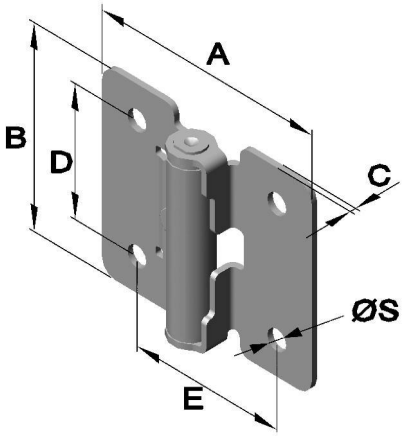
The declared torque could boast tolerances.

Article no.			
Seriess	Execution	Material	Torque in N.m
		Chrome plated	
		Zamak	
150.SK-T-ZA	1CR	.03	2,9
150.SK-T-ZA	2CR	.03	1,9
150.SK-T-ZA	3CR	.03	1,5

Art. no.: 150.HG-TS

with constant torque.

Operating temperature: -10 ° C ~ 50 ° C
Operating humidity: ~ 90% RH (oder weniger)



The declared torque could boast tolerances.

Article no.			Dimension in mm						Torque
Seriess	Execution	Material	A	B	C	D	E	ØS	in N.m.
		Raw							
		Stainless steel							
150.HG-TS	03	.30	36	32	1,2	18	21	4,3	0,35
	07	.30	48	40	1,2	26	32	4,3	0,7
	15	.30	48	50	2	36	32	4,3	1,5

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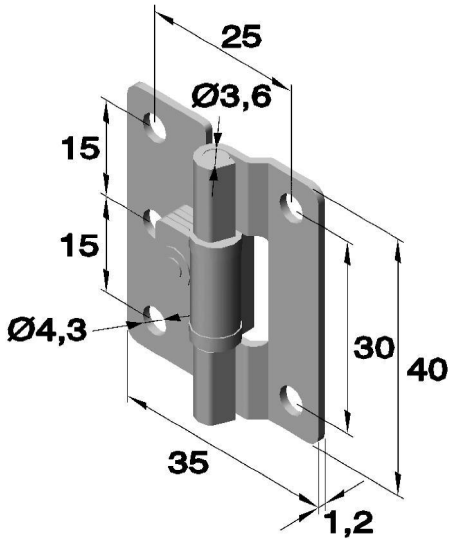
Torque hinges

Art.no.: 150.SFTH (drilled)

with constant torque.

Operating temperature: -20°C ~ 60°C



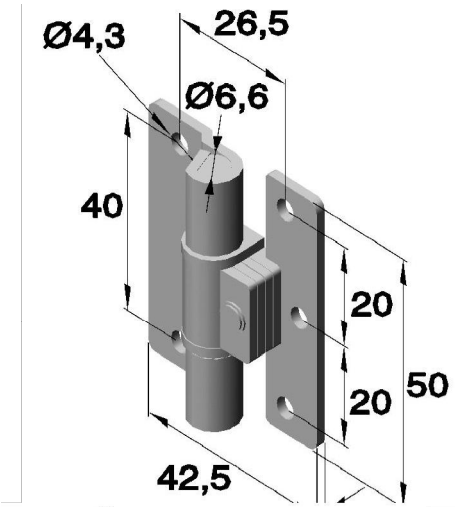
The declared torque could boast tolerances.

Article no.			Torque in N.m.
Seriess	Execution	Material: Raw / Stainless steel	
150.SFTH	-02-5	.30	0,5

Art.no.: 150.SFTH (drilled)

with constant torque.

Operating temperature: -20°C ~ 60°C



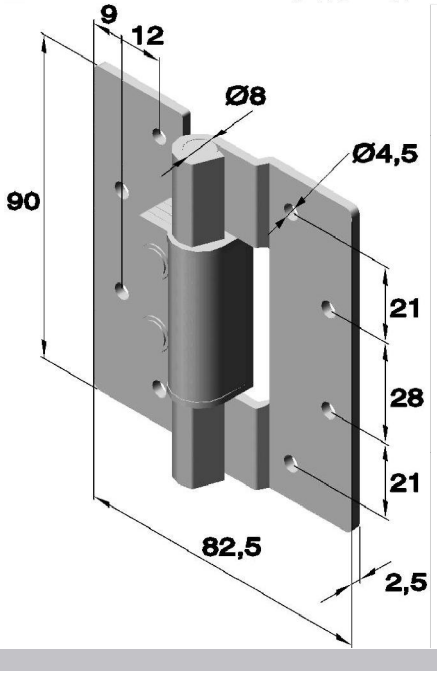
The declared torque could boast tolerances.

Article no.			Torque in N.m.
Seriess	Execution	Material: Raw / Stainless steel	
150.SFTH	-03-9	.30	0,9
	-03-19	.30	1,9

Art.no.: 150.SFTH (drilled)

with constant torque.

Operating temperature: -20°C ~ 60°C



The declared torque could boast tolerances.

Article no.			Torque in N.m.
Seriess	Execution	Material: Raw / Stainless steel	
150.SFTH	-05-35	.30	3,4
	-05-58	.30	5,7

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Torque hinges

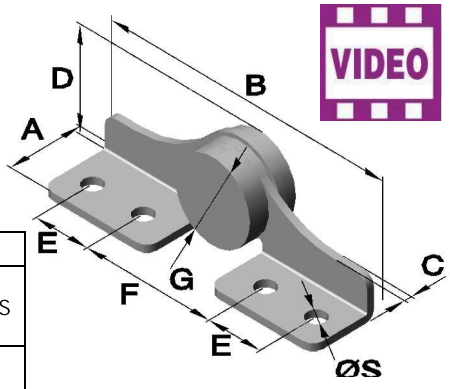
Art.no.: 150.HG-TA (drilled)

with constant torque.

Operating temperature: 0°C ~ 40°C

The declared torque could boast tolerances.

Article no.			Torque in N.m.	Dimension in mm						
Series	Execution	Material Raw Stainless steel		A	B	C	D	E	F	ØS
150.HG-TA	20L (Left)	.30	2	18,5	66	2	18	13	27	4,3
	20R (Right)	.30								
	30L (Left)	.30	3							
	30R (Right)	.30								
	45L (Left)	.30	4,5	23,5	80	2	25	15	34	5,3
	45R (Right)	.30								



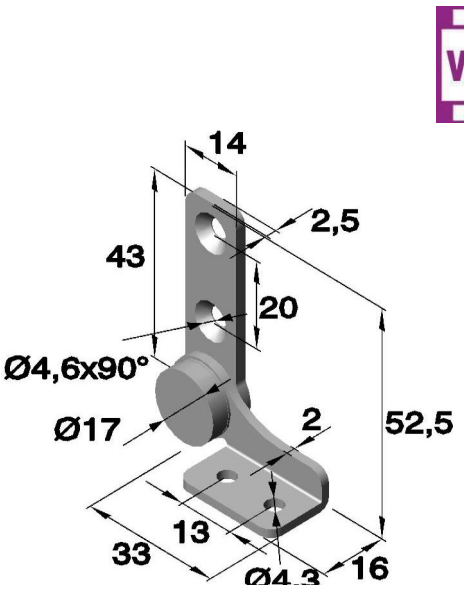
Art. no.: 150.HG-TB (perforated and countersunk)

with constant torque.

Operating temperature: 0°C ~ 40°C

The declared torque could boast tolerances.

Article no.			Torque in N.m.
Series	Execution	Material Raw Stainless steel	
150.HG-TB	7L (Left)	.30	0,7
	7R (Right)	.30	
	20L (Left)	.30	2
	20R (Right)	.30	
	30L (Left)	.30	3
	30R (Right)	.30	

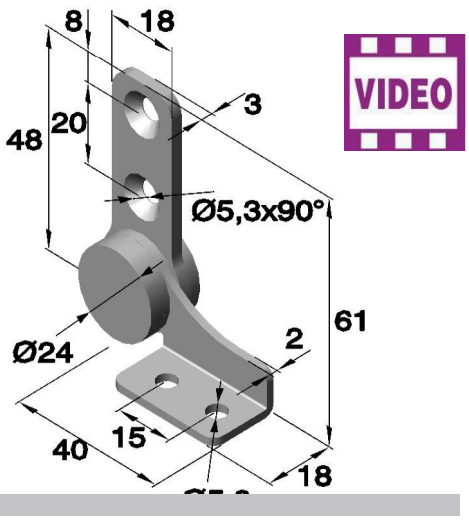


Art. no.: 150.HG-TB (perforated and countersunk)

with constant torque.

The declared torque could boast tolerances.

Article no.			Torque in N.m.
Series	Execution	Material Raw Stainless steel	
150.HG-TB	45L (Left)	.30	4,5
	45R (Right)	.30	



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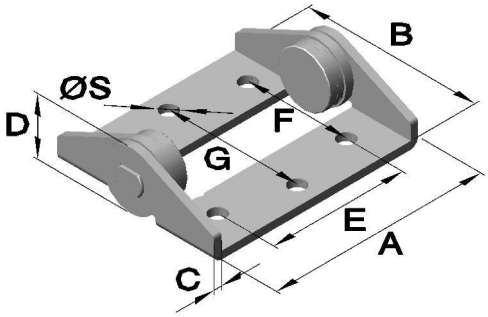
Torque hinges

Art. no.: 150.HG-IT (perforated)

with constant torque.

Operation temperature: -10°C ~ 50°C
Opening angle: ca. 190°

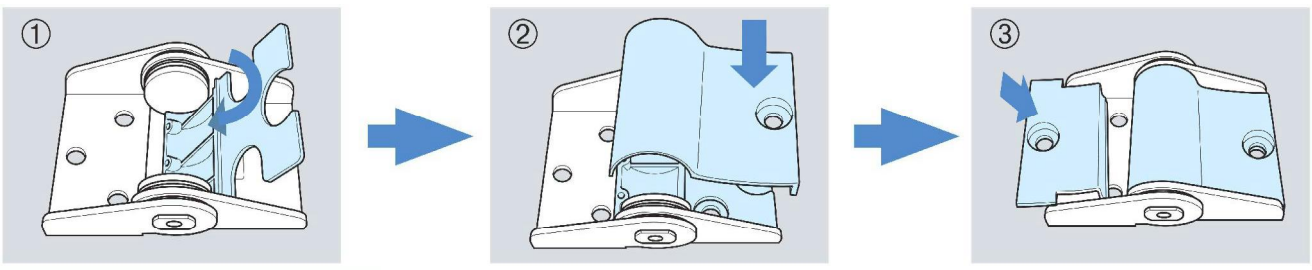


The declared torque could boast tolerances.

Article no.				dimension in mm							
Series	Execution	Material Raw / Stainless steel	Torque in N.m.	A	B	C	D	E	F	G	ØS
150.HG-IT	S25	.30	2,5	54	44	2	15,5	34	26	34	4,3
	S35	.30	3,5								
	SF	.30	Free running								
	M50	.30	5,0	54	80	2	25	34,8	36	66	5,3
	M70	.30	7,0								
	MF	.30	Free running								

Cover for Art.no.: 150.HG-IT

Article no.		Material
Serie	Execution	Silver
150.HG-IT	SC	ABS
150.HG-IT	MC	ABS



1. Insert the cover A under the hinge shaft.

2. Put the cover B on the cover A.

3. Put the cover C.

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Torque hinges

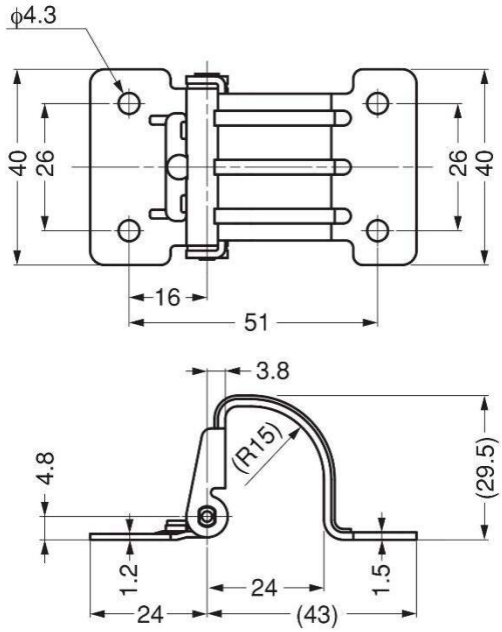
Art.no. 6493 (perforated)

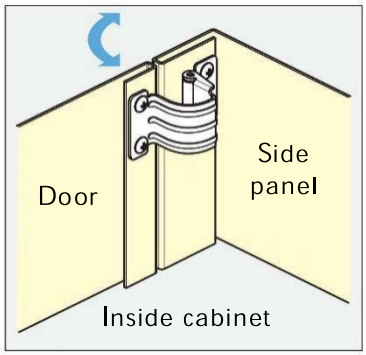
Hinge for invisible fence with constant torque.

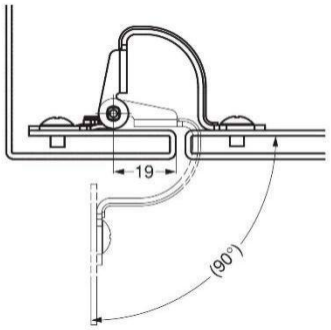
Only for indoor applications.
Can be used horizontally or vertically.

The declared torque could boast tolerances.

Article no			
Series	Execution	Material Raw Stainless steel	Torque in N.m.
6493	.01	.33	0,7







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Torque hinges

Art. Nr.: 150.HG-TUWA (perforated)

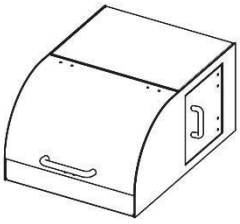
Concealed hinge
with fence and constant torque.

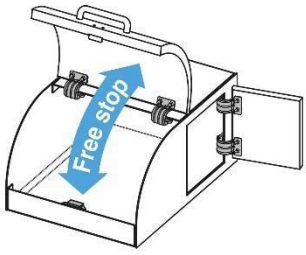
Opening angle (130°).

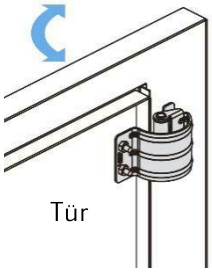
Can be used horizontally or vertically.

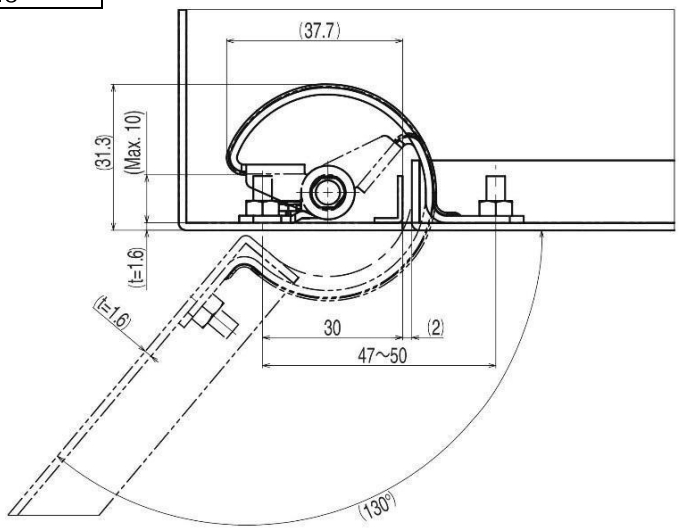
Article no			Torque in Nm
Series	Execution	Material Polished Stainless steel	
150.HG-TUWA	07	.33	0.7
150.HG-TUWA	15	.33	1.5

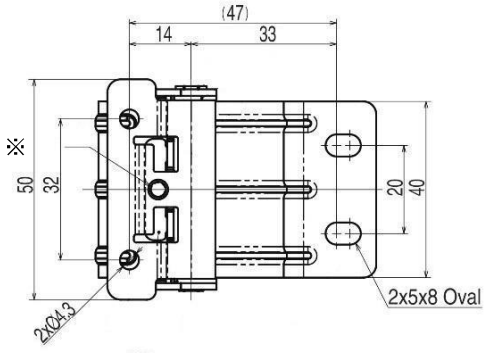
Anwendungsbeispiel

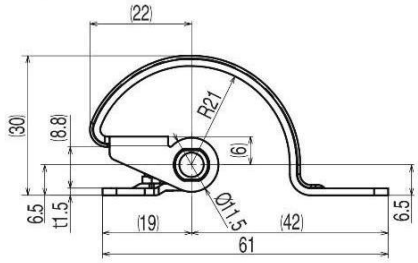












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Torque hinges

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art.no.: 150.HG-T30.S15 (perforated)

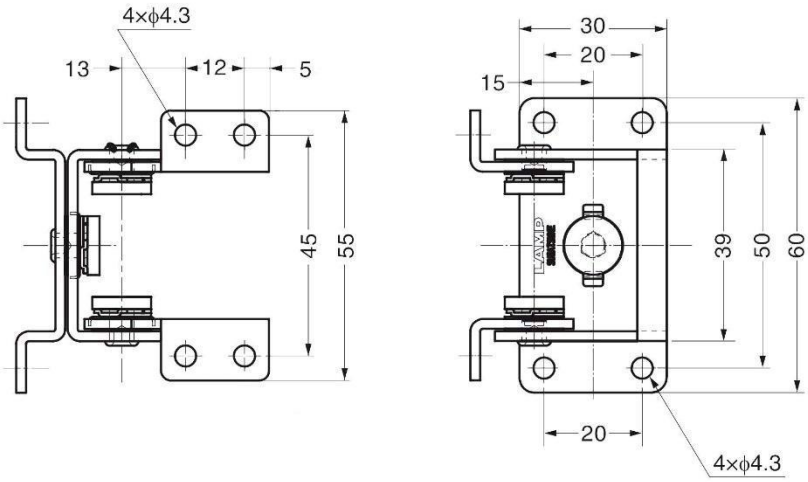
VIDEO

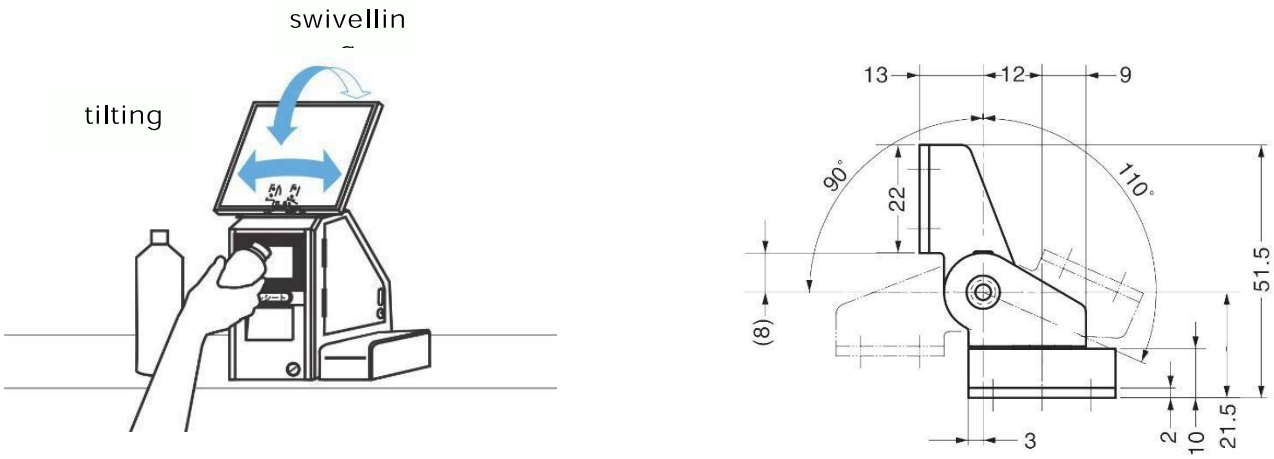
Dual axis torque hinge
Operating temperature: 0°C ~ 40°C

Provides torque stability in both directions.

Suitable for monitor screens.

Article no.			
Series	Material Polished	Torque N/m	
	Stainless steel	tilting	swivelling
150.HG-T30.S15	.30	3	1,5





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Torque hinges

Art.no.: 150.HG-T70.S30 (perforated and countersunk)

VIDEO

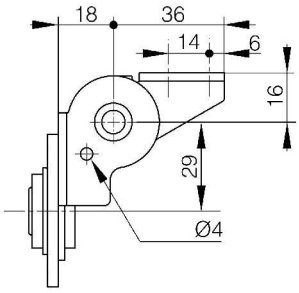
Dual axis torque hinge
Operating temperature: 0°C ~ 40°C

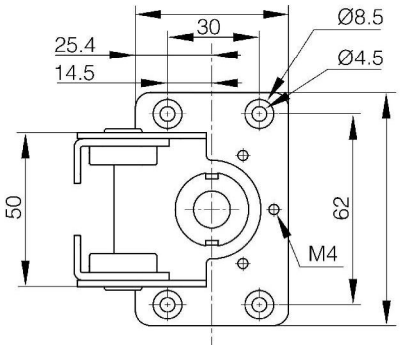
Provides torque stability in both directions.

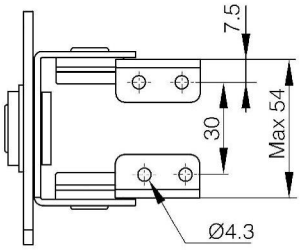
Tilting: ±30°, ±90°
Swivelling: 0° ~ 120°

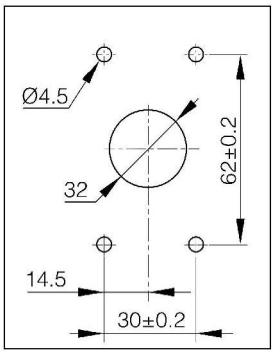
Suitable for monitor screens.

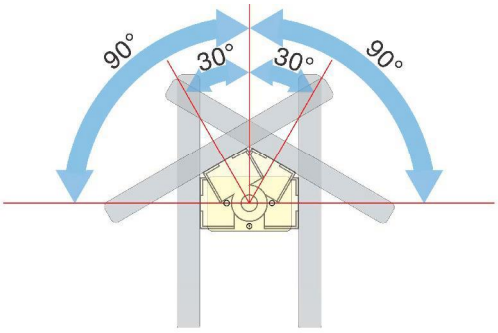
Article no.			
Series	Material Polished	Torque N/m	
	Stainless steel	tilting	swivelling
150.HG-T70.S30	.30	7	3



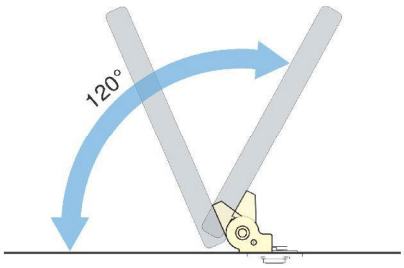








tilt



swivel

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Torque hinges

Art. no.: 150. KA-T100S50

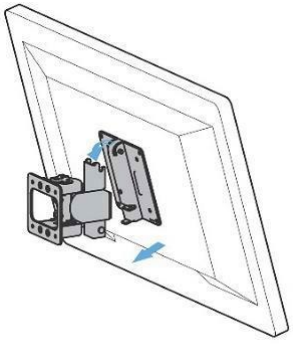
Monitor bracket with torque and auxiliary lock

Swivelling 180 °, Tilting 40 °.
Applicable monitor size: 12 ~ 22,9 Zoll (up to about 10,0 kg)

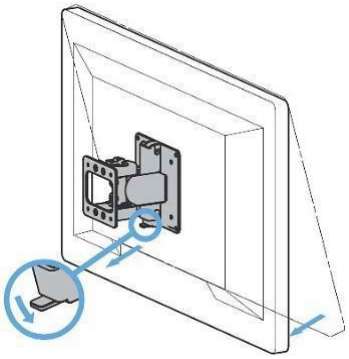
Can be quickly installed and removed.

Lock tempoarliy releases if a heavy load is applied when locked.

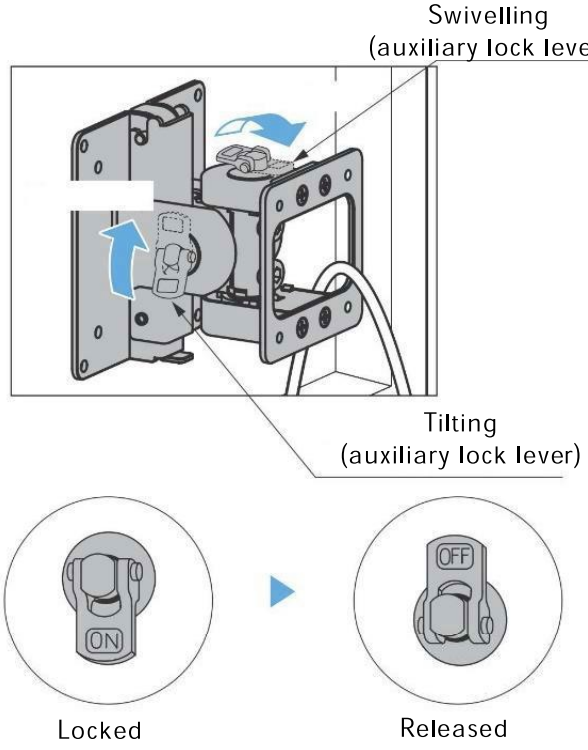
Do not forcibly move the monitor after applying the auxiliary lock!
After installing the monitor, make sure that the release lever is locked.
Do not operate continuously.

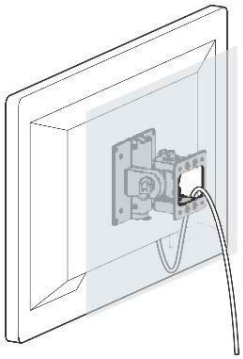


The monitor be installed with one touch.



Push down the release lever and lift the monitor, then the monitor can be removed.





Wire holes allows you to put power cable and monitor cable out oft he mounting surface.

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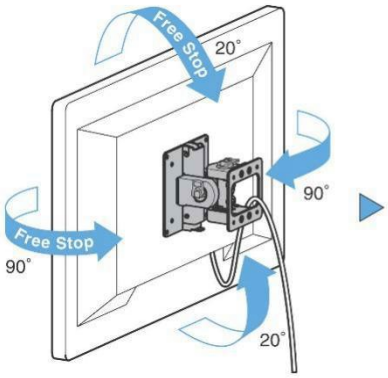
Torque hinges

Art. no.: 150. KA-T100S50

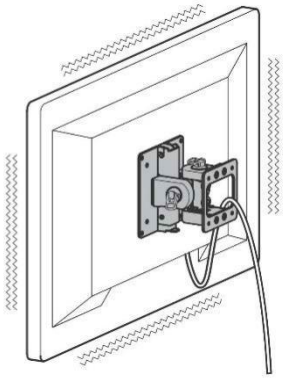
Monitor bracket with torque and auxiliary lock

Released



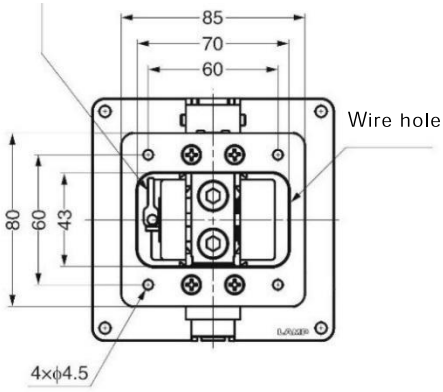
Can hold at any angle within ±20° in tilting and ±90° in swivelling.

Locked

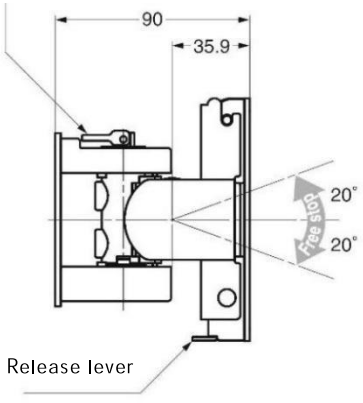


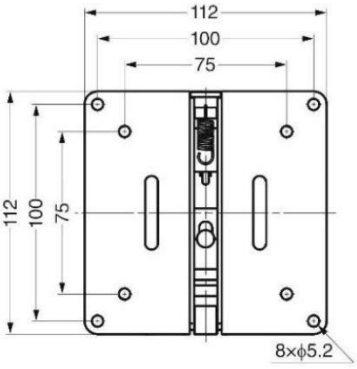
Keeps the monitor in position even while subject.

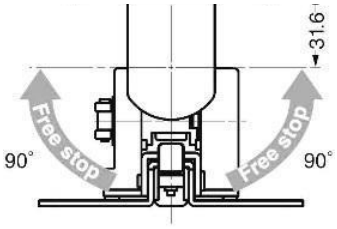
Tilting
Auxiliary lock lever
(released)



Swivelling
Auxiliary lock lever
(released)







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Torque hinges

Art. no.: 150.KA-150

on request

Monitor bracket with constant torque.
Including hex key (for fixing the mounting base)

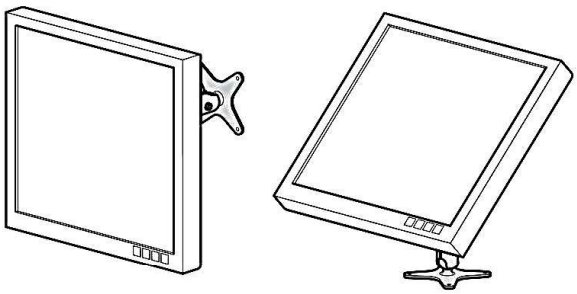
Monitor mount is used for moving
and adjusting monitor position.

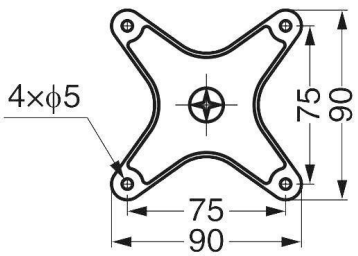
Durability varies depending on operating enviroment and frequency.

Total length can be changed by adjusting the pole length.
Ball-shaped holding part allows adjusting to any angle
(loosen the srew and adjust).

Do not apply load on display when using!

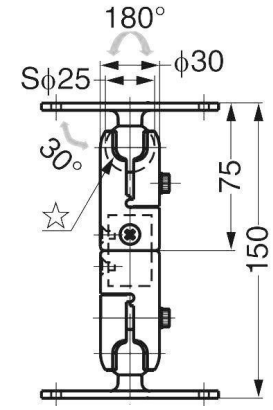
Other length on request.

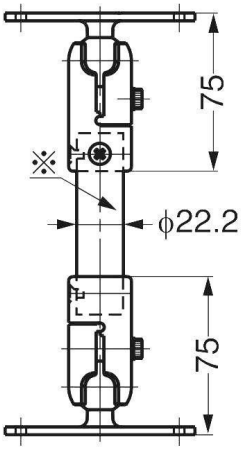




Mounting

(Direction of notch ☆)





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Torque hinges

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art. no.: 150. TV

Fixed type:
150.TV-400SK

Adjustable type:
150.TV-410SK

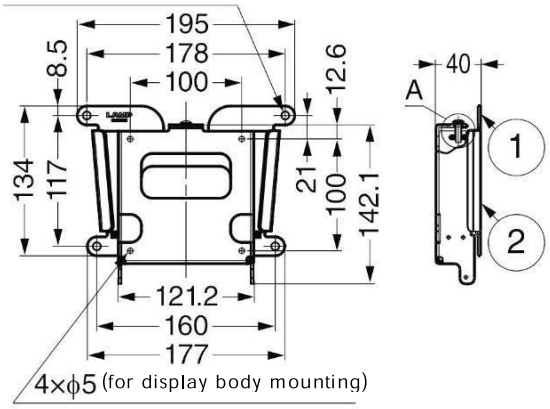
Monitor bracket „for wall mounting"

Used to fix a small display on the wall
(max. 8 kg)

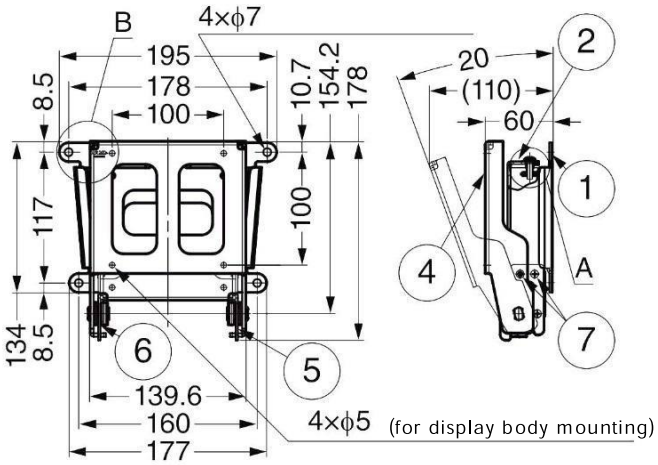
Adjustable type (150.TV-410SK)
can adjust the angle of the display about 20 °
from the vertical state to the front.

Durability varies depending on operating enviroment
and frequency.

Do not apply load on dirsplay when using!

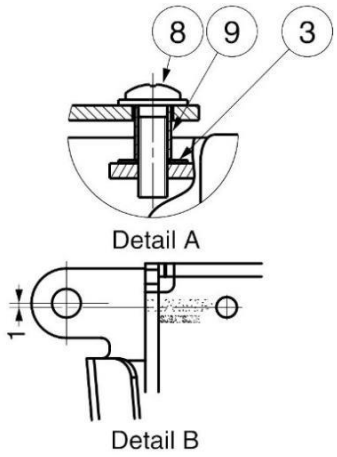


150.TV-400SK



150.TV-410SK

1	Bracket
2	Fixed plate
3	Fall- preventing washer
4	Adjustable plate
5	Hinge R
6	Hinge L
7	Countersunk head machine srew
8	Washer faced pan head srew
9	Socket



Installation (adjustable type)

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Torque hinges

Art. no.: 150.HG-TQJ100 (perforated)

Adjustable one way torque hinge.

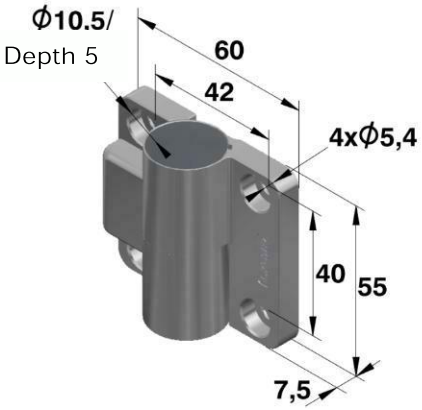
Operating temperature: 0 ~ 40 ° C
Opening angle ca. (248°).

Allows for frictionless handling of the door in the opposite direction.

Use a hex key (nominal size 5) for torque adjustment.

Use all mounting holes.

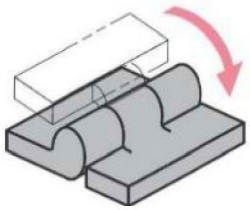
Do not remove the torque adjustment screw!



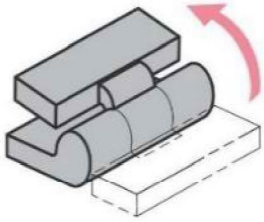
Article no.			Torque in Nm
Series	Execution	Material Zamak Satin chrome	
150.HG-TQJ100	-A	.53	0~10
150.HG-TQJ100	-B	.53	

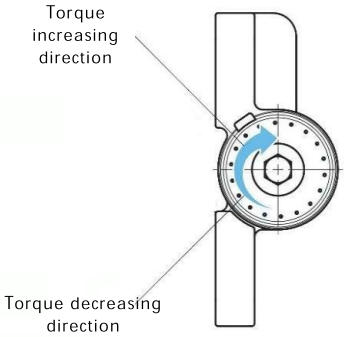
Torque working direction

Opening
150.HG-TQJ100-A



Closing
150.HG-TQJ100-B





Application example

Since torque is adjustable from 0 to 10Nm, applicable to various doors.

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Torque hinges

Art. no.: 150.HG-ITJ4080 (perforated)

VIDEO

with adjustable torque

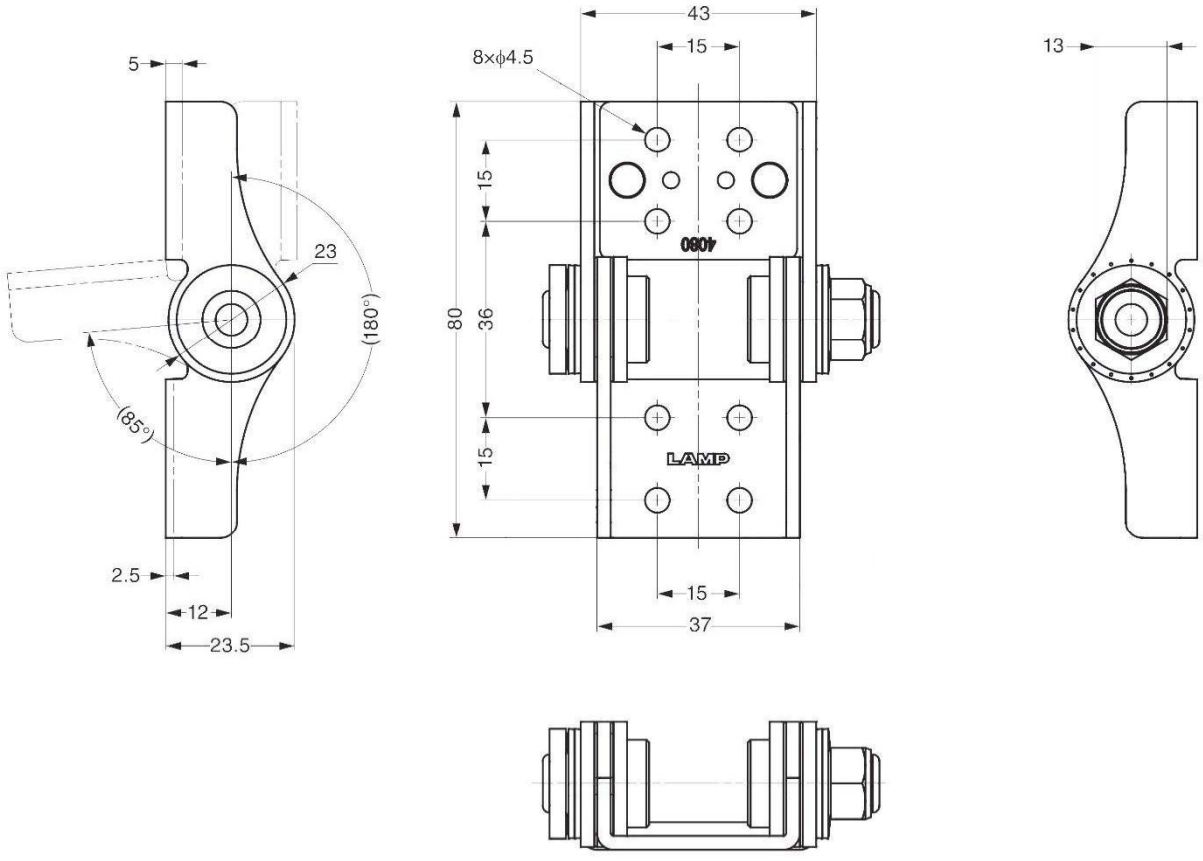
Operating temperature: 0 ~ 40 ° C
Opening angle: (265°).

To prevent accidental fall of door or lid, minimum torque. is set at 4Nm.

Use a spanner (nominal size 13) for torque adjustment.

Do not forcibly remove the torque adjustment nut!

Article no.		Torque in Nm
Series	Material	
	Barrel polished	
150.HG-ITJ4080	Stainless steel	4~8
	.30	



Torque hinges

Art. no.: 150.HG-ITHP (perforated)

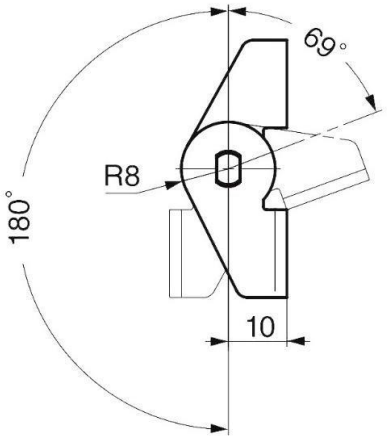
with constant torque

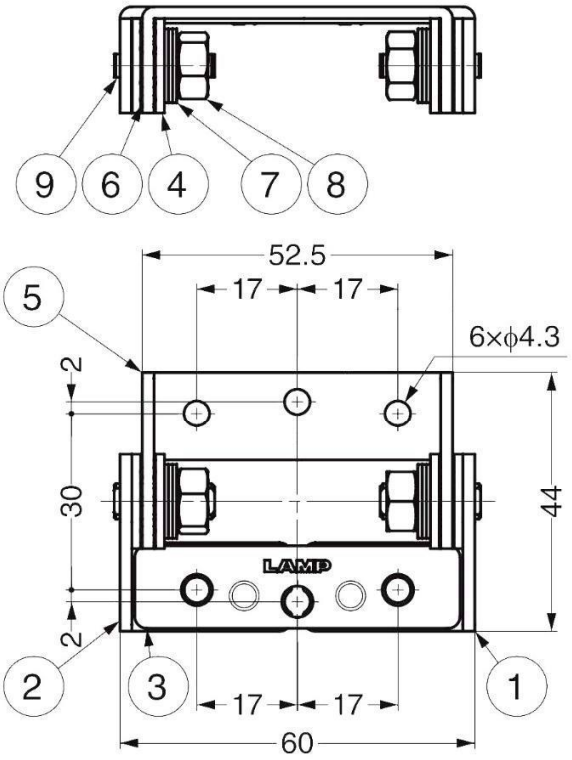
Operating temperature: 0 ~ 100 ° C
Opening angle: ca. (269°).

Suitable for use in heat-generating enviroment.

Torque may decrease during and after heating.

Article no.			Torque in Nm
Series	Execution	Material Barrel polished Stainless steel	
150.HG-ITHP	07	.30	0.7
150.HG-ITHP	15	.30	1.5
150.HG-ITHP	30	.30	3.0





1	Base L
2	Base R
3	Connecting bracket
4	Thrust plate
5	Movable plate
6	Ball
7	Spring washer
8	Hexagon nut
9	Shaft

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Torque hinges

Art. no.: 150.HG-TLS30-50-300 (perforated)

Piano hinge with constant torque.

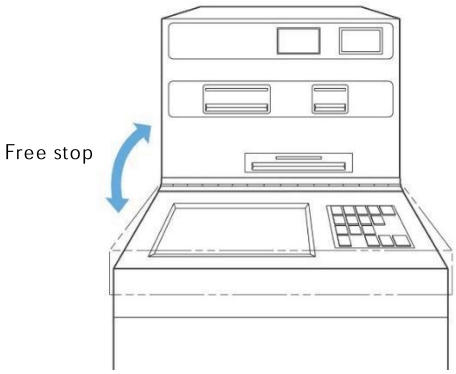
Opening angle ca. (295°).

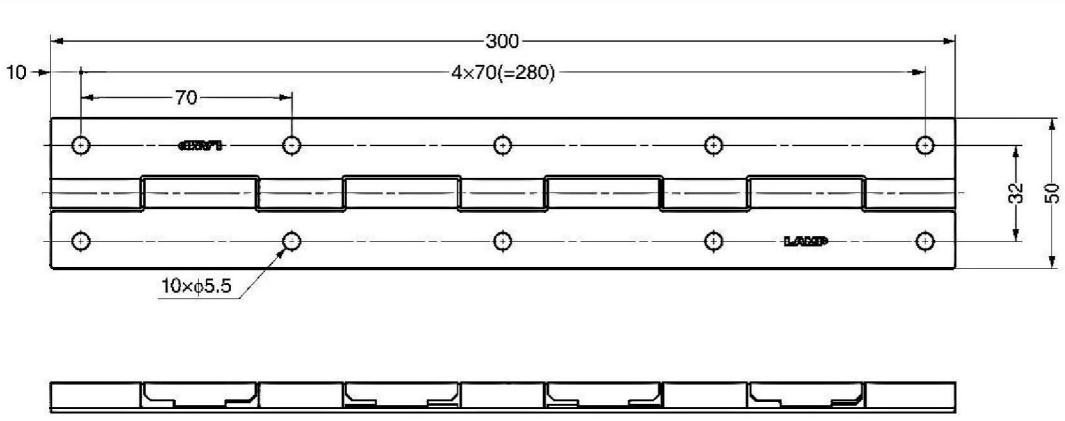
Can not be used by cutting the length!

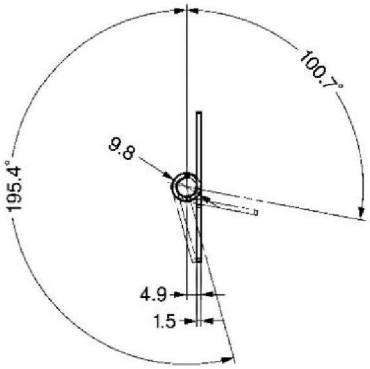
Other length on request.

Article no.		
Series	Material unbehandelt Stainless steel	Torque in Nm
150.HG-TLS30-50-300	.30	3

Application example







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Torque hinges

Art. no.: 150.HG-DTB (perforated and countersunk)

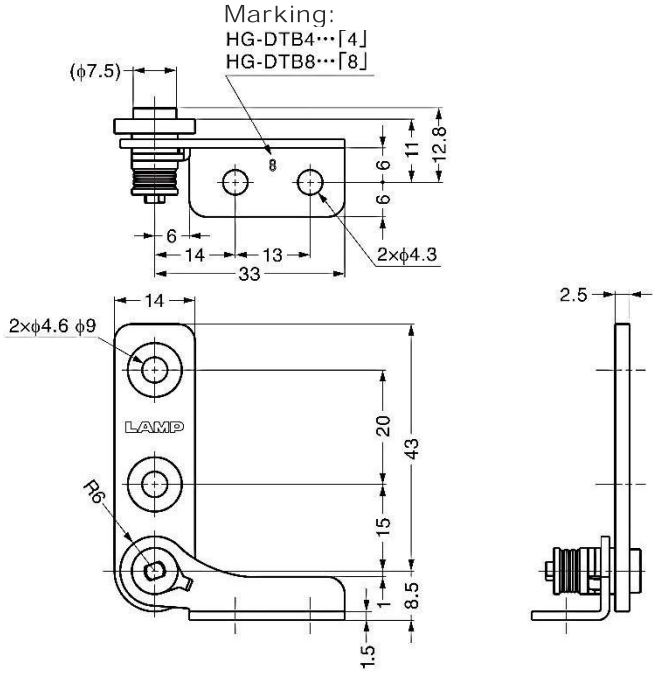
VIDEO

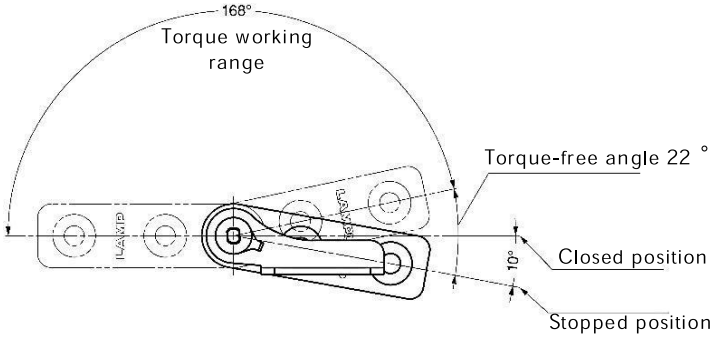
Operating temperature: 0 ~ 40 ° C
Opening angle ca. (168°).

For pair using: Please use the same torque in both hinges.

Article no.			Torque in Nm	Detent moment※ in Nm
Series	Execution	Material Polished Stainless steel		
150.HG-DTB	4-R (Right)	.33	0.4	0.7
150.HG-DTB	4-L (Left)	.33		
150.HG-DTB	8-R (Right)	.33	0.8	1.5
150.HG-DTB	8-L (Left)	.33		

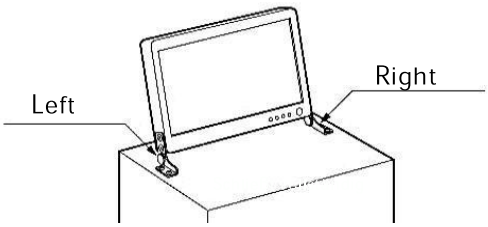
※ Torque required to release detent.



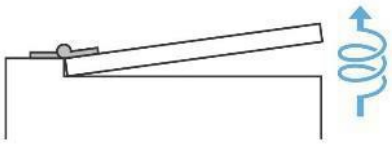


Left handed type shown. Right-handed type is symmetrical.

Application example



Detent function prevents spring-back in closed position.



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Torque hinges

Art. no.: 150.HG-TASJ40 (perforated)

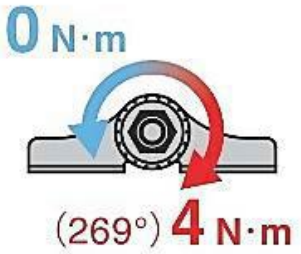
with adjustable Torque

Operating temperature: 0 ~ 40 ° C
Opening angle ca. (269°).

Use a spanner (nominal size 13) for torque adjustment.

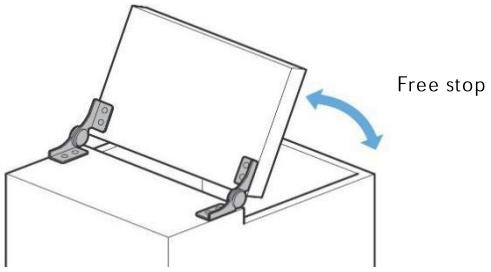
The factory setting of torque is 4,0 Nm

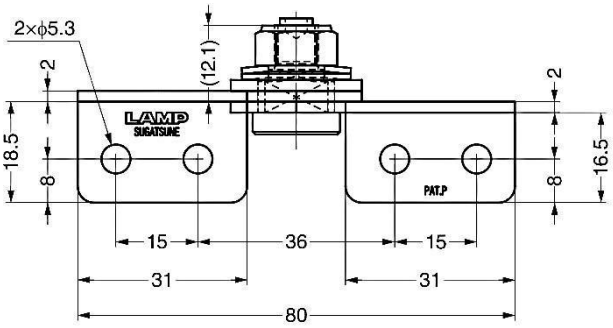
Do not forcibly remove the torque adjustment nut!

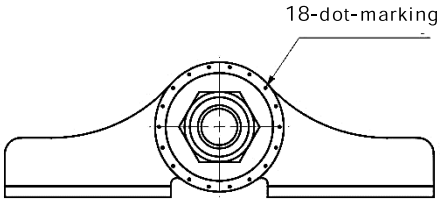


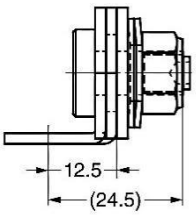
Article no.			Torque in Nm
Series	Execution	Material Polished Stainless steel	
150.HG-TASJ40	R (Right)	.33	0~4.0
150.HG-TASJ40	L (Left)	.33	

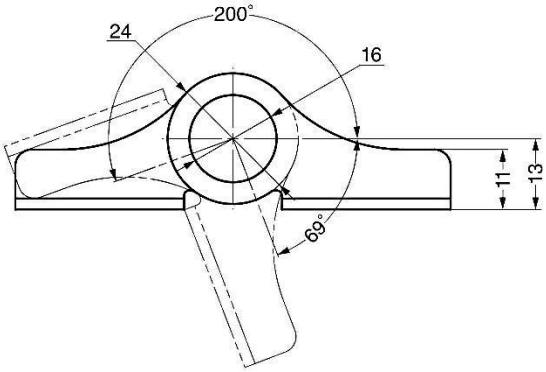
Application example











Left-handed type shown.

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Torque hinges

Art. no.: 150. HG-TBSJ40 (perforated and countersunk)

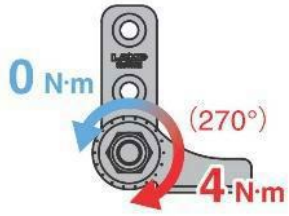
with adjustable Torque

Operating temperature: 0 ~ 40 ° C
Opening angle ca. (270°).

Use a spanner for torque adjustment (nominal size 13).

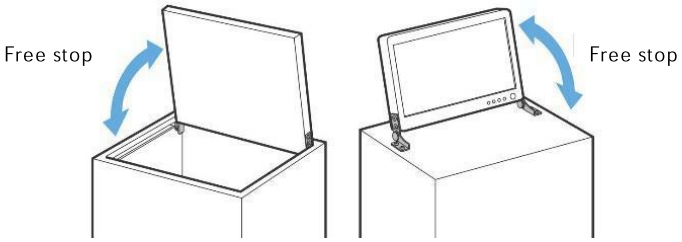
Do not forcibly remove the torque adjustment nut!

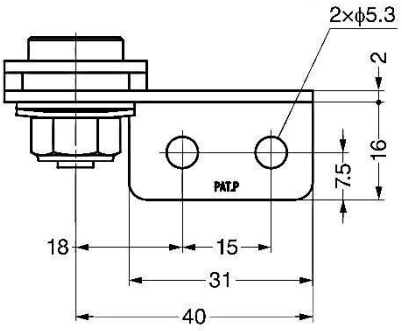
The factory setting of torque is 4,0 Nm.

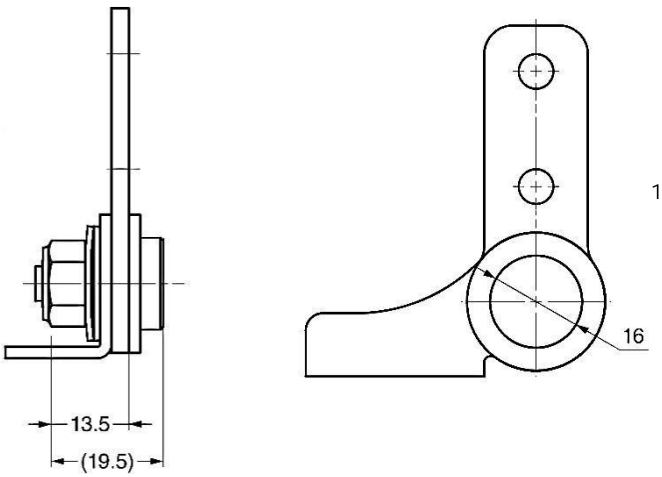


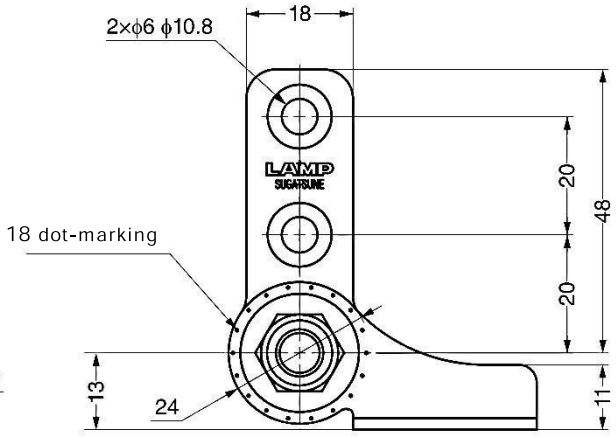
Article no.			Torque in Nm
Series	Execution	Material Polished Stainless steel	
150.HG-TBSJ40	R (Right)	.33	0~4.0
150.HG-TBSJ40	L (Left)	.33	

Application example









Left-handed type shown. Right-handed type is symmetrical

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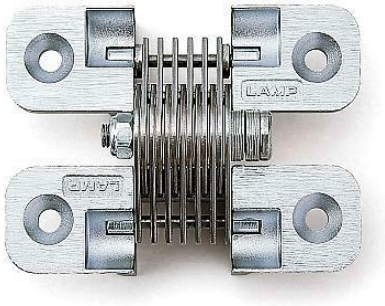
Torque hinges

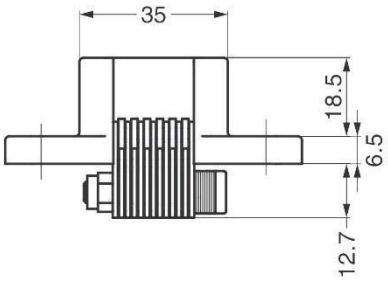
Art. no.: 150.HG-RT (perforated and countersunk)

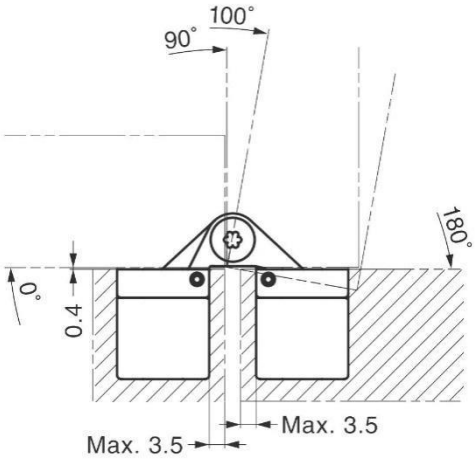
Opening angle (0 ° ~ 100 °)
Operating temperature: 0 ~ 40 ° C

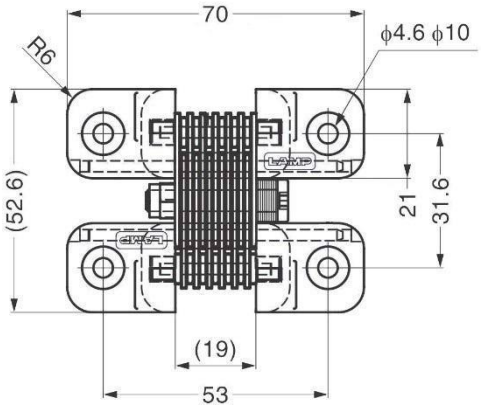
Torque decreases as the opening angle increases, making easier to open the lid.

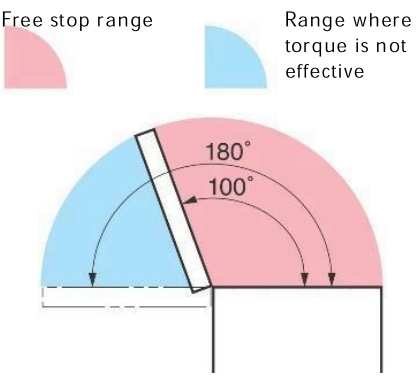


Article no.			Torque in Nm/Pair (closed position)
Series	Execution	Material Chromed Zamak	
150.HG-RT	30	.53	3
150.HG-RT	50	.53	5









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Torque hinges

Art. no.: 150. HG-KNT (perforated)

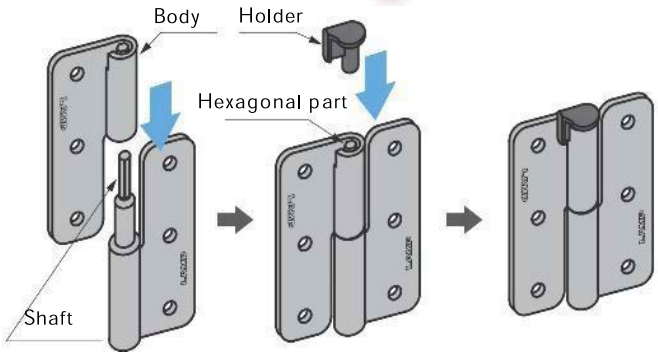
VIDEO

with constant Torque Lift-Off Typ.

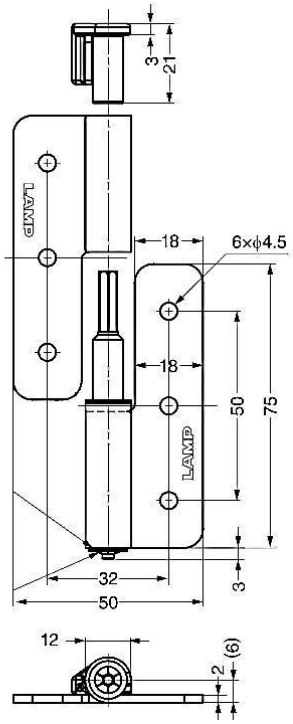
Can be used vertically and horizontally.

When using the hinges horizontally, set the holders opposite each other to prevent them being inserted or removed.

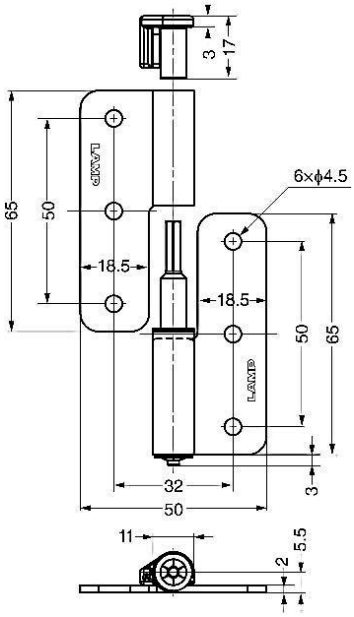
Article no.			Torque in Nm
Series	Execution	Material Polished Stainless steel	
150.HG-KNT	3L (Left)	.33	0.3
150.HG-KNT	3R (Right)	.33	
150.HG-KNT	7L (Left)	.33	0.7
150.HG-KNT	7R (Right)	.33	
150.HG-KNT	16L (Left)	.33	1.6
150.HG-KNT	16R(Right)	.33	



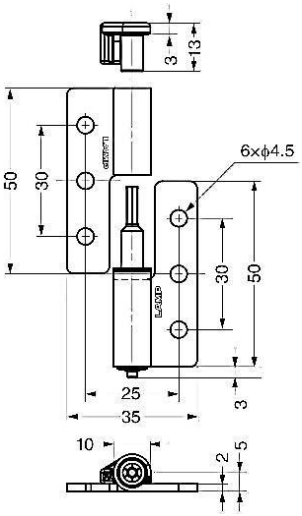
Install the body into shaft and then insert the holder into the hexagonal part of shaft to generate torque. To detach, use a tool to push the holder out.



150.HG-KNT16L



150.HG-KNT7L



150.HG-KNT3L

Left-handed type shown. Right-handed type is symmetrical.

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Torque hinges

Art. no.: 150.HG-TMH (perforated and countersunk)

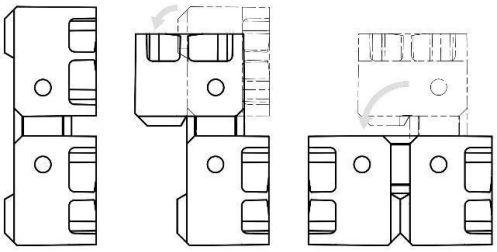
VIDEO

Dual axis torque hinge

Swivels: 180°.
Suitable for folding table of shop and train.

Article no.					Torque in Nm	
Series	Execution	Material				
		Zamak			Axis A	Axis B
		Chromed	Satin Nickel	Black		
150.HG-TMH	1530	.53	-SN.51	-BL.57	1.5	3.0
	2030	.53	-SN.51	-BL.57	2.0	

Hinge motions



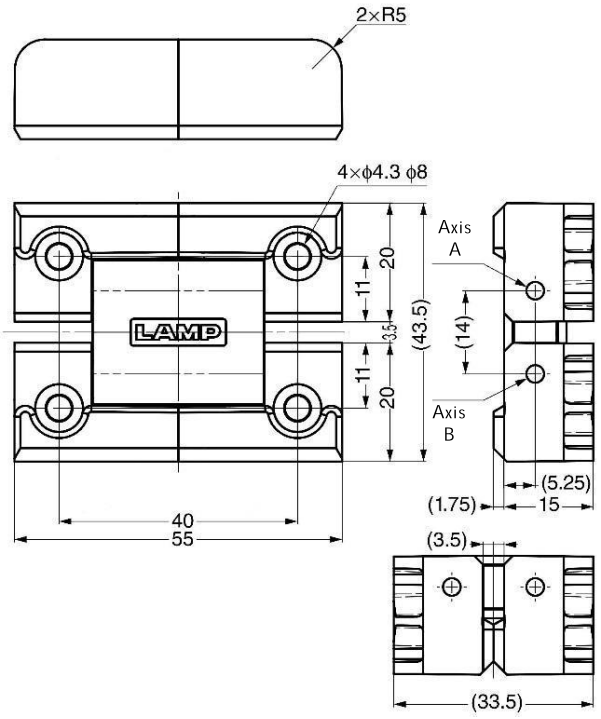
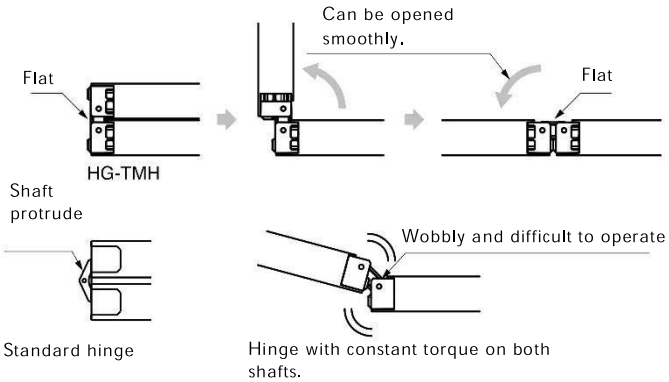
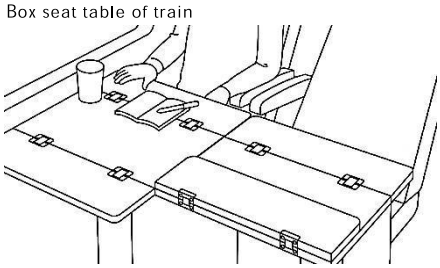


Table movement

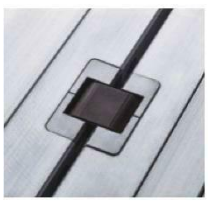


Application example

Box seat table of train

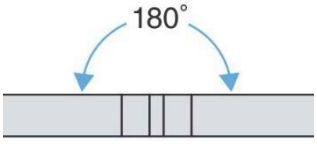


When fully opened



Flat and shafts do not protrude.

No projection from the top surface oft he door when fully opened. The of door is maintained as the mounting screws are not visible.



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Torque hinges

Art. no.: 150.HG-JHW16S (perforated and countersunk)

with constant torque

Opening angle ca. (180°)
Operating temperature: 0 ~ 40 ° C

With built-in damper.
Covers various torque ranges by using „with damper".
and „without damper" as a pair.

Install a stopper such as a stay at the lid opening/ closing.
position (0~ 120 degree) for not exceeding the specified
swivelling range.

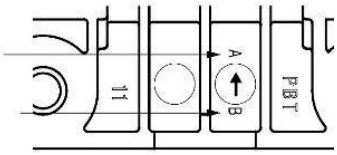
Do not disassemble or modify the product!

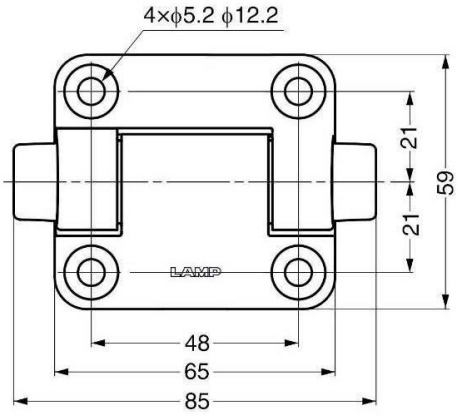
Article no.				
Series	Execution		Material Dark grey	Torque in Nm
	Closing	Opening	PBT	
150.HG-JHW16S	-34	-34G	.85	2.0~3.4
150.HG-JHW16S	-50	-50G	.85	3.4~5.0
150.HG-JHW16S	-00 without damper		.85	–

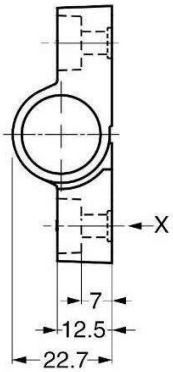
150.HG-JHW16S

150.HG-JHW16SG

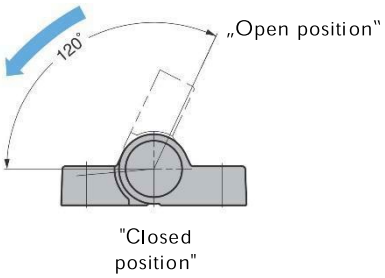
Bottom view



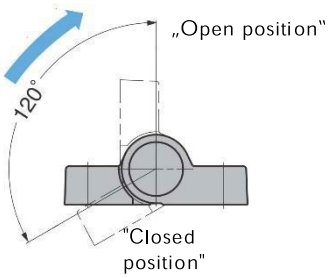




Damper working direction



150.HG-JHW16S



150.HG-JHW16SG

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Torque hinges

Art. no.: 150.HG-JHW, HG-JHWG (perforated and countersunk)

with constant torque

Opening angle ca. (115°)

Hinge with built-in dampers.

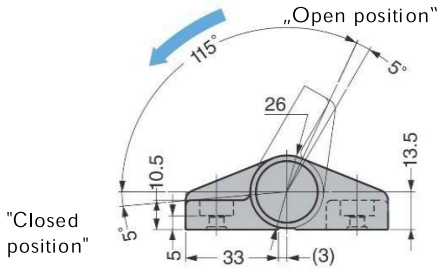
Install a stopper such as a stay at the lid opening7 closing position (0 ~ 115 degree) for not exceeding the specified swivelling range.

150.HG-JHW

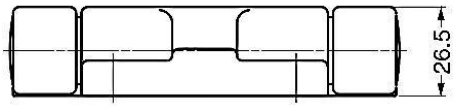
150.HG-JHWG

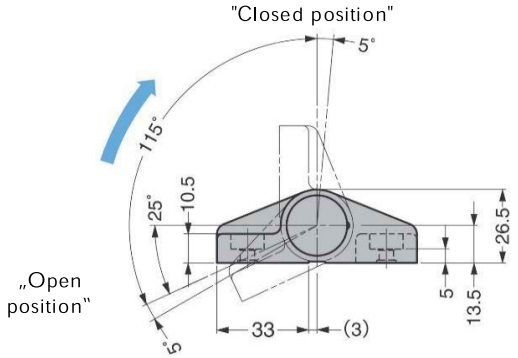
Article no.				Torque in Nm/Pair
Series	Execution		Material Dark grey	
	Closing	Opening	PBT	
150.HG-JHW	50	50G	.85	3~5
150.HG-JHW	70	70G	.85	5~7

Damper working direction

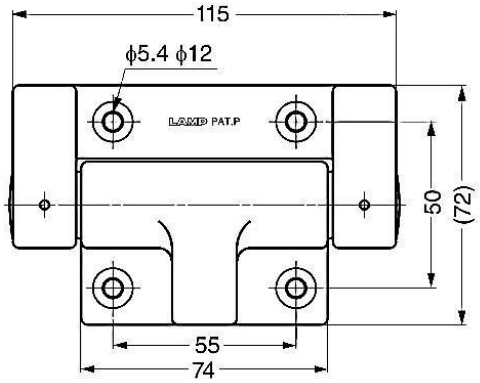


150.HG-JHW





150.HG-JHWG



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Torque hinges

Art. no.: 6879 (perforated)

with constant torque

Opening angle ca. (115°)

Hinge with built-in dampers.
Smooth movement in the opening direction.

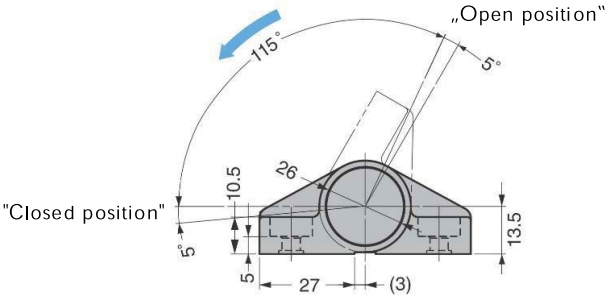
Install a stopper such as a stay at the lid opening/ closing position (0 ~ 115 degree) for not exceeding the specified rotation range.

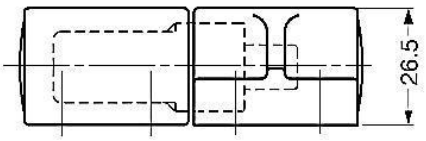
Sold in pairs.
Also be found in chapter: „Weld on hinges".

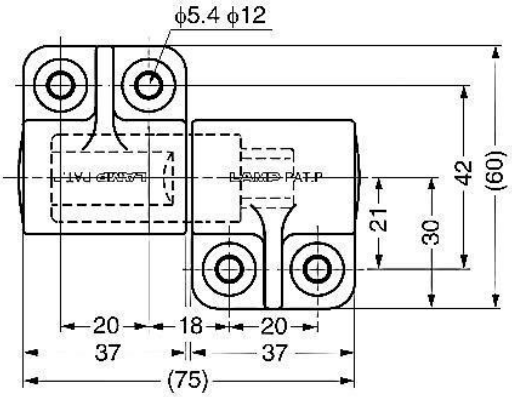
The damper works when rotating counterclockwise.

Article no.			Torque in Nm/Paar
Series	Execution	Material Dark grey PBT	
6879	.01	.02	5~7
6879	.02	.85	3~5

Working working direction







Left-handed type shown.

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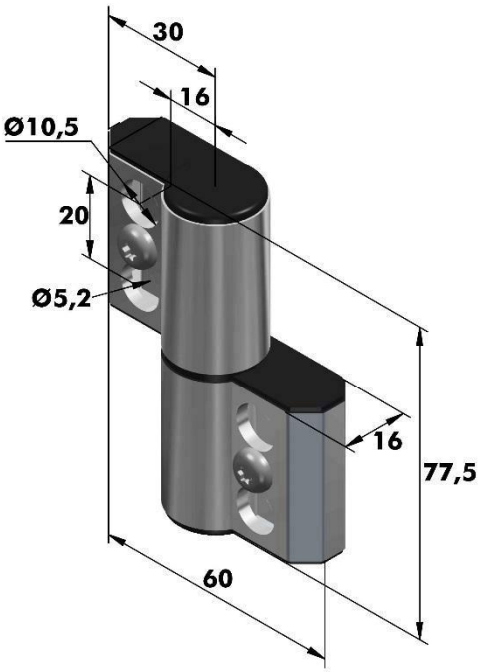
Torque hinges

Art.no: 6198

with constant torque
Friction in one direction only.

Operating temperature: 0°C~ 50°C
Torque will decrease at low temperature.

Not suited to vibration enviroment.



Sold in pairs.

Article no.			
Series	Execution	Material Anodized Aluminium	Torque in Nm/Pair
6198	.01	.70	9
6198	.02	.70	9

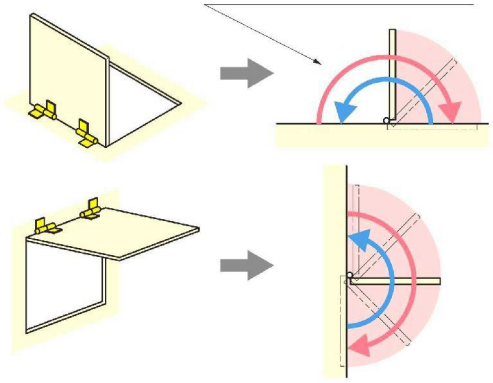
Shaft made of stainless steel; Covers made of „POM"

Torque and free stop range

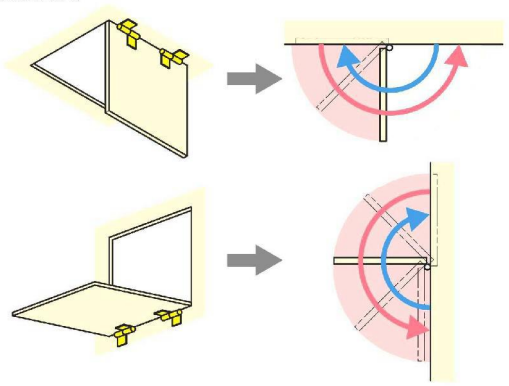
Free direction
Torque direction
Free stop range

6198.01.70

Range where torque is not effective, install stopper to hold the door.



6198.02.70



Torque hinges

Art. no.: 150.HG-JHM20 (perforated)

with constant torque

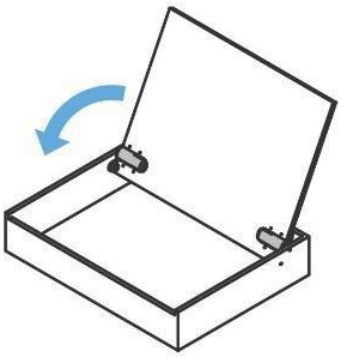
Mortise mount type.

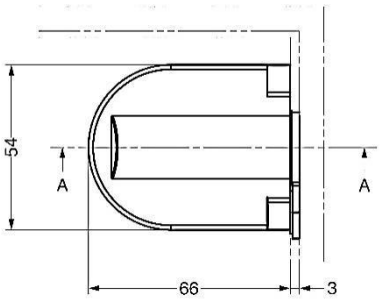
Hinge with built-in dampers.

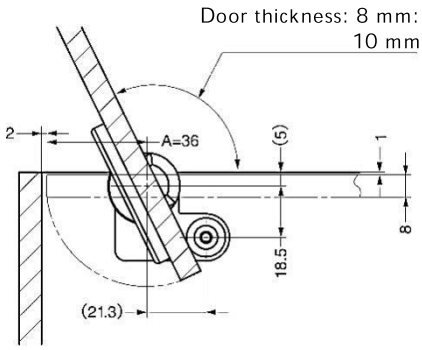
Smooth movement in opening direction.
Damper mechanism works when opening the lid about 60° or more.

Sold in pairs.
Minimun door thickness: 8mm

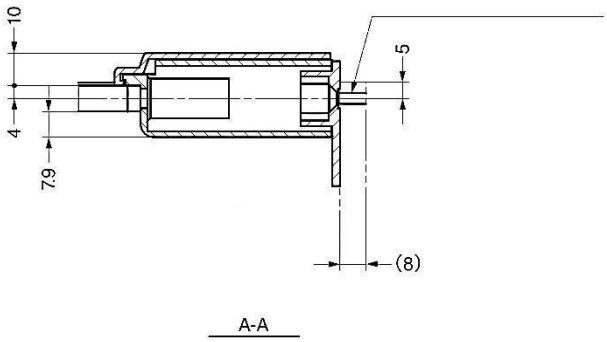
Article no.				Torque in Nm/Pair
Series	Execution	Material POM		
		Black	White	
150. HG-JHM20	-80	BL.87	WT.81	6~8

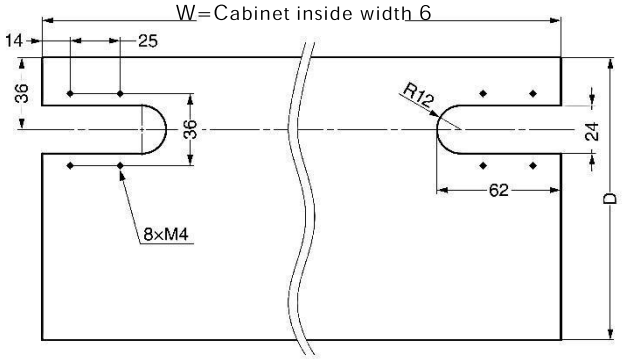






※ If the distance from the screw hole to he edge is 5mm, a level difference of 1mm is generated.





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Torque hinges

Art. no.: 150.HG-JHM14 (perforated)

Hinge with built-in damper

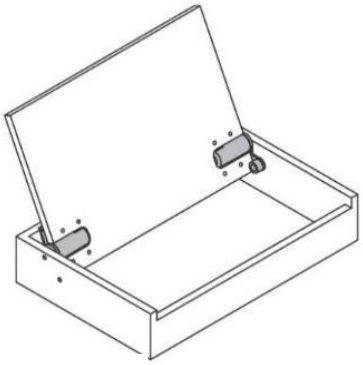
Operating temperature: 0 ~ 40 ° C
Opening angle (105°)

Minimum door thickness: 8mm

Damper mechanism works when opening the lid by about 60 °.

Sold in pairs.

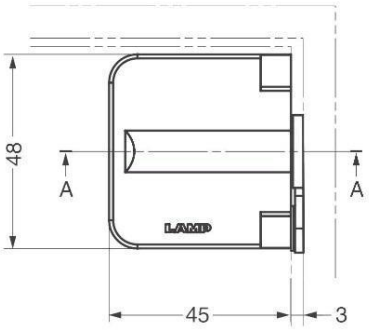
Article no.				Torque in Nm/Pair
Series	Execution	Material POM		
		Black	White	
150. HG-JHM14	-S-8	BL.87	WT.81	0.5~0.8
150. HG-JHM14	-S-15	BL.87	WT.81	0.8~1.5
150. HG-JHM14	-S-20	BL.87	WT.81	1.5~2

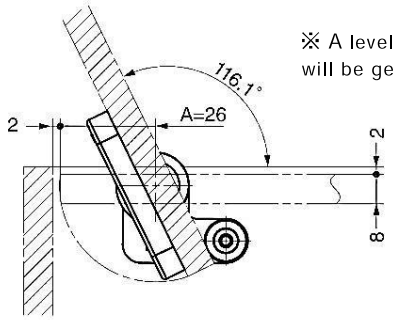


The installation example relates to a wooden cover.

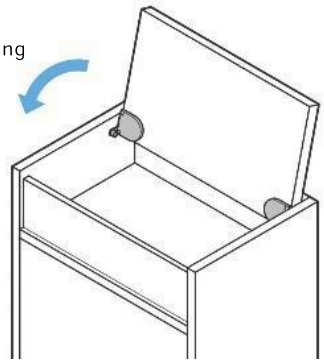
※ A level difference of 2mm will be generated.

W

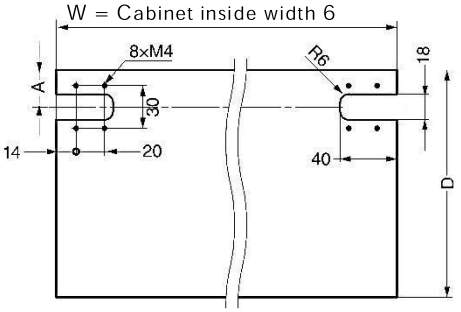




Damper working range



Cut out dimensions



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Torque hinges

Art. no.: 150.HG-JH14-50 (perforated and countersunk)

Soft-close hinge with damper and constant torque

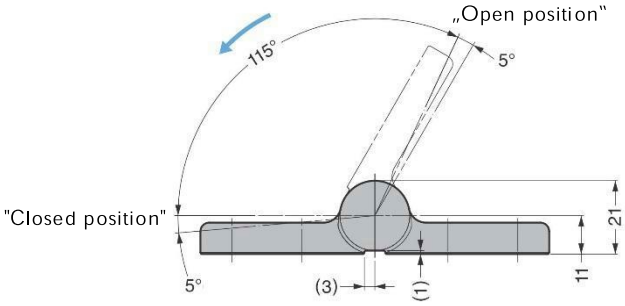
Install a stopper such as a stay at the lid opening/closing position (0 ~ 115 degree) for not exceeding specified rotation range.

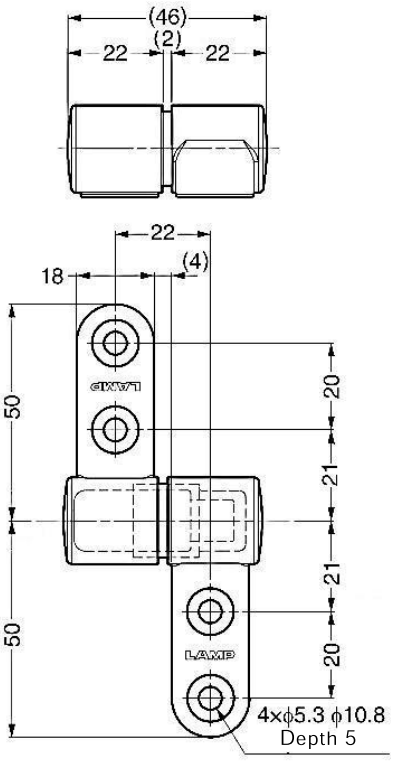
Sold in pairs.

Article no.		Torque in Nm/Pair
Series	Material Mirror polished Stainless steel	
150.HG-JH14-50	.33	3~5

Low torque type (1,6 bis 3,0 Nm) on request.

Damper working range





Left-handed type shown.

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Torque hinges

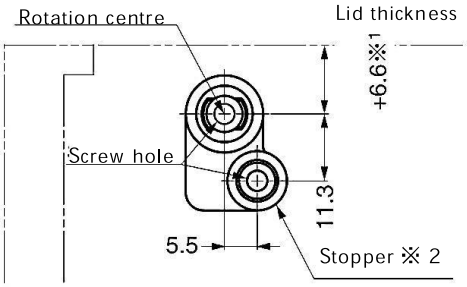
Art. no.: 150.HG-JHM9-S (perforated and countersunk)

Hinge with built-in damper
Under mount type

Operating temperature: 0 ~ 40 ° C

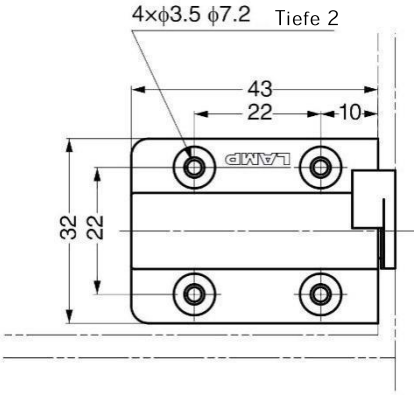
Sold in pairs.

Article no.			
Series	Material POM		Torque in Nm/Pair
	Black	White	
150. HG-JHM9-S	BL.87	WT.81	0.054~0.086
150. HG-JHM9-S4	BL.87	WT.81	0.027~0.043

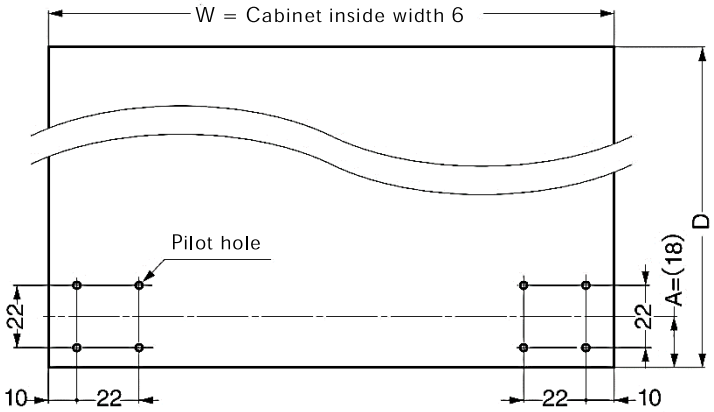


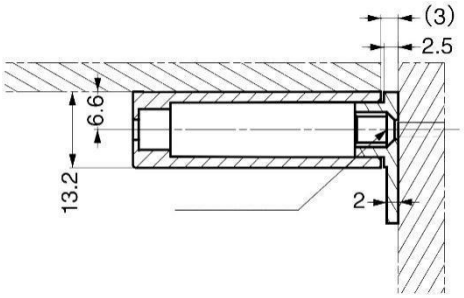
※ 1 Dimension when side board is flush with top surface of lid.

※ 2 To increase the opening angle of lid, rotate the stopper then fix it.



Cut out dimensions





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Torque hinges

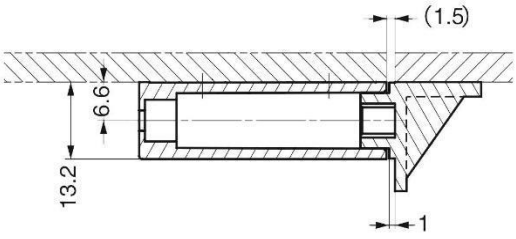
Art. no.: 150.HG-JHM9-U (perforated and countersunk)

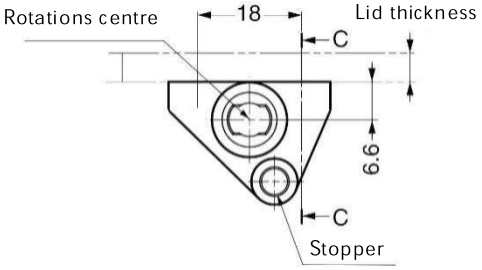
Hinge with built-in damper and constant torque.

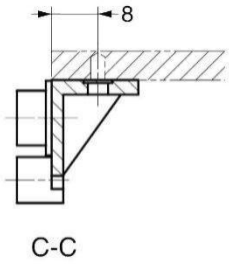
Operating temperature: 0 ~ 40 ° C
Opening angle (105°)

Sold in pairs.

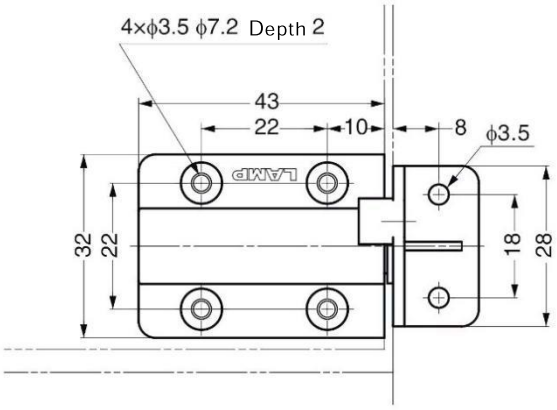
Article no.			
Series	Material POM		Torque in Nm/Pair
	Black	White	
150. HG-JHM9-U	BL.87	WT.81	0.054~0.086
150. HG-JHM9-H4	BL.87	WT.81	0.027~0.043

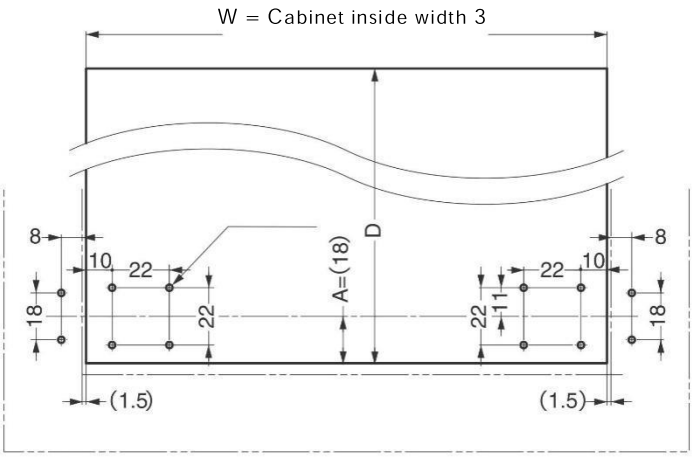






Cut out dimensions





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Torque hinges

Art. no.: 150.HG-JHS9-S (perforated and countersunk)

Small damper hinge with self-opening function
for top-opening lids.

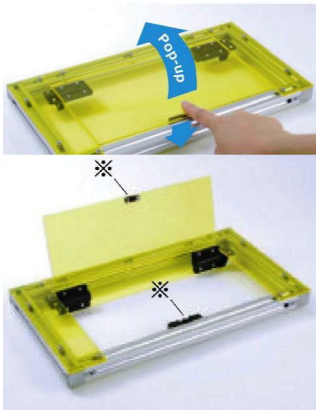
Operating temperature: 0 ~ 40 ° C
Opening angle (105°)

Opening speed is adjustable with a hex key.

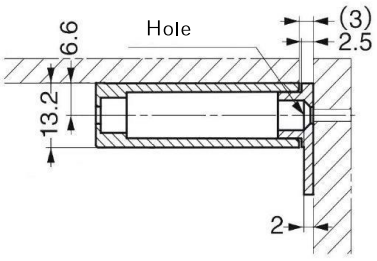
Pressure cap sold separately.

Sold in pairs.

Article no.			
Series	Material POM		Torque in Nm/Pair
	Black	White	
150. HG-JHS9-S	BL.87	WT.81	0.027~0.043

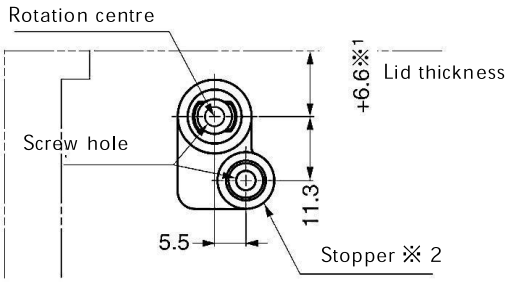


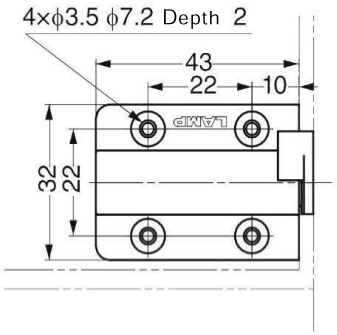
VIDEO

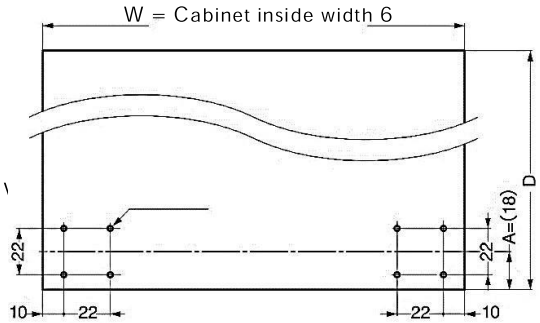


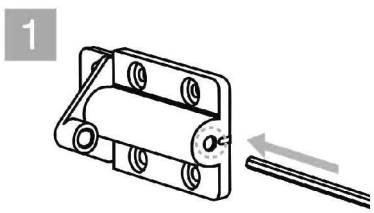
※ 1 Dimension when side board is flush with top surface of lid.

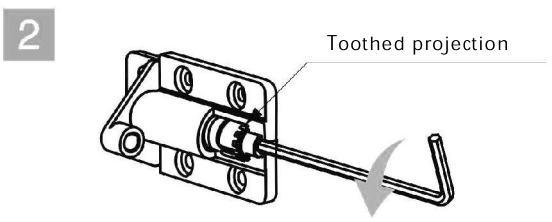
※ 2 To increase the opening angle of lid, rotate the stopper then fix it.

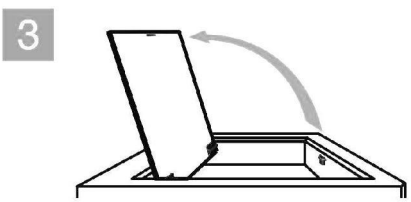












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Torque hinges

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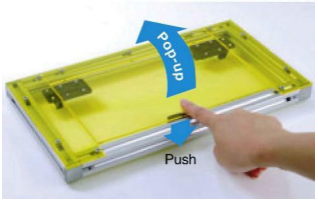
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art. no.: 150.HG-JHS9-U (perforated and countersunk)

Small damper hinge with self-opening function
for top-opening lids.

Operating temperature: 0 ~ 40 ° C
Opening angle (105°)

Opening speed is adjustable with a hex key.

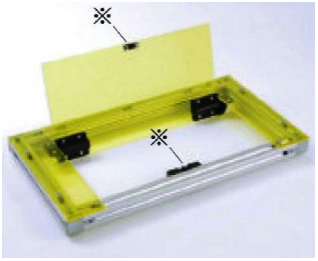


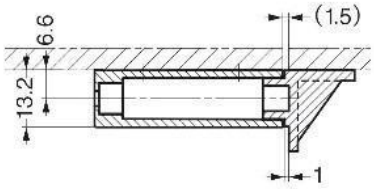
VIDEO

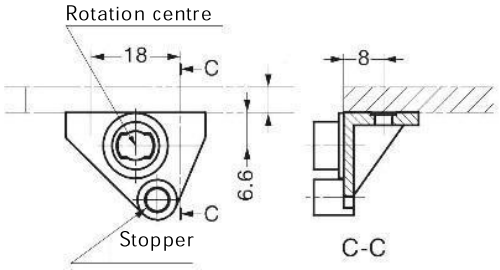
Pressure cap sold separately

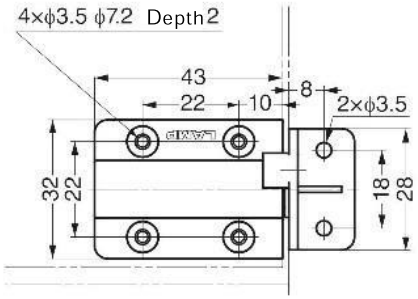
Sold in pairs.

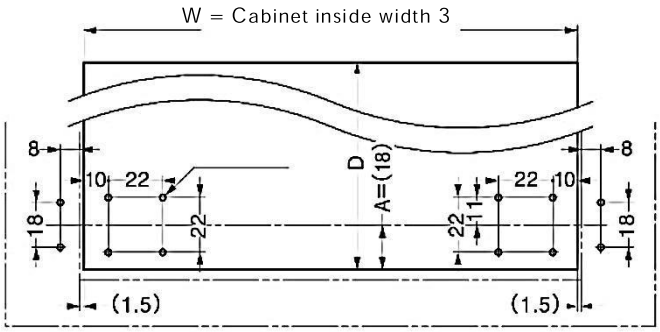
Article no.			
Series	Material POM		Torque in Nm/Pair
	Black	White	
150. HG-JHS9-U	BL.87	WT.81	0.027~0.043

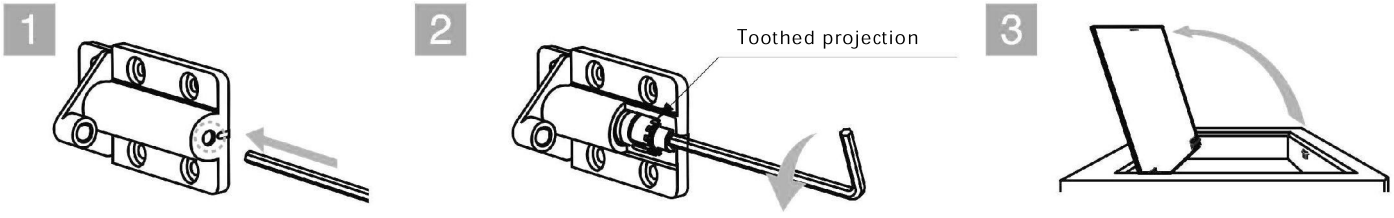












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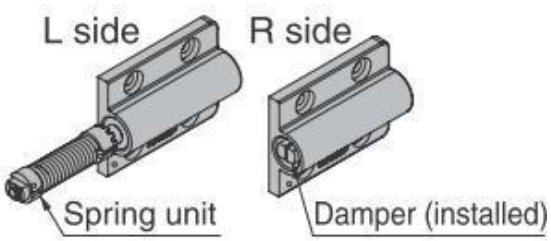
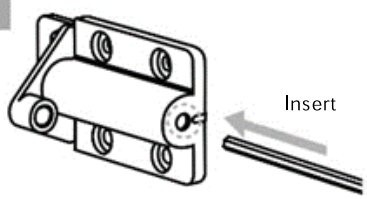
Torque hinges

Art. no.: 150.HG-JHS9 S
Art. no.: 150.HG-JHS9 U



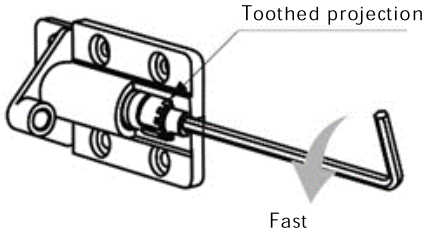
Additional information:
When increasing lid opening speed

1



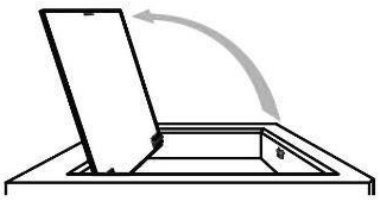
Insert a hex key (size 2,5) into the hole of spring unit (L Seite).

2



Push in the hex key until toothed projection disengaged, while rotating counterclockwise by 30° and then pull it out.

3



Close the lid and check if the lid can be opened smoothly. Repeat steps 1-3 (maximum 1-2 times) if lid opening speed is still slow.

Make sure to rotate counterclockwise following pushing in the hex key and disengaged the projection.
Forced rotation may clause damage.

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Torque hinges

Art. no.: 150.HG-CSH63 (perforated)

With constant torque and detent funtion.

Detent at both 0 ° and 100 °.

Torque not adjustable.

Also available as:
Free running hinge see chapter „hinges"

Type 1

Type 2

Type 3

Article no.			
Series	Execution	Material Anodized Aluminium	Torque in Nm
150.HG-CSH63	1	.71	Without damper
150.HG-CSH63	AM2	.71	1~1.7
150.HG-CSH63	AH2	.71	1.7~2.5
150.HG-CSH63	BM3	.71	1~1.7
150.HG-CSH63	BH3	.71	1.7~2.5

Fig. A (Correct installation)

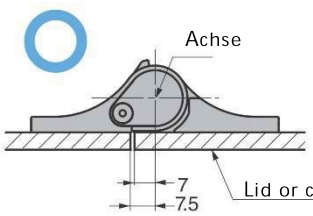
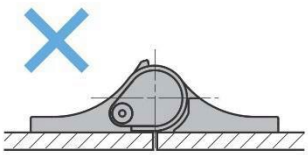
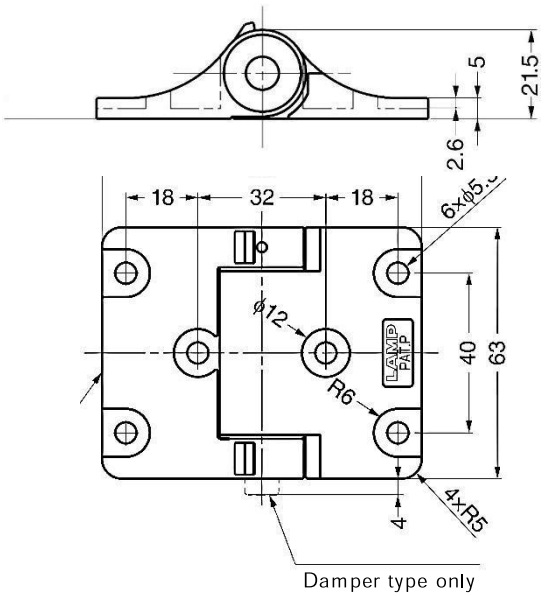


Fig. B (Wrong instaaltion)

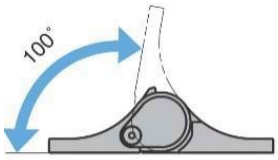


As shown in „Fig. A" shift the axis of hinge and the edge of lid or cabinet.

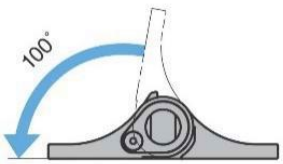


Damper type only

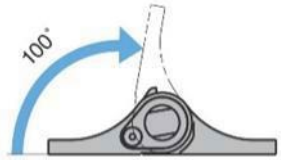
Type 1
Without damper



Type 2
With damper



Type 3
With damper



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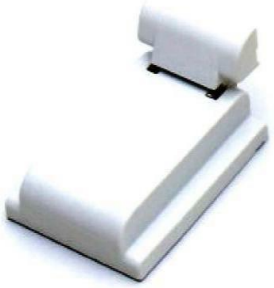
Torque hinges

Art. no.:150. HG-PA180-9 (perforated)

VIDEO

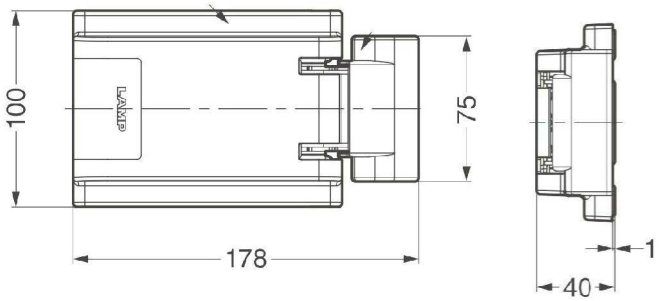


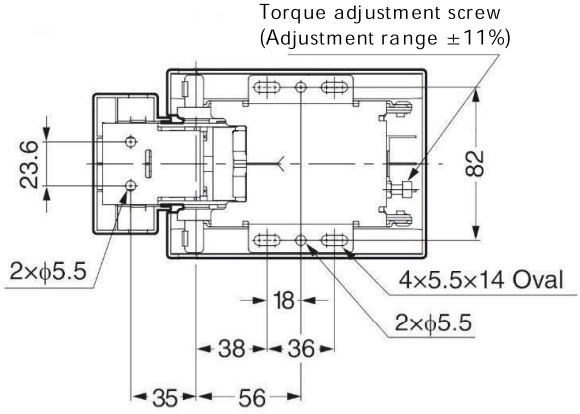
Lift Assist with adjustable torque.
with plastic cover (PBT light grey)

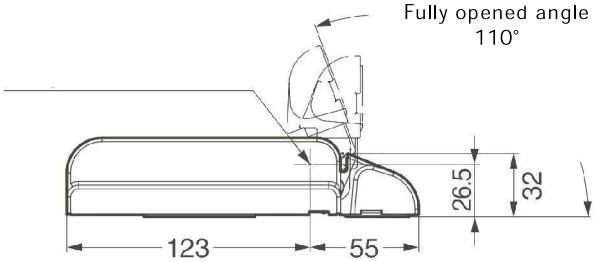
Easy to lift heavy top-opening lid with spring tension.
Smooth and soft-closing movement at the end, preventing
Lid from slamming shut.

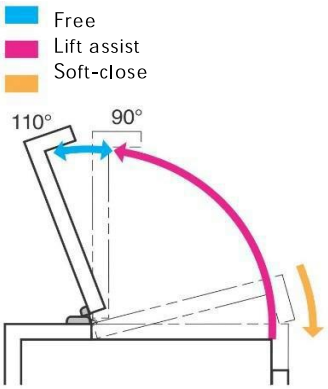
Torque is adjustable by turning the adjustment screw (± 11%).

Article no.		Torque in Nm
Series	Material	
	Stainless steel	
150. HG-PA180-9	.30	9

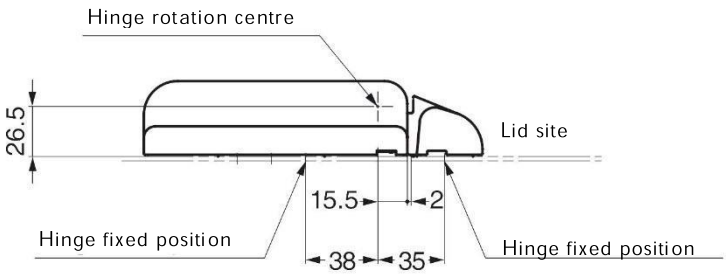








Installation



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Torque hinges

HoKon
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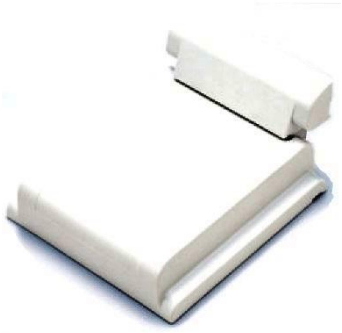
Art. no.:150. HG-PA200, HG-PA201 (perforated)

VIDEO

Lift-Assist with adjustable Torque
with plastic cover (PBT light grey)



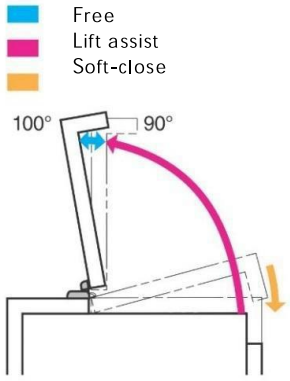
Easy to lift heavy top-opening lid with spring tension.

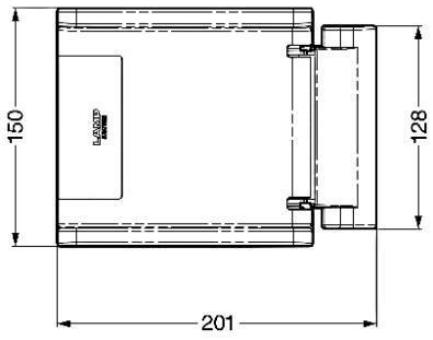
Smooth and soft-closing movement at the end,
preventing lid from slamming shut.

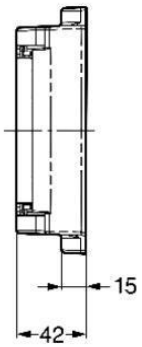
Torque is adjustable by turning the adjustment screw (± 5%).

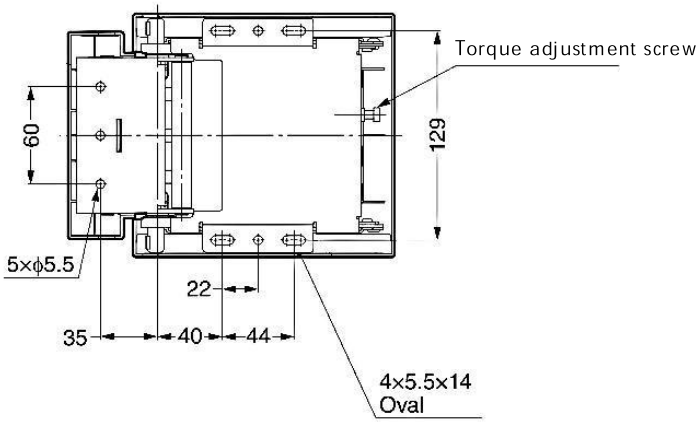
Install a stopper (not included) on the cabinet to prevent from exceeding the operating angle during opening or closing.

Article no.		Torque in Nm
Series	Material Stainless steel	
150. HG-PA200-15	.30	15
150. HG-PA200-20	.30	20
150. HG-PA200-25	.30	25
150. HG-PA201-15	.30	15
150. HG-PA201-20	.30	20
150. HG-PA201-25	.30	25

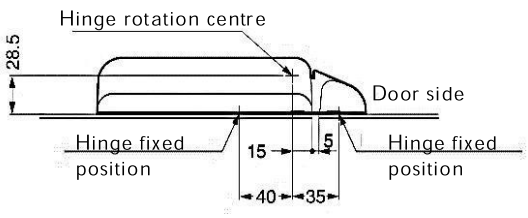


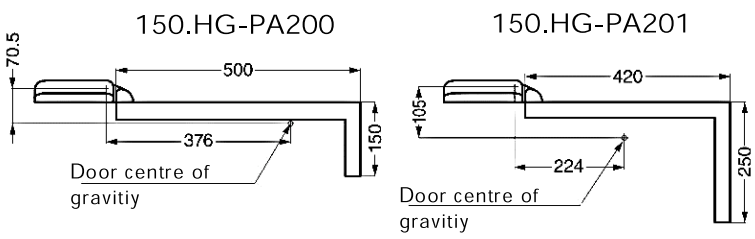






Installation





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Torque hinges

HoKon
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Art. no.:150. HG-PA270 (perforated)

VIDEO

Lift-Assist with adjustable torque.
with plastic cover (PBT light grey)

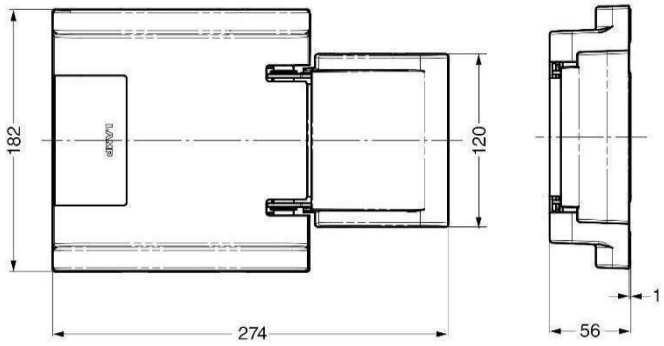
Easy to lift heavy top-closing lid with spring tension.

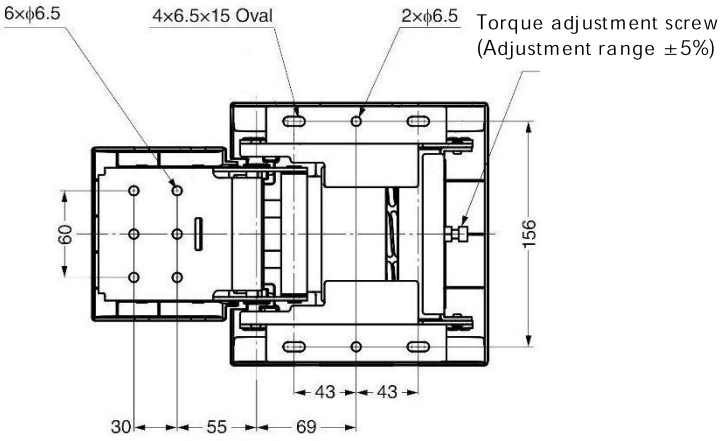
Smooth and soft-closing movement at the end, preventing
Lid from slamming shut.

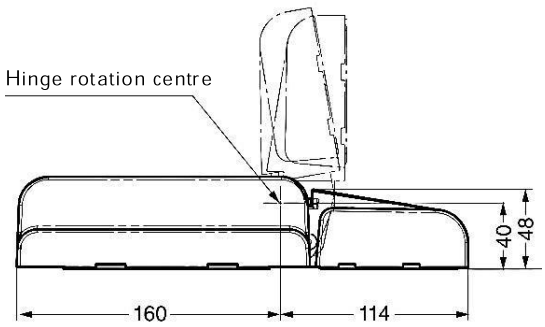
Torque is adjustable by turning the adjustment screw (± 5%).

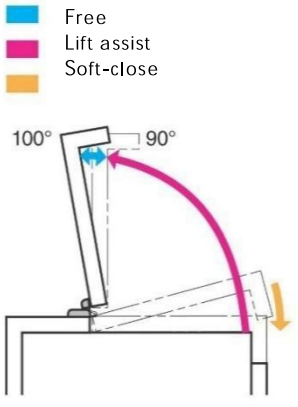
Install a stopper (not included) on the cabinet to prevent
from exceeding the operation angle during opening or closing.

Article no.		Torque in Nm
Series	Material Stainless steel	
150. HG-PA270-35	.30	35
150. HG-PA270-45	.30	45









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Torque hinges

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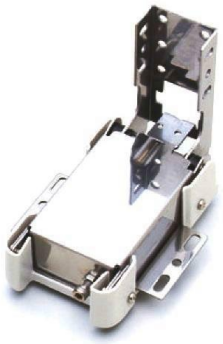
Art. Nr.:150. HG-PA210-9 (perforated)

VIDEO



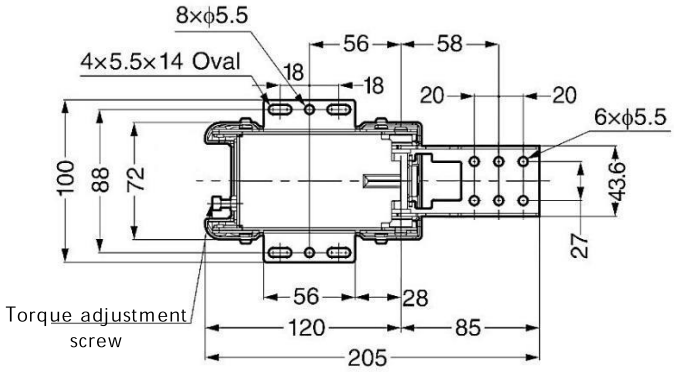
Lift-Assist with adjustable torque and stopper plate
with plastic cover (PBT light grey)

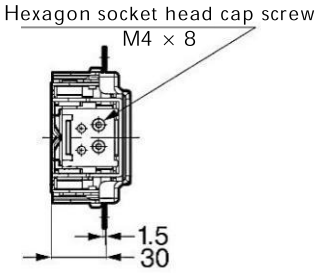
Able to limit the 140° opening angle to 55° or 80° with use of the included stopper plate.

Smooth and soft-closing movement at the end, preventing lid From slamming shut.

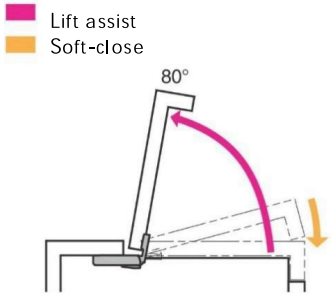
Torque is adjustable by turning the adjustment screw (± 11%).

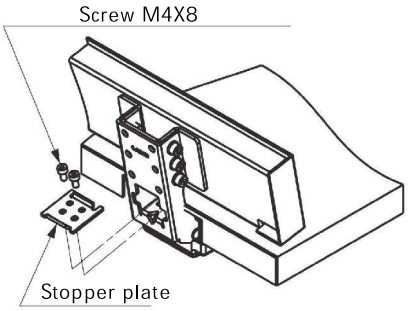
Article no.		Torque in Nm
Series	Material	
	Stainless steel	
150.HG-PA210-9	.30	9

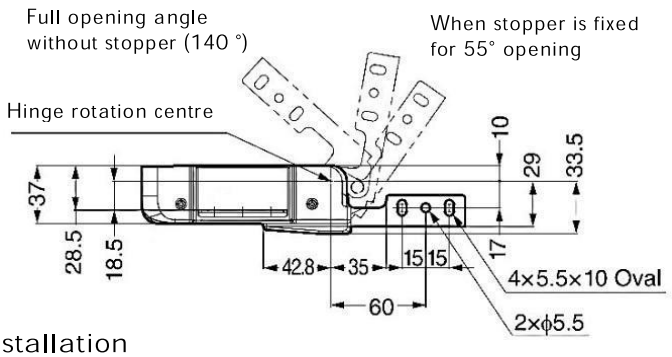




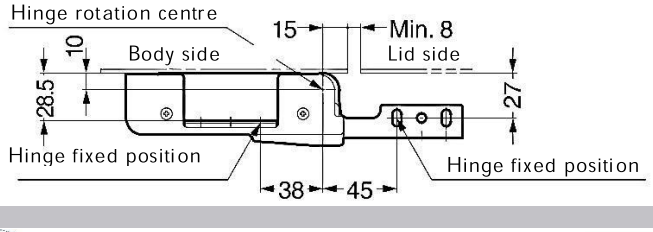
Stopper plate fixed for 80° opening

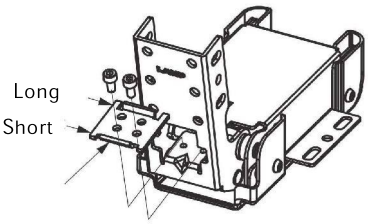






Installation





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Torque hinges

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Art. Nr.:150. HG-PA230, HG-PA231 (perforated)

VIDEO

Lift-Assist with adjustable torque and stopper plate
with plastic cover (PBT light grey)

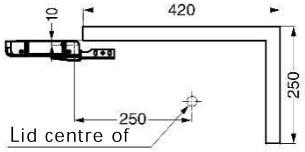
Easy to lift heavy top-opening lid with spring tension.

Torque is adjustable by turning the adjustment screw (± 5%).

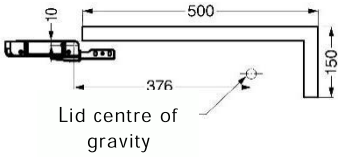
Able to limit the 140° opening angle to 55° or 80°
with use oft he included stopper plate.

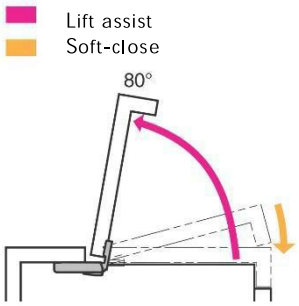
Article no.		Torque in Nm
Series	Material	
	Stainless steel	
150. HG-PA230-15	.30	15
150. HG-PA230-20	.30	20
150. HG-PA230-25	.30	25
150. HG-PA231-15	.30	15
150. HG-PA231-20	.30	20
150. HG-PA231-25	.30	25

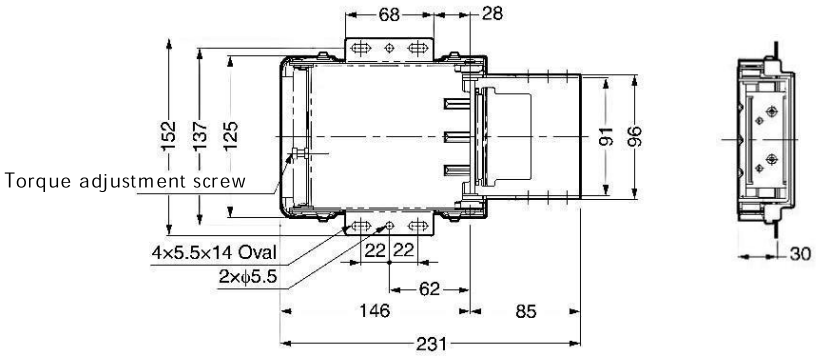
150.HG-PA230
(Peak torque angle 20 °)

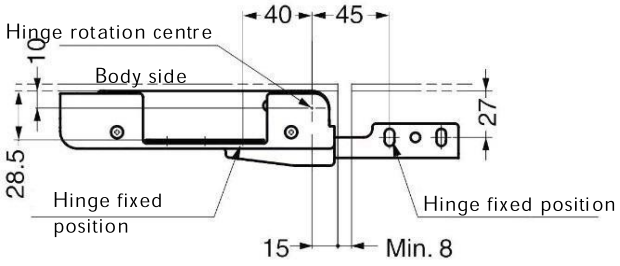


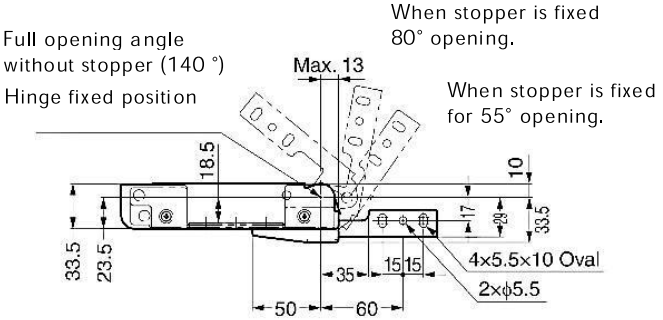
150.HG-PA231
(Peak torque angle 35 °)











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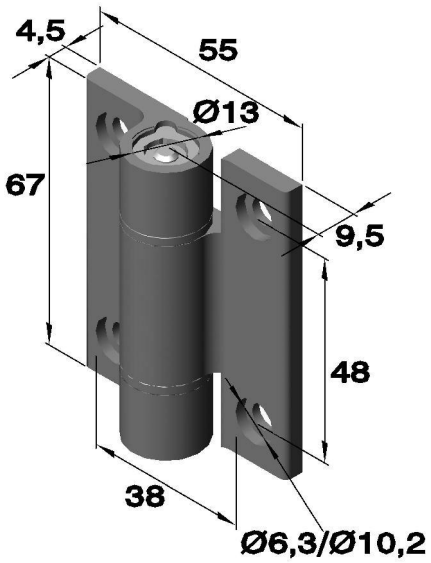
Detent hinges

Art. no.: 6874 (perforated and countersunk)

Locking position every 30° from 0° to 270°.
With 3 different available locking moments.

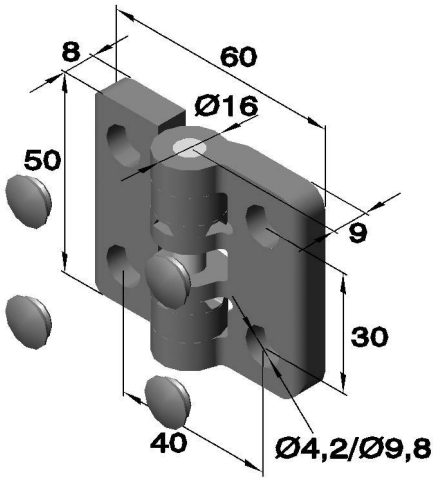
Also available as:
Free running hinge see chapter „Hinges "
Spring hinge see chapter „Spring hinges "
Torque hinge see chapter „Torque hinges "



Article no.			Torque in N.m
Series	Execution	Material Black Alu. 6060 T5	
6874	.01	.77	1,8
6874	.02	.77	2,5
6874	.03	.77	3,2
6874	.04	.77	5,0

Art. no.: 6875 (perforated and countersunk)
with stainless steel pin (1.4305)

Locking positions every 90°.
Maximum weight of the door: 1.2 kg for 2 hinges.

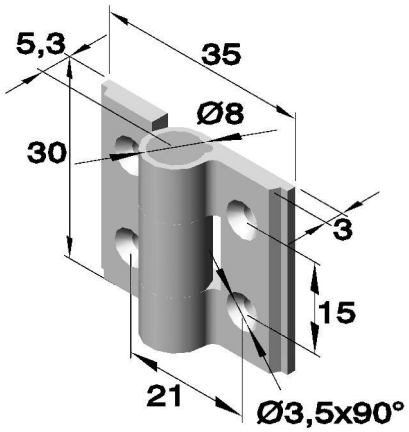


Article no.		
Series	Execution	Material Polyacetal
6875	.01	.80-Ivory
6875	.02	.80-Black

Art. no.:6871 (perforated and countersunk)

All catch positions 30° from 0° to 270°
Drag moment is not adjustable!

Also available as:
Spring hinge see chapter "Spring hinges"
Torque hinge see chapter „Torque hinges "



Article no.			
Seriess	Execution	Material	
		Anodized pale	Anodized black
		Alu 6060 T5	Alu 6060 T5
6871	.06	.71	.77

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Detent hinges

Art. no.: 150.HG-MPS2 (perforated)

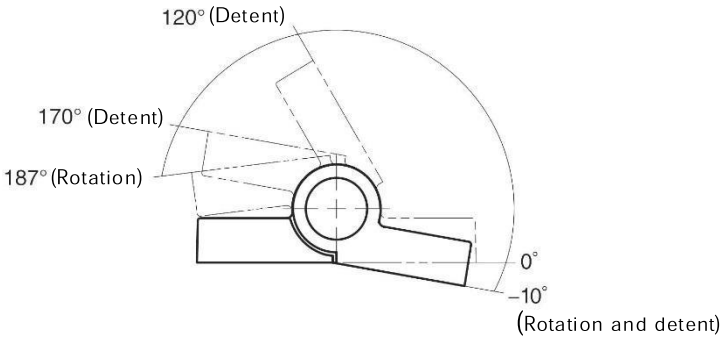
VIDEO

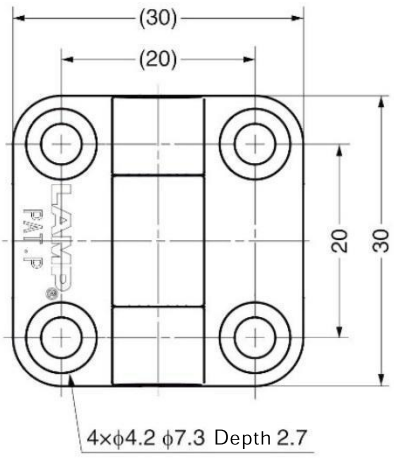
Detent positions: -10°, 120° und 170°.
Can be used horizontally or vertically.

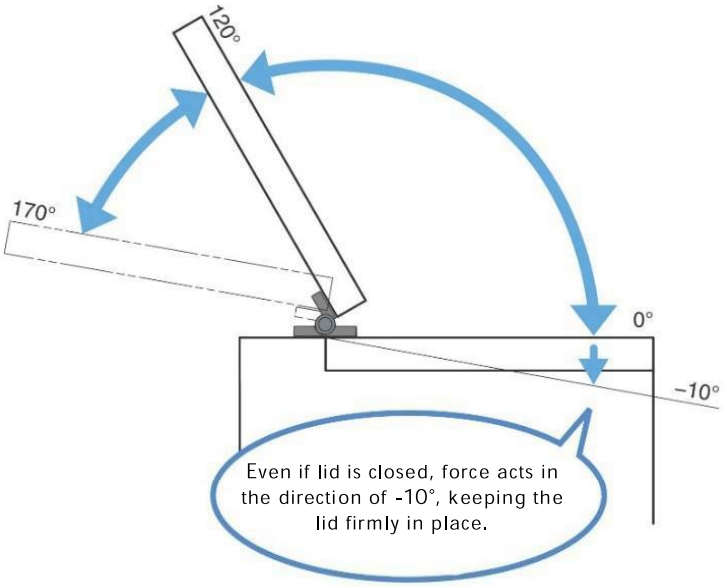
Additional stopper is recommended at 0° (fully closed) and 170° (fully opened).

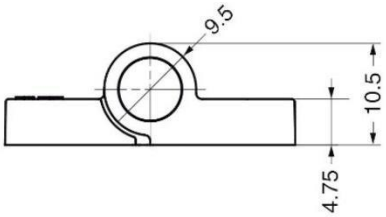
For indoor use only.
Not suitable for wet applications.

Article no.			Retaining torque in Nm	
Series	Material		-10 °, 170°	120°
	PBT		0.26	0.145
	Black	White		
150.HG-MPS2	-BL.87	-WT.81		









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Detent hinges

Art. no.: 150.HG-FH128 (perforated and countersunk)

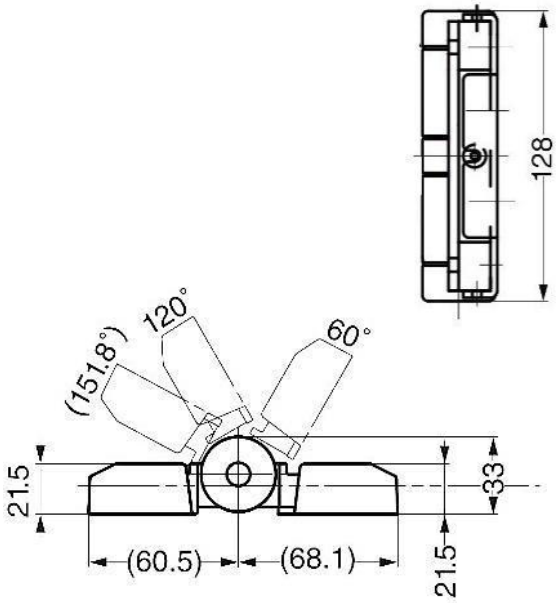
VIDEO

Detent position: bei 60 ° und 120 °.

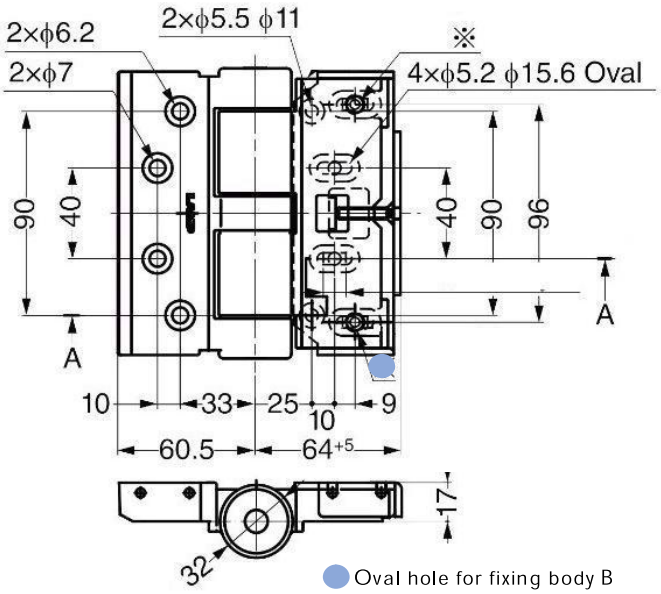
Depth and horizontal adjustment can also made. after installation.

Fluororesin washer at rotation part ensures smooth operation.

Article no.		Retaining torque in Nm/Paar
Series	Material Zamak Nickel plated	
150.HG-FH128	.51	10

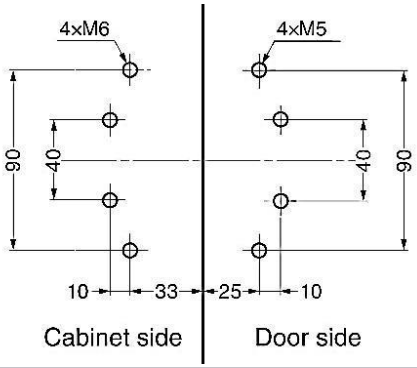


Cabinet side Door side



Oval hole for fixing body B and bracket B.

Cut out dimensions



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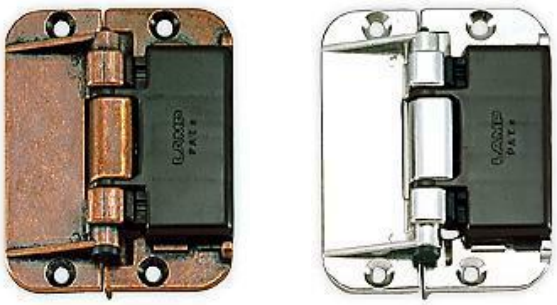
Detent hinges

Art. no.: 150.CH-75 (perforated and countersunk)

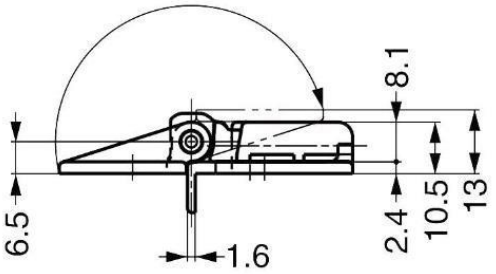


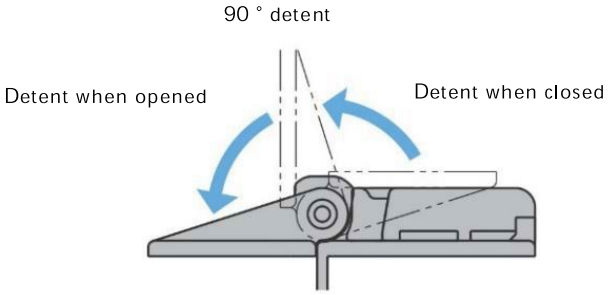
Detent positions: 0°, 90° und 180°

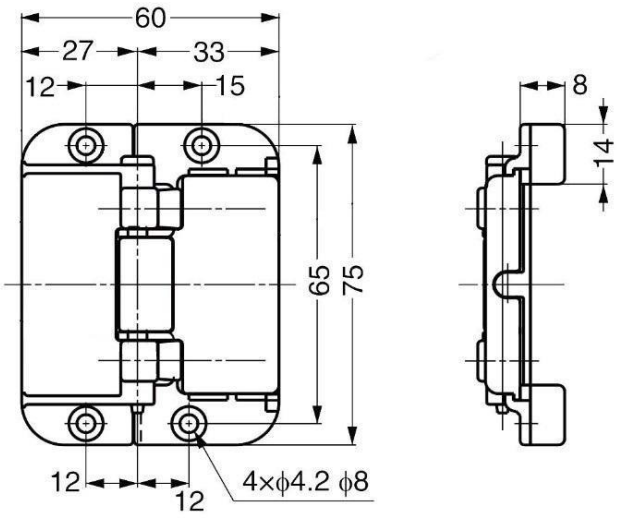
Cushion funtion absorbs impact at full opening
and unexpected external force.

Removable hinge pin allows easy installation.

Article no.		
Series	Material	
	Zamak	
	vernickelt	verbronzt
150.CH-75	-NI.51	-GB.55







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HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art. no.:150. HG-RCT15-C (perforated and countersunk)

VIDEO

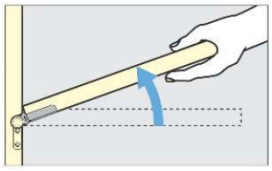
Ratchet mechanism holds at angels in 5° increment from closed to opened position.

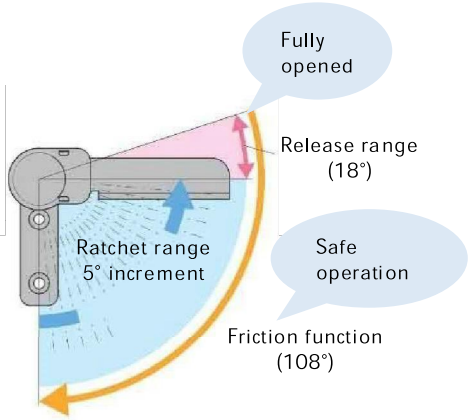
The friction (resistance) function works even when release the ratchet mechanism.

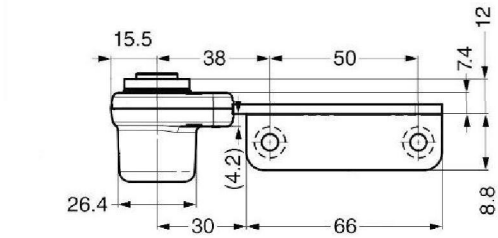
When the mounting width of hinge is more than 400mm, the ratchet mechanism may not work simultaneously on the left and right.

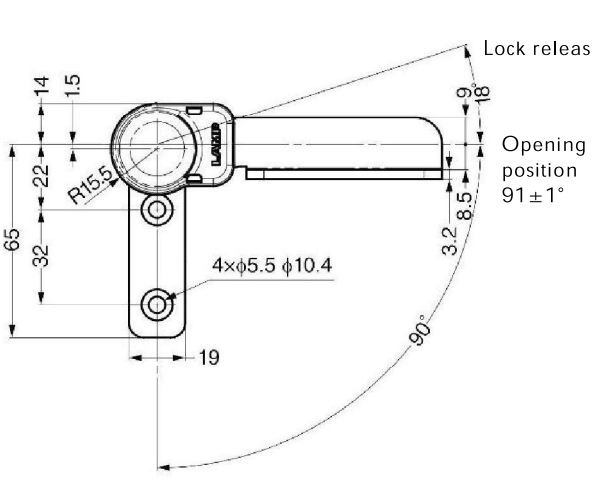
Use in pairs.

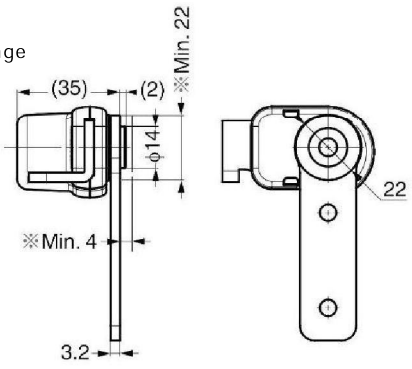
Article no.		Allowable movement Nm/Pair
Series	Material	
	Nickel plated	
	Steel	
150.HG-RCT15-C	.01	40











Undercut for the ※ area is needed.
Right- handed type shown.

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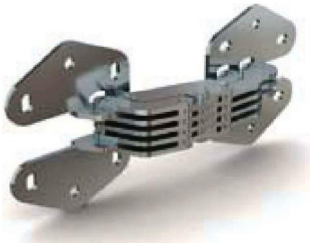
Concealed hinges



Art.:6069.05

Art.:6069.04

Art.:6103

Art.:6127

Art.:6589

Art.:6128

Art.:6069.09

Art.:6069.14

Art.:6069.00

Art.:6588

Art.:6100

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Concealed hinges

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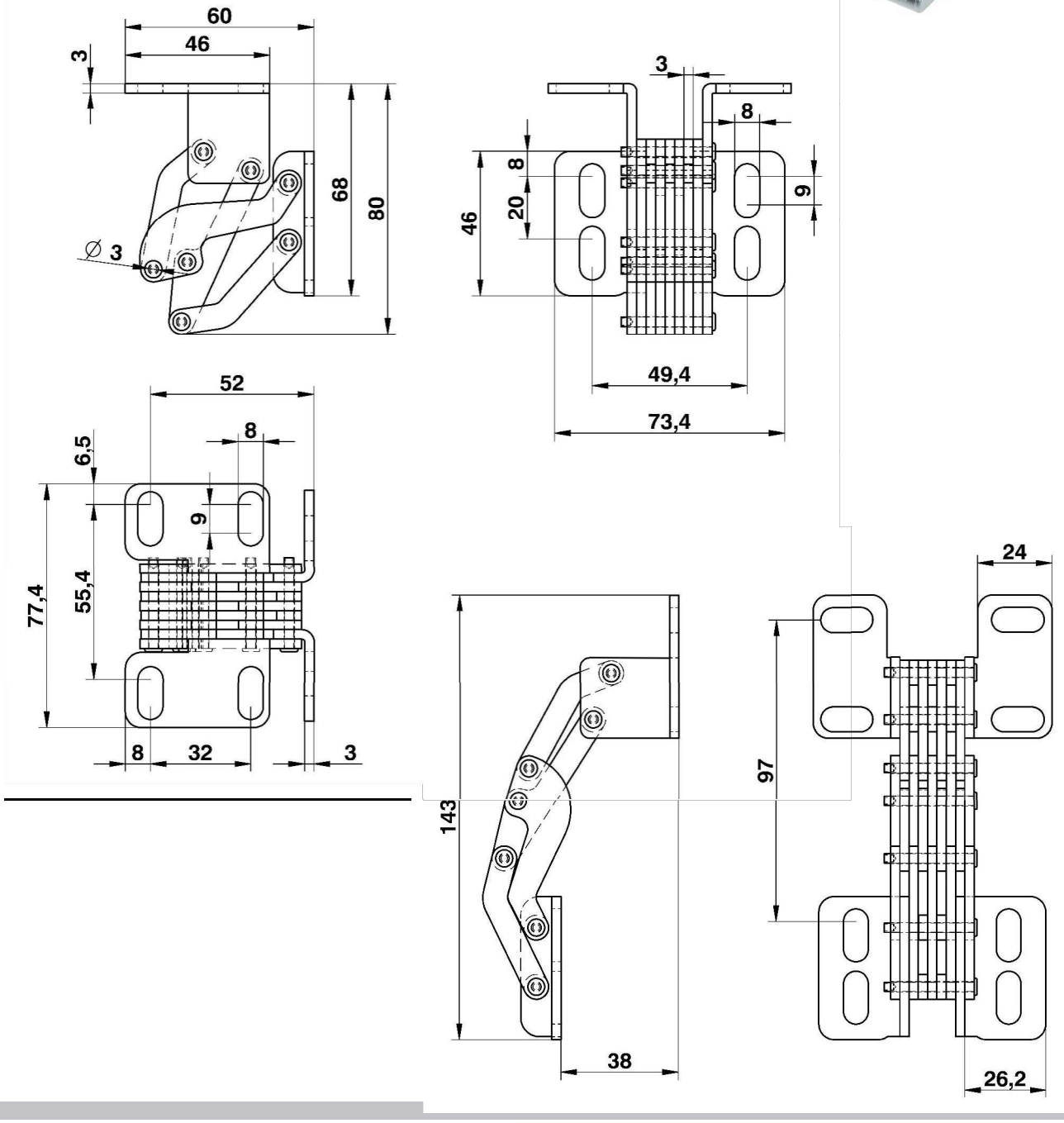
SONDERKONSTRUKTIONEN

Art.no.:91.1071.03

Hinge for invisible fence
Opening angle: ca.110°

Article no.			
Series	Execution	Material	
		Zinc plated	Raw
		Steel	Stainless steel
91.1071	.03	.04	.30



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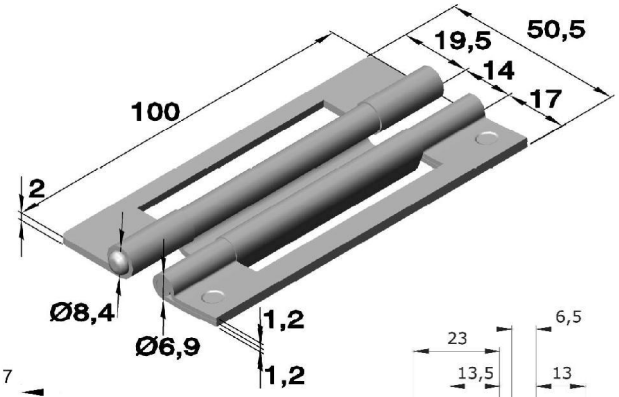
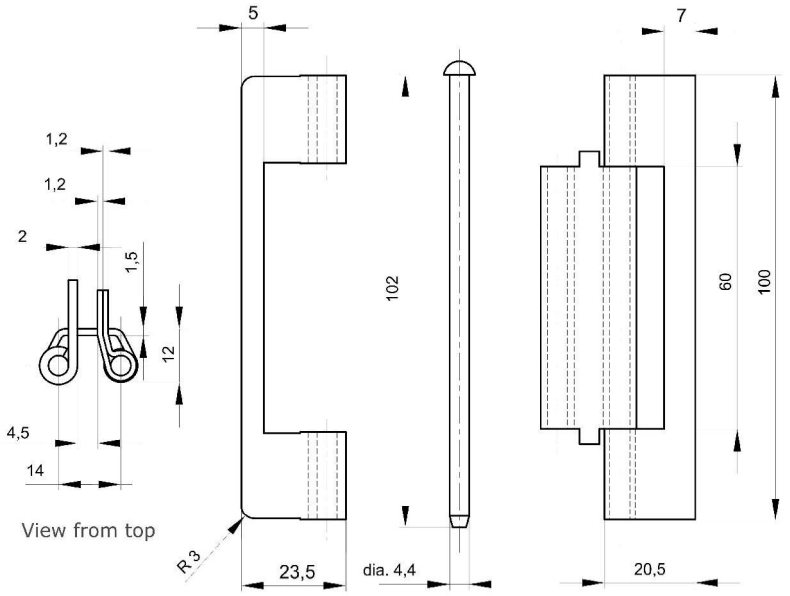
Concealed hinges

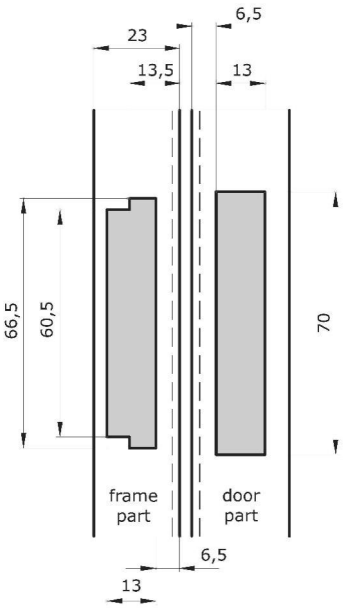
Art. no.: 6069

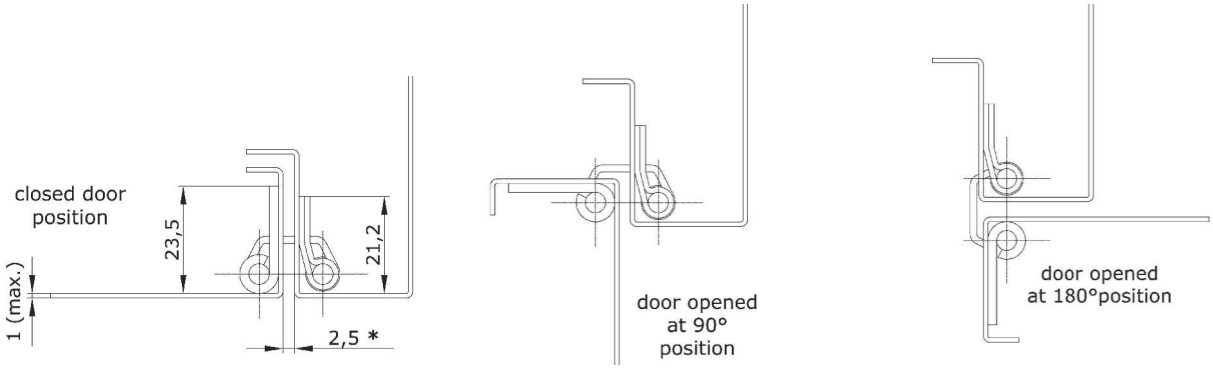
Hinge for invisible fence with an extractable steel pin
Opening angle: 180°

Article no.		
Series	Execution	Material Raw Steel
6069	.00	.00







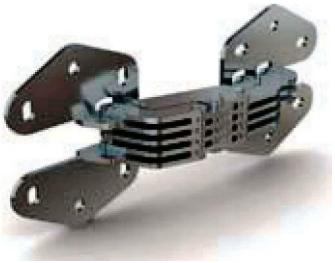


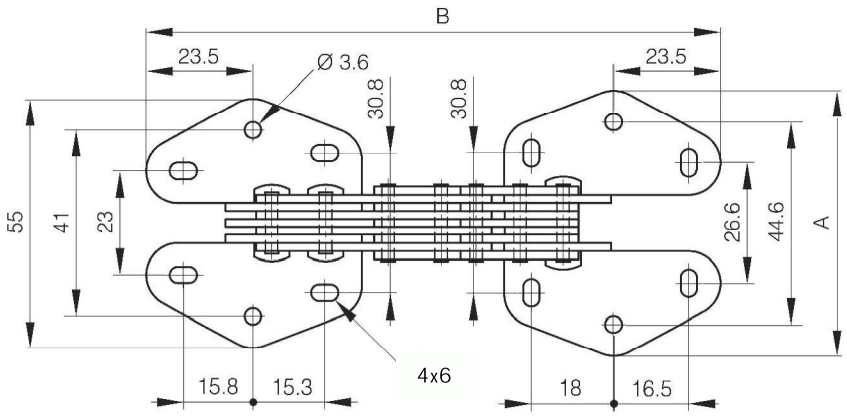
Concealed hinges

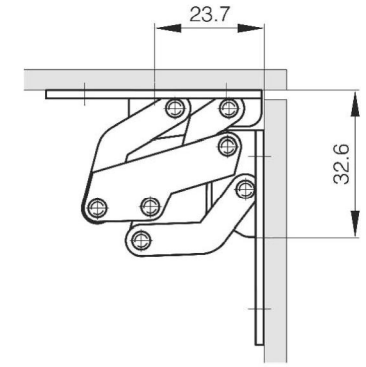
Art.no.:6069

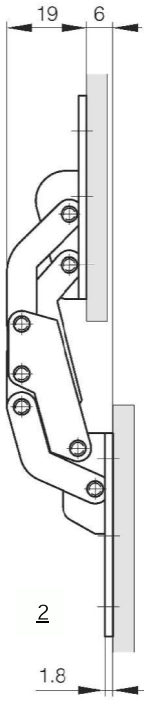
Hinge for invisible fence
Opening angle: 90°

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	A	B
6069	.05	.04	58,6	126,5







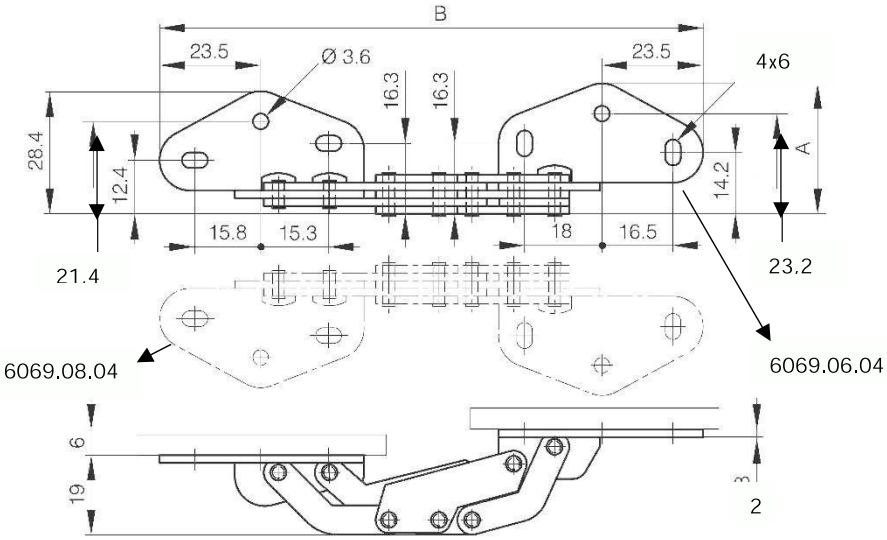


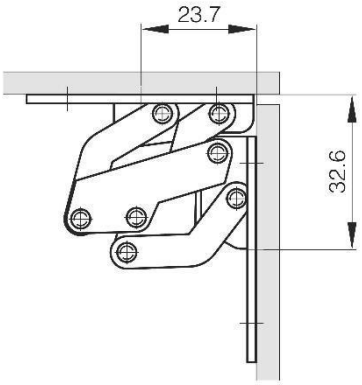
Art.no.:6069

Hinge for invisible fence
Opening angle: 90°

Execution:
__.08

Article no.			Dimensions in mm		
Series	Execution	Material Zinc plated Steel	A	B	
6069	.06	.04	30,2	126,5	above
6069	.08	.04	30,2	126,5	below





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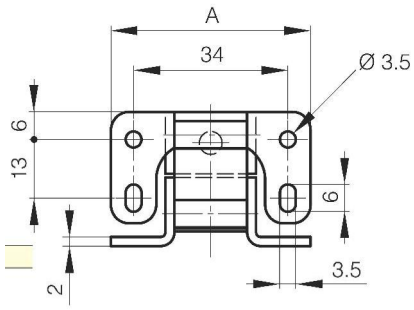
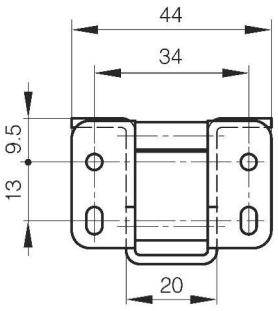
Concealed hinges

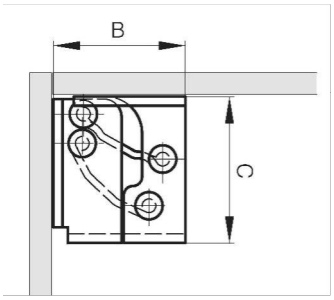
Art. no.: 6069

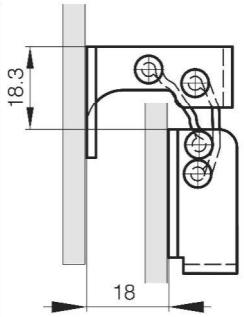
Hinge for invisible fence with 90° opening angle

Article no.			Dimensions in mm		
Series	Execution	Material Zinc plated Steel	A	B	C
6069	.04	.04	44	29	32





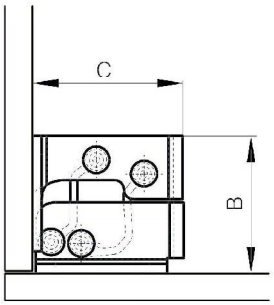


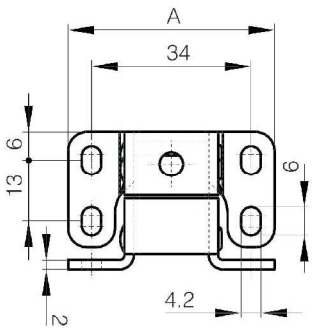


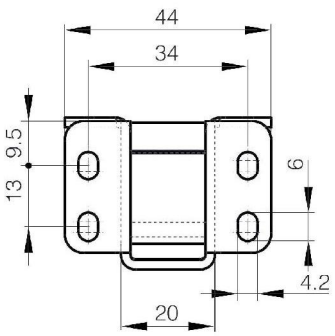
Art.no.:6069

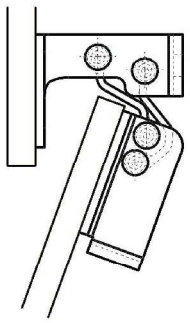
Hinge with invisible fence
Opening angle: 125°

Article no.				Dimensions in mm		
Series	Execution	Material Zinc plated Steel	Raw Stainless steel	A	B	C
6069	.18	.04	.35	44	29	32









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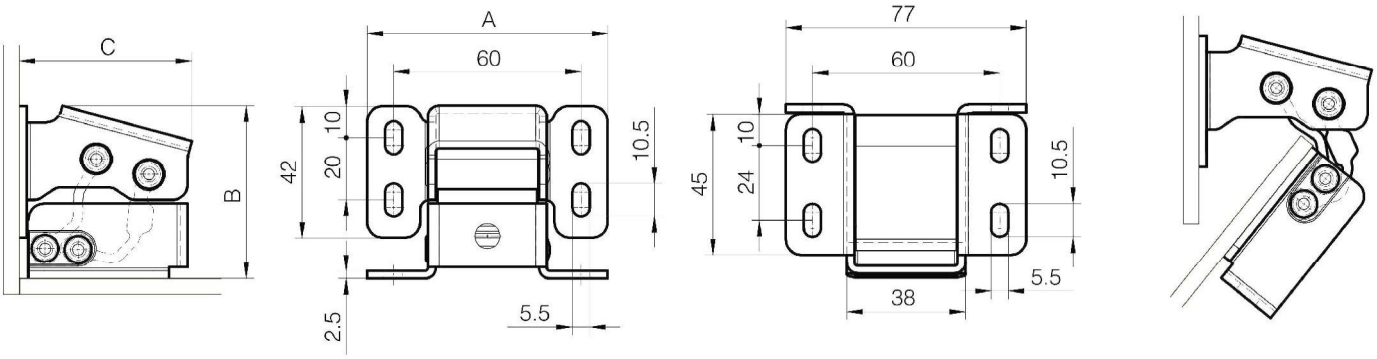
Concealed hinges

Art.no.:6069

Hinge for invisible fence
Opening angle: 125°

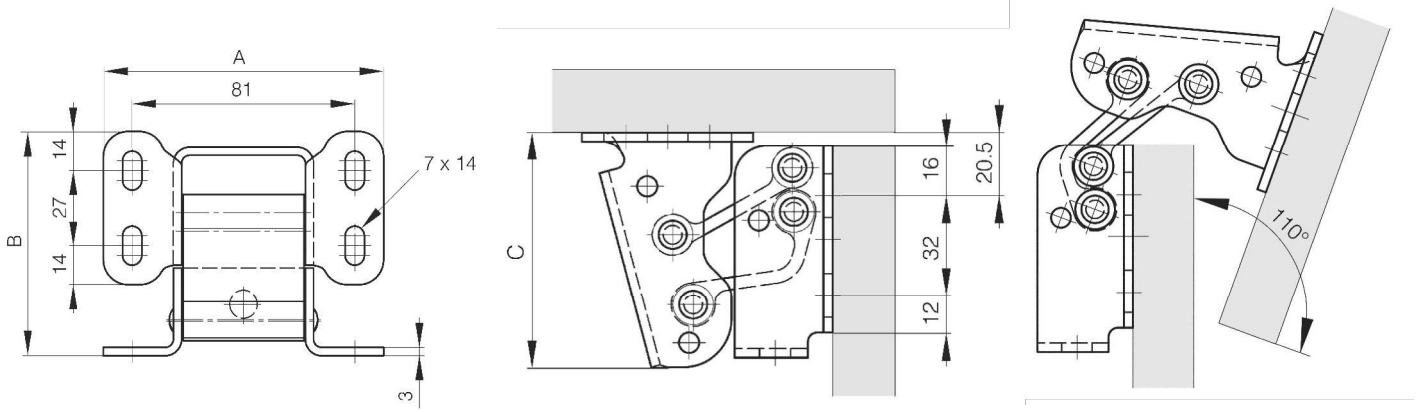
Article no.				Dimensions in mm		
Series	Execution	Material		A	B	C
		Zinc plated	Raw			
		Steel	Stainless steel			
6069	.19	04	.35	77	55,2	54



Art. no.: 6589

Hinge for invisible fence with 110° opening angle
Articulated parts made of anodized aluminium

Article no.		Dimensions in mm		
Series	Material	A	B	C
	Zinc plated			
	Steel			
6589	.04	102	80,5	76



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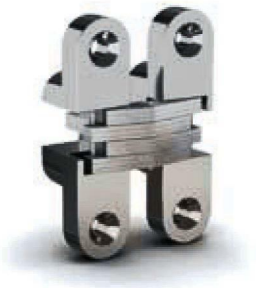
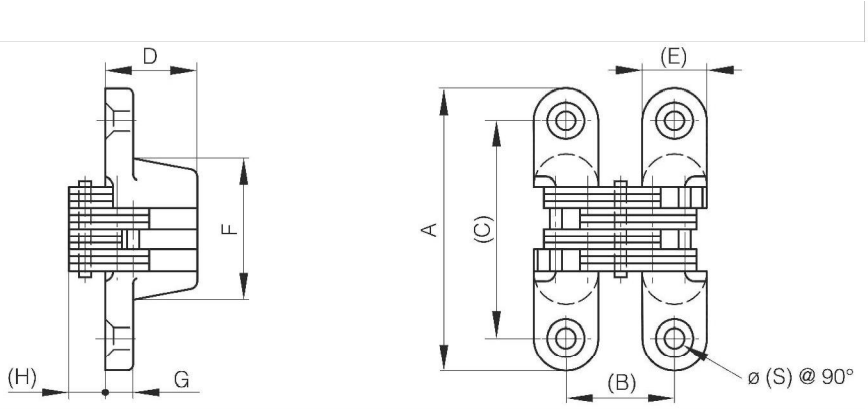
Concealed hinges

Art. no.: 6069

with fence
Opening angle: 180°
Articulation made of stainless steel

Article no.			Dimensions in mm										
Series	Execution	Material Chromated Zamak	A	B	C	D	E	F	G	H	S	X	Y
6069	.09	.53	43	18	32	13	11	22	5	5	3,5	≤2,3	0,8
6069	.10	.53	45	22,7	32	18,5	13	19	5	6	3,5	≤3	0,8
6069	.11	.53	60	22,2	47	18,5	13	33	6,5	6,5	4,3	≤3	1
6069	.12	.53	70	26,6	53	23	16,1	35	7	9	4,6	≤3,5	1,2
6069	.13	.53	100	33,2	80	27,5	20	52	9,5	9,5	5,3	≤4,8	1,8

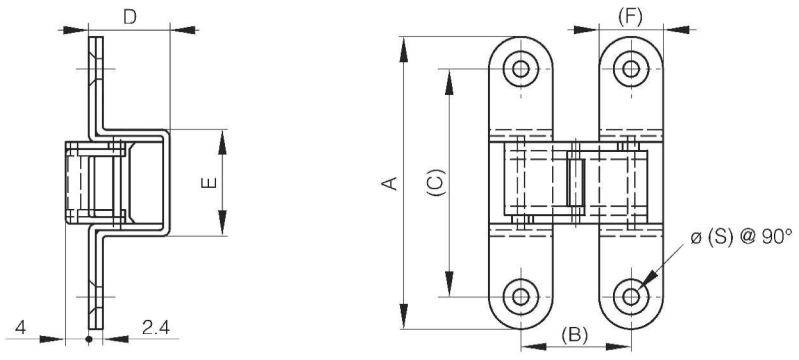




Art. no.: 6069

Hinge for invisible fence
Opening angle 180°

Article no.			Dimensions in mm						
Series	Execution	Material Satin finished Stainless steel	A	B	C	D	E	F	S
6069	.14	.30	50	19	38	14	18,2	11	2,7



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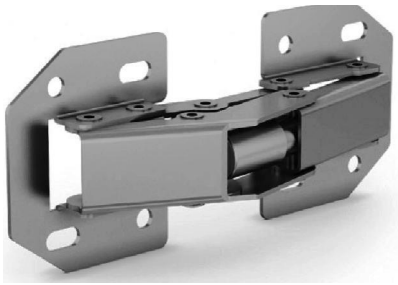
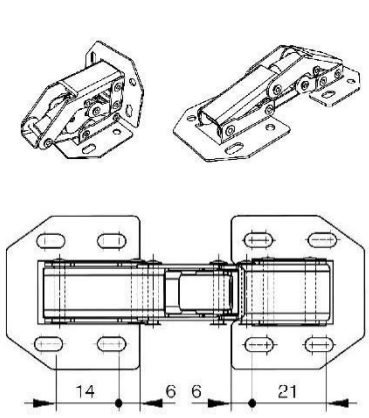
Concealed hinges

Art.no. 6491

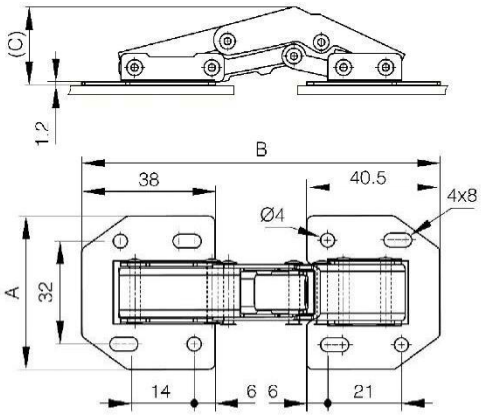
Hinge for invisible fence
Opening angle 90°



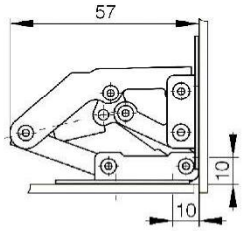
Article no.				Dimensions in mm		
Series	Execution	Material		A	B	C
		Nickel plated	Raw			
		Steel	Stainless steel			
6491	.01	.01	.35	44	104,5	70



6491.01.35

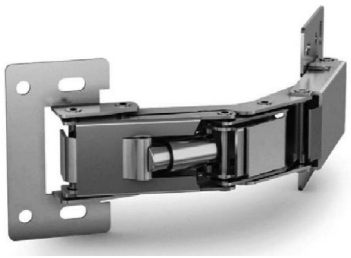


6491.01.01

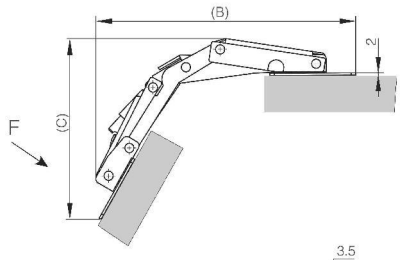


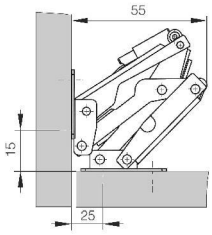
Art.no. 6492

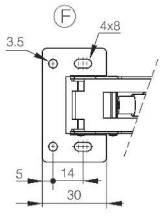
Hinge for invisible fence
Opening angle: 90°

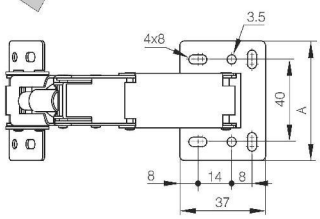


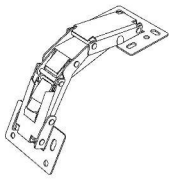
Article no.				Dimensions in mm		
Series	Execution	Material		A	B	C
		Nickel plated	Electro polished			
		Steel	Stainless steel			
6492	.01	.01	.33	52	112	81

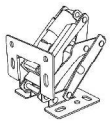












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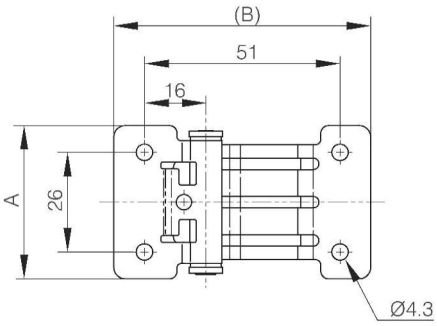
Concealed hinges

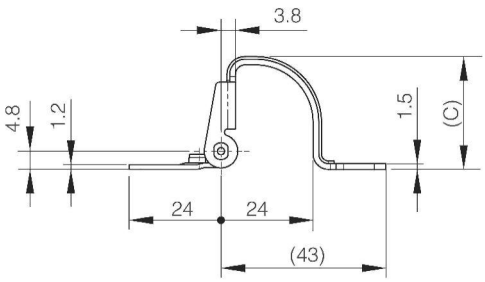
Art.no. 6493

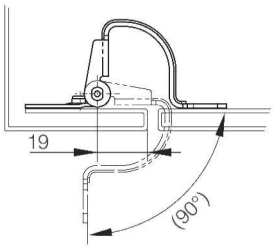
Hinge for invisible fence with constant torques

The torque amounts 0.7 N.m (-20%/ +40%)

Article no.			Dimensions in mm		
Series	Execution	Material Raw Stainless steel	A	B	C
6493	.01	.33	40	67	29,5



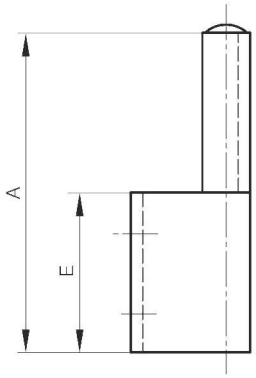


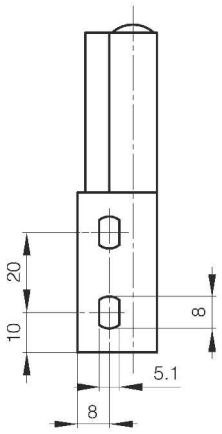


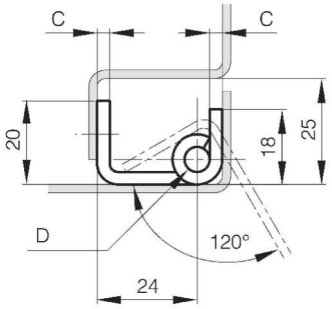
Art. no.: 6127

Hinge for invisible fence
Opening angle: 120°
With extractable pin
Hinge can be assembled at left or right direction

Article no.				Dimensions in mm			
Series	Execution	Material Raw Steel	Material Raw Stainless steel	A	C	D	E
6127	.01	.00	.30	80	3	6	40







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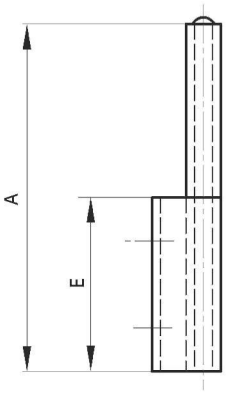
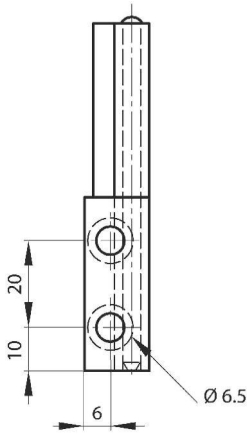
Concealed hinges

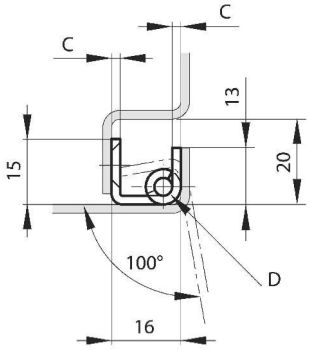
Art. no.: 6127

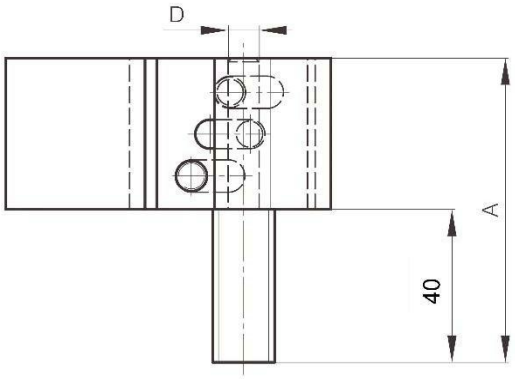
Hinge for invisible fence
Opening angle: 100°
With extractable pin
Hinge can be assembled at left or right direction

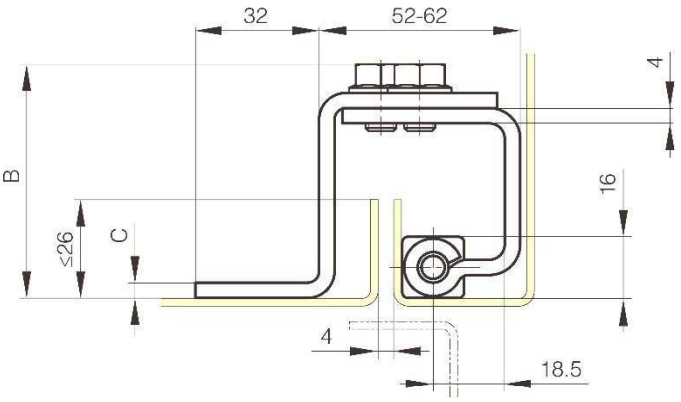
Article no.				Dimensions in mm			
Series	Execution	Material		A	C	D	E
		Raw steel	Raw Stainless steel				
6127	.02	.00	.30	80	2	4	40











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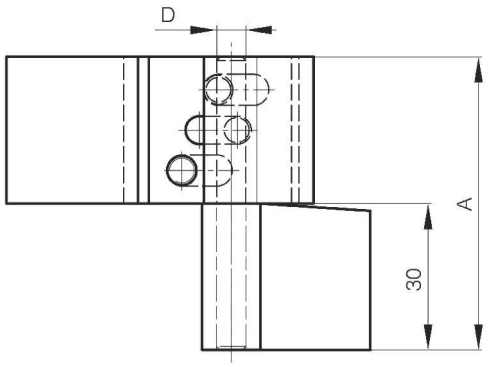
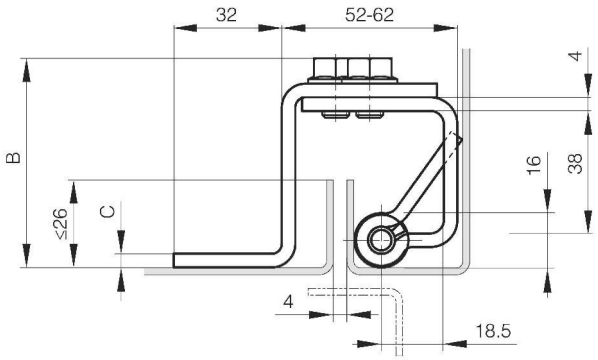
Concealed hinges

Art. no.: 6128

Hinge for invisible fence
Opening angle: 90°
With extractable pin
Hinge can be assembled at left or right direction

Article no.			Dimensions in mm			
Series	Execution	Material Raw steel	A	B	C	D
6128	.01	.00	80	62	4	8

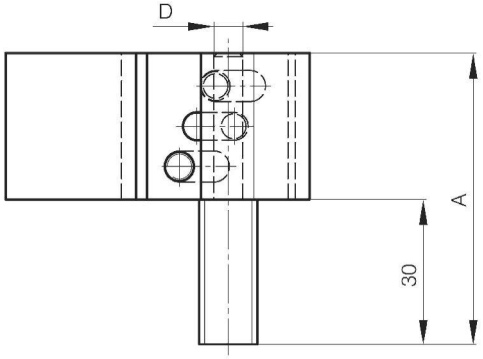


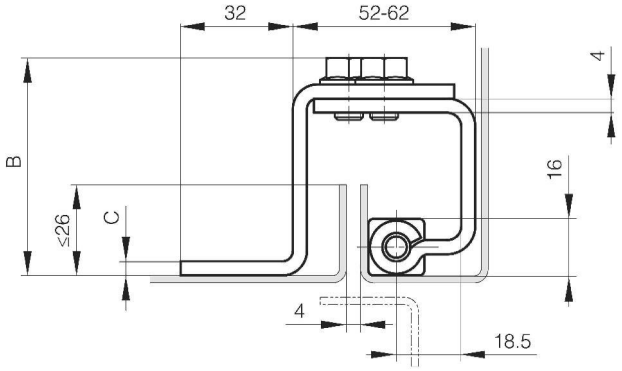


Art. no.: 6128

Hinge for invisible fence
Opening angle: 90°
With extractable pin
Hinge can be assembled at left or right direction

Article no.			Dimensions in mm			
Series	Execution	Material Raw Steel	A	B	C	D
6128	.02	.00	80	61	4	8





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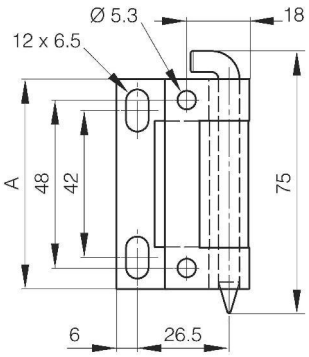
Concealed hinges

Art. no.: 6103

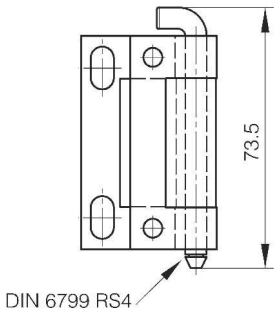
Hinge for invisible fence
Opening angle: 20°
With extractable pin

Article no.				Dimensions in mm		
Series	Execution	Material		A	C	D
		Zinc plated steel	Raw Stainless steel			
6103	.01	.04	.30	60	2,5	6
6103	.02	.04	.30	60	2,5	6
6103	.03	.04	.30	60	2,5	6

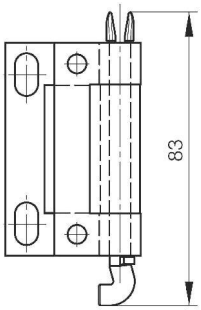
Execution: .01

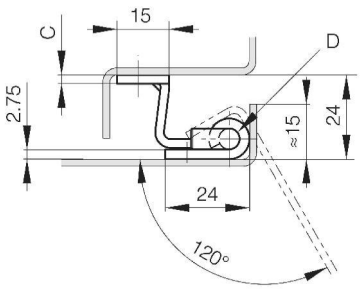


Execution: .02
Pin with nut



Execution: .03
POM pin



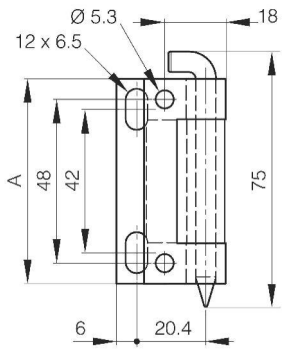


Art. no.: 6104

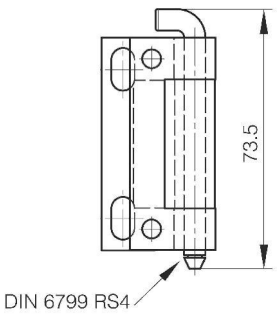
Hinge for invisible fence with 120° opening angle
With extractable pin

Article no.				Dimensions in mm		
Series	Execution	Material		A	C	D
		Zinc plated Steel	Raw Stainless steel			
6104	.01	.04	.30	60	2,5	6
6104	.02	.04	.30	60	2,5	6
6104	.03	.04	.30	60	2,5	6

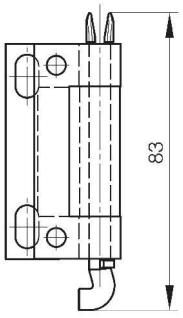
Execution: .01

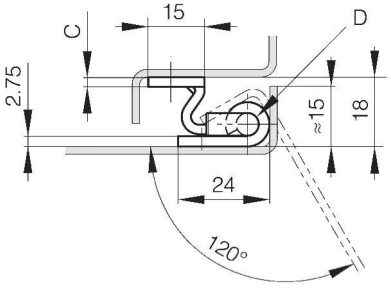


Execution: .02
pin with nut



Execution: .03
POM pin





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Concealed hinges

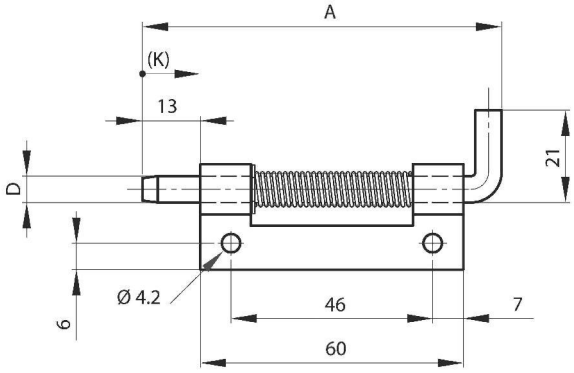
Art. no.: 6100

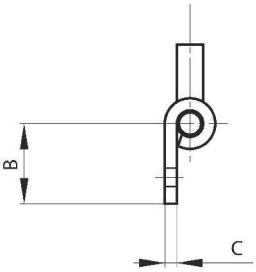
Hinges with spring-loaded pins
For assembly / disassembly of doors and flaps

Execution: Left

Execution: Right

Article no.						Dimensions in mm				
Series	Execution		Material			A	B	C	D	K
	Right	Left	Raw Steel	Zinc plated Steel	Raw Stainless steel					
6100	.01	.02	-	.04	-	82	18,2	2,8	6	12
6100	.04	.03	.00	-	-	82	18,2	2,8	6	12
6100	.05	.06	-	-	.30	82	18,2	2,8	6	12





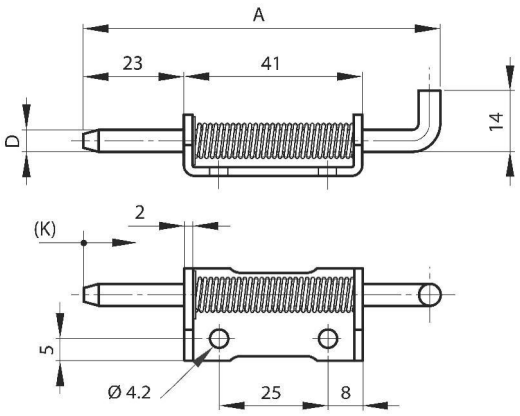
Art. no.: 6102

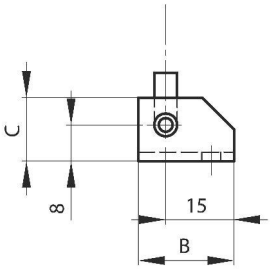
Hinges with spring-loaded pins
For assembly / disassembly of doors and flaps

Execution: Left

Execution: Right

Article no.						Dimensions in mm				
Series	Execution		Material			A	B	C	D	K
	Right	Left	Raw Steel	Zinc plated Steel	Raw Stainless steel					
6102	.01	.02	.00	-	-	82	21	14	5	12
6102	.03	.04	-	.04	-	82	21	14	5	12
6102	.06	.05	-	-	.30	82	21	14	5	12



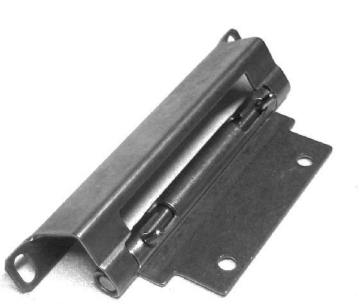


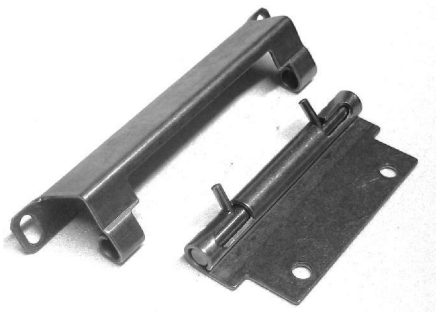
Concealed hinges

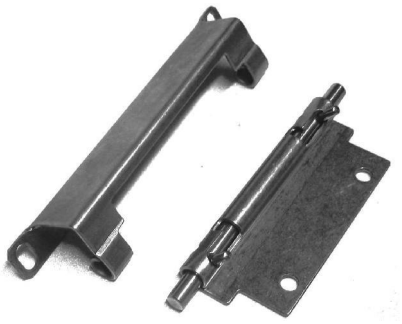
Art. no.: 6588

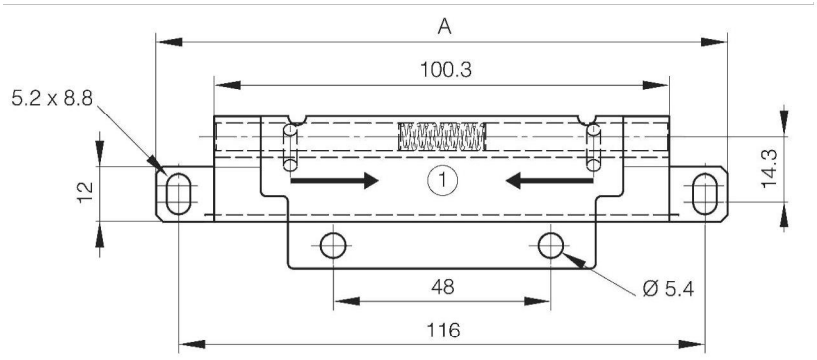
Two-part hinge for the invisible fence
With spring-loaded pin for assembly / disassembly of doors and flaps

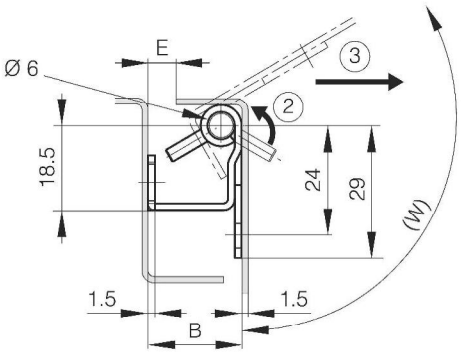
Article no.			Dimensions in mm			
Series	Execution	Material Raw Stainless steel	A	B	E	W
6588	.01	.30	126	17,5	3	122°
6588	.02	.30	126	20,5	4	117°
6588	.03	.30	126	23,5	4,5	112°











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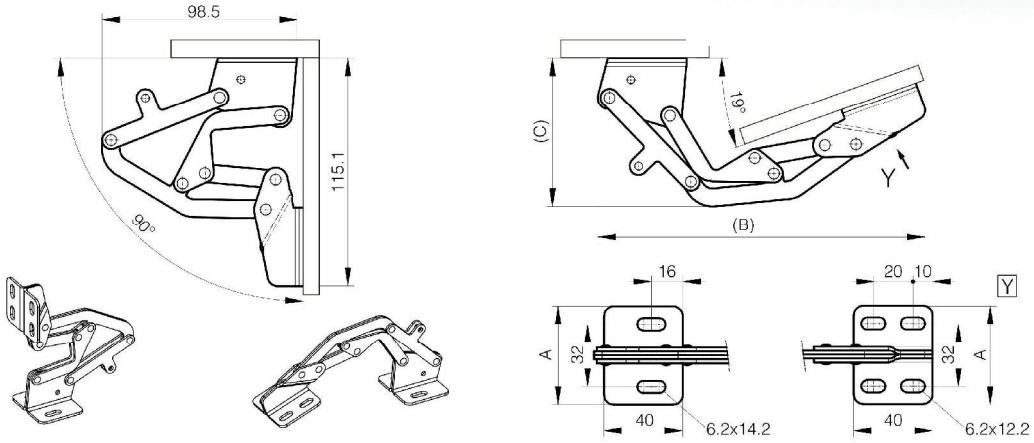
Concealed hinges

Art.no.:6214

For horizontally application only.

Article no.			Dimensions in mm		
Series	Execution	Material Zinc plated Steel	A	B	C
6214	(without spring) .01	.04	50	166	74,7

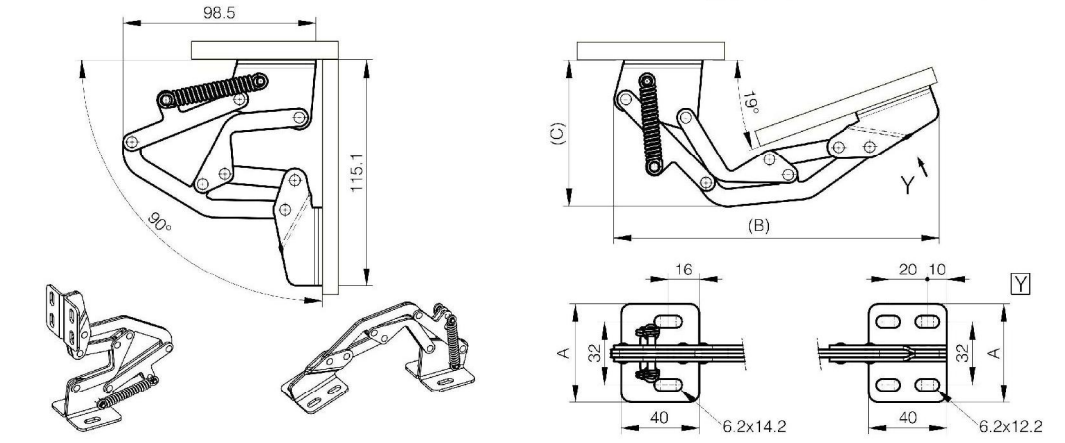


Art.no.:6214

For horizontally application only.

Torque of the spring „opening": 1 N.m / hinge
Torque of the spring „closing": 3 N.m / hinge

Article no.			Dimensions in mm		
Series	Execution	Material Zinc plated Steel	A	B	C
6214	(with spring) .02	.04	50	166	74,7



Concealed hinges

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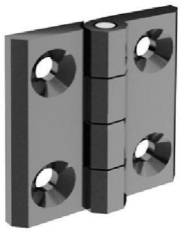
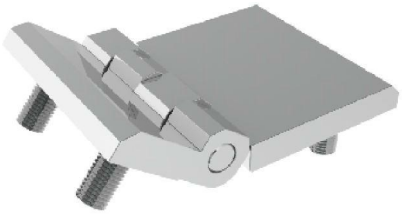


Art.no.: 4001

Art.no.: 4001

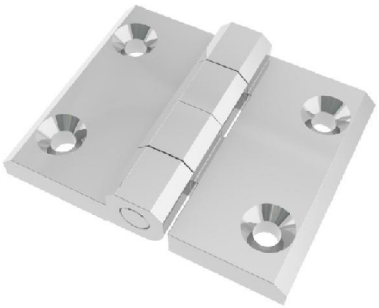
Art.no.: 4002

Art.no.: 4002

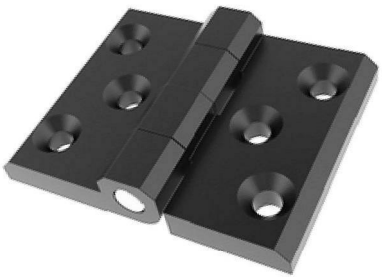


Art.no.: 4014

Art.no.: HC90



Art.no.: HF50



Art.no.: HF50

Art.no.: HF59

Art.no.: HS50

Art.no.: HC10

Art.no.: HS40

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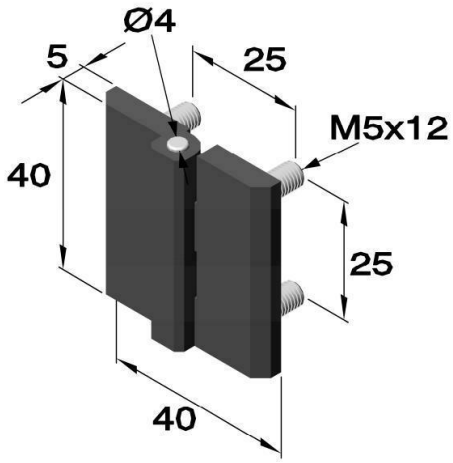
Hinges for vehicle construction and plant engineering

Art.no.: 4002 (with threaded pin)

with pin in stainless steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated

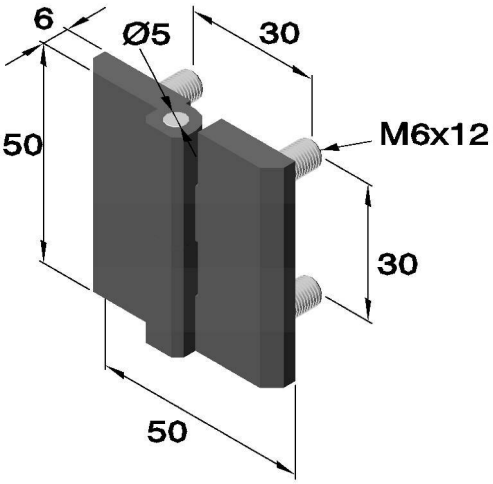


Article no.			
Series	Material		
	Execution	Chrome plated	Black coated
		Zamak	Zamak
4002	.01	.53	.57

Art.no.: 4002 (with threaded pin)

with pin in stainless steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated

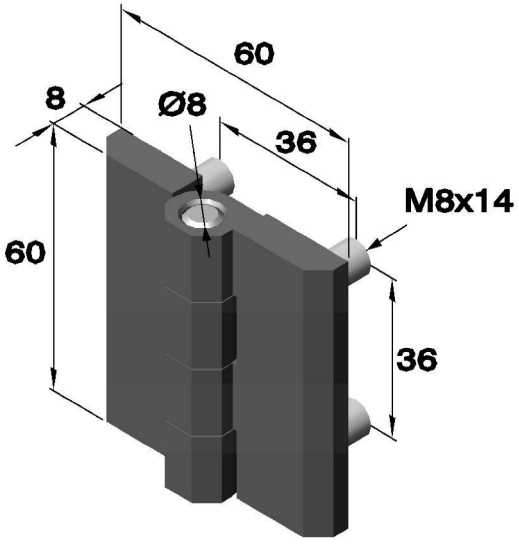


Article no.			
Series	Material		
	Execution	Chrome plated	Black coated
		Zamak	Zamak
HF30	.03	.53	.57

Art.no.: 4002 (with threaded pin)

with pin in stainless steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated



Article no.			
Series	Material		
	Execution	Chrome plated	Black coated
		Zamak	Zamak
4002	.04	.53	.57

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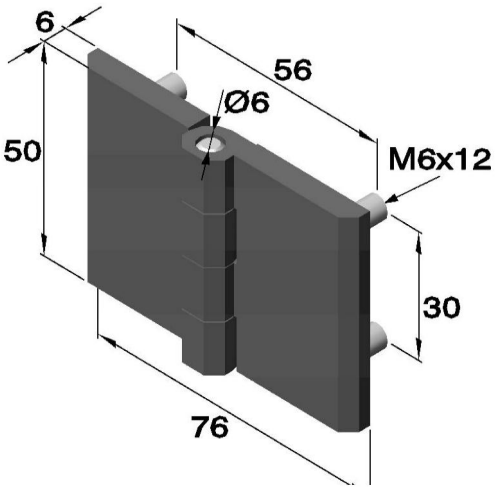
Hinges for vehicle construction and plant engineering

Art.no.: 4012 (with threaded pin)

with pin in stainless steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated

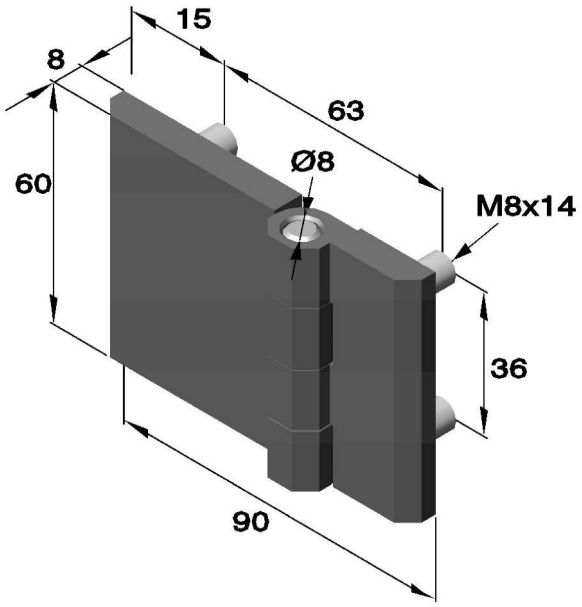


Article no.			
Series	Material		
	Execution	Chrome plated	Black coated
		Zamak	Zamak
4012	.01	.53	.57

Art.no.: 4014 (with threaded pin)

with pin in stainless steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated

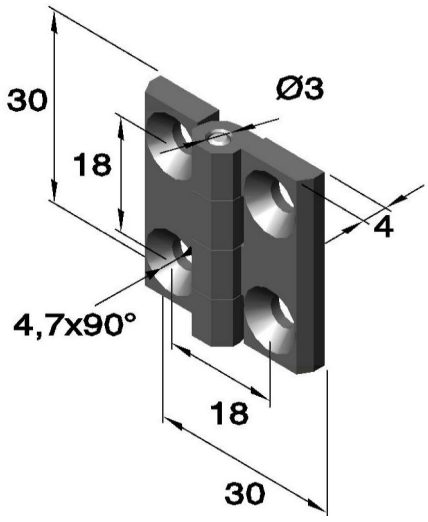


Article no.			
Series	Material		
	Execution	Chrome plated	Black coated
		Zamak	Zamak
4014	.01	.53	.57

Art.no.: 4001 (drilled and countersunk)

with pin in stainless steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated



Article no.			
Series	Material		
	Execution	Chrome plated	Black coated
		Zamak	Zamak
4001	.01	.53	.57

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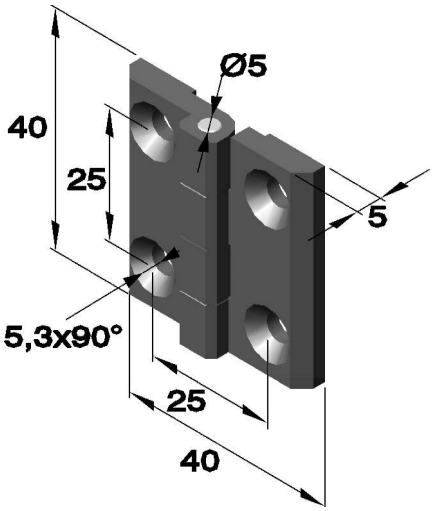
Hinges for vehicle construction and plant engineering

Art.no.: 4001 (drilled and countersunk)
with pin in stainless steel

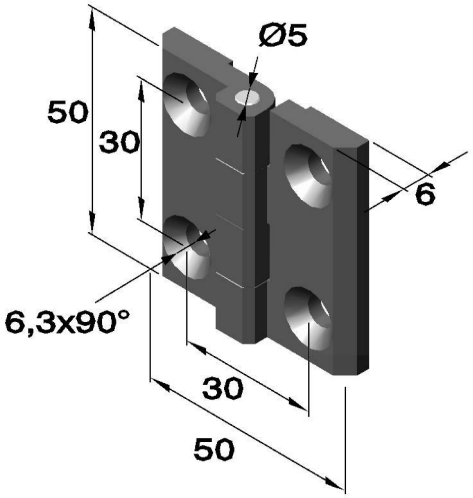
Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated
Stainless steel satin finished
Polyamid raw



Article no.					
Series	Material				
	Execution	Chrome plated	Black coated	Satin finished	Black
		Zamak	Zamak	Stainless steel	Polyamide
4001	.02	.53	.57	.35	.87

Art.no.: 4001 (drilled and countersunk)
with pin in stainless steel

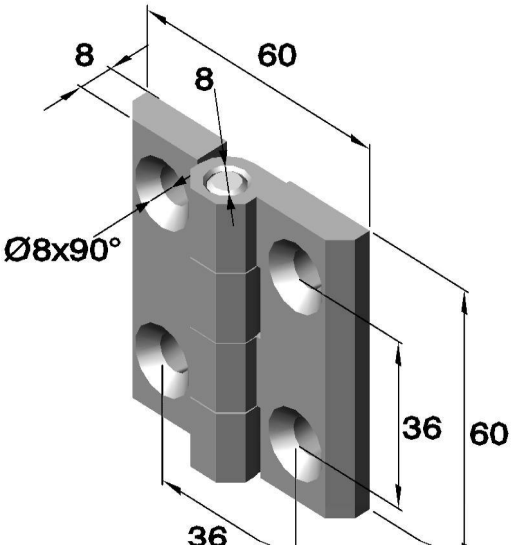
Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated
Stainless steel satin finished
Polyamid raw



Article no.					
Series	Material				
	Execution	Chrome plated	Black coated	Satin finished	Black
		Zamak	Zamak	Stainless steel	Polyamide
4001	.03	.53	.57	.35	.87

Art.no.: 4001 (drilled and countersunk)
with pin in stainless steel

Material and surface:
Stainless steel satin finished



Article no.				
Series	Execution	Material		
		Chrome plated	Black	Satin finished
		Zamak	Zamak	Stainless steel
4001	.04	.53	.57	.35

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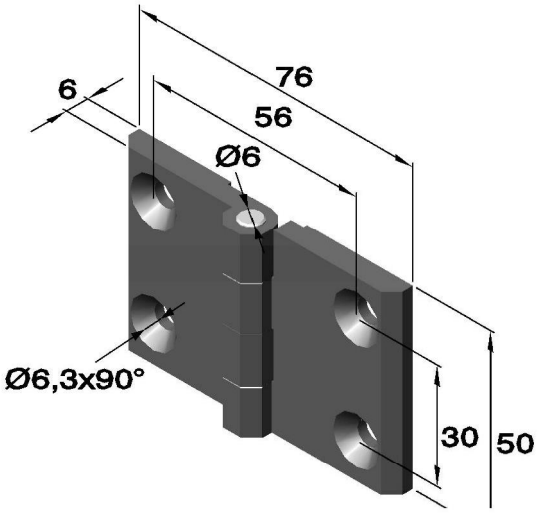
Hinges for vehicle construction and plant engineering

Art.no.: 4011 (drilled and countersunk)
with pin in stainless steel

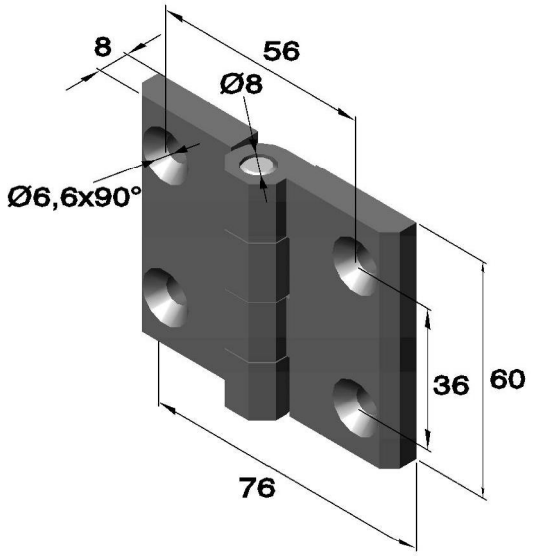
Material und surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coatet
Stainless steel satin finished



Article no.				
Series	Material			
	Execution	Chrome plated	Black coated	Satin finished
		Zamak	Zamak	Stainless steel
4011	.01	.53	.57	.35

Art.no.: HF50 (drilled and countersunk)
with pin in stainless steel

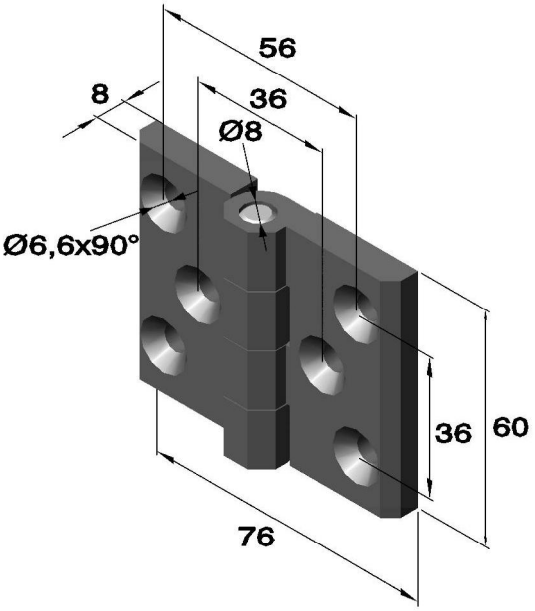
Material and surface:
Zinc diecasting (Zamak) black coated



Article no.	
Series	Material
	Black coated
	Zamak
HF50	EH-T10-1

Art.no.: HF50 (drilled and countersunk)
with pin in stainless steel

Material and surface:
Zinc diecasting (Zamak) black coated



Article no.	
Series	Material
	Black coated
	Zamak
HF50	EH-T13-1

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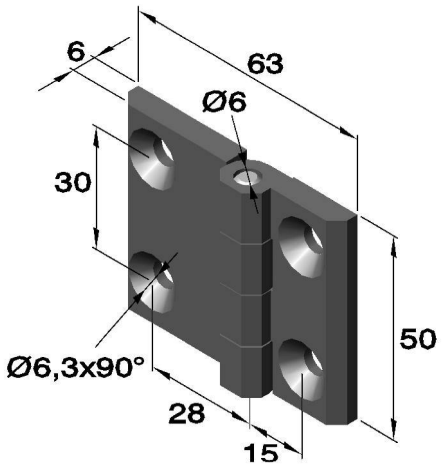
Hinges for vehicle construction and plant engineering

Art.no.: 4013 (drilled and countersunk)

with pin stainless steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated
Stainless steel satin finished

Article no.			
Series	Material		
	Execution	Satin finished	Black coated
		Stainless steel	Zamak
4013	.01	.35	.57



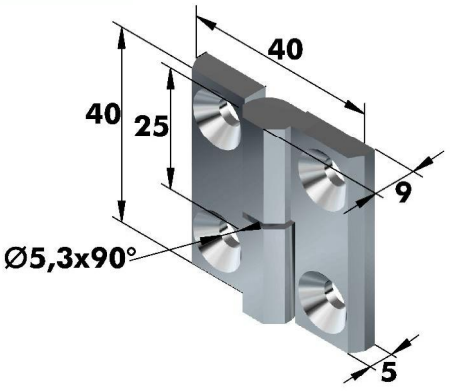
Art.no.: 4101 (perforated and countersunk)

with stainless steel pin

Material and surface:
Zinc diecasting (Zamak) black coated, washer Polyamid black
Stainless steel satin finished, washer stainless steel

Article no.			
Series	Material		
	Execution	Satin finished	Black coated
		Stainless steel	Zamak
4101	.01	.35	.57
4101	.02	.35	.57

Execution **01**



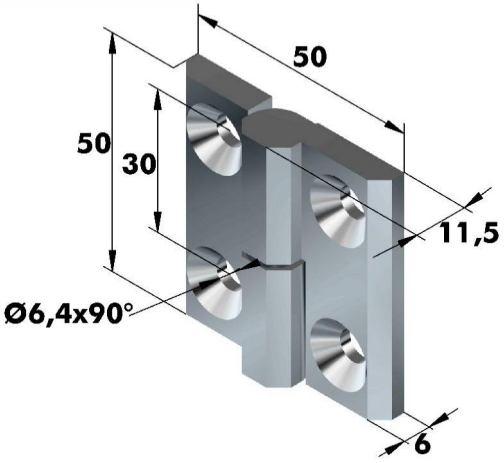
Art.no.: 4102 (perforated and countersunk)

with stainless steel pin

Material and surface:
Zinc diecasting (Zamak) black coated, washer Polyamid black
Stainless steel satin finished, washer Stainless steel

Article no.			
Series	Werkstoff		
	Execution	Satin finished	Black coated
		Stainless steel	Zamak
4102	.01	.35	.57
4102	.02	.35	.57

Execution **.01**



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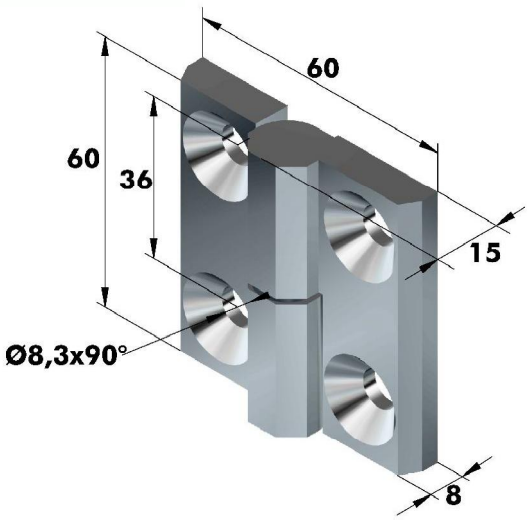
Hinges for vehicle construction and plant engineering

Art.no.: 4103 (perforated and countersunk)
with stainless steel pin

Material and surface:
Zinc diecasting (Zamak) black coated, washer Polyamid black
Stainless steel satin finished, washer stainless steel

Article no.			
Series	Material		
	Execution	Satin finished	Black coated
		Stainless steel	Zamak
4103	.01	.35	.57
4103	.02	.35	.57

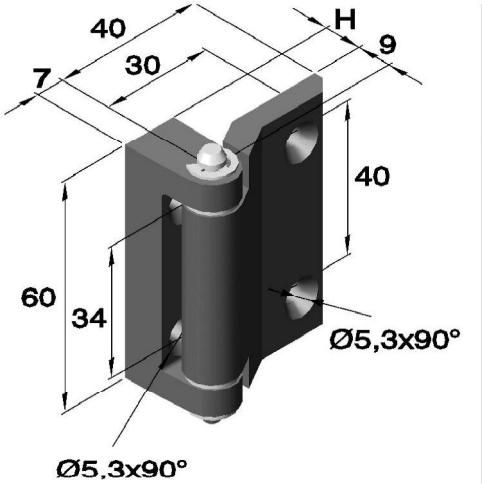
Execution .01



Art.no.: HC90 (drilled and countersunk)
with pin in hardened steel

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated
Stainless steel finished

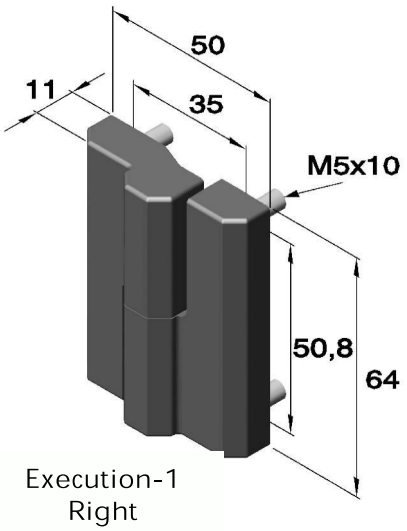
Article no.				Dimensions in mm
Series	Material			
	Chrome plated	Black coated	Satin finished	
	Zamak	Zamak	Stainless steel	H
HC90	ED-T-0	EH-T-0	ES-T-0	0
HC90	ED-T-4	EH-T-4	-	4
HC90	ED-T-6	EH-T-6	-	6
HC90	ED-T-10	EH-T-10	-	10



Art.no.: HF59 (with threaded pins)
with zinc plated pin

Material and sufrace:
Zinc diecasting (Zamak) black coated

Article no.		
Series	Material	Execution
	Black coated	
	Zamak	
HF59	EH-1	Right
HF59	EH-2	Left



Execution-1
Right

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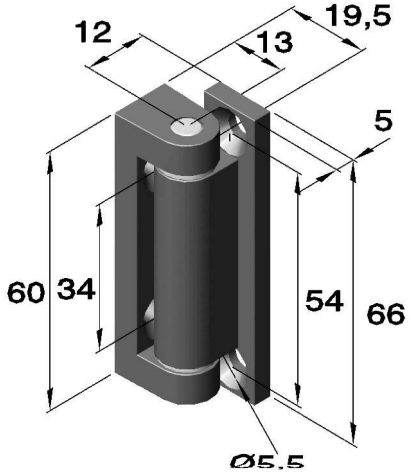
Hinges for vehicle construction and plant engineering

Art.no.: HS40 (drilled and countersunk)

with stainless steel pin

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated

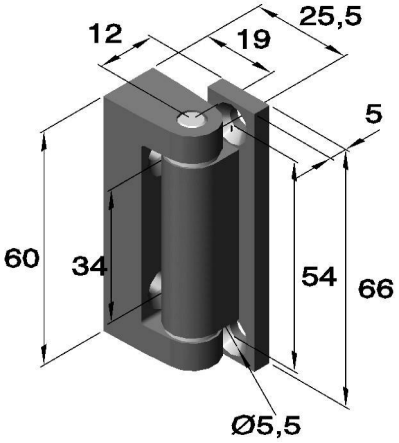


Article no.		
Series	Material	
	Chrome plated	Black coated
	Zamak	Zamak
HS40	ED-19	EH-19

Art.no.: HS40 (drilled and countersunk)

with stainless steel pin

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated

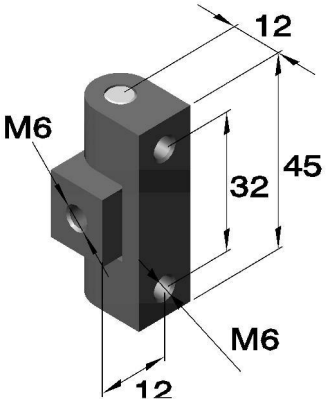


Article no.		
Series	Material	
	Chrome plated	Black coated
	Zamak	Zamak
HS40	ED-25	EH-25

Art.no.: HS50 (with internal thread)

with stainless steel pin

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated



Article no.		
Series	Material	
	Chrome plated	Black coated
	Zamak	Zamak
HS50	ED-1	EH-1

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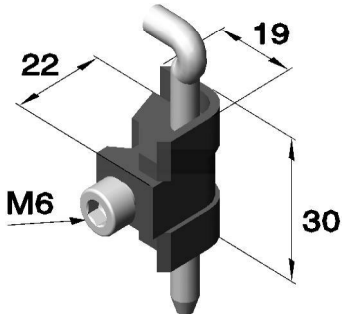
Hinges for vehicle construction and plant engineering

Art.no.: HC10 (with internal thread)

with zinc plated pin

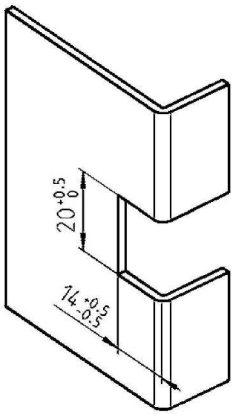
Sheet thickness: 1,5-2,0mm

Material and surface:
Zinc diecasting (Zamak) chrome plated
Zinc diecasting (Zamak) black coated
Stainless steel satin finished



Article no.			
Series	Material		
	Chrome plated	Black coated	satined
	Zamak	Zamak	Zamak
HC10	ED-T20-1	EH-T20-1	ES-T20-1

Sheet metal cutout



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HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Hinges for vehicle construction and plant engineering

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HoKon
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Aluminium hinges

Art.:6087

Art.:6023

Art.:6022

Art.:6848.70

Art.:158.5914

Art.:6876

Art.: 6088

Art.: 6872

Art.: 6871

Art.:158.5314

Art.:158.5414

Art.:158.5814

Art.:158.6117

Art.:158.6117

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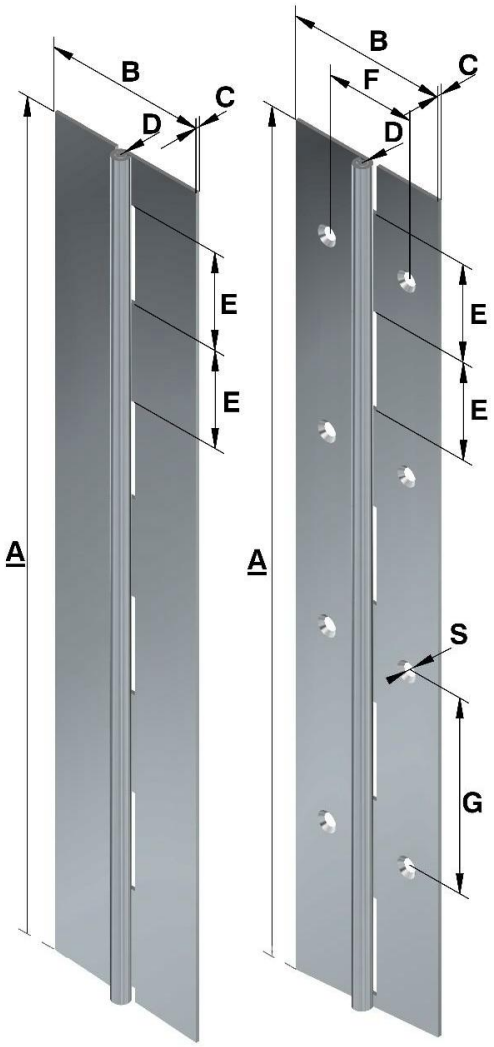
Aluminium hinges

Aluminium piano hinge

rolled

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6716.70	Aluminium	Steel	2000	20	0,6	2,4	15
6725.70	Aluminium	Steel	2000	25	0,8	2	15
6755.70	Aluminium	Aluminium	2000	35	1	3	30
6769.70	Aluminium	Aluminium	2000	40	1,2	3	20
6776.70	Aluminium	Aluminium	2040	40	1,5	6	15
6784.70	Aluminium	Aluminium	2000	50	1,2	3	20
6786.70	Aluminium	Aluminium	2000	50	1,5	4	15
6806.70	Aluminium	Aluminium	2000	60	2	6	30
6820.70	Alu 5754	Aluminium	2000	80	3	6	40

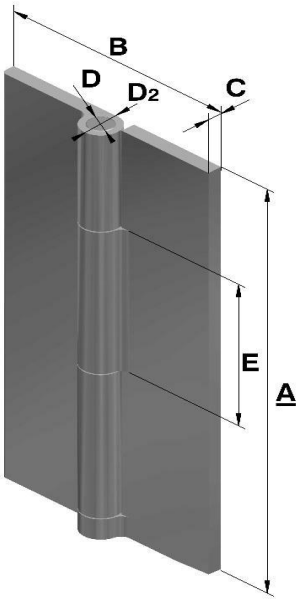


Aluminium profile hinge

Width 50

Art no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6848.70	Alu 6060 T5	Stainless steel	2000	50	3	5,2	35,5

Another length/ drilling on request.



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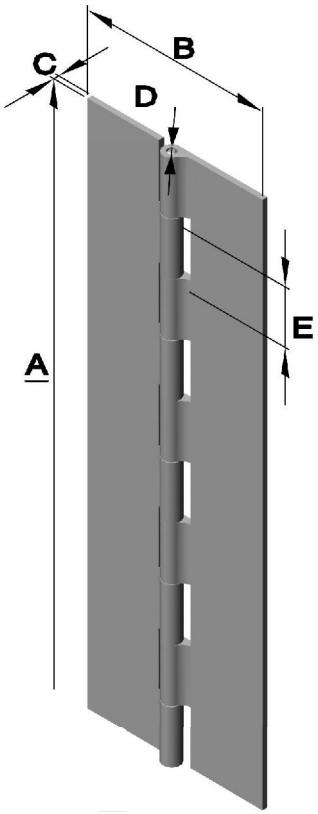
Aluminium hinges

Aluminium profile hinge

Art no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6841.71	Alu 6082 T5	Stainless steel	915	31,75	1,3	2,2	12,7
6849.70	Alu 6082 T5	Stainless steel	1830	31,75	1,3	2,2	12,7
6842.70	Alu 6082 T5	Stainless steel	915	44,45	1,3	2,2	12,7
6843.71	Alu 6082 T5	Stainless steel	1830	44,45	1,3	2,2	12,7
6845.70	Alu 6082 T5	Stainless steel	915	63,5	1,3	2,2	12,7
6847.71	Alu 6082 T5	Stainless steel	1830	63,5	1,3	2,2	12,7

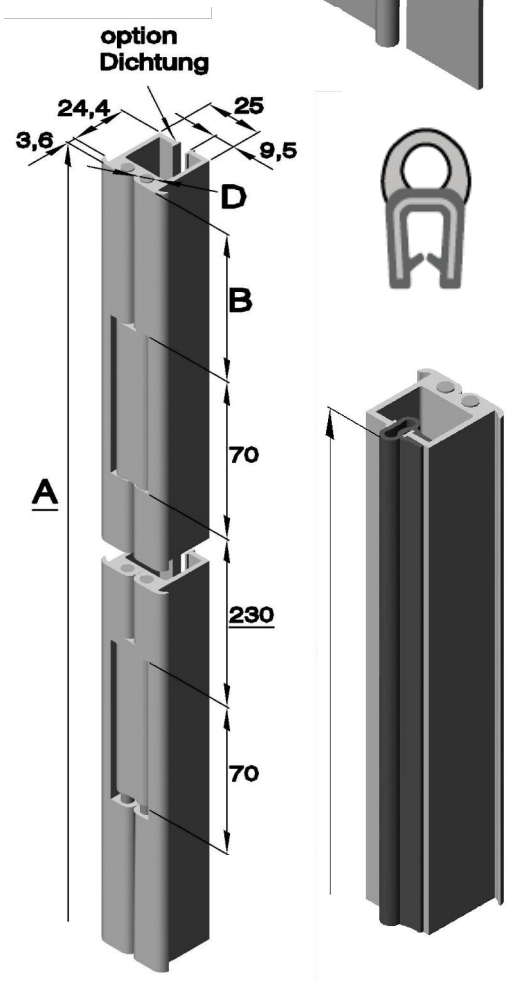


Another length/ drilling on request.

Aluminium profile hinge with double joint

Opening angle 180° (must be ordered separately)

Art no.	Material		Dimension in mm		
	Rod	Pin	A	B	D Pin Ø
6850.70	Alu 6060 T5	Stainless steel	2000	65	5
6851.70	Alu 6060 T5	Stainless steel	2500	15	5
6852.70	Alu 6060 T5	Stainless steel	3000	115	5



Sealing

for hinges with double joint

Art no.	Material	Dimension in mm
		A
6853.D	Rubber black	2000
6854.D	Rubber black	2500
6855.D	Rubber black	3000

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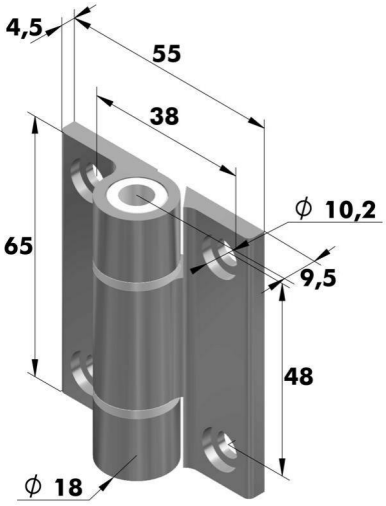
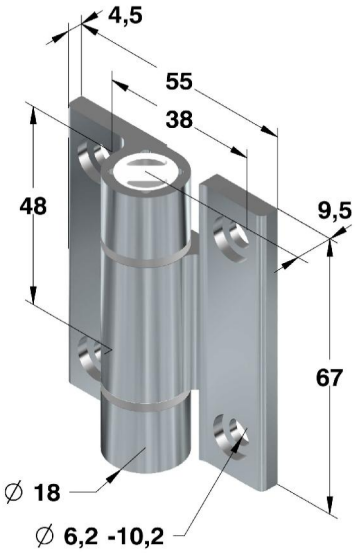
Aluminium hinges

Art.Nr. 6540 (drilled and countersunk)
Cantilevered



Article no.			
Series	Execution	Material	
		Aluminium 6060 T5	
		Silver	Black
6540	.01 without plug	.70	.77
6540	.02 with plug	.70	.77

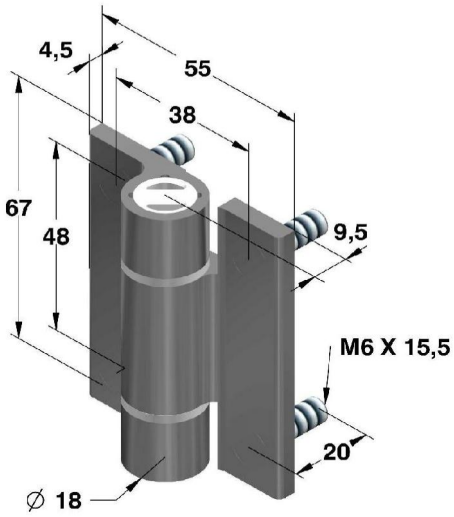
Art no.6872/6873
with integrated spring



Also available as:
Cantilever hinge see chapter "Hinges"
Torque/ detent hinge see chapter "Torque/ detent hinges"

Article no.				Spring force in Nm		
Series	Execution	Material		0°	90°	180°
		Aluminium 6060 T5				
		Silver	Black			
6872	.01 (Opening)	.70	.77	0,23	0,45	0,7
6872	.03 (Closing)	.70	.77	0,23	0,45	0,7
6872	.02 (Opening)	.70	.77	0,12	0,24	0,35
6872	.04 (Closing)	.70	.77	0,12	0,24	0,35
6873	.01 (Opening)	.70	.77	0,9	1,1	1,3
6873	.02 (Closing)	.70	.77	0,9	1,1	1,3

Art.Nr. 6873 (mit Gewindebolzen M6)
with integrated spring



Also available as:
Cantilever hinge see chapter "Hinges"
Torque/ detent hinge see chapter "Torque/ detent hinges"

Article no.				Spring force in Nm		
Series	Execution	Material		0°	90°	180°
		Aluminium 6060 T5				
		Silver	Black			
6873	.04(Opening)	.70	.77	0,23	0,45	0,7
6873	.05(Closing)	.70	.77	0,23	0,45	0,7
6873	.06(Opening)	.70	.77	0,12	0,24	0,35
6873	.07(Closing)	.70	.77	0,12	0,24	0,35
6873	.08(Opening)	.70	.77	0,9	1,1	1,3
6873	.09(Closing)	.70	.77	0,9	1,1	1,3

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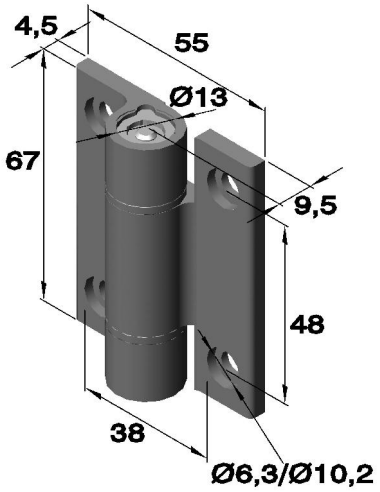
Aluminium hinges

Art.no.:6874 (perforated and countersunk)
Detent hinge

Detent positions all 30° from 0° to 270°.
Also available with 3 different detent moments.

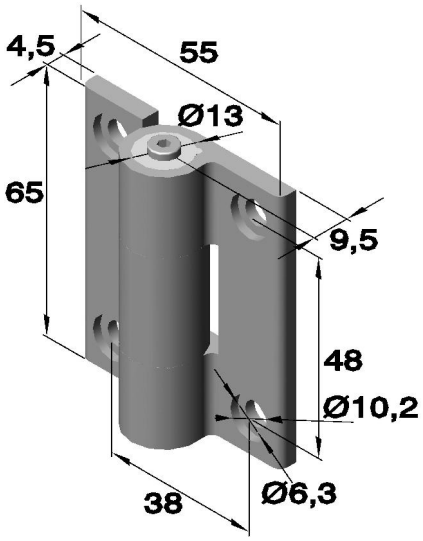


Article no.			
Series	Execution	Material Black Alu 6060 T5	Detent moment
6874	.01	.77	1,8 Nm
6874	.02	.77	2,5 Nm
6874	.03	.77	3,2 Nm
6874	.04	.77	5,0 Nm

Art.no.:6871 (perforated and countersunk)
Torque hinge

Holding torque: 0 - 5 Nm max.
Adjusting screw: internal hex 4
Temperature stability: -20 °C - + 80 °C

Max. tensile strength: 6000 N
Max. shear strength: 5000 N

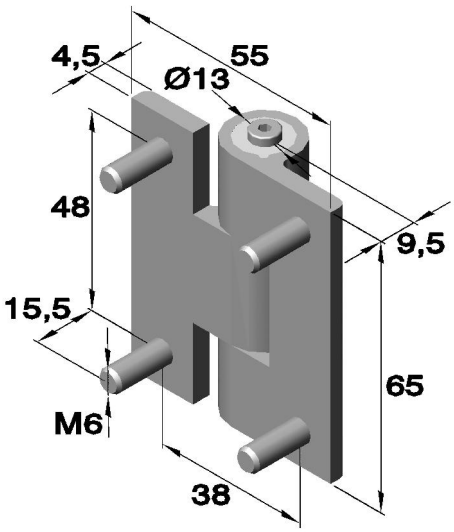


Article no.			
Series	Execution	Material Colorless Alu 6060 T5	Material Black Alu 6060 T5
6871	.04	.70	.77

Art.no.:6871
Torque hinge

Holding torque: 0 - 5 Nm max.
Adjusting screw: internal hex 4
Temperature stability: -20 °C - + 80 °C

Max. tensile strength: 6000 N
Max. shear strength: 5000 N



Article no.			
Series	Execution	Material Raw Alu 6060 T5	Material Black Alu 6060 T5
6871	.05	.70	.77

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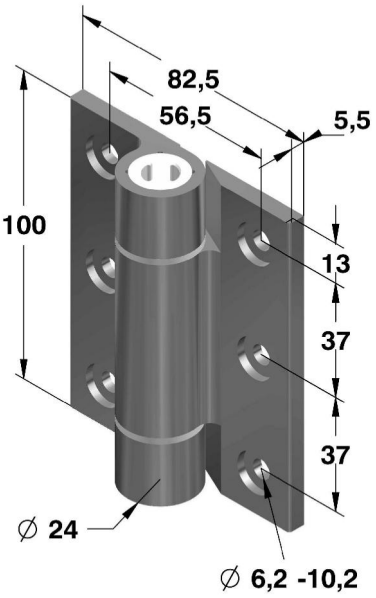
Aluminium hinges

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art.no. 6876 (drilled and countersunk)
Cantilevered hinge

Article no.			
Series	Execution	Material	
		Aluminium 6060 T5	
		Silver	Black
6876	.08	.71	-
876	.09	-	.77



Art.no. 6876 (drilled and countersunk)
with integrated spring

Article no.				Spring force in Nm		
Series	Execution	Material		0°	90°	180°
		Aluminium 6060 T5				
		Silver	Black			
6876	.01	.70.	.77	2,4	3,1	3,8
6876	.02	.70	.77	2,4	3,1	3,8

Art.no. 6876 (drilled and countersunk)
Soft-closing torque hinge

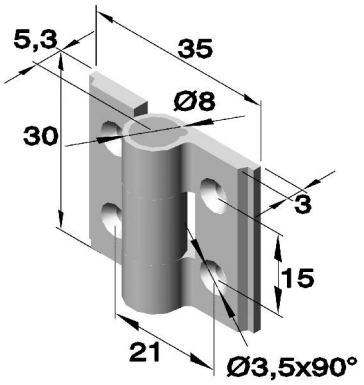
Opens and closes steamed.
Function ensures to 115°
Torque per couple: 2,5 to 4,5 Nm

Article no.		
Series	Execution	Material
		Anodized colorless
		Aluminium 6060 T5
6876	.06	.71

Art no.:6960 (perforated and countersunk)
Spring hinge

with integrated spring

Article no.				Spring force in Nm		
Series	Execution	Material		0°	90°	180°
		Colorless	Black			
		Alu 6060 T5	Alu 6060 T5			
6960	.01	.71	.77	0,2	0,12	0,07



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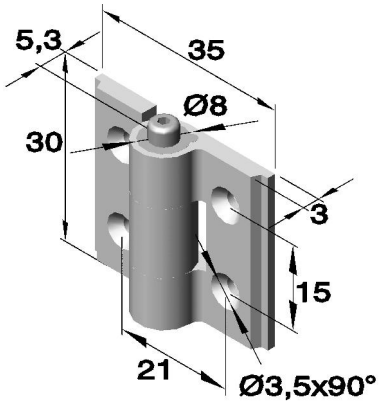
Aluminium hinges

Art no.:6871 (perforated and countersunk)

Adjusting screw: internal hex 2,5
Temperature stability: -20 °C to + 80 °C

Max. tensile strength: 2240 N
Max. shear strength: 1050 N

Article no.				
Series	Execution	Material		
		Raw	Colorless	Black
		Alu 6060 T5	Alu 6060 T5	Alu 6060 T5
6871	.01	.70	-	.77
6871	.02	-	.70	-

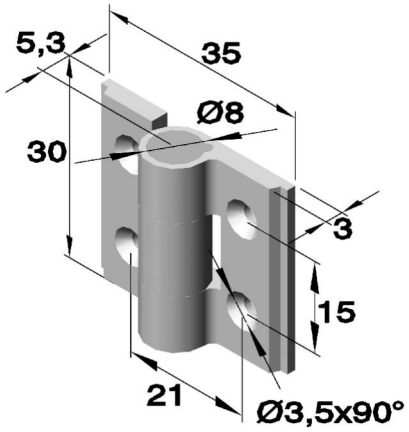


Art.no.:6871 (perforated and countersunk)

Detent positions all 30° from 0° to 270°

Detent moment is not adjustable.

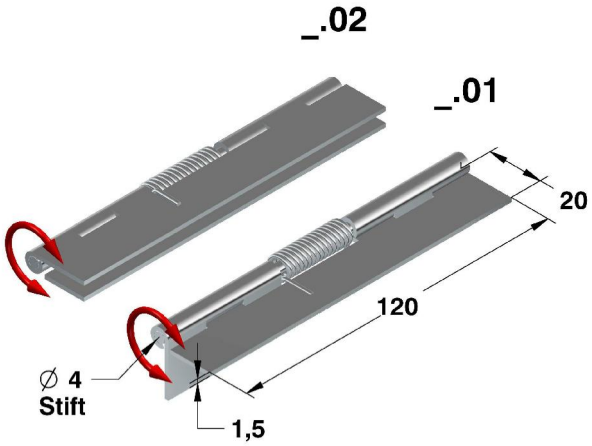
Article no.			
Series	Execution	Material	
		Anodized colorless	Anodized black
		Alu 6060 T5	Alu 6060 T5
6871	.06	.71	.77



Art. no.: 6164

Tension spring made of stainless steel.

Article no.					Elastic force in g		
Series	Execution	Material			0°	90°	180°
		Raw					
		Steel	Stainless steel	Alu 5754			
6164	.01	.00	.30	.70	60	300	600
6164	.02	.00	.30	.70	60	300	600



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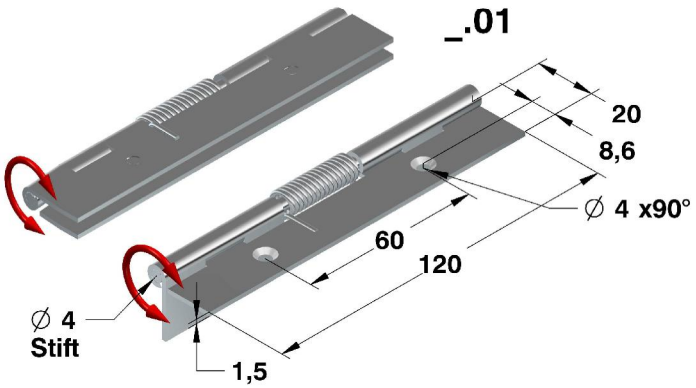
Aluminium hinges

Art. no.: 6164. __ /G (drilled and countersunk)

Tension spring made of stainless steel.

Article no.					Elastic force in g		
Series	Execution	Material			0°	90°	180°
		Zinc plated	Raw				
		Steel	Stainless steel	Alu 5754			
6164	.01	.04/G	.30/G	.70/G	60	300	600
6164	.02	.04/G	.30/G	.70/G	60	300	600

_.02

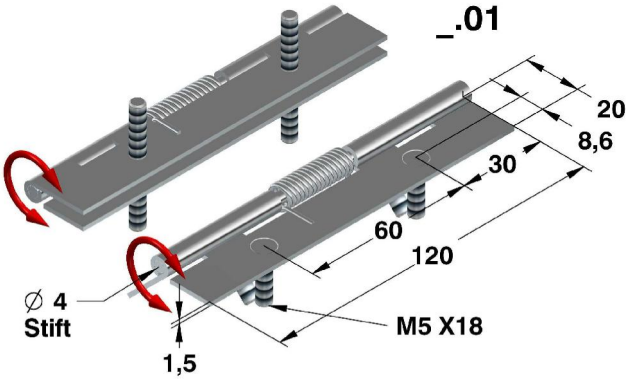


Art. no.: 6164 (with thread bolt M5)

Tension spring made of stainless steel.

Article no.					Elastic force in g		
Series	Execution	Material			0°	90°	180°
		Raw					
		Steel	Stainless steel	Alu 5754			
6164	.03	.00	.30	.70	60	300	600
6164	.04	.00	.30	.70	60	300	600

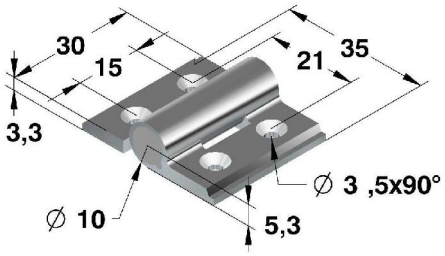
_.02



Art.no. 6960 (drilled and countersunk)

with integrated spring

<u>also available as:</u>
Torque hinge see chapter „Torque hinge"
Detent hinge see chapter „Detent hinge"



Article no.				Elastic force in N.m		
Series	Execution	Material		0°	90°	180°
		Alu 6060 T5				
		Colorless	Black			
6960	.01(opening)	.71	.77	0,07	0,12	0,2
6960	.02(closing)	.71	.77	0,07	0,12	0,2

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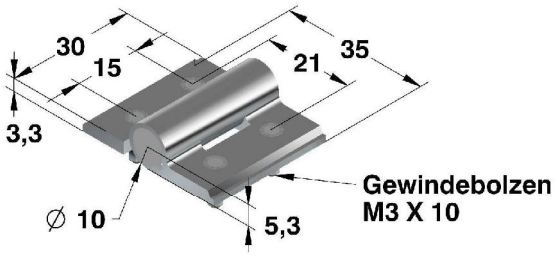
Aluminium hinges

Art.no. 6960 (with thread bolt M3)

with intergrated spring

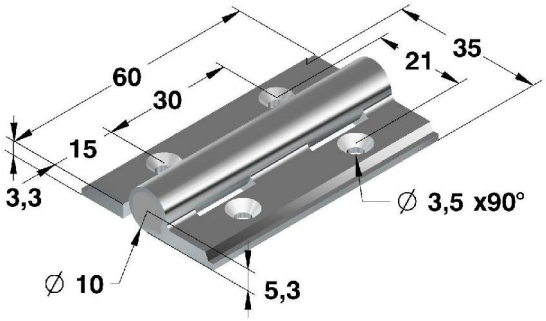
<u>also available as:</u>
Torque hinge see chapter „Torque hinge"
Detent hinge see chapter „Detent hinge"



Artikel no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6960	.03(opening)	.71	.77	0,07	0,12	0,2
6960	.04(closing)	.71	.77	0,07	0,12	0,2

Art.no.6896 (drilled and countersunk)

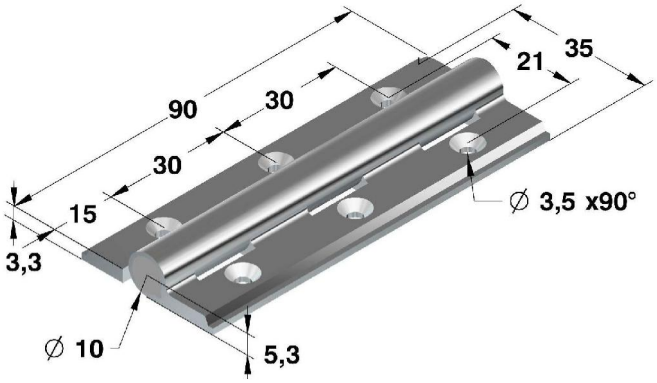
with intergrated spring



Article no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6896	.01 (opening)	.71	.77	0,16	0,3	0,5

Art.no.6897 (drilled and countersunk)

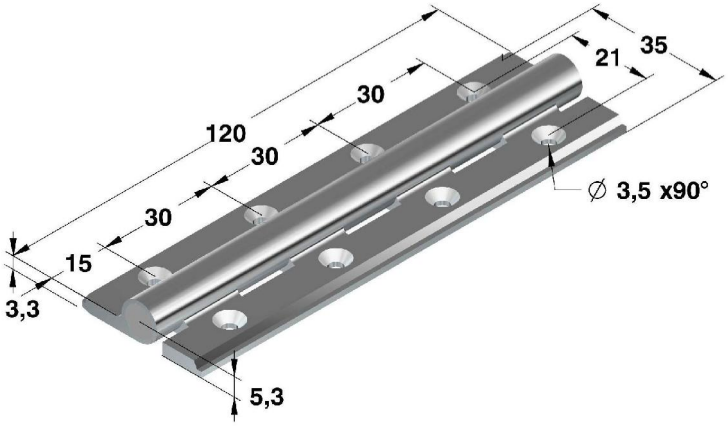
with intergrated spring



Article no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6897	.01 (opening)	.71	.77	0,3	0,5	0,7

Art.no.6898 (drilled and countersunk)

with intergrated spring



Article no.				Elastic force in N.m		
Series	Execution	Material				
		Alu 6060 T5		0°	90°	180°
		Colorless	Black			
6898	.01 (opening)	.71	.77	0,4	0,7	0,9

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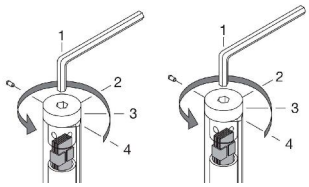
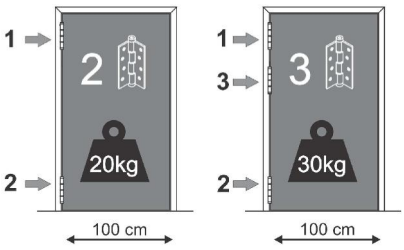
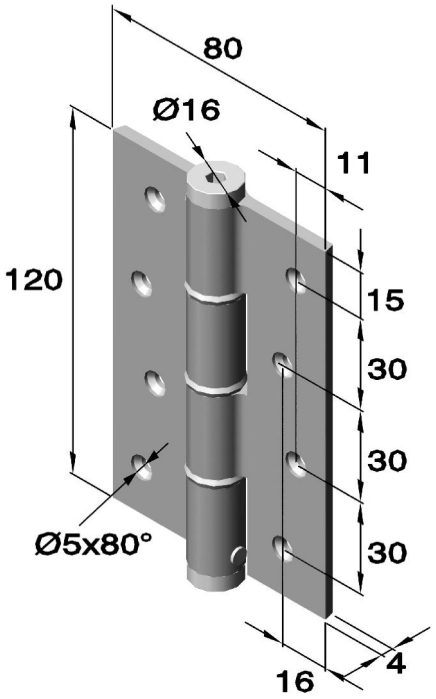
Aluminium hinges

Art no. 158. 5314.__.__ (spring force adjustable)

with integrated spring





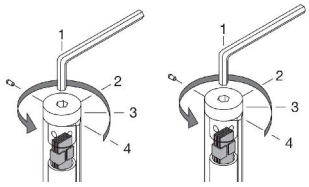


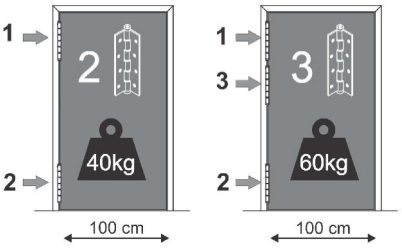
Article no.			Load in kg	
Series	Material		for 2 hinges	for 3 hinges
	Aluminium	Anodized		
158.5314.01	.71	Silver	20	30
158.5314.02	.72	Gold	20	30
158.5314.03	.73	Bronce	20	30
158.5314.06	.76	White	20	30
158.5314.09	.77	Black	20	30

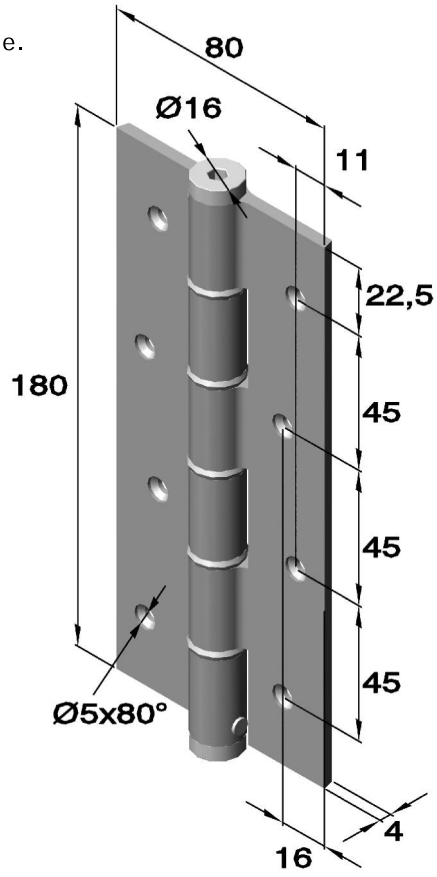
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

Art no. 158. 5814.__.__ (spring force adjustable)

with integrated spring







Article no.			Load in kg	
Series	Material		for 2 hinge	for 3 hinge
	Aluminium	Anodized		
158.5814.01	.71	Silver	40	60
158.5814.02	.72	Gold	40	60
158.5814.03	.73	Bronce	40	60
158.5814.06	.76	White	40	60
158.5814.09	.77	Black	40	60

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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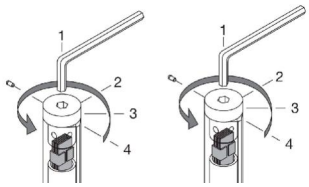
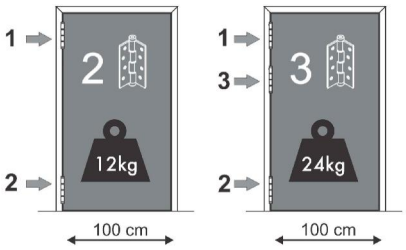
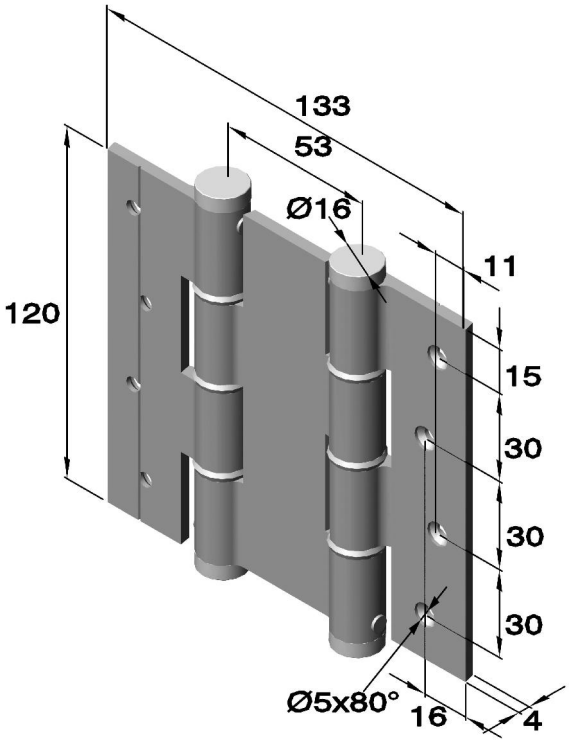
Aluminium hinges

Art no. 158. 5414.__.__ (spring force adjustable)

Double joint hinge/swing door hinge
with integrated spring





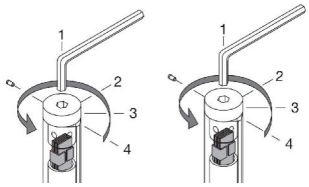


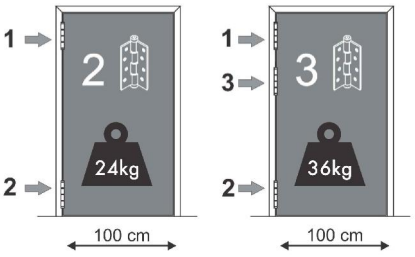
Article no.			Load in kg	
Series	Material		for 2 hinge	for 3 hinge
	Aluminium	Anodized		
158.5414.01	.71	Silver	12	24
158.5414.02	.72	Gold	12	24
158.5414.03	.73	Bronce	12	24
158.5414.06	.76	White	12	24
158.5414.09	.77	Black	12	24

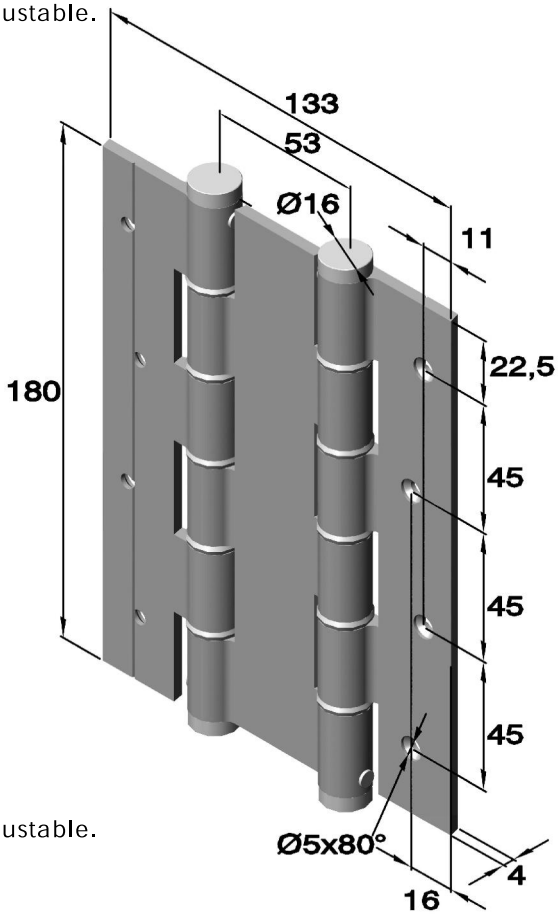
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

Art no. 158. 5914.__.__ (spring force adjustable)

double joint hinge/swing door hinge
with integrated spring







Article no.			Load in kg	
Series	Material		for 2 hinge	for 3 hinge
	Aluminium	Anodized		
158.5914.01	.71	Silver	24	36
158.5914.02	.72	Gold	24	36
158.5914.03	.73	Bronce	24	36
158.5914.06	.76	White	24	36
158.5914.09	.77	Black	24	36

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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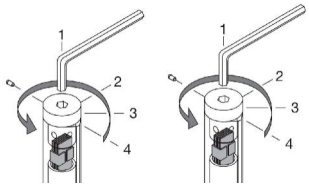
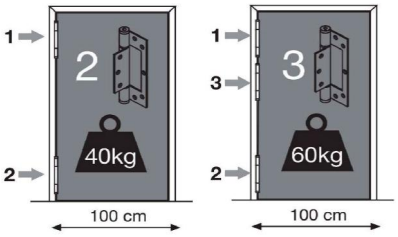
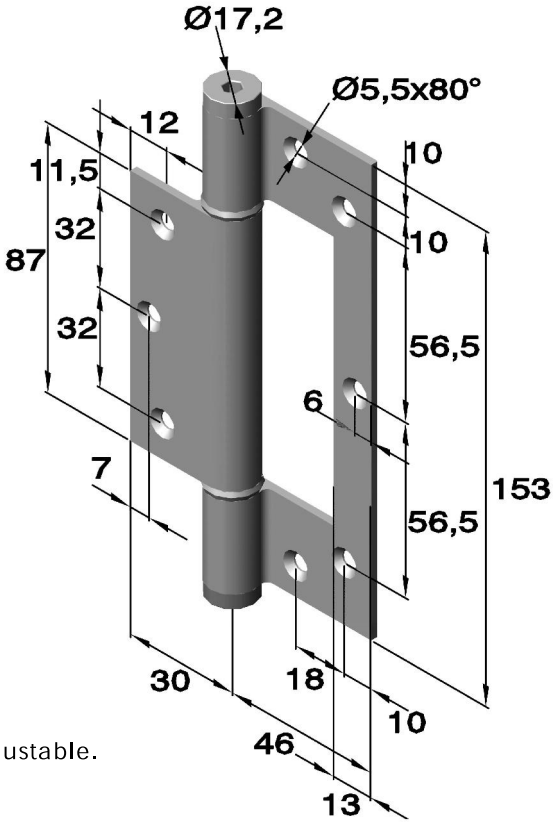
Aluminium hinges

Art no. 158. 6314.__.__ (spring force adjustable)

with integrated spring





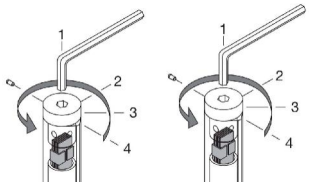


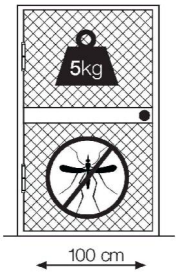
Article no.			Load in kg	
Series	Material		for 2 hinge	for 3 hinge
	Aluminium	Anodized		
158.6314.01	.71	Silver	40	60
158.6314.02	.72	Gold	40	60
158.6314.03	.73	Bronce	40	60
158.6314.06	.76	White	40	60
158.6314.09	.77	Black	40	60

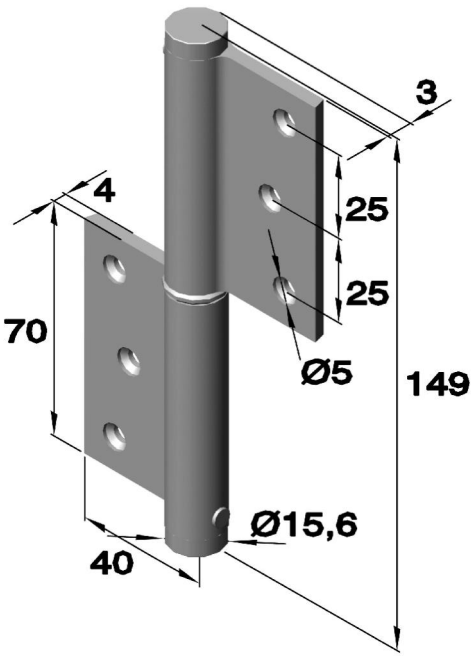
This product will be delivered.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperuture angle 180°.

Art no. 158. 6717.__.__ (spring force adjustable)

with integrated spring







Article no.		
Series	Material	
	Aluminium	Anodized
158.6717.01	.71	Silver
158.6717.02	.72	Gold
158.6717.03	.73	Bronce
158.6717.06	.76	White
158.6717.09	.77	Black

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough adjustable.
Max. aperture angle 180°.

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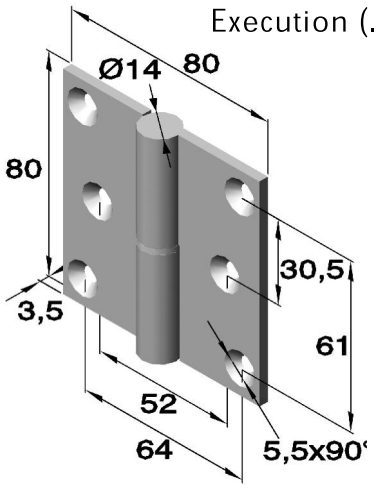
Aluminium hinges

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art.no: 6085 (perforated and countersunk)
with fixed, Zinc plated steel bolt and nylon coating

Execution (.01)

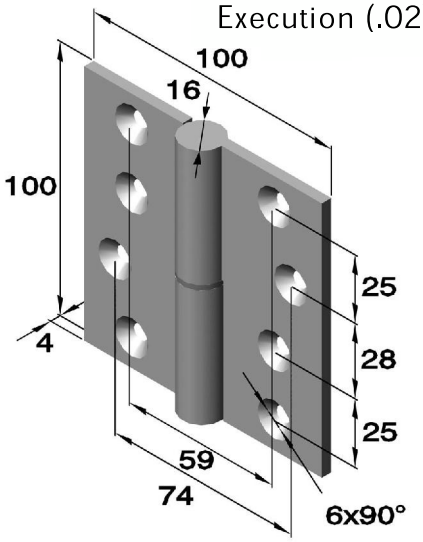


Pin diameter 8mm.

Article no.			
Series	Execution		Material
			Aluminium
	Left	Right	Anodized
6085	.01	.02	.70

Art.no: 6087 (perforated and countersunk)
with fixed, Zinc plated steel bolt and nylon coating

Execution (.02)

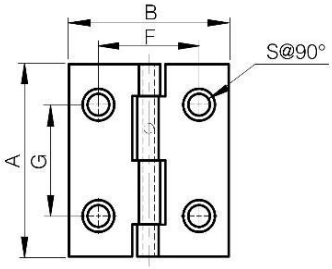


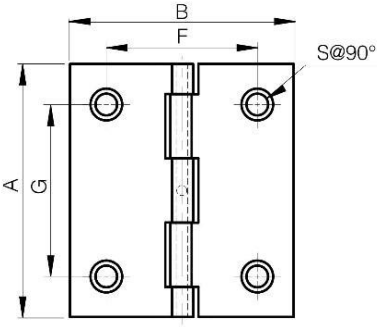
Pin diameter 9mm.

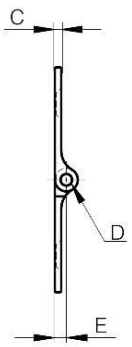
Article no.			
Series	Execution		Material
			Aluminium
	Left	Right	Anodized
6087	.01	.02	.70

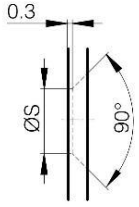
Art.no.: 6215 (perforated and countersunk)

Article no.			Dimensions in mm							
Series	Execution	Material	A	B	C	D	E	F	G	S
		Aluminium 6082 T5								
		Anodized								
6215	.01	.71	38	31.75	1.3	2.29	2.29	20	22	4.3
6215	.02	.71	50	44.45	1.3	2.29	2.29	30	34	4.3
6215	.03	.71	63.5	63.5	1.3	2.29	2.29	40	40	6









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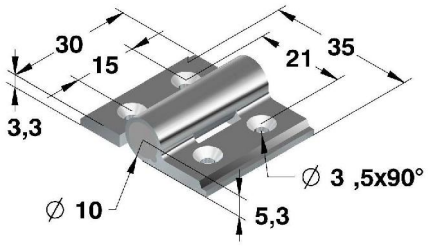
Aluminium hinges

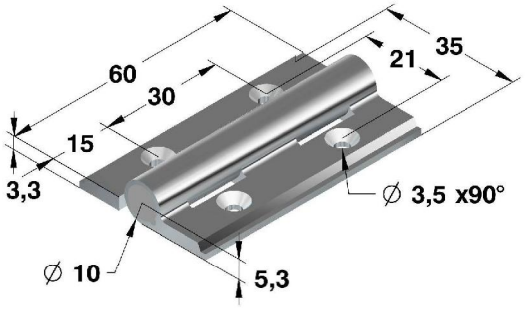
Art.no.: 6216 (perforated and countersunk)

Article no.				Dimensions in mm			
Series	Execution	Material Aluminium 6060 T5 Anodized		A	B	C	D
		Colourless	Black				
6216	.01	.71	.77	30	35	3.3	8



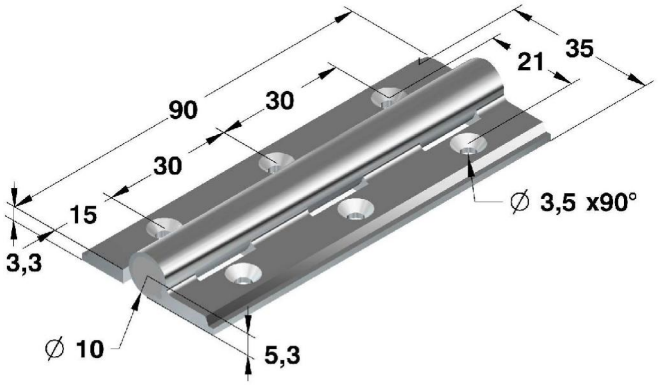
Art.no.: 6216 (drilled and countersunk)

Article no.				Pin Ø
Series	Execution	Material Aluminium 6060 T5 anodized		
		Colorless	Black	
6216	.02	.71	.77	8



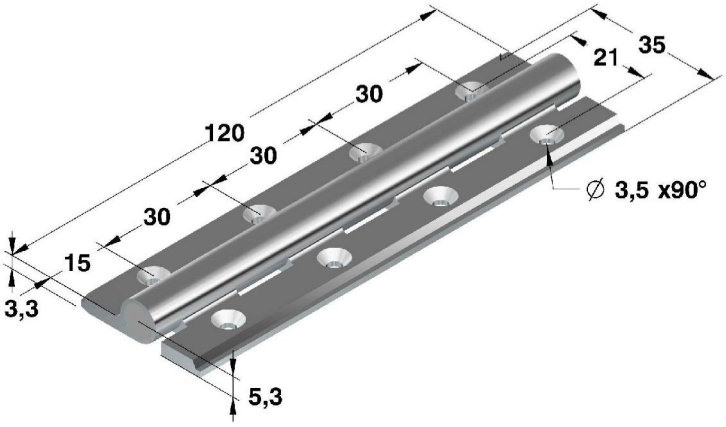
Art.no.: 6216 (drilled and countersunk)

Article no.				Pin Ø
Series	Execution	Material Aluminium 6060 T5 anodized		
		Colorless	Black	
6216	.03	.71	.77	8



Art.no.: 6216 (drilled and countersunk)

Article no.				Pin Ø
Series	Execution	Material Aluminium 6060 T5 anodized		
		Colorless	Black	
6216	.04	.71	.77	8



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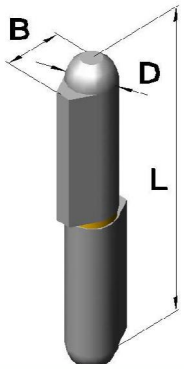
Aluminium hinges

Weld on hinge-rolls „ABR “ with round ends

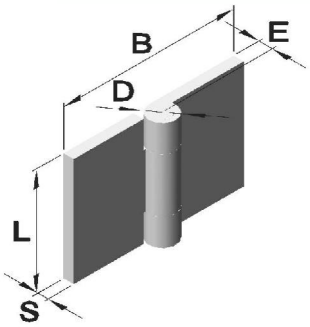
FVS with fixed stainless-steel pin and brass intermediate ring.
AVS with extractable stainless-steel pin and brass intermediate ring.



Article no.					Dimensions in mm			
Series	L	Execution		Material Aluminium	D	B	d	Load capacity ca. in kg
ABR	60	FVS	AVS	.70	10	12	6	50
ABR	80	FVS	AVS	.70	13	16	8	70
ABR	100	FVS	-	.70	16	20	10	100
ABR	120	FVS	AVS	.70	16	20	10	120
ABR	150	FVS	-	.70	20	25,5	13	150
ABR	180	FVS	-	.70	20	25,5	13	170

Art.no.:6022

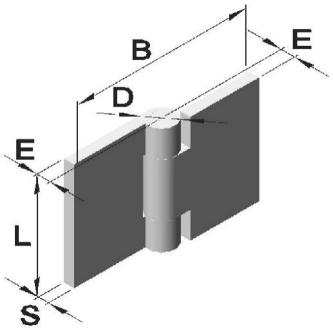
with riveted stainless-steel pin; drilling on request



Article no.			Dimension in mm									
Series	Execution	Material Raw Aluminium	L	B	C Ø	D	E	F	f	G	S	Pin Ø
6022	.01	.70	32	50	-	8	4	-	-	-	3	5,2
6022	.02	.70	50	50	-	8	4	-	-	-	3	5,2
6022	.03	.70	32	50	3,2	8	4	30	-	20	3	5,2

Art.no.:6023

with riveted stainless-steel pin; drilling on request



Article no.			Dimension in mm					
Series	Execution	Material Raw Aluminium	L	B	D	E	S	Pin Ø
6023	.01	.70	32	50	8	4	3	5,2
6023	.02	.70	50	50	8	4	3	5,2

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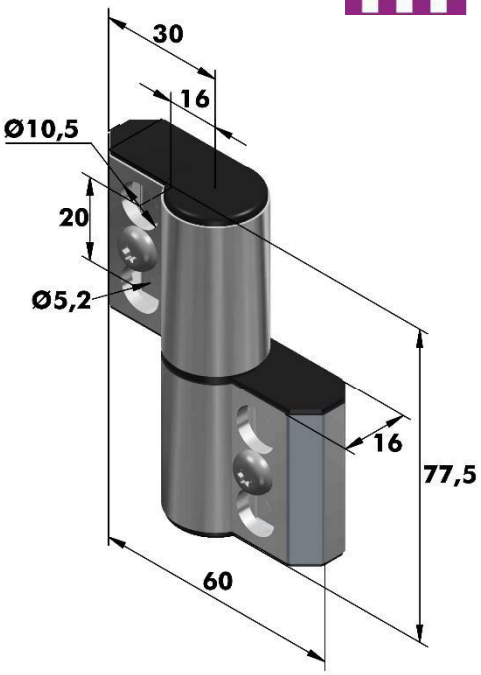
Aluminium hinges

Art.no: 6198

with constant torque
Friction in one direction only.

Operating temperature: 0°C~ 50°C
Torque will decrease at low temperature.

Not suited to vibration enviroment.



Sold in pairs.

Article no.			
Series	Execution	Material Anodized Aluminium	Torque in Nm/Pair
6198	.01	.70	9
6198	.02	.70	9

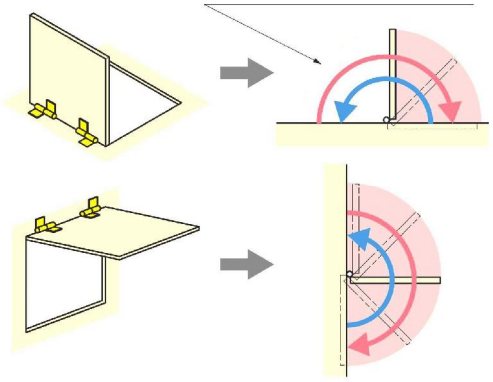
Shaft made of stainless steel; Covers made of „POM"

Torque and free stop range

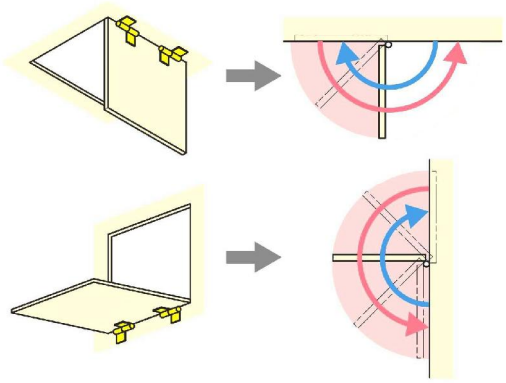
Free direction Torque direction Free stop range

6198.01.70

Range where torque is not effective, install stopper to hold the door.



6198.02.70



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Aluminium hinges

Art. no.: 150.HG-CSH63 (perforated)

With constant torque and detent funtion.

Detent at both 0 ° and 100 °.

Torque not adjustable.

Also available as:
Free running hinge see chapter „hinges"

Type 1

Type 2

Type 3

Article no.			
Series	Execution	Material Anodized Aluminium	Torque in Nm
150.HG-CSH63	1	.71	Without damper
150.HG-CSH63	AM2	.71	1~1.7
150.HG-CSH63	AH2	.71	1.7~2.5
150.HG-CSH63	BM3	.71	1~1.7
150.HG-CSH63	BH3	.71	1.7~2.5

Fig. A (Correct installation)

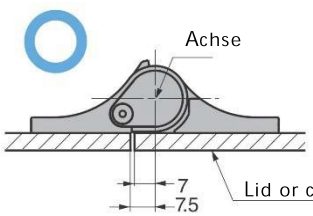
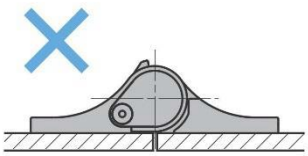
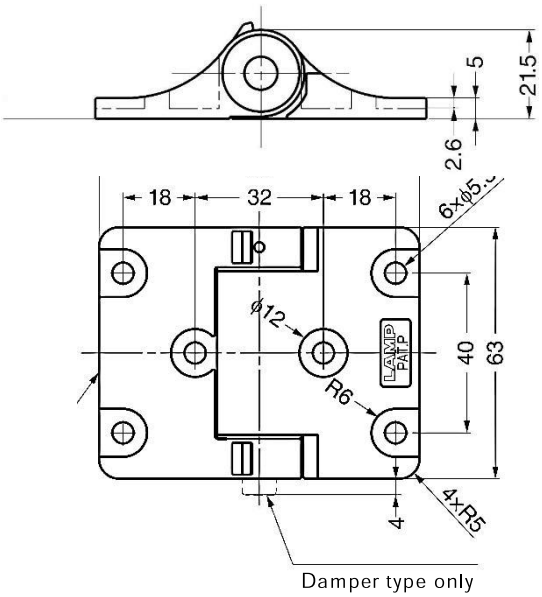


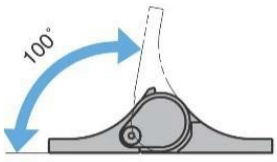
Fig. B (Wrong instaaltion)



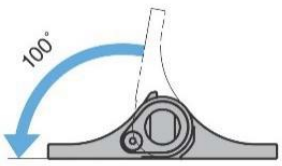
As shown in „Fig. A" shift the axis of hinge and the edge of lid or cabinet.



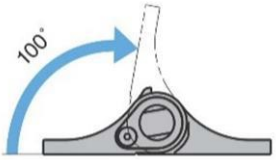
Type 1
Without damper



Type 2
With damper



Type 3
With damper



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Aluminium hinges

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Cranked hinges

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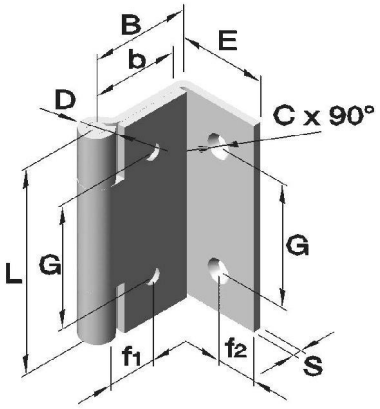
Cranked hinges

Art.no.:6030 (drilled and countersunk)

with strength stainless steel pin

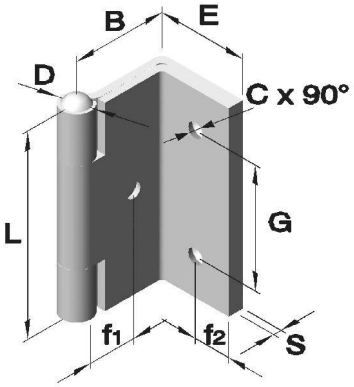
Article no.			Dimensions in mm										
Series	Execution	Material Chrome plated Brass	L	B	b	C Ø	D	E	f1	f2	G	S	Pin Ø
6030	.01	.23	38	18,5	16,5	4	6	16,5	9	7	23	1,5	3



Art.no.:6031 (drilled and countersunk)

with strength stainless steel pin

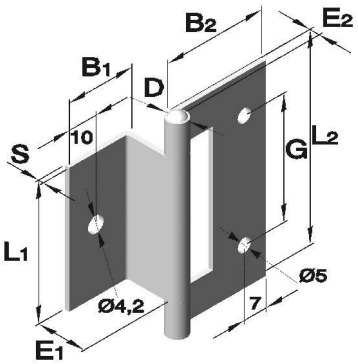
Article no.			Dimensions in mm									
Series	Execution	Material Chrome plated Brass	L	B	C Ø	D	E	f1	f2	G	S	Pin Ø
6031	.01	.23	38	18,5	4	6	16,5	9	7	23	1,5	3



Art.no.:6031 (drilled)

with strength stainless steel pin

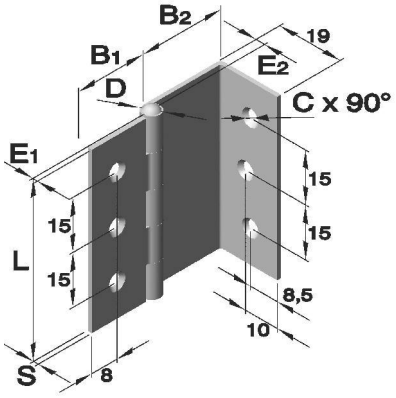
Article no.			Dimensions in mm									
Series	Execution	Material Shiny Stainless steel	L1	L2	B1	B2	D	E1	E2	G	S	Pin Ø
6031	.02	.35	40	60	21,5	30	6	14,5	3	36	1,5	3



Art.no.:6032 (drilled and countersunk)

with strength stainless steel pin

Article no.			Dimensions in mm								
Series	Execution	Material Polished Stainless steel	L	B1	B2	C Ø	D	E1	E2	S	Pin Ø
6032	.01	.30	50	20,3	24,5	4,8	5,4	1,5	2,7	1,2	3



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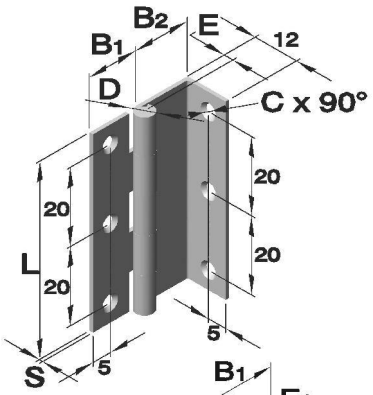
Cranked hinges

Art.no.:6033 (drilled and countersunk)

with strength stainless steel pin

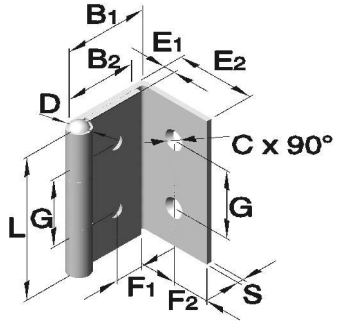
Article no.			Dimensions in mm							
Series	Execution	Material: Shiny / Stainless steel	L	B	B2	C Ø	D	E	S	Pin Ø
6033	.01	.30	50	13,5	15	4	5	2.5	1	3



Art.no.:6034 (drilled and countersunk)

with pull-out stainless-steel pin

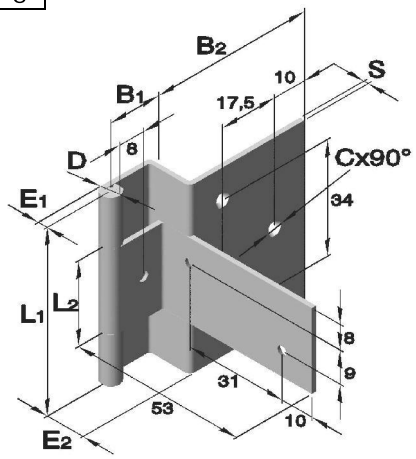
Article no.				Dimensions in mm											
Series	Execution	Material: Chrome plated	Material: Burnished	L	B1	B2	C Ø	D	E1	E2	F1	F2	G	S	Pin Ø
		Stainless steel													
6034	.01	.03	.07	38	22,5	19	4,7	6	4	21	7,5	10	18	1,5	3
6034	.02	.03	-	38	23	19	4	6	3,5	17	7	8	26	1,5	3
6034	.03	.03	-	38	24,5	19	4,7	6	4	19	7,5	10	18	1,5	3



Art.no.:6035 (drilled and countersunk)

with pull out pin

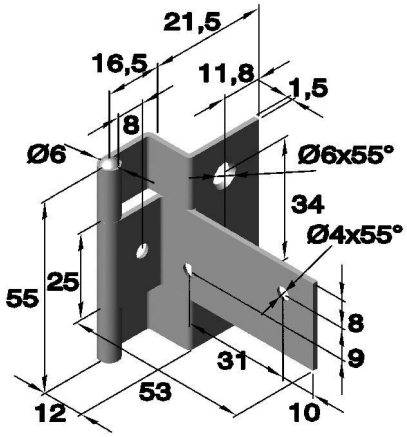
Article no.			Dimensions in mm									
Series	Execution	Material: Chrome plated / Steel	L1	L2	B1	B2	C Ø	D	E1	E2	S	Pin Ø
6035	.02	.03	55	25	16,5	37,5	4,75	6	3	12	1,5	3



Art.no.:6037 (drilled and countersunk)

with pull out pin

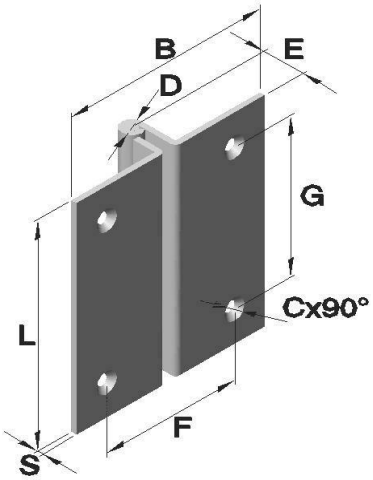
Article no.			
Series	Execution	Material: Brassed / Steel	Material: Nickel / Steel
6037	.01	.02	03



Cranked hinges

Art.no.:6037 (drilled and countersunk)

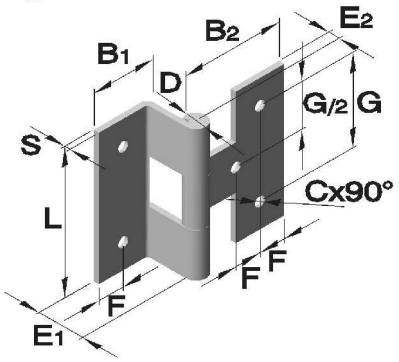
with pull out pin;



Article no.			Dimensions in mm								
Series	Execution	Material: Zinc plated / Steel	L	B	C Ø	D	E	F	G	S	Pin Ø
6037	.03	.04	60	56	5	6	10	38	42	1,5	3

Art.no.:6038 (drilled and countersunk)

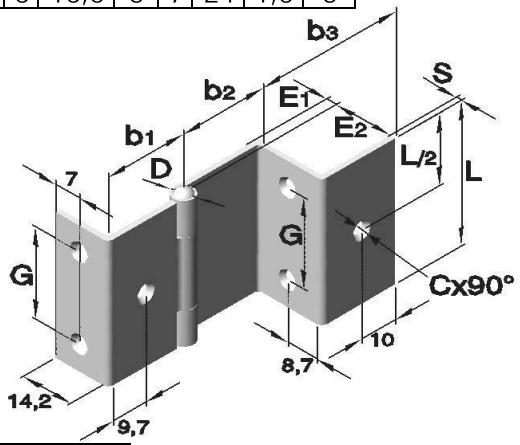
with strength stainless steel pin;



Article no.		Material				Dimensions in mm										
Series	Execution	Nickel	Chrome plated	Burnished	Raw	L	B1	B2	C Ø	D	E1	E2	F	G	S	Pin Ø
		Steel	Steel	Steel	Stainless steel											
6038	.01	.01	.03	.07	-	38	17	27	2,8	6	12,5	3	7	24	1,5	3
6038	.02	-	.03	-	-	38	17	27	2,8	6	8,5	3	7	24	1,5	3
6038	.03	-	-	-	.30	38	17	31	2,8	6	16,5	3	7	24	1,5	3

Art.no.:6041 (drilled and countersunk)

with pull out pin



Article no.		Material		Dimensions in mm										
Series	Execution	Chrome plated	Burnished	L	b1	b2	b3	C Ø	D	E1	E2	G	S	Pin Ø
		Steel	Steel											
6041	.01	.03	.07	38	22,5	24	22	5,5	6	3	16	24	1,5	3

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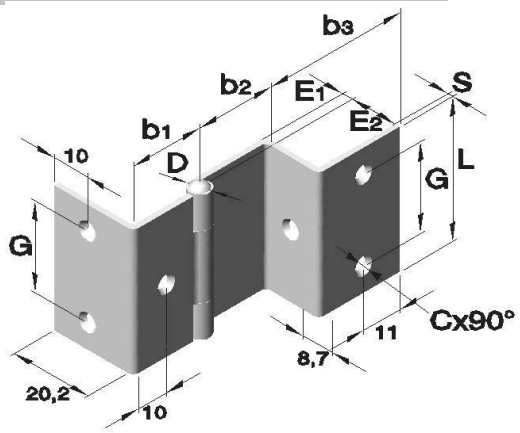
Cranked hinges

Art.no.: 6042 (drilled and countersunk)

with pull out pin



Article no.			Dimensions in mm										
Series	Execution	Material Chrome plated Steel	L	b1	b2	b3	C Ø	D	E1	E2	G	S	Pin Ø
6042	.01	.03	38	20	21,5	24,5	5,5	6	3	13	24	1,5	3

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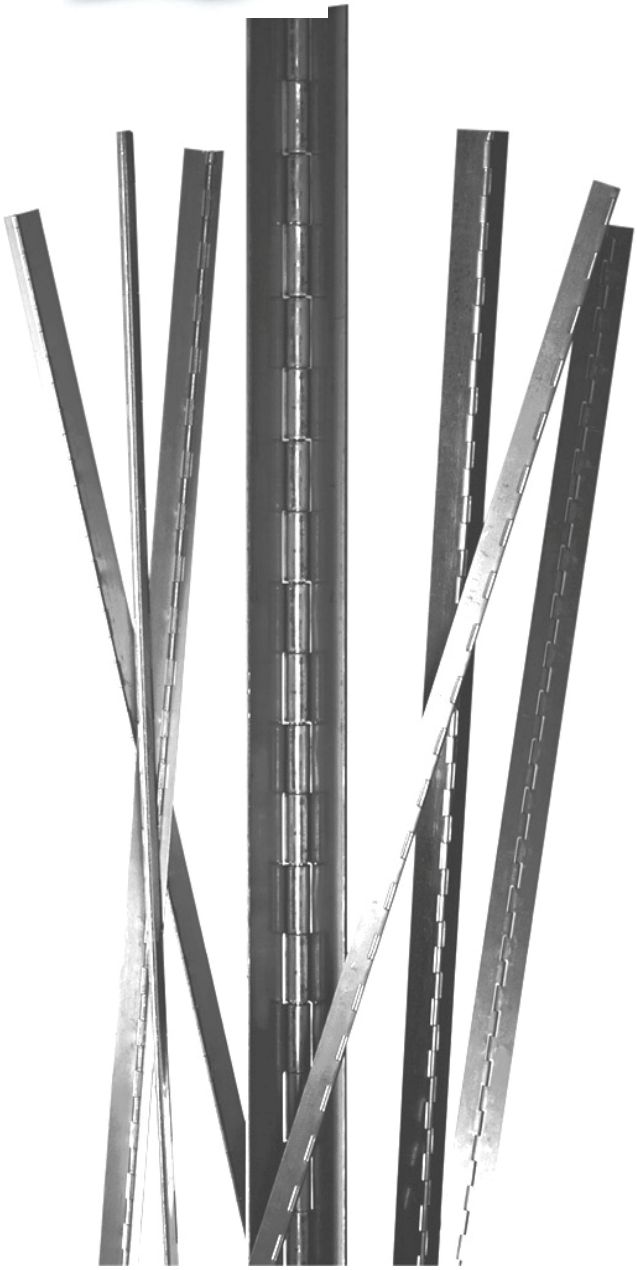
Stainless steel hinges



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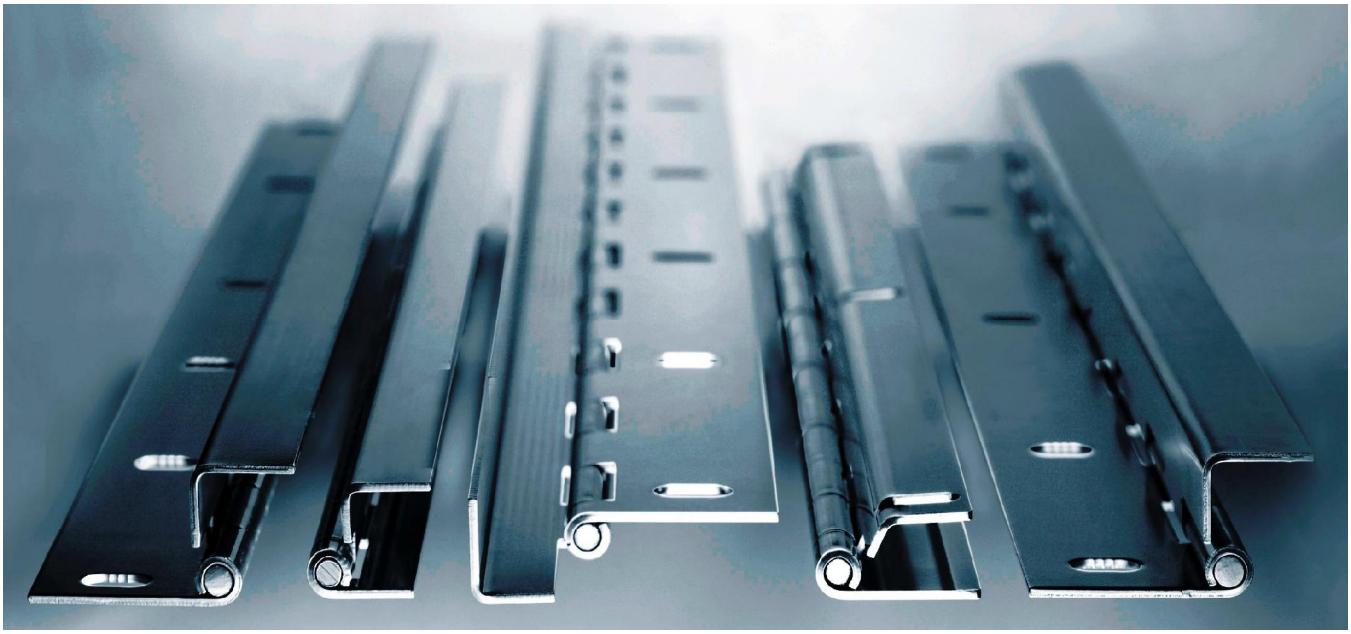
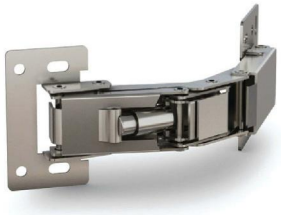
Stainless steel hinges





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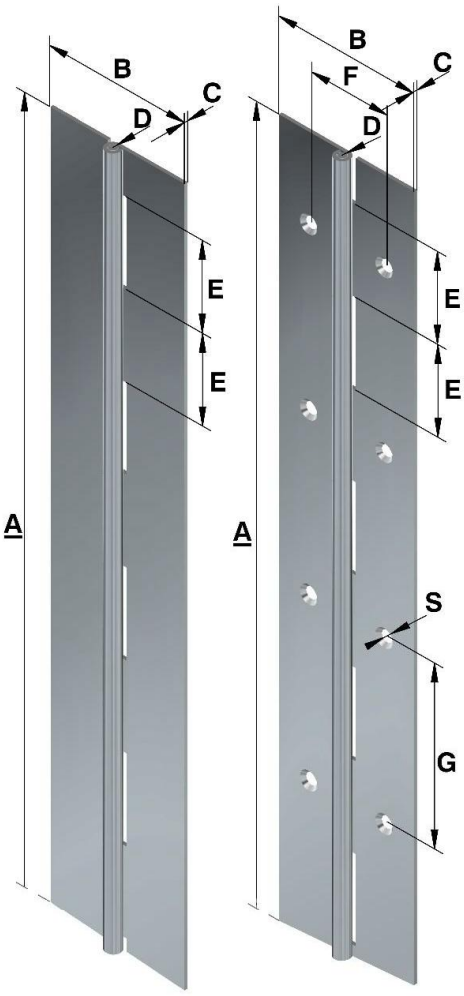
Piano hinges
Stainless steel

Width: 20mm

Art.no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	D Pin Ø	E	F	G	Ø S
6712.30	Stainless steel	Stainless steel	2040	20	0,8	2	15	11,2	60	2,8
6718.30	Stainless steel	Stainless steel	2040	20	0,8	2	15	-	-	-



Width: 25mm

Art.no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	D Pin Ø	E	F	G	Ø S
6719.30	Stainless steel	Stainless steel	1800	25	1	2	15	-	-	-
6728.30	Stainless steel	Stainless steel	2040	25	0,8	2	15	-	-	-
6729.30	Stainless steel	Stainless steel	2040	25	1	2	15	-	-	-
6730.30	Stainless steel	Stainless steel	2040	25	0,8	2	15	14,2	60	3,6

Width: 30mm

Art.no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	D PinØ	E	F	G	Ø S
6736.30	Stainless steel	Stainless steel	2040	30	0,8	2	15	-	-	-
6738.30	Stainless steel	Stainless steel	2040	30	1	2	15	16,8	60	3,9
6740.30	Stainless steel	Stainless steel	1800	30	1	2	15	-	-	-
6742.30	Stainless steel	Stainless steel	2040	30	1	2	15	-	-	-
6743.30	Stainless steel seawater resistant	Stainless steel	2040	30	1	2	15	-	-	-
6745.30	Stainless steel	Stainless steel	2000	30	1,5	4	30	-	-	-
6746.30	Stainless steel	Stainless steel	2000	30	2	6	25	-	-	-

Width: 32mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6749.30	Stainless steel	Stainless steel	1800	32	1,2	3	30
6750.30	Stainless steel	Stainless steel	1950	32	1,5	3	12,5

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Piano hinges
Stainless steel

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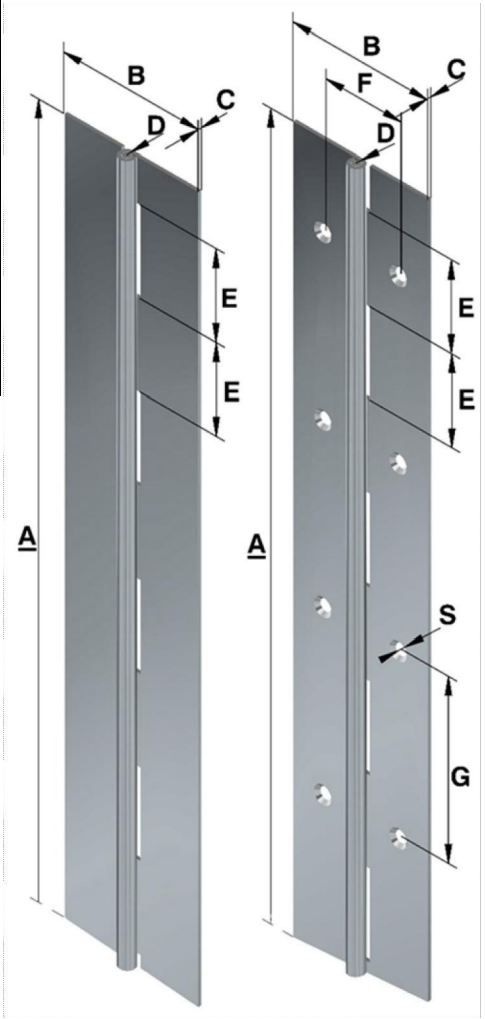
Width: 40mm

Art.no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	D Pin Ø	E	F	G	Ø S
6759.30	Stainless steel	Stainless steel	1800	40	1,2	3	30	-	-	-
6760.35	Stainless steel	Stainless steel	2040	40	1,2	3	30	22,7	60	4,2
6764.30	Stainless steel	Stainless steel	2040	40	0,8	2	15	-	-	-
6771.30	Stainless steel	Stainless steel	2040	40	1,2	3	30	-	-	-
6774.30	Stainless steel	Stainless steel	2040	40	1,5	4	15	-	-	-
6775.30	Stainless steel seawater restistant	Stainless steel	2040	40	1,5	4	15	-	-	-
6779.30	Stainless steel	Stainless steel	2040	40	1,5	4	15	22,7	60	4
6756.30	Stainless steel	Stainless steel	1950	40	1,5	3	12,5	-	-	-



Width: 44mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6777.30	Stainless steel	Stainless steel	2040	44	2	6	30

Width: 50mm

Art.no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	D Pin Ø	E	F	G	Ø S
6785.30	Stainless steel	Stainless steel	2040	50	1,2	3	30	-	-	-
6787.30	Stainless steel	Stainless steel	2000	50	2	4	25	-	-	-
6791.30	Stainless steel	Stainless steel	1800	50	1,2	3	30	-	-	-
6792.30	Stainless steel	Stainless steel	2040	50	1,2	3	30	28	60	4
6793.30	Stainless steel	Stainless steel	1800	50	1,5	4	15	-	-	-
6794.30	Stainless steel seawater resistant	Stainless steel	2040	50	1,2	3	30	-	-	-
6798.30	Stainless steel	Stainless steel	1950	50	1,5	3	12,5	-	-	-

Width: 57mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6796.30	Stainless steel	Stainless steel	2160	57	1,5	4	15

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Piano hinges
Stainless steel

Width: 60mm

Art.no.	Material		Dimensions in mm							
	Rod	Pin	A	B	C	D Pin Ø	E	F	G	Ø S
6804.30	Stainless steel	Stainless steel	2040	60	2	6	30	-	-	-
6805.30	Stainless steel seawater resistant	Stainless steel	2040	60	2	6	30	-	-	-
6807.30	Stainless steel	Stainless steel	2040	60	2	6	30	35	60	4

Width: 63mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6808.30	Stainless steel	Stainless steel	1800	63	1,5	4	15

Width: 70mm

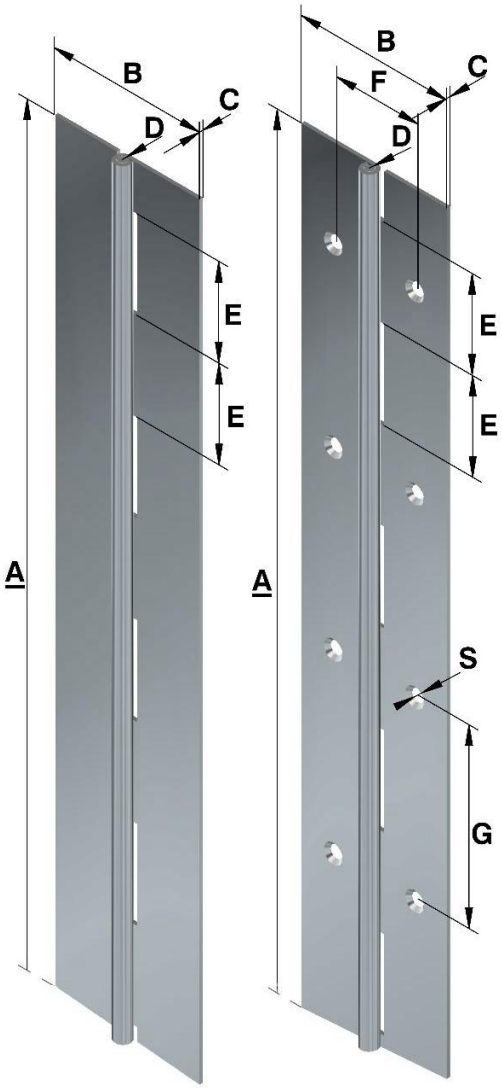
Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6810.30	Stainless steel	Stainless steel	1800	70	1,5	4	15
6812.30	Stainless steel	Stainless steel	2040	70	2	6	30

Width: 76mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6818.30	Stainless steel	Stainless steel	2160	76	1,5	4	15

Width: 80mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6814.30	Stainless steel	Stainless steel	1000	80	3	6	40
6816.30	Stainless steel	Stainless steel	2000	80	3	6	40
6819.30	Stainless steel	Stainless steel	1950	80	1,5	3	12,5



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Piano hinges
Stainless steel

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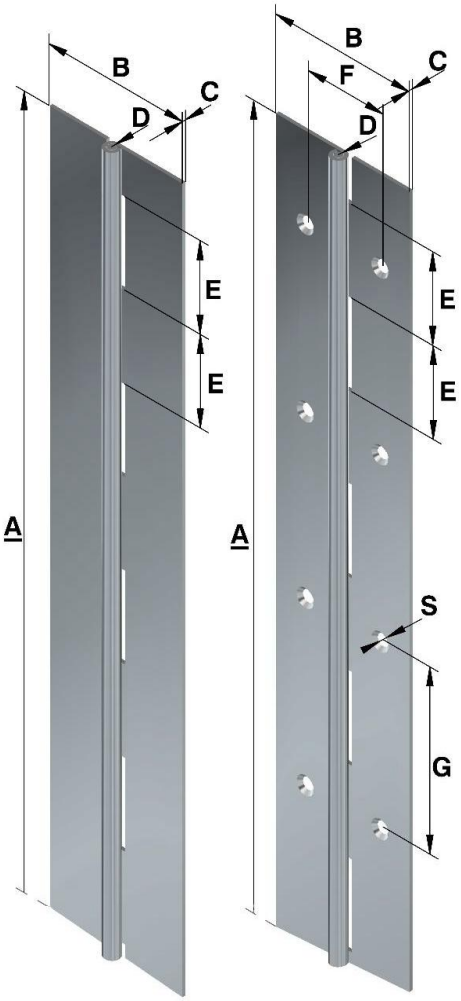
Width: 100mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6830.30	Stainless steel on request	Stainless steel	2000	100	3	10	40
6838.30	Stainless steel	Stainless steel	2000	100	3	6	40



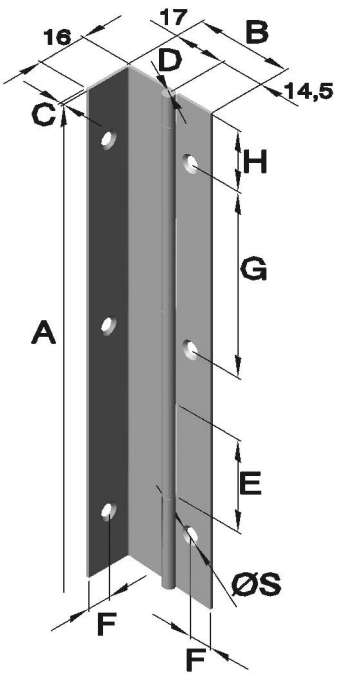
Width: 120mm

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6831.30	Stainless steel	Stainless steel	2100	120	2	6	30

Piano hinges, rolled, cranked

1 Wing cranked

Art.no.	Material		Dimensions in mm								
	Rod	Pin	A	B	C	D Pin Ø	E	F	G	H	Ø S
6835.30	Stainless steel	Stainless steel	2000	31,5	1	2	30	7,5	60	20	3,5



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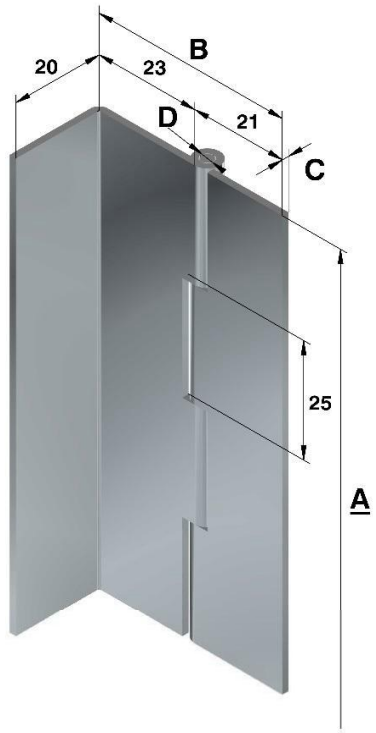
Piano hinges
Stainless steel

1 Wing cranked

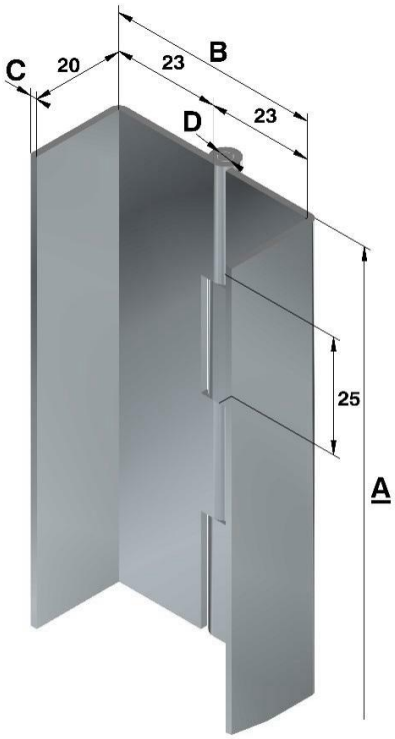
Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6837.30	Stainless steel	Stainless steel	2000	44	1,5	3	25
6839.30	Stainless steel	Stainless steel	1600	44	1,5	3	25



2 Wings cranked

Art.no.	Material		Dimensions in mm				
	Rod	Pin	A	B	C	D Pin Ø	E
6846.30	Stainless steel	Stainless steel	2000	46	1,5	3	25

Hinges can be tailored to your specifications on request.
Drilled execution on request.



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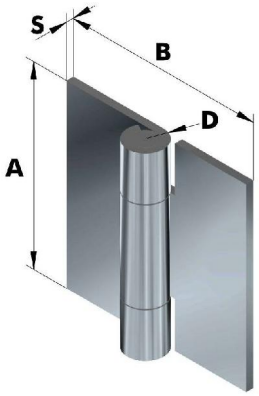
Hinges
Stainless steel

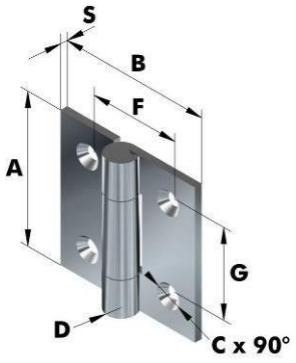
Art.no.:6002
with riveted pin

Article no				Dimensions in mm					
Series	Execution	Material		A	B	D	E	S	Pin Ø
		Stainless steel 1.4301	Stainless steel 1.4401						
6002	.01	.30	.35	40	40	8	4	2	4
6002	.02	.30	.35	50	50	10	5	2	6
6002	.03	.30	.35	60	60	10	5	2	6
6002	.04	.30	-	70	70	10	5	2	6
6002	.05	.30	-	80	80	11	5,5	2,5	6
6002	.06	.30	-	100	100	11	5,5	2,5	6



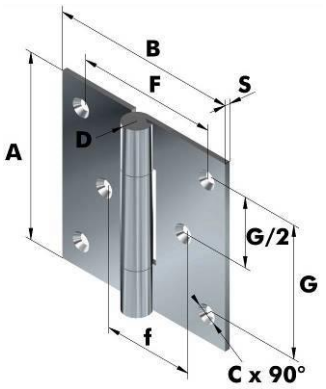
Art.no.:6002 (drilled and countersunk)
with riveted pin

Article no				Dimensions in mm							
Series	Execution	Material		A	B	C Ø	D	F	G	S	Pin Ø
		Stainless steel 1.4301	Stainless steel 1.4401								
6002	.07	.30	.35	40	40	4	8	24	24	2	4
6002	.08	.30	.35	50	50	4,5	10	34	34	2	6
6002	.09	.30	.35	60	60	4,5	10	44	40	2	6



Art.no.:6002 (drilled and countersunk)
with riveted pin

Article no			Dimensions in mm								
Series	Execution	Material	A	B	C Ø	D	F	f	G	S	Pin Ø
		Stainless steel 1.4301									
6002	.10	.30	70	70	4,5	10	54	34	50	2	6
6002	.11	.30	80	80	4,5	11	64	39	60	2,5	6



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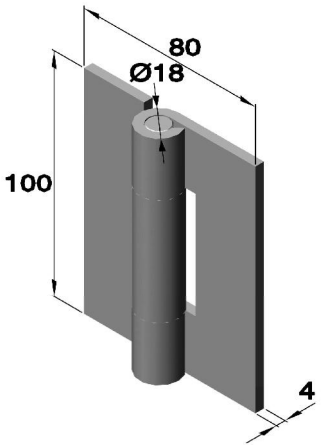
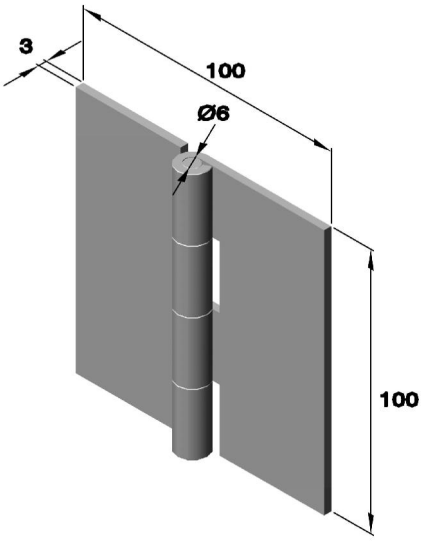
Hinges
Stainless steel

Art.no.:99.100
with fixed pin in stainless steel



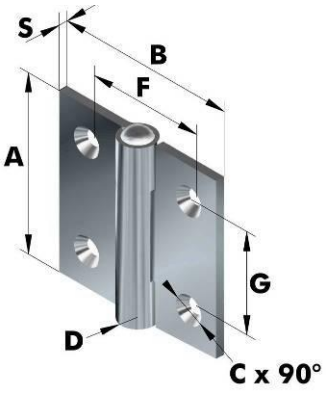
Article no.	
Series	Material Stainless steel 1.4301
99.10080	.30

Art.no.:99.100
with fixed pin in stainless steel



Article no.		
Series	Execution	Material Stainless steel 1.4301
99.	1001003	.30

Art.no.:6003 (drilled and countersunk)
with pull-out pin



Article no.			Dimensions in mm							
Series	Execution	Material Stainless steel 1.4301	A	B	C Ø	D	F	G	S	Pin Ø
6003	.01	.30	40	40	4	8	26	24	2	4
6003	.02	.30	50	50	4,5	10	34	34	2	6
6003	.03	.30	60	60	4,5	10	44	40	2	6

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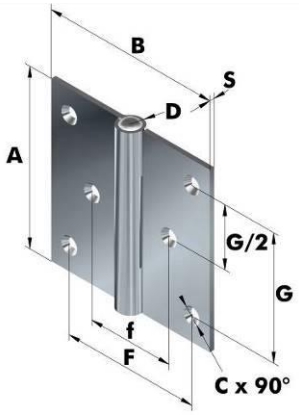
Hinges
Stainless steel

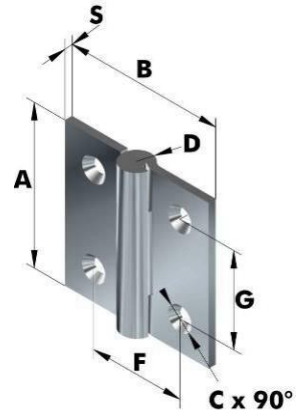
Art.no.:6004 (drilled and countersunk)
with pull-out pin,

Article no.			Dimensions in mm								
Series	Execution	Material: Stainless steel 1.4301	A	B	C Ø	D	F	f	G	S	Pin Ø
6004	.01	.30	70	70	4	10	54	34	50	2	6
6004	.02	.30	80	80	4,5	11	64	39	60	2,5	6



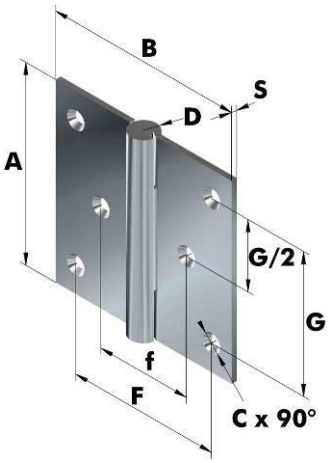
Art.no.:6005 (drilled and countersunk)
with riveted pin

Article no.				Dimensions in mm							
Series	Execution	Material: Stainless steel 1.4301	Material: Stainless steel 1.4401	A	B	C Ø	D	F	G	S	Pin Ø
6005	.01	.30	.35	40	40	4	8	24	24	2	4
6005	.02	.30	.35	50	50	4,5	10	34	34	2	6
6005	.03	.30	.35	60	60	4,5	10	44	40	2	6



Art.no.:6006 (drilled and countersunk)
with riveted pin

Article no.			Dimensions in mm								
Series	Execution	Material: Stainless steel 1.4301	A	B	C Ø	D	F	f	G	S	Pin Ø
6006	.01	.30	70	70	4,5	10	54	34	50	2	6
6006	.02	.30	80	80	4,5	11	64	39	60	2,5	6



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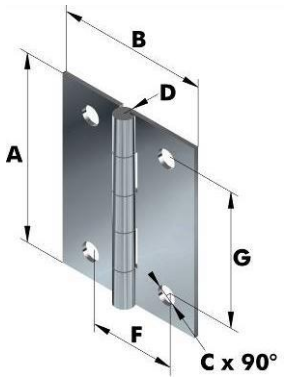
Hinges
Stainless steel

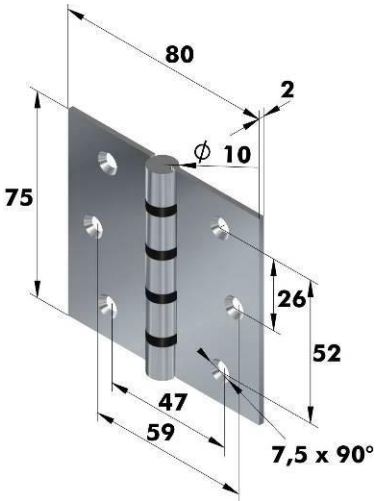
Art.no.:6007 (drilled and countersunk)
with fixed pin

Article no.			Dimensions in mm							
Series	Execution	Material Stainless steel 1.4301	A	B	C Ø	D	F	G	S	Pin Ø
6007	.01-perforated	.30	50	40	5	3,1	23	36	1,2	2,7
6007	.02-countersunk	.30	50	40	5	3,1	23	36	1,2	2,7
6007	.03-countersunk	.30	60	35	4	2	19,5	40	1	1
6007	.04-countersunk	.30	60	35	4	2	19,5	40	1	1



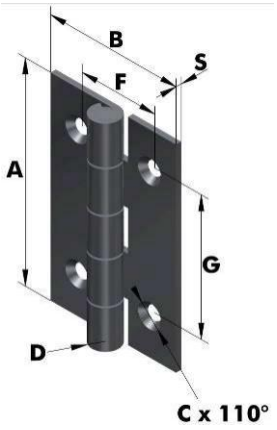
Art.no.:6009 (drilled and countersunk)
with fixed pin and nylon intermediate ring

Article no.		
Series	Execution	Material Stainless steel 1.4301
6009	.01	.30



Art.no.:6010 (drilled and countersunk)
with fixed pin

Article no.		Dimensions in mm							
Series	Material Stainless steel 1.4301	A	B	C Ø	D	F	G	S	Pin Ø
6010	.30	50	30	3,5	5	17	35	1	3



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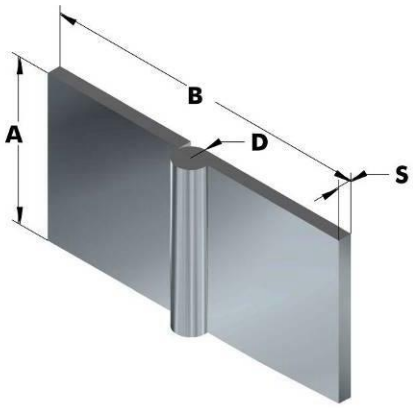
Hinges
Stainless steel

Art.no.:6024
with pull-out brass pin

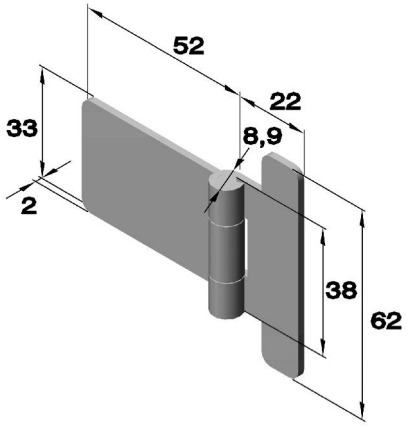
Execution .02 with 90°stop

Article no.			Dimensions in mm				
Series	Execution	Material Stainless steel 1.4301	A	B	D	S	Pin Ø
6024	.01	.30	60	120	12	5	6
6024	.02 (90°)	.30	60	120	12	5	6



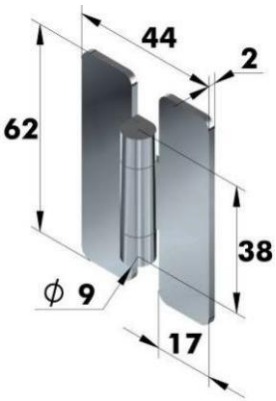
Art.no.:6047
with fixed pin

Article no.		
Series	Execution	Material Stainless steel 1.4301
6047	.01	.30



Art.no.:6048
with fixed pin

Article no.		
Series	Execution	Material Stainless steel 1.4301
6048	.01	.30



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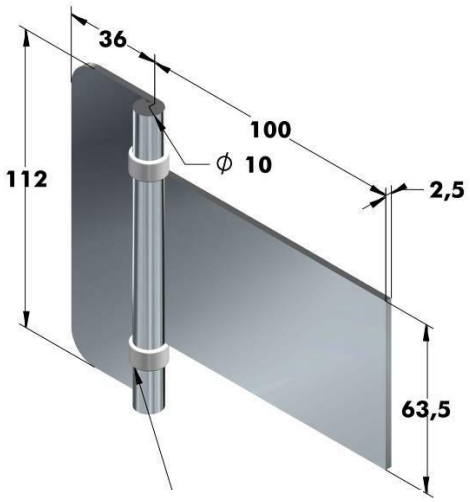
Hinges
Stainless steel

Art.no.:6050
with pull-out pin and nylon intermediate ring

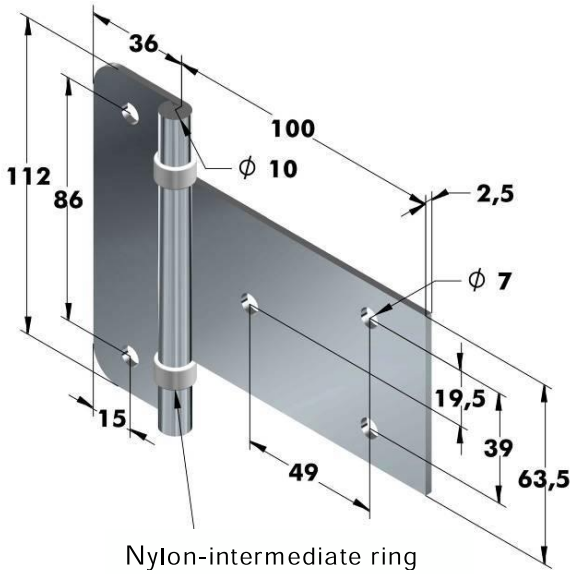
Article no.		
Series	Execution	Material Stainless steel 1.4301
6050	.01	.30



Nylon-intermediate ring

Art.no.:6050 (perforated)
with pull-out pin and nylon intermediate ring

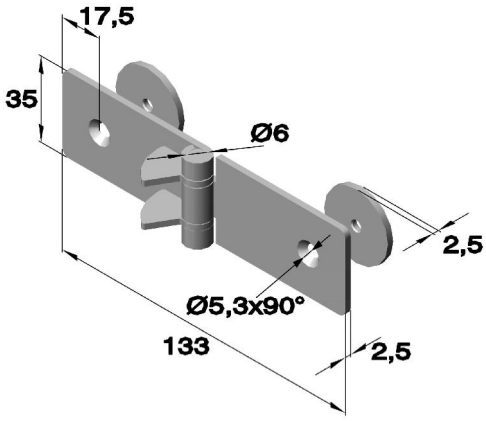
Article no.		
Series	Execution	Material Stainless steel 1.4301
6050	.02	.30



Nylon-intermediate ring

Art.Nr.:6052 (drilled and countersunk)
with fixed pin
Stop at 60°
Suitable for installation of glass doors.

Article no.		
Series	Execution	Material Stainless steel polished 1.4301
6052	.01	.33



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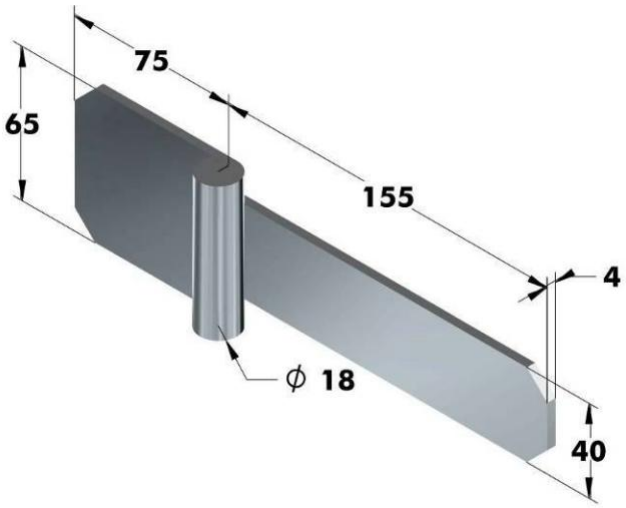
Hinges
Stainless steel

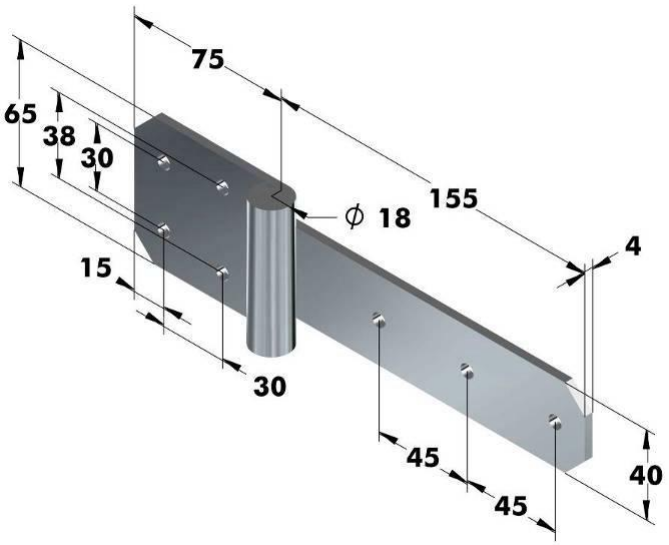
Art.no.:6054
with riveted pin

Article no.		
Series	Execution	Material
		Stainless steel polished
		1.4301
6054	.01	.33



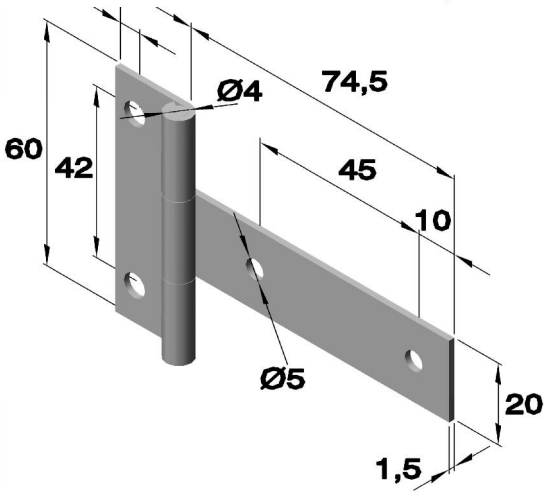
Art.no.:6054 (drilled)
with riveted pin

Article no.		
Series	Execution	Material
		Stainless steel polished
		1.4301
6054	.02	.33



Art.no.:6106 (drilled)
with pull-out pin

Article no.	
Series	Material
	Stainless steel polished
	1.4301
6106	.30



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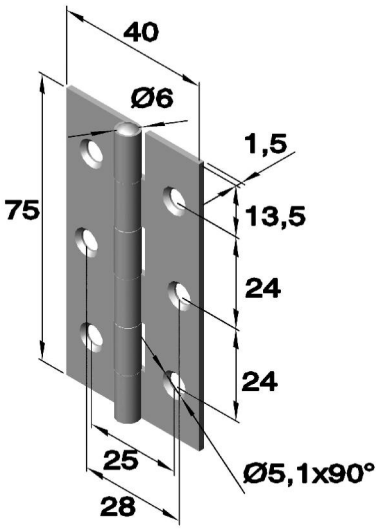
Hinges
Stainless steel

Art.no.:6109 (drilled and countersunk)
with riveted pin

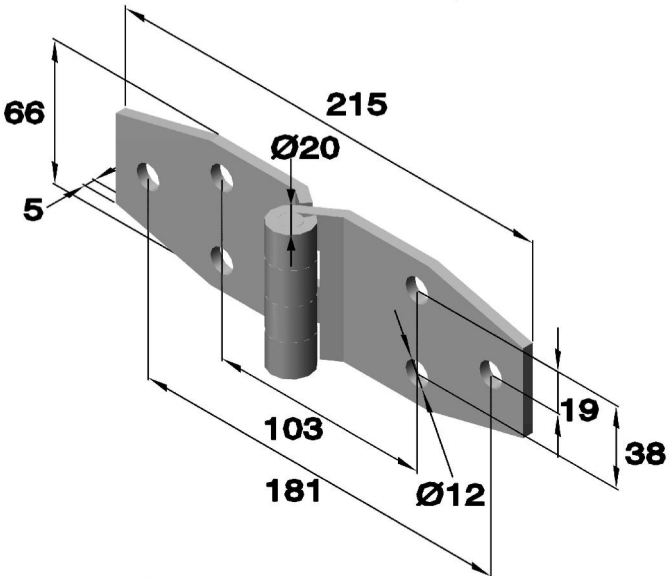
Article no.		Dimensions in mm
Series	Material Stainless steel 1.4301	Pin Ø
6109	.30	3



Art.no.:6158 (drilled)
Pin (10mm)
with riveted stainless steel pin

Stainless steel(1.4301) on request.

Article no.		
Series	Execution	Material Stainless steel polished 1.4301
6158	.02	.33

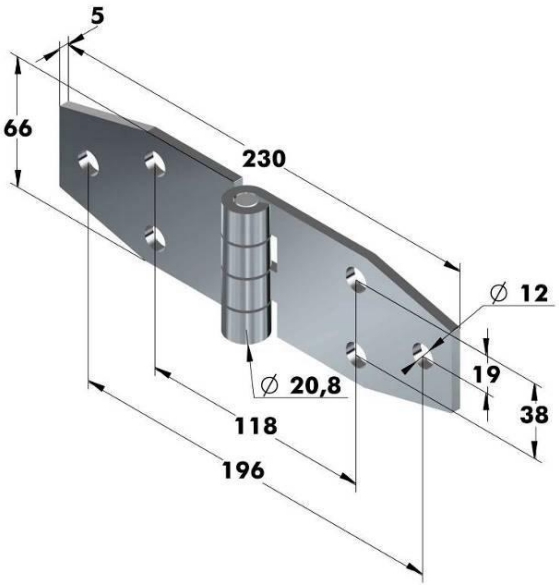


Art.no.:6158 (drilled)

Pin (10mm)
with riveted stainless steel pin

Stainless steel (1.4301) on request

Article no.		
Series	Execution	Material Stainless steel polished 1.4301
6158	.01	.33



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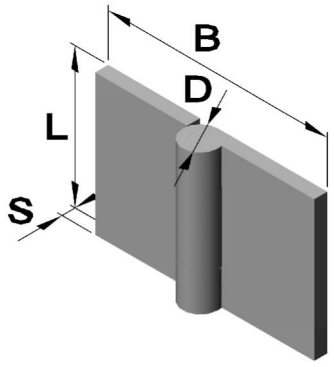
Profile hinge
Stainless steel

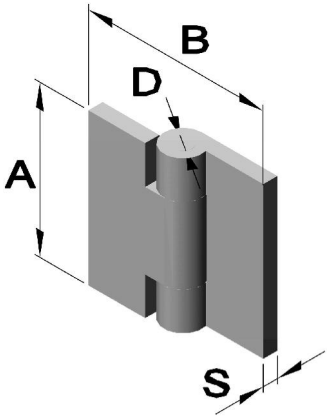
Art.no.:6059 Profile steel hinge with riveted pin

Article no.			Dimensions in mm					
Series	Execution	Material Stainless steel 1.4301	A	B	D	E	S	Pin Ø
6059	.03	.30	50	50	8	4	3	4
6059	.06	.30	50	80	12	6	5	6



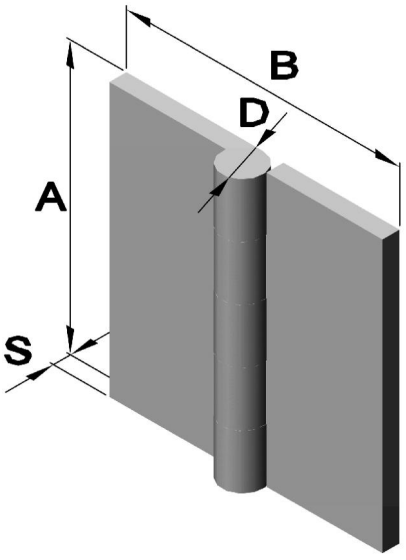
Art.no.:6060 Profile steel hinge with riveted pin

Article no.			Dimensions in mm					
Series	Execution	Material Stainless steel 1.4301	A	B	D	E	S	Pin Ø
6060	.03	.30	50	50	8	4	3	4
6060	.04	.30	50	80	8	4	3	4



Art.no.:6061 Profile steel hinge with riveted pin

Article no.			Dimensions in mm					
Series	Execution	Material Stainless steel 1.4301	A	B	D	E	S	Pin Ø
6061	.01	.30	80	80	12	6	5	6



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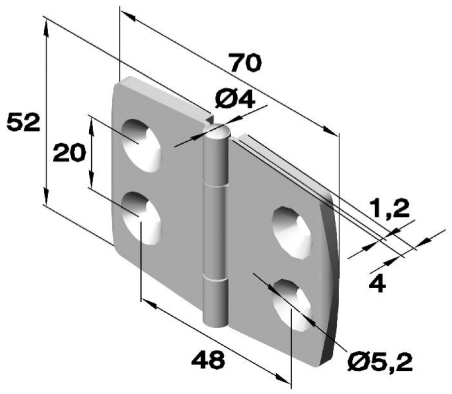
Hinges
in seawater resistant stainless steel

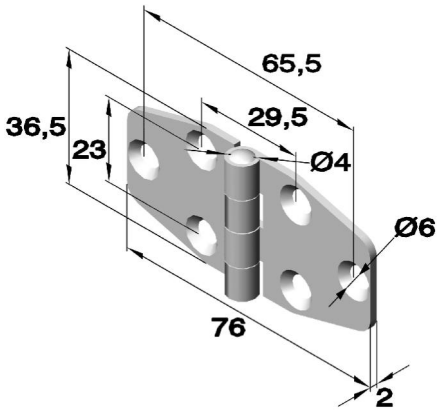
Art.no.:6176 (drilled and countersunk)
with riveted pin

Article no.		
Series	Execution	Material Stainless steel polished 1.4401
6176	.01	.33



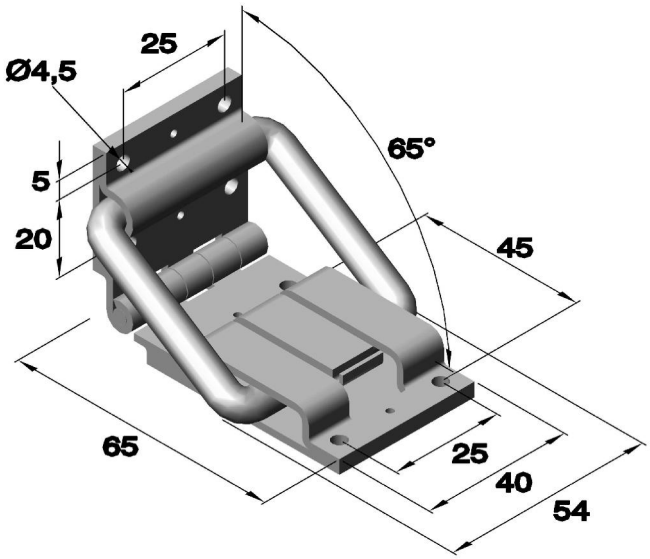
Art.no.:6177 (drilled and countersunk)
with riveted pin

Article no.		
Series	Execution	Material Stainless steel polished 1.4401
6177	.01	.33



Art.no.:6058 Stop hinge with locking at 105°
with fixed pin (Ø5)

Article no.		
Series	Execution	Material Stainless steel 1.4301
6058	.04	.30



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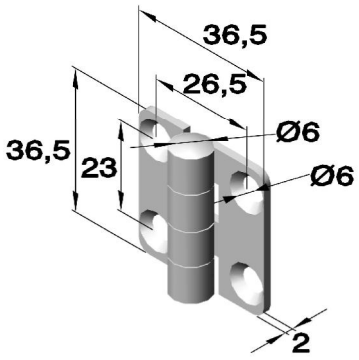
Hinges
in seawater resistant stainless steel

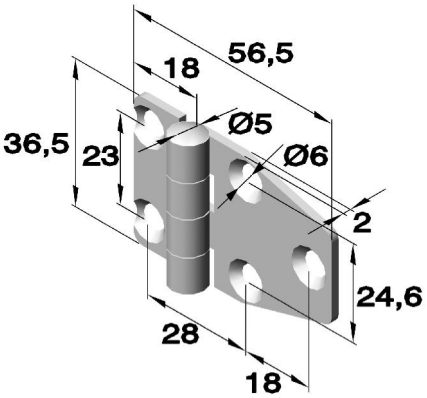
Art.no.:6178 (perforated and countersunk)
with riveted pin

Article no.		
Series	Execution	Material Stainless steel polished 1.4401
6178	.01	.33



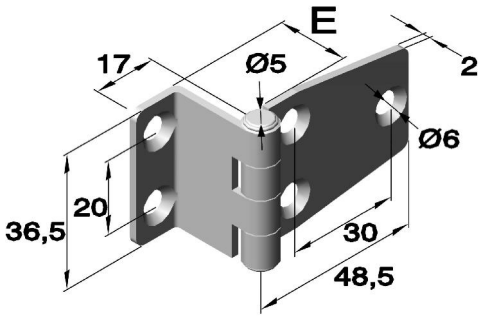
Art.Nr.:6179 (perforated and countersunk)
with riveted pin

Article no.		
Series	Execution	Material Stainless steel polished 1.4401
6179	.01	.33



Art.no.:6180 (perforated and countersunk)
with riveted pin

Article no.			Dimensions in mm
Series	Execution	Material Stainless steel polished 1.4401	E
6180	.01	.33	10
6180	.02	.33	15,9
6180	.03	.33	19,2



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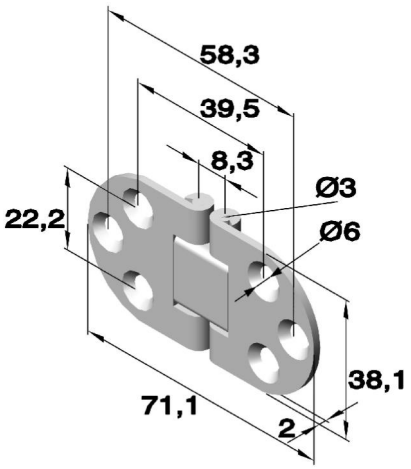
Hinges
in seawater resistant stainless steel

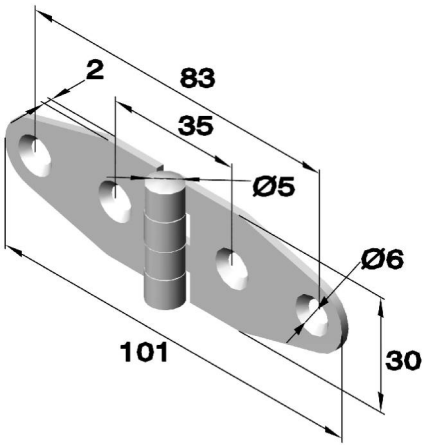
Art.no.:6181 (perforated and countersunk)

Article no.	
Series	Material
	Stainless steel polished
	1.4401
6181	.33



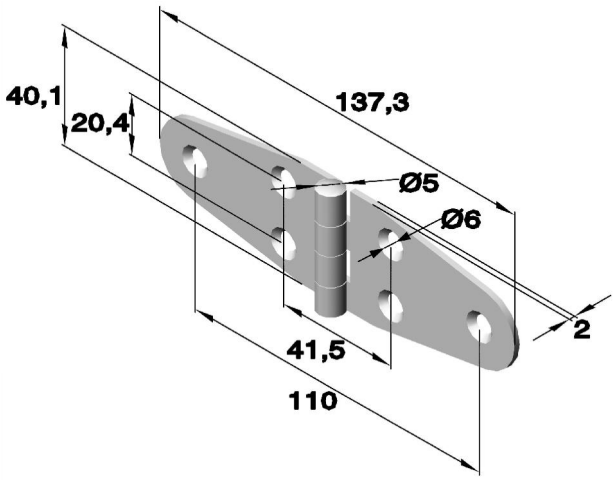
Art.no.:6182 (perforated and countersunk)
with riveted pin

Article no.	
Series	Material
	Stainless steel polished
	1.4401
6182	.33



Art.no.:6183 (perforated and countersunk)
with riveted pin

Article no.		
Series	Execution	Material
		Stainless steel polished
		1.4401
6183	.01	.33



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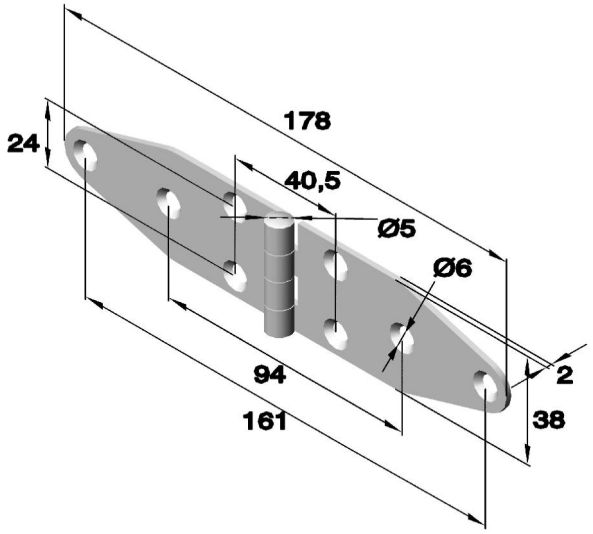
Hinges
in seawater resistant stainless steel

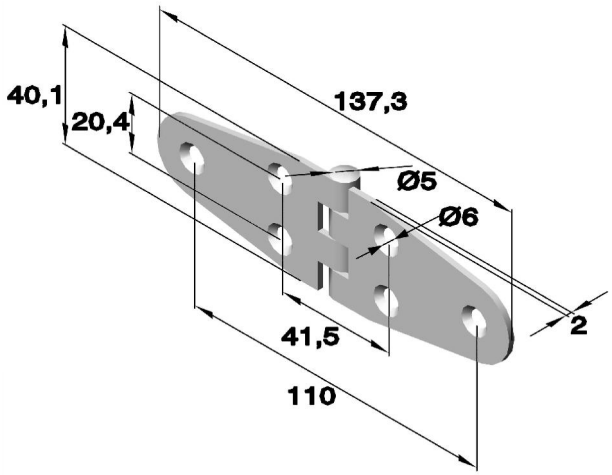
Art.no.:6184 (perforated and countersunk)
with riveted pin

Article no.		
Series	Execution	Material
		Stainless steel polished
		1.4401
6184	.01	.33



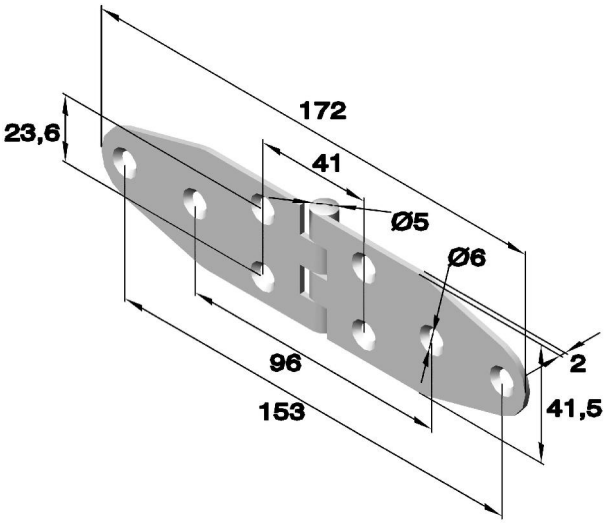
Art.no.:6185 (perforated and countersunk)
with riveted pin

Article no.		
Series	Execution	Material
		Stainless steel polished
		1.4401
6185	.01	.33



Art.no.:6186 (perforated and countersunk)
with riveted pin

Article no.		
Series	Execution	Material
		Stainless steel polished
		1.4401
6186	.01	.33



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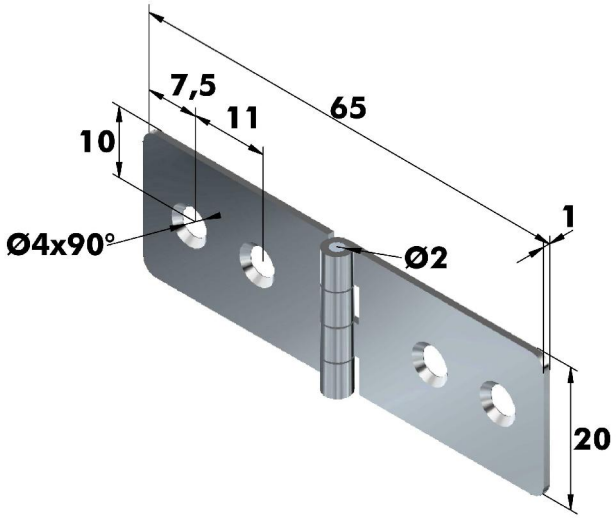
Hinges
in seawater resistant stainless steel

Art.no.:6017 (perforated and countersunk)



Article no.		
Series	Execution	Material
		Stainless steel
6017	.01	.30

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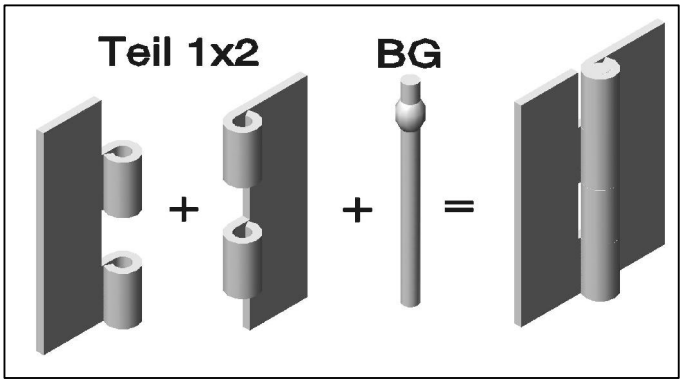
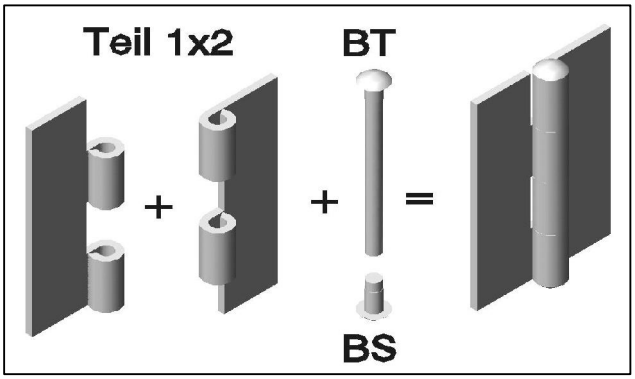
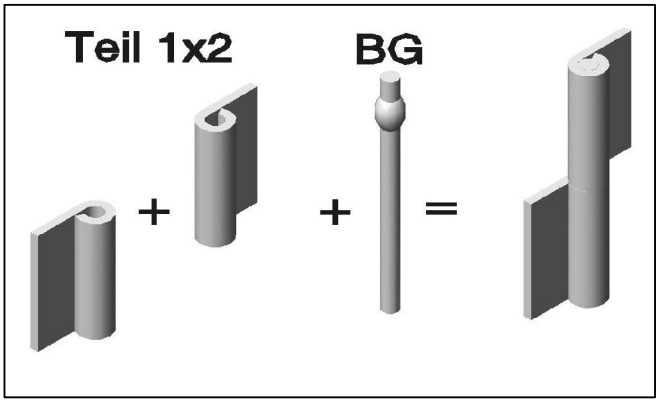
Module hinge
Stainless steel

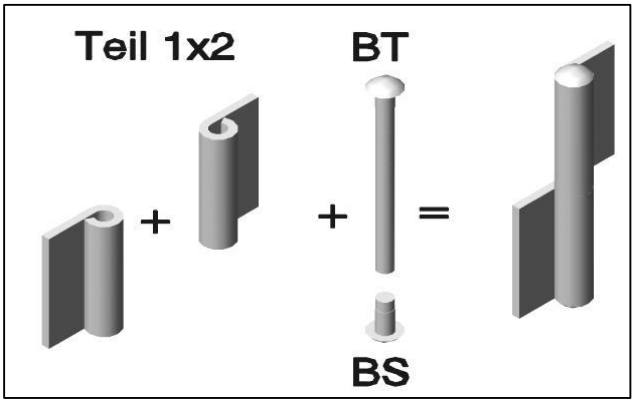
Hinge combination-example





Fitschen combination-example





BG compressed pin
BT Pin with collar
BS Plug

Drilling and assembling on request.

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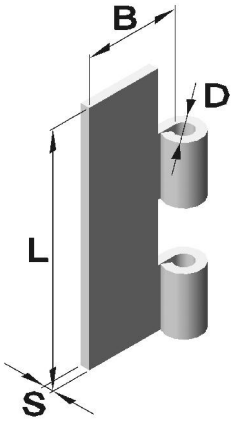
Module hinges
Stainless steel

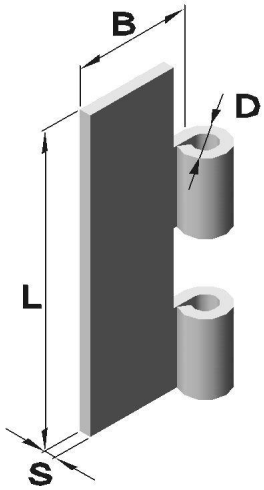
Hinge Module 3mm

Article no.		Dimensions in mm				
Art.	Material Stainless steel 1.4301	L	B	S	Pin Ø	D
6111	.30	80	30	3	6	12
6113	.30	80	40	3	6	12
6115	.30	80	50	3	6	12
6117	.30	80	60	3	6	12
6119	.30	80	80	3	6	12



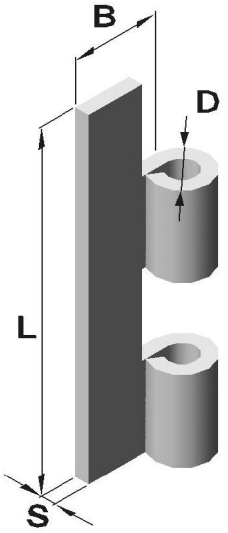
Hinge Module 4mm

Article no.		Dimensions in mm				
Art.	Material Stainless steel 1.4301	L	B	S	Pin Ø	D
6131	.30	100	30	4	8	16
6133	.30	100	40	4	8	16
6135	.30	100	50	4	8	16
6137	.30	100	60	4	8	16
6139	.30	100	80	4	8	16



Hinge Module 5mm

Article no.		Dimensions in mm				
Art.	Material Stainless steel 1.4301	L	B	S	Pin Ø	D
6140	.30	120	30	5	10	20
6142	.30	120	40	5	10	20
6144	.30	120	50	5	10	20
6146	.30	120	60	5	10	20
6148	.30	120	80	5	10	20



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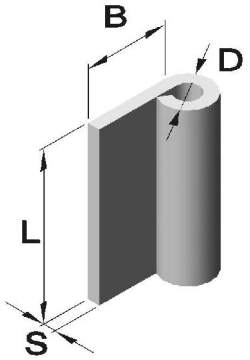
Module hinges
Stainless steel

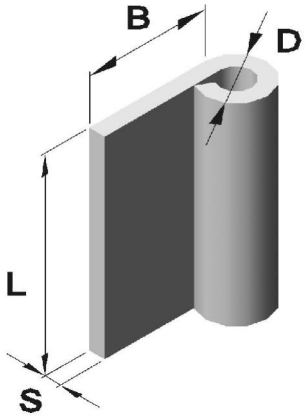
Fitschen Module 3mm

Article no.			Dimensions in mm				
Art.	Execution	Material Stainless steel 1.4301	L	B	S	Pin Ø	D
6210	.01	.30	40	20	3	6	12
6210	.03	.30	40	30	3	6	12
6210	.05	.30	40	50	3	6	12
6210	.07	.30	40	80	3	6	12
6210	.09	.30	40	120	3	6	12



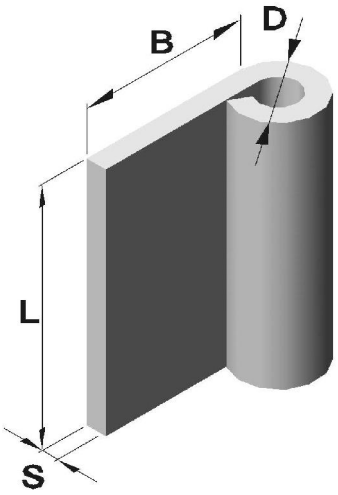
Fitschen Module 4mm

Article no.			Dimensions in mm				
Art.	Execution	Material Stainless steel 1.4301	L	B	S	Pin Ø	D
6210	.21	.30	50	30	4	8	16
6210	.23	.30	50	50	4	8	16
6210	.25	.30	50	80	4	8	16



Fitschen Module 5mm

Article no.			Dimensions in mm				
Art.	Execution	Material Stainless steel 1.4301	L	B	S	Pin Ø	D
6210	.31	.30	60	40	5	10	20
6210	.33	.30	60	60	5	10	20
6210	.35	.30	60	80	5	10	20



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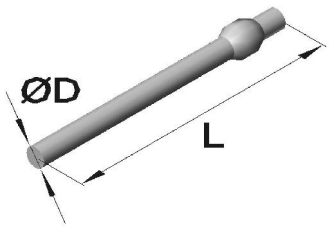
Module hinges
Stainless steel

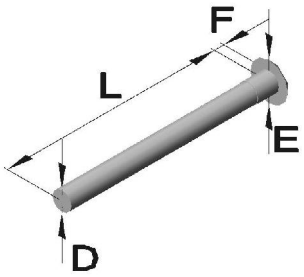
Pin „BG"- compressed

Article no.		Dimensions in mm	
Art.	Material Stainless steel 1.4301	L	D Ø
6151	.30	80	6
6153	.30	100	8
6155	.30	120	10



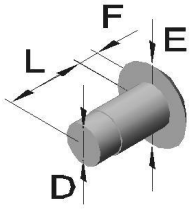
Pin „BT"- with collar

Article no.		Dimensions in mm			
Art.	Material Stainless steel 1.4301	D Ø	L	F	E
6161	.30	6	66	3	12
6163	.30	8	86	4	16
6165	.30	10	106	5	20



Plug „BS"- with collar

Article no.		Dimensions in mm			
Art.	Material Stainless steel 1.4301	D Ø	L	F	E
6171	.30	6	12	3	12
6173	.30	8	12	4	16
6175	.30	10	12	5	20



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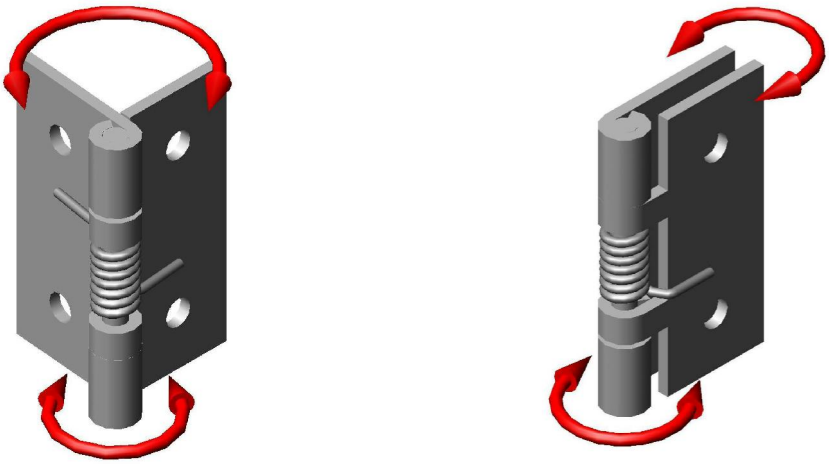
Spring hinge
Stainless steel

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

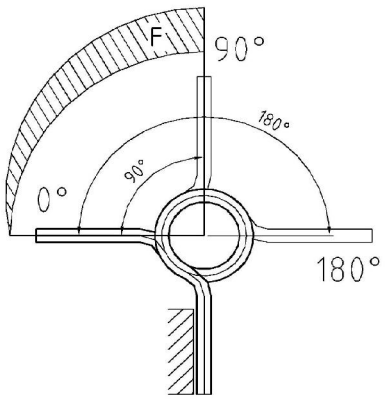
Rotation direction of the hinge

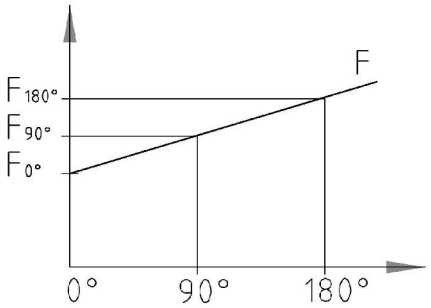


Rotation direction of the spring

Execution_.01	Execution _.02
(Spring opening mounted)	(Spring closed mounted)

F = Power of the spring to a point in 100mm from the hinge axis.
By turning you get a linear power gain measured in grams.
Initial position / delivery condition = 0°





F= spring force

F (0°) = 50g
F (90°) = 100g
F (180°) = 150g

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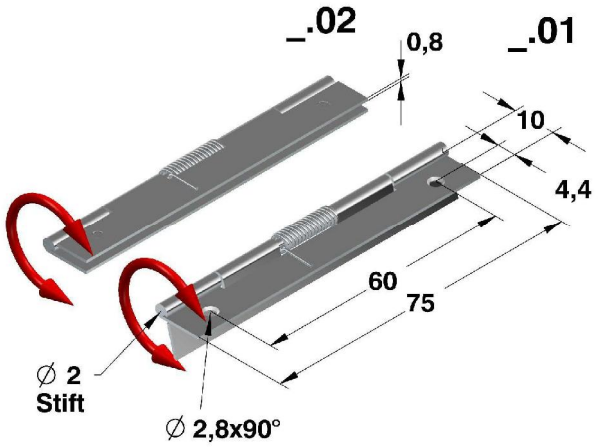
Spring hinges
Stainless steel

Art.no. 6062 (perforated and countersunk)

Tension spring in stainless steel

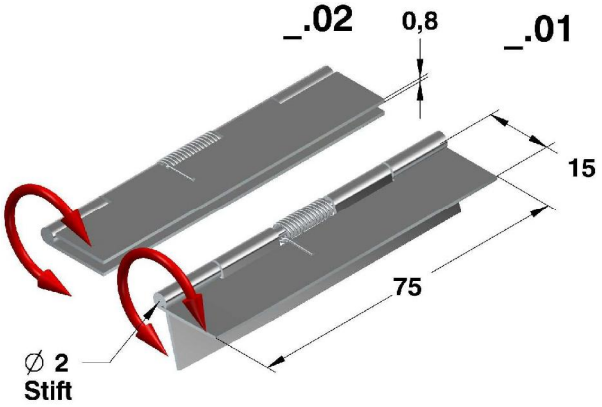
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6062	.01	.30	60	90	120
6062	.02	.30	60	90	120



Art.no. 6063

Tension spring in steel or stainless steel.

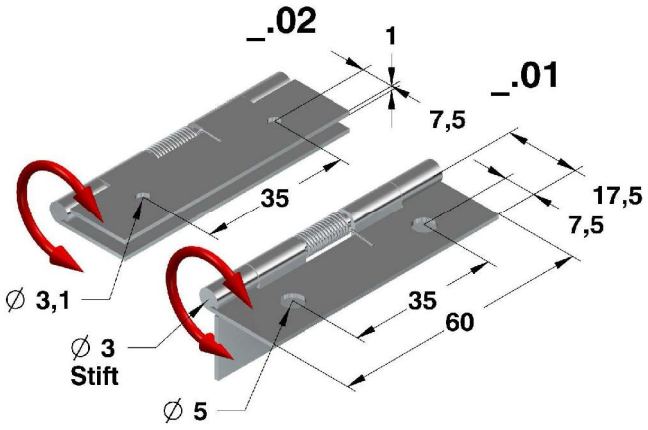
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6063	.01	.30	60	90	120
6063	.02	.30	60	90	120



Art.no. 6065 (perforated)

Tension spring in steel or stainless steel.

Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6065	.01	.30	40	60	80
6065	.02	.30	40	60	80



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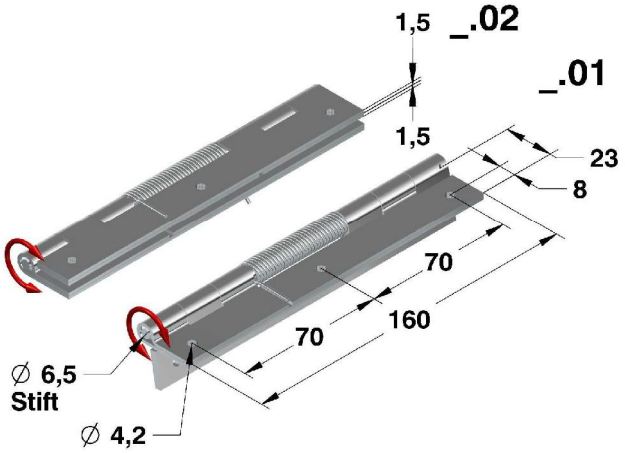
Spring hinges
Stainless steel

Art.no. 6066 (perforated)

Tension spring in stainless steel.

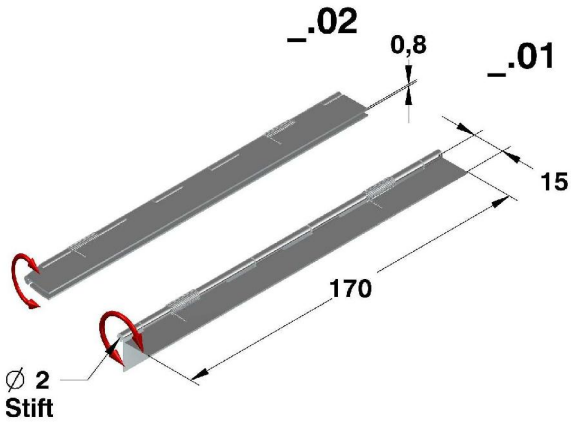
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6066	.01	.30	550	750	950
6066	.02	.30	550	750	950



Art.no. 6067

Tension spring in stainless steel.

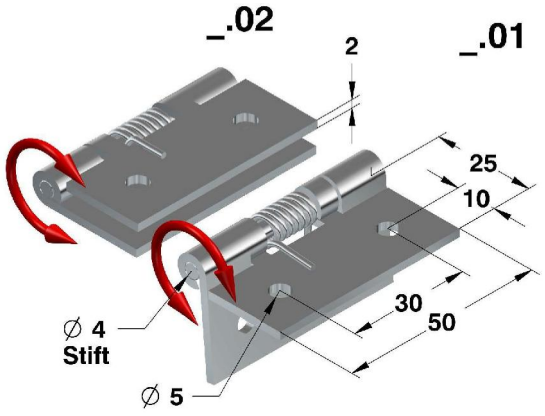
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6067	.01	.30	140	220	300
6067	.02	.30	140	220	300



Art.no. 6068 (perforated)

Tension spring in stainless steel

Article no.				in mm	Spring force in g		
Series	Execution	Material Stainless steel 1.4301	Spring	Spring wire Ø	0°	90°	180°
6068	.01	.30	-	1,5	320	640	1060
6068	.02	.30	-	1,5	320	640	1060
6068	.01	.30	.F08	0,8	20	50	80
6068	.02	.30	.F08	0,8	20	50	80
6068	.01	.30	.F10	1,0	40	120	200
6068	.02	.30	.F10	1,0	40	120	200
6068	.01	.30	.F1,25	1,25	140	300	500
6068	.02	.30	.F1,25	1,25	140	300	500



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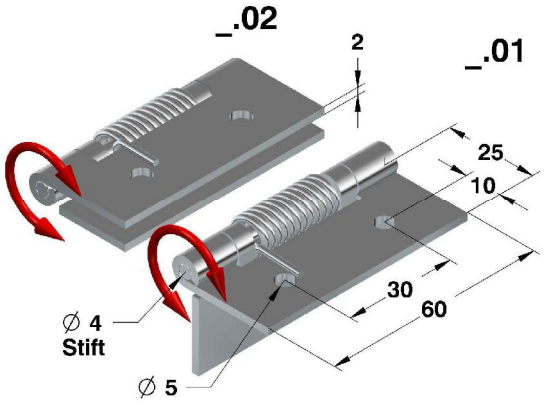
Spring hinges
Stainless steel

Art.no. 6107 (perforated)

Tension spring in stainless steel.

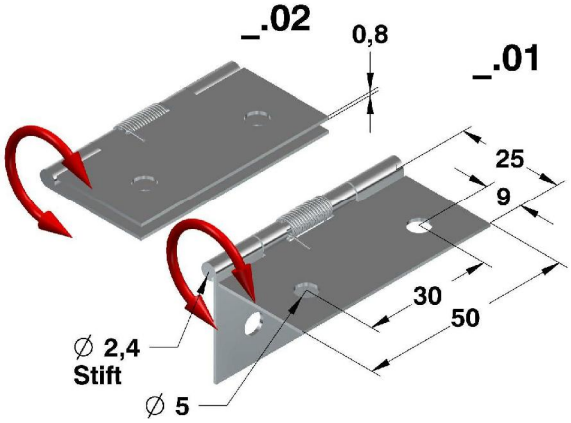
Article no.				in mm	Spring force in g		
Series	Execution	Material Stainless steel 1.4301	Spring	Spring wire Ø	0°	90°	180°
6107	.01	.30	.F18	1,8	400	900	1400
6107	.02	.30	.F18	1,8	400	900	1400



Art.no. 6108 (perforated)

Tension spring in stainless steel.

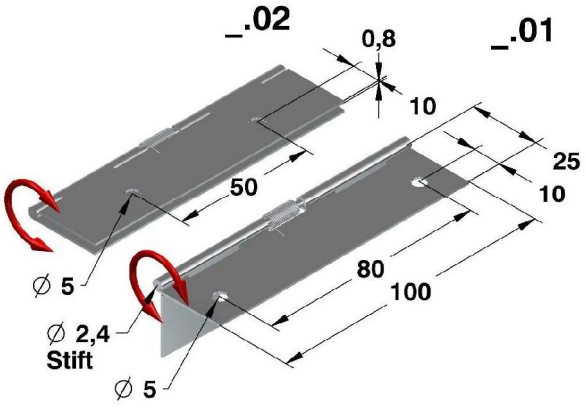
Article no.				in mm	Spring force in g		
Series	Execution	Material Stainless steel 1.4301	Spring	Spring wire Ø	0°	90°	180°
6108	.01	.30	.F05	0,5	10	20	30
6108	.02	.30	.F05	0,5	10	20	30
6108	.01	.30	.F06	0,6	20	40	60
6108	.02	.30	.F06	0,6	20	40	60
6108	.01	.30	.F08	0,8	30	60	90
6108	.02	.30	.F08	0,8	30	60	90



Art.no. 99.A100 (perforated)

Tension spring in stainless steel.

Article no.				in mm	Spring force in g		
Series	Execution	Material Stainless steel 1.4301	Spring	Spring wire Ø	0°	90°	180°
99.A100	.01	.30	-	0,4	7	15	25
99.A100	.02	.30	-	0,4	7	15	25
99.A100	.01	.30	.F08	0,8	30	60	90
99.A100	.02	.30	.F08	0,8	30	60	90



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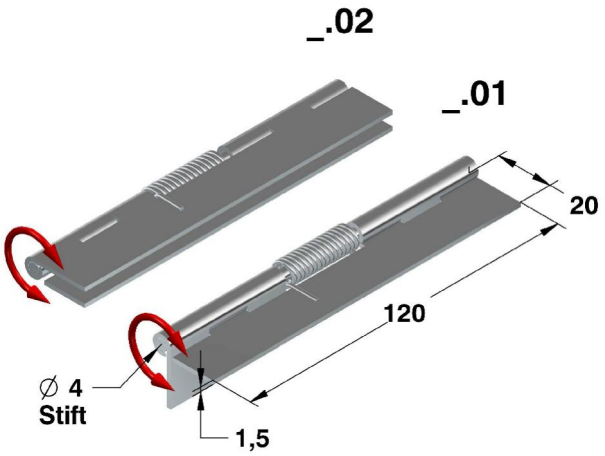
Spring hinges
Stainless steel

Art.no. 6164

Tension spring in stainless steel.

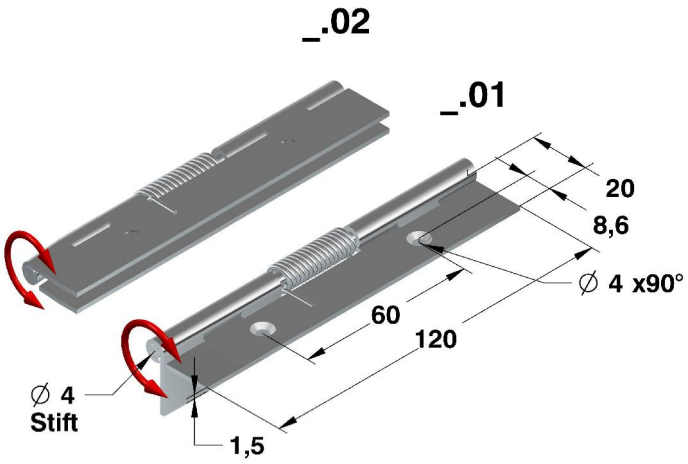
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6164	.01	.30	60	300	600
6164	.02	.30	60	300	600



Art.no. 6164.__ /G (perforated and countersunk)

Tension spring in stainless steel.

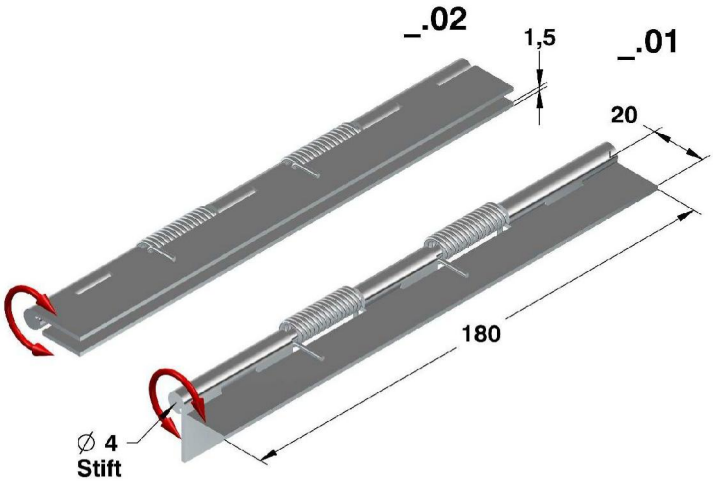
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6164	.01	.30/G	60	300	600
6164	.02	.30/G	60	300	600



Art.no. 6165

Tension spring in stainless steel.

Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6165	.01	.30	120	600	1200
6165	.02	.30	120	600	1200



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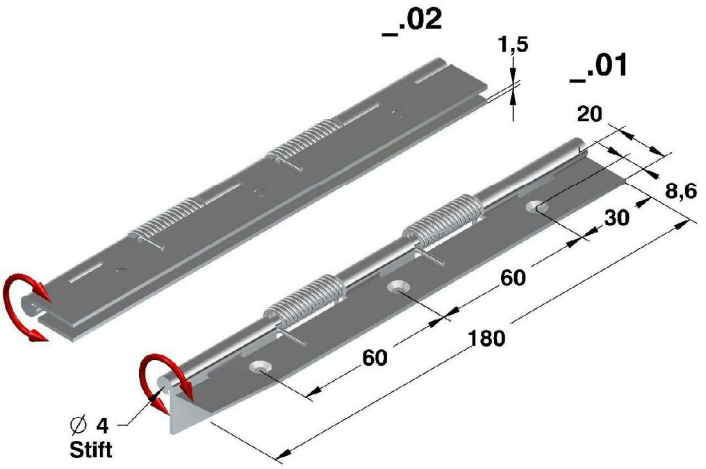
Spring hinges
Stainless steel

Art.no. 6165.__ /G (perforated and countersunk)

Tension spring in stainless steel.

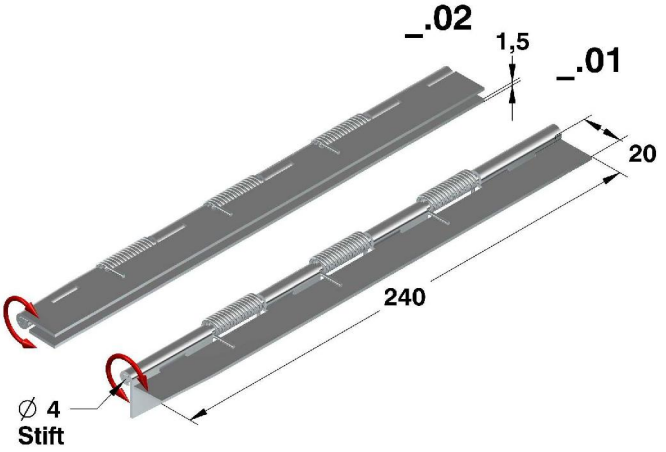
Article no.			Spring hinges in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6165	.01	.30/G	120	600	1200
6165	.02	.30/G	120	600	1200



Art.no. 6166

Tension spring in stainless steel.

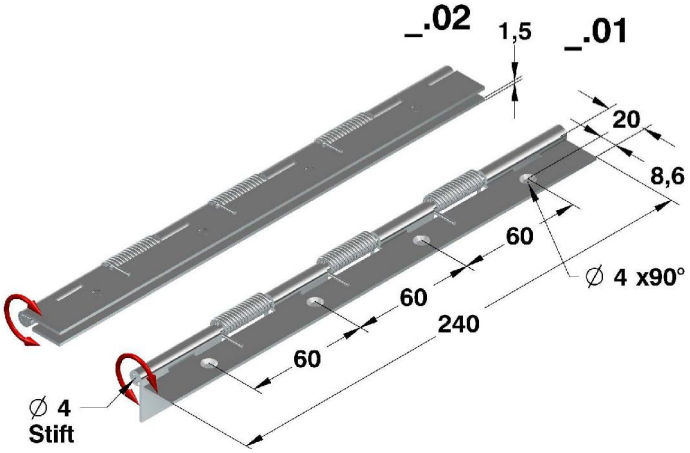
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6166	.01	.30	180	900	1800
6166	.02	.30	180	900	1800



Art.no. 6166.__. /G (perforated and countersunk)

Tension spring in stainless steel.

Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4301	0°	90°	180°
6166	.01	.30/G	180	900	1800
6166	.02	.30/G	180	900	1800



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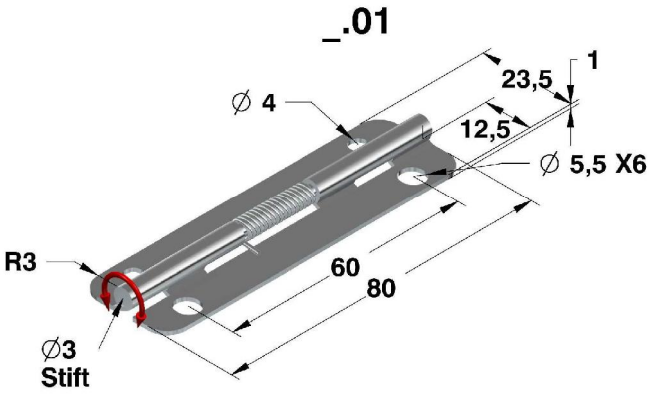
Spring hinges
Stainless steel

Art.no. 6169 (perforated)

Tension spring in stainless steel.

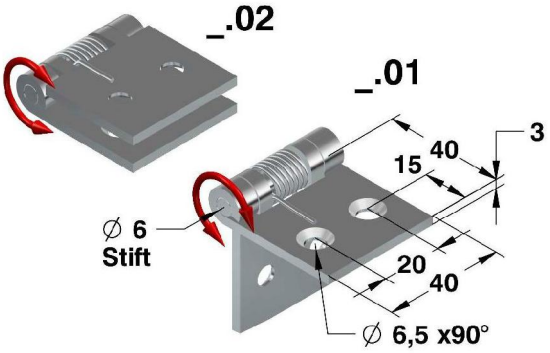
Article no.			Spring force in g		
Series	Execution	Material Stainless steel 1.4016	0°	90°	180°
6169	.01	.30	50	100	150



Art.no. 64080 (perforated and countersunk)

Tension spring in stainless steel.

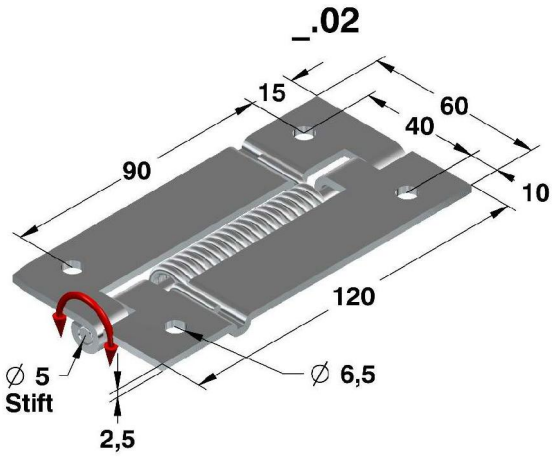
Article no.				in mm	Spring force in g		
Series	Execution	Material Stainless steel 1.4301	Spring	Spring wire Ø	0°	90°	180°
64080	.01	.30	.F15	1,5	150	520	920
64080	.02	.30	.F15	1,5	150	520	920



Art.no. 6941.02.30 (drilled)

Tension spring in stainless steel.

Article no.				in mm	Spring force in g		
Series	Execution	Material Stainless steel 1.4301	Spring	Spring wire Ø	0°	90°	180°
6941	.02	.30	.F28	2,8	300	1600	2600



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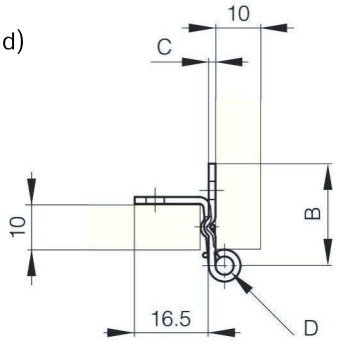
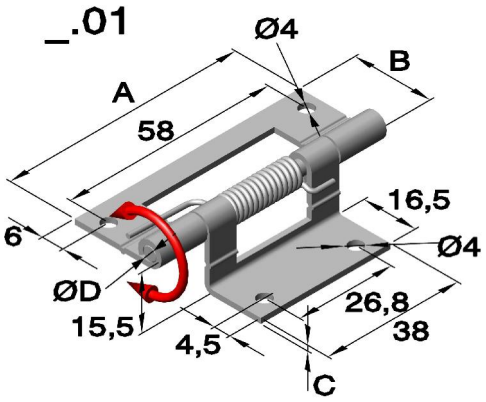
Spring hinges
Stainless steel

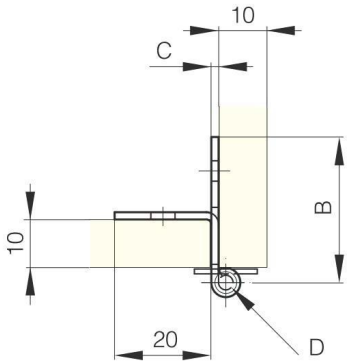
Art.no. 6167 (perforated)

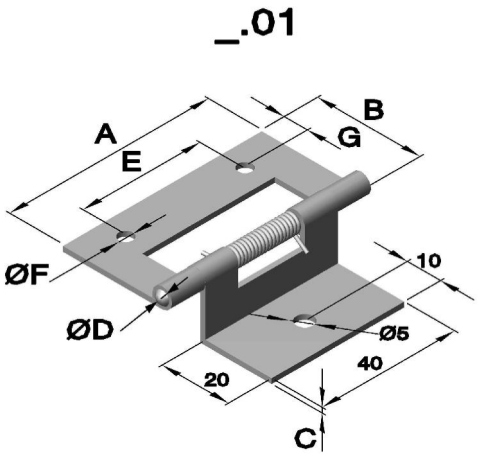




Article no.			in mm			Spring force in g		
Series	Execution	Material Stainless steel polished 1.4401	A	B	C	0°	90°	180°
6167	.01	.35	66	22,5	1,5	60	200	380

Art.no. 6486 (perforated)





Article no.			Dimensions in mm						
Series	Execution	Material Stainless steel 1.4401	A	B	C	Ø D	E	Ø F	G
6486	.01	.35	60	30	1,5	3	36	4,2	7

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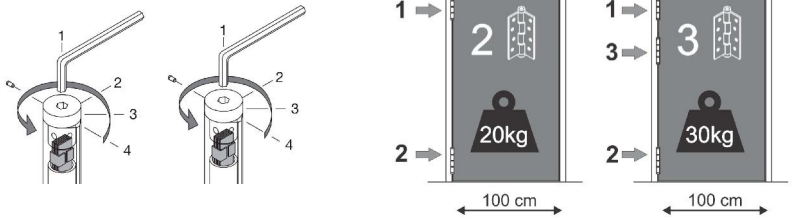
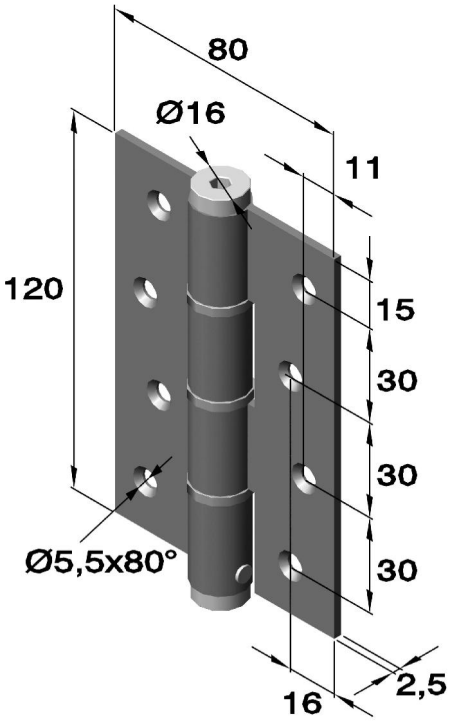
Spring hinges
Stainless steel

Art.no. 158. 5314.__.__ (adjustable spring force)

with integrated spring.



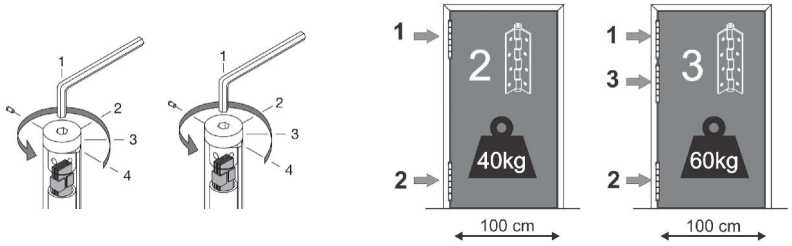


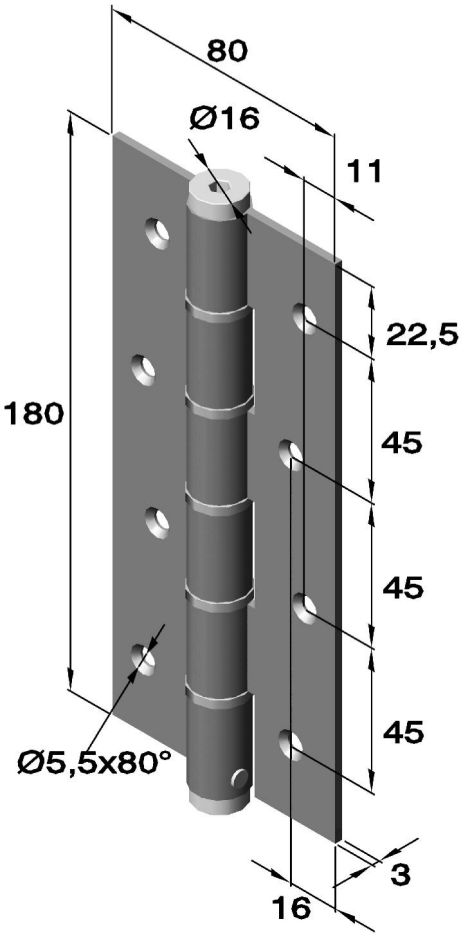
Article no.		Load in kg	
Series	Material Stainless steel brushed 1.4301	By 2 Hinges	By 3 Hinges
158.5314.05	.30	20	30

This article will be delivered only as a pair.
The door closes automatically,
Installed mechanism is very robust and adjustable.
Max. opening angle 180°.

Art.no. 158. 5814.__.__ (adjustable spring force)

with integrated spring.





Article no.		Load in kg	
Series	Material Stainless steel brushed 1.4301	By 2 Hinges	By 3 Hinges
158.5814.05	.30	40	60

This article will be delivered only as a pair.
The door closes automatically,
Installed mechanism is very robust and adjustable.
Max. opening angle 180

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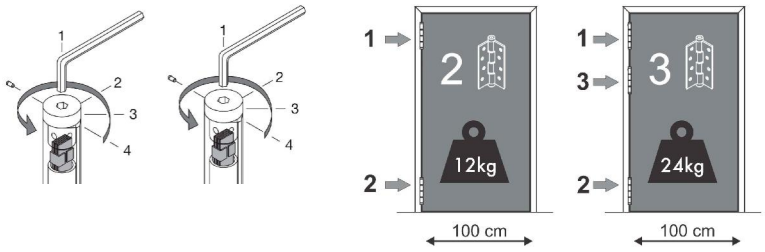
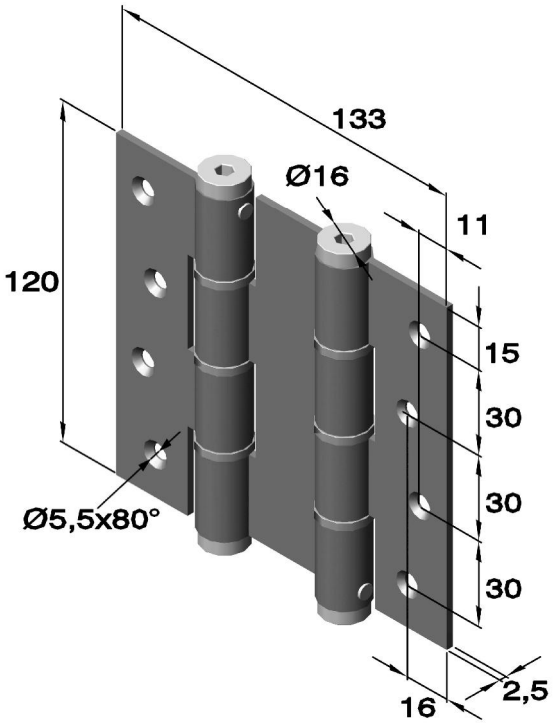
Spring hinges
Stainless steel

Art.no. 158. 5414.__.__ (adjustable spring force)

Double joint hinge/Swing door hinge
with integrated spring.



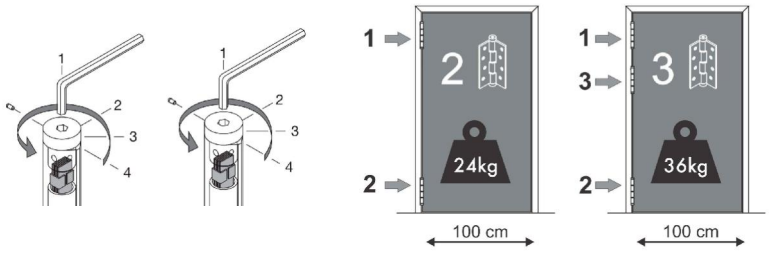


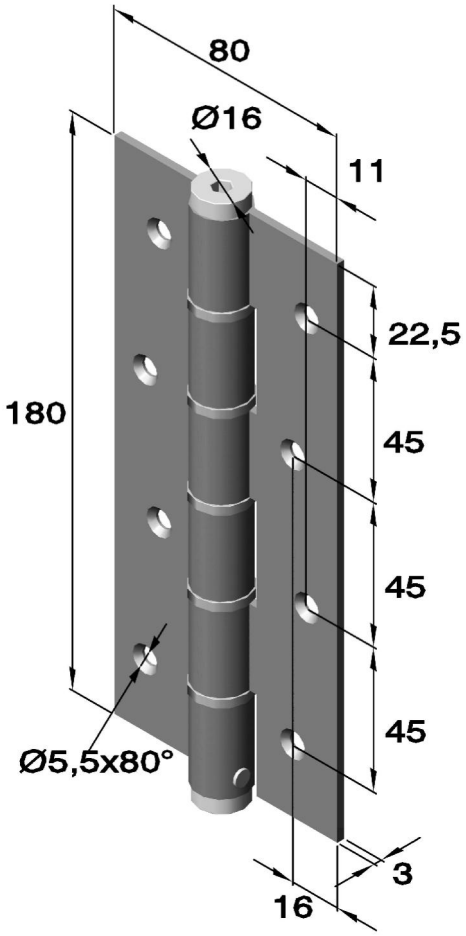
Article no.		Load in kg	
Series	Material Stainless steel brushed 1.4301	By 2 Hinges	By 3 Hinges
158.5414.05	.30	12	24

This article will be delivered only as a pair.
The door closes automatically,
Installed mechanism is very robust and adjustable.
Max. opening angle 180°.

Art.no. 158. 5914.__.__ (adjustable spring force)

Double joint hinge/Swing door hinge
with integrated spring





Article no.		Load in kg	
Series	Material Stainless steel brushed 1.4301	By 2 Hinges	By 3 Hinges
158.5914.05	.30	24	36

This article will be delivered only as a pair.
The door closes automatically,
Installed mechanism is very robust and adjustable.
Max. opening angle 180°.

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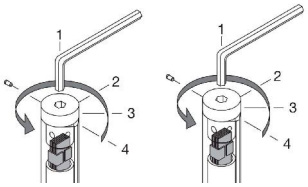
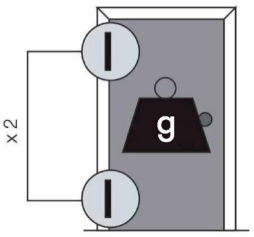
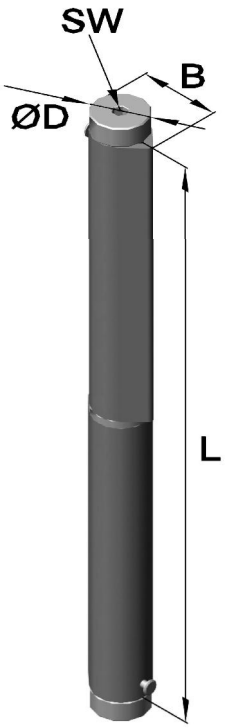
Spring hinges
Stainless steel

Art.no. 158.I-5___.__ (adjustable spring force)

with integrated spring





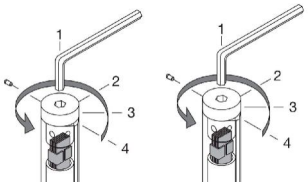


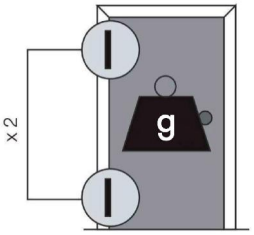
Article no.		Dimensions in mm				Spring load in kg
Series	Material Stainless steel raw (V2A)	L	B	SW	ØD	g
158.I-5524	.05.30	120	21	5	18	20
158.I-5324	.05.30	180	21	5	18	40
158.I-5124	.05.30	235	26	5	22	60

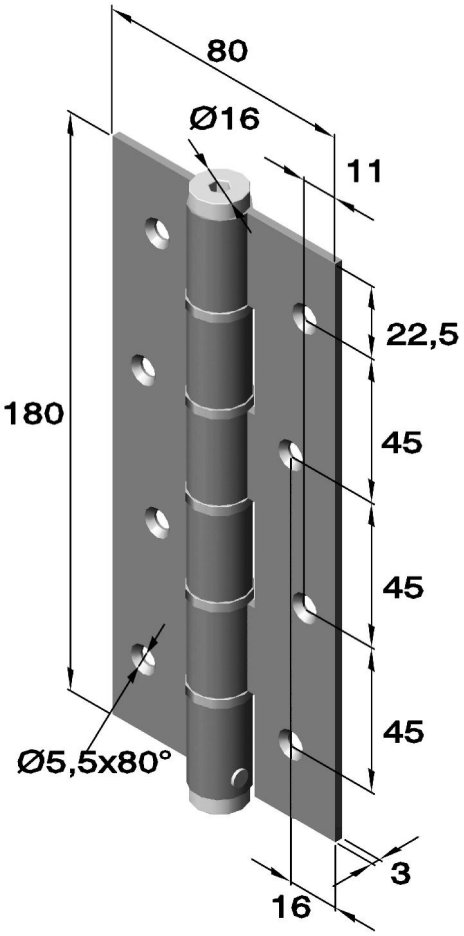
This article will be delivered only as a pair.
The door closes automatically,
Installed mechanism is very robust and adjustable.
Max. opening angle 180°.

Art.no. 158.I-5___.__(adjustable spring force)

with integrated spring, with ball bearing







Article no.		Dimensions in mm				Spring load in kg
Series	Material Stainless steel raw (V2A)	L	B	SW	ØD	g
158.I-5334	.05.30	180	21	5	18	60
158.I-5134	.05.30	235	26	5	22	120

This article will be delivered only as a pair.
The door closes automatically,
Installed mechanism is very robust and adjustable.
Max. opening angle 180°.

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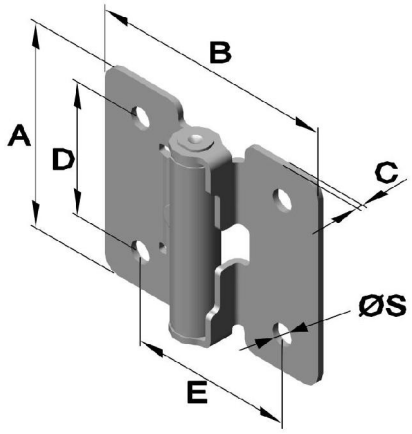
Torque hinges
Stainless steel

Art.no.:150.HG-TS (perforated)

with constant torque.

The indicated torques can have tolerances.

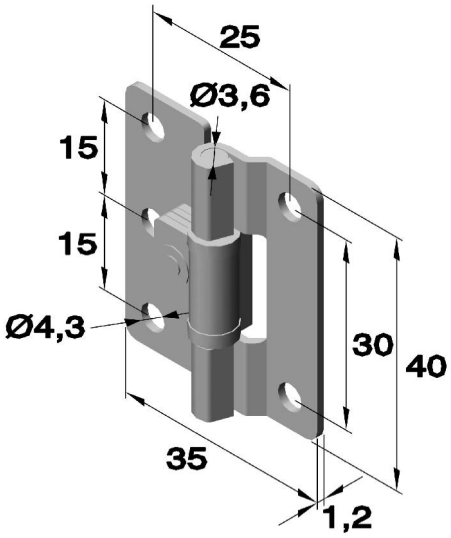


Article no.			Dimensions in mm						Torques in N.m.
Series	Execution	Material: Stainless steel ball-polished 1.4301	A	B	C	D	E	ØS	
150.HG-TS	03	.30	36	32	1,2	18	21	4,3	0,35
	07	.30	48	40	1,2	26	32	4,3	0,7
	15	.30	48	50	2	36	32	4,3	1,5

Art.no.:150.SFTH (perforated)

with constant torque.

The indicated torques can have tolerances.

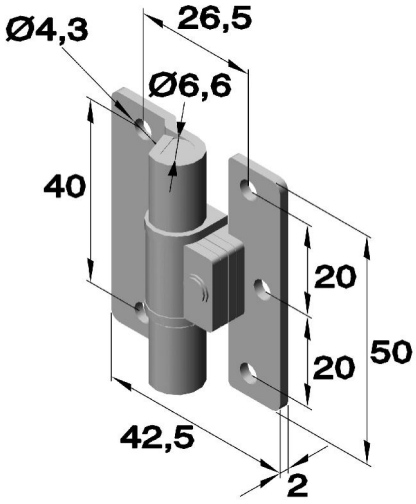


Article no.			Torques in N.m.
Series	Execution	Material: Stainless steel ball-polished 1.4301	
150.SFTH	-02-5	.30	0,5

Art.no.:150.SFTH (perforated)

with constant torque.

The indicated torques can have tolerances.



Article no.			Torque in N.m.
Series	Execution	Material: Stainless steel ball-polished 1.4301	
150.SFTH	-03-9	.30	0,9
	-03-19	.30	1,9

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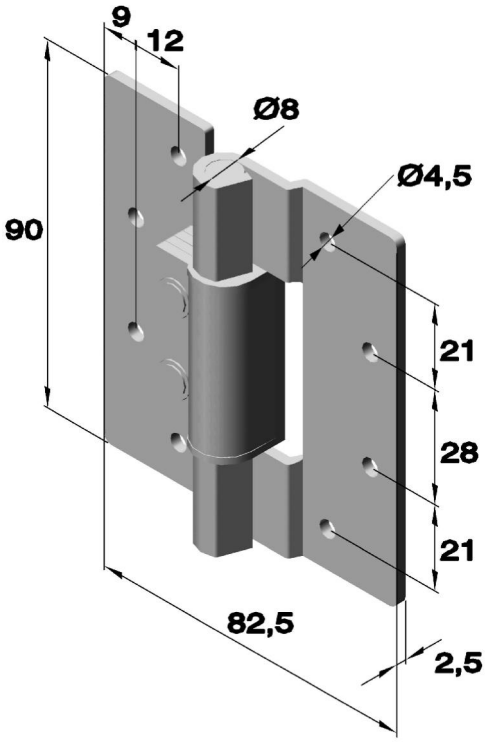
Torque hinges
Stainless steel

Art.no.:150.SFTH (perforated)

with constant torque.

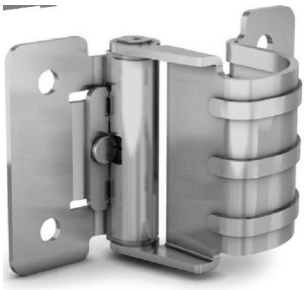
The indicated torques can have tolerances.

Article no.			Torque in N.m.
Series	Execution	Material Stainless steel ball-polished 1.4301	
150.SFTH	-05-35	.30	3,4
	-05-58	.30	5,7



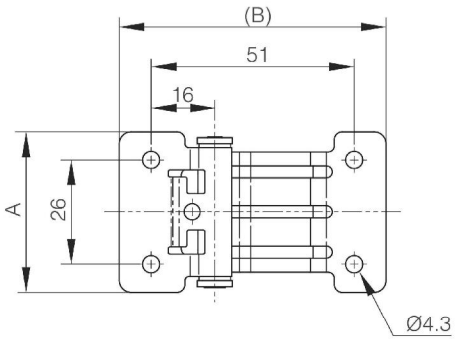
Art.no. 6493 (perforated)

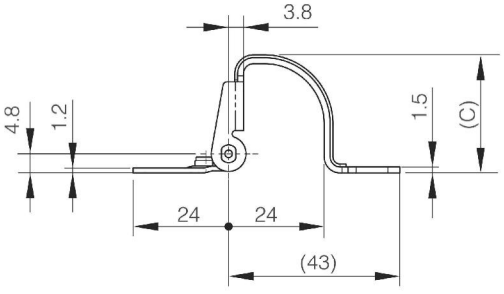
Hinges with invisible stop
with constand torque

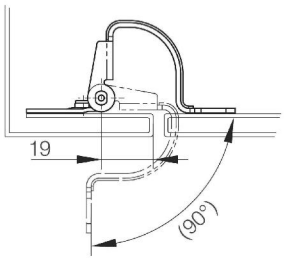


The indicated torques can have tolerances.

Article no.			Dimensions in mm			Torque in N.m.
Series	Execution	Material Stainless steel ball-polishes 1.4016	A	B	C	
6493	.01	.33	40	67	29.5	0,7







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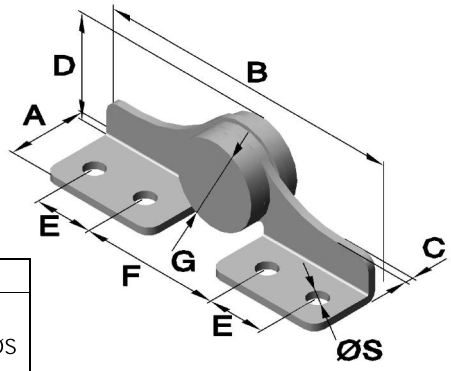
Torque hinges
Stainless steel

Art.no.:150.HG-TA (perforated)

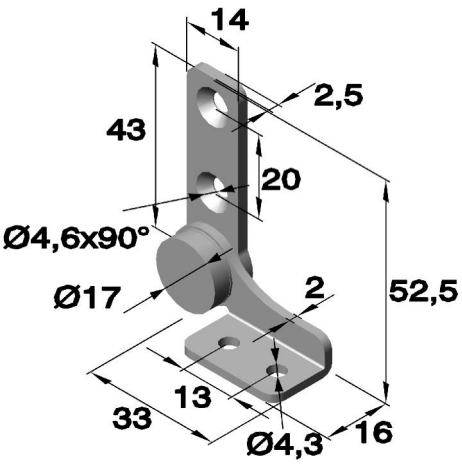


with constant torque.

The indicated torques can have tolerances.

Article no.			Torque in N.m.	Dimensions in mm						
Series	Execution	Material: Stainless steel ball-polished 1.4016		A	B	C	D	E	F	ØS
150.HG-TA	20L (left)	.30	2	18,5	66	2	18	13	27	4,3
	20R (right)	.30								
	30L (left)	.30	3							
	30R (right)	.30								
	45L (left)	.30	4,5	23,5	80	2	25	15	34	5,3
	45R (right)	.30								

Art.no.:150.HG-TB (perforated and countersunk)

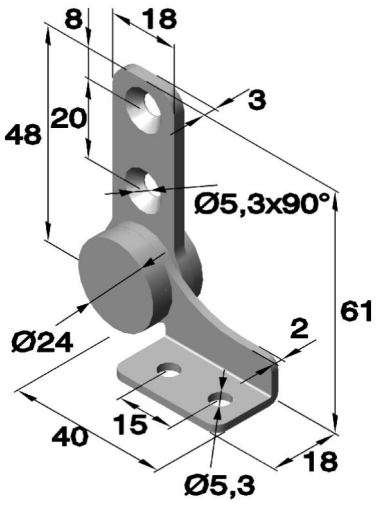


with constant torque.

The indicated torques can have tolerances.

Article no.			Torque in N.m.
Series	Execution	Material: Stainless steel ball-polished 1.4016	
150.HG-TB	20L (left)	.30	2
	20R (right)	.30	
	30L (left)	.30	3
	30R (right)	.30	

Art.no.:150.HG-TB (perforated and countersunk)



with constant torque.

The indicated torques can have tolerances.

Article no.			Torque in N.m.
Series	Execution	Material: Stainless steel ball-polished 1.4016	
150.HG-TB	45L (left)	.30	4,5
	45R (right)	.30	

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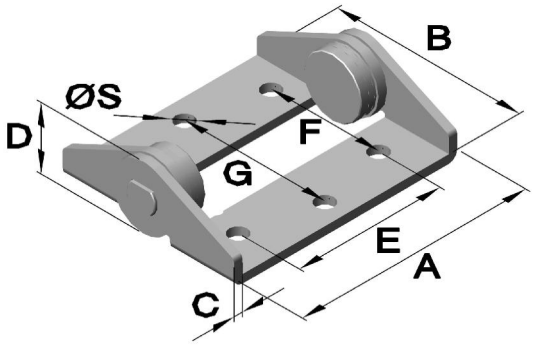
Torque hinges
Stainless steel

Art.no.:150.HG-IT (perforated)

with constant torque.

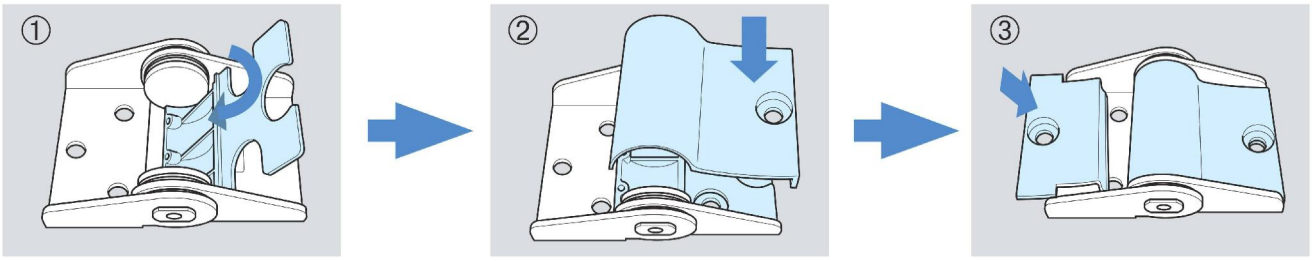


The indicated torques can have tolerances.

Article no.			Torque in N.m.	Dimensions in mm							
Series	Execution	Material Stainless steel ball-polished 1.4301		A	B	C	D	E	F	G	ØS
150.HG-IT	S25	.30	2,5	54	44	2	15,5	34	26	34	4,3
	S35	.30	3,5								
	SF	.30	freely swinging								
	M50	.30	5,0	54	80	2	25	34,8	36	66	5,3
	M70	.30	7,0								
	MF	.30	freely swinging								

Cover for Art.no.:150.HG-IT

Article no.		Material
Series	Execution	Plastic
150.HG-IT	SC	ABS
150.HG-IT	MC	ABS



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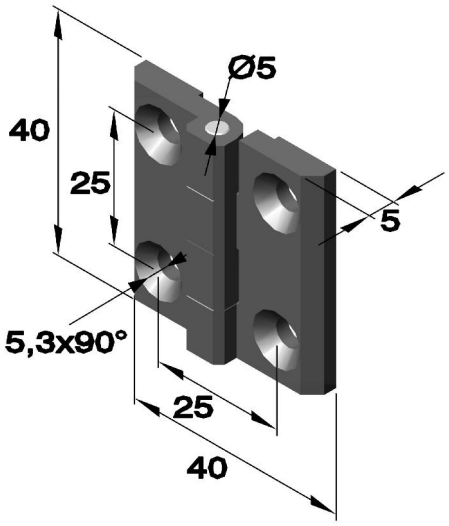
Plant engineering hinges
Stainless steel

Art.no.:HF10 (perforated and countersunk)

with stainless steel pin.

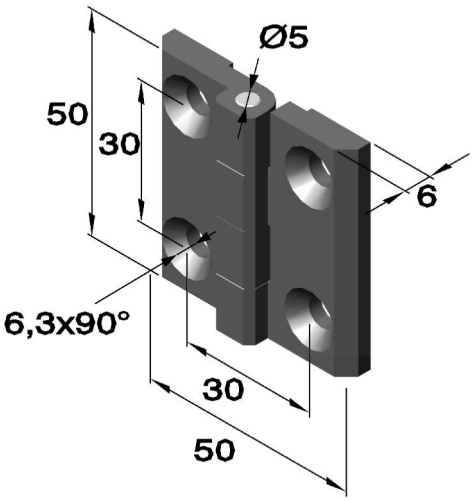
Article no.	
Series	Material
	Stainless steel satin finished
	1.4301
HF10	ES-T3



Art.no.:HF30 (perforated and countersunk)

with stainless steel pin.

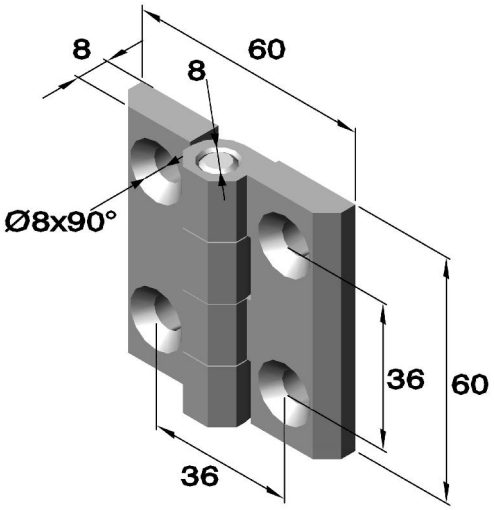
Article no.	
Series	Material
	Stainless steel satin finished
	1.4301
HF30	ES-T4



Art.no.:HF50 (perforated and countersunk)

with stainless steel pin.

Article no.	
Series	Material
	Stainless steel satin finished
	1.4301
HF50	ES-T3



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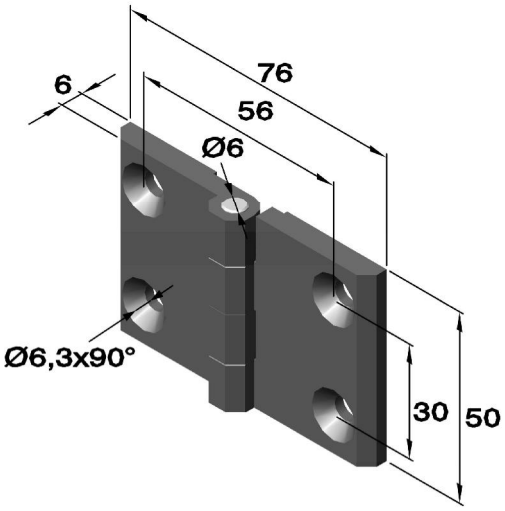
Plant engineering hinges
Stainless steel

Art.no.:HF30 (perforated and countersunk)

with stainless steel pin.

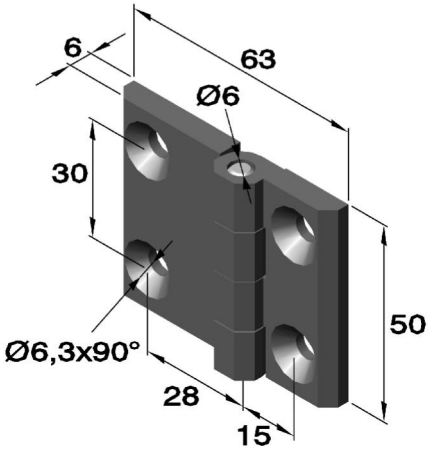
Article no.	
Series	Material
	Stainless steel satin finished
	1.4301
HF30	ES-T10



Art.no.:HF40 (perforated and countersunk)

with stainless steel pin.

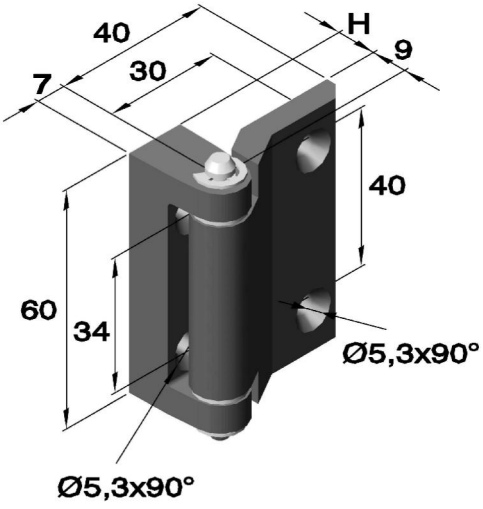
Article no.	
Series	Material
	Stainless steel satin finished
	1.4301
HF40	ES-T3-1



Art.no.:HC90 (perforated and countersunk)

pin in hardened steel.

Article no.		Dimensions in mm
Series	Material	
	Stainless steel satin finished	
	1.4301	H
HC90	ES-T-0	0



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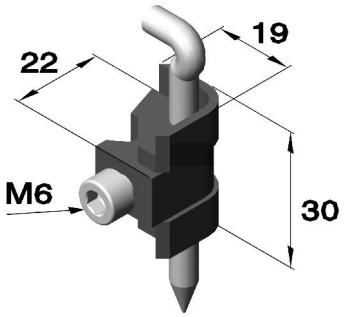
Plant engineering hinges
Stainless steel

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Art.no.:HC10 (with internal thread)

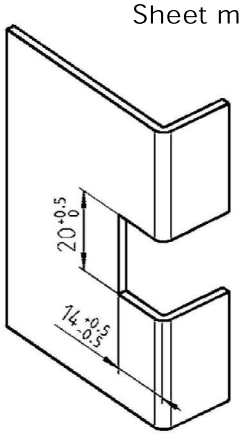
with zinc plated pin.

Sheet thickness 1,5-2,0mm



Article no.	
Series	Material
	Stainless steel satin finished
	1.4301
HC10	ES-T20-1

Sheet metal cut out



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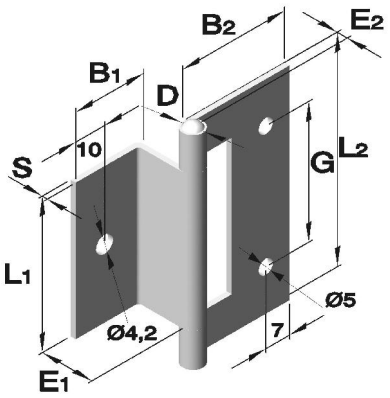
Cranked hinges
Stainless steel

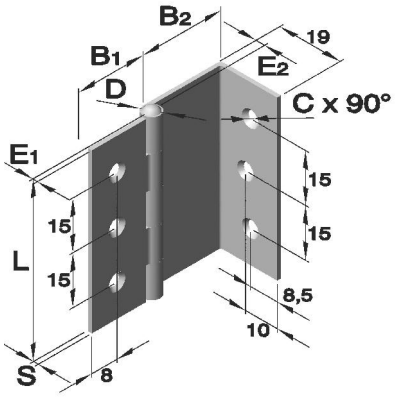
Art.no.:6031
with fixed pin in stainless steel, perforated

Article no.			Dimensions									
Series	Execution	Material: Stainless steel shiny 1.4401	L1	L2	B1	B2	D	E1	E2	G	S	Pin Ø
6031	.02	.35	40	60	21,5	30	6	14,5	3	36	1,5	3



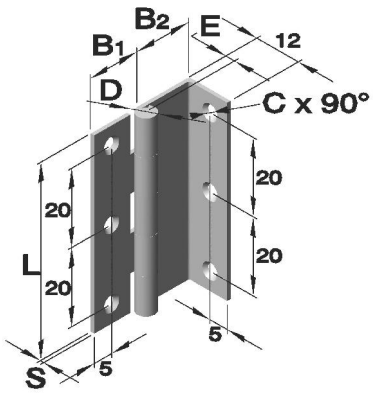
Art.no.:6032 (perforated and countersunk)
with fixed pin in stainless steel

Article no.			Dimensions in mm								
Series	Execution	Material: Stainless steel polished 1.4016	L	B1	B2	C Ø	D	E1	E2	S	Pin Ø
6032	.01	.30	50	20,3	24,5	4,8	5,4	1,5	2,7	1,2	3



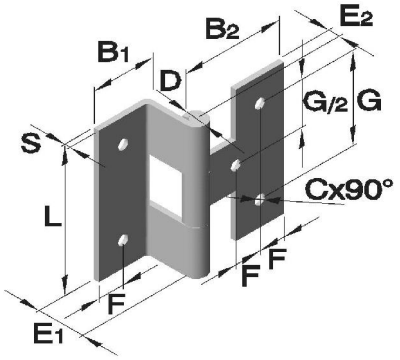
Art.no.:6033 (perforated and countersunk)
with fixed pin in stainless steel

Article no.			Dimensions in mm							
Series	Execution	Material: Stainless steel shiny 1.4016	L	B	B2	C Ø	D	E	S	Pin Ø
6033	.01	.30	50	13,5	15	4	5	2.5	1	3



Art.no.:6038 (perforated and countersunk)
with fixed pin in stainless steel.

Article no.			Dimensions in mm										
Series	Execution	Material: Stainless steel 1.4301	L	B1	B2	C Ø	D	E1	E2	F	G	S	Pin Ø
6038	.03	.30	38	17	31	2,8	6	16,5	3	7	24	1,5	3



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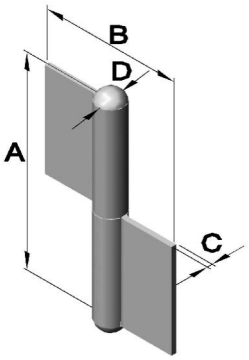
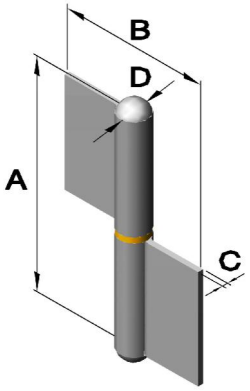
Weld on hinges
Stainless steel

Art.no: 6072
with fixed steel pin without intermediate ring.



Article no.			Dimensions in mm				
Series	Execution	Material Stainless steel 1.4301	A	B	D	C	Pin
6072	.01	.30	60	40	8,3	1,5	5,3
6072	.02	.30	80	50	10	2	6

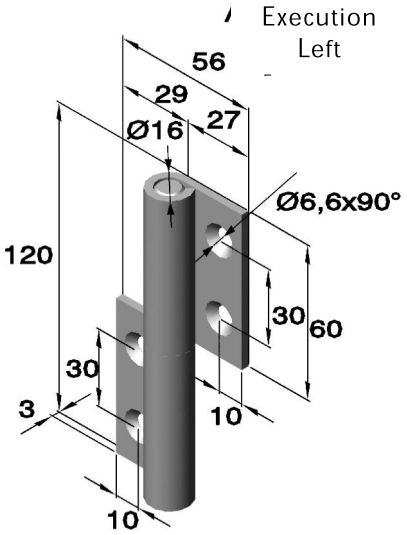
Art.no: 6072
with fixed steel pin and brass intermediate ring



Article no.			Dimensions in mm				
Series	Execution	Material Stainless steel 1.4301	A	B	C	D	Pin Ø
6072	.03	.30	61,5	40	1,5	8,3	5,3
6072	.04	.30	81,5	50	2	10	6

Art.no: F2879_(drilled and countersunk)
with welded stainless steel pin,

Trade welded.



Article no.			Pin Ø
Execution		Material	
Left	Right	Raw Stainless steel 1.4571	
F28795/F28797	F28796/F28797	.30	10

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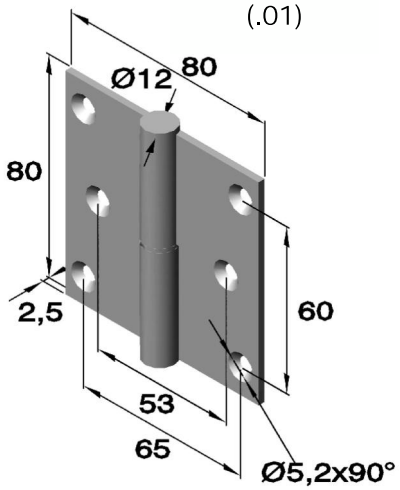
Weld on hinges
Stainless steel

Art.no: 6088 (drilled and countersunk)
with fixed steel pin and steel intermediate ring.

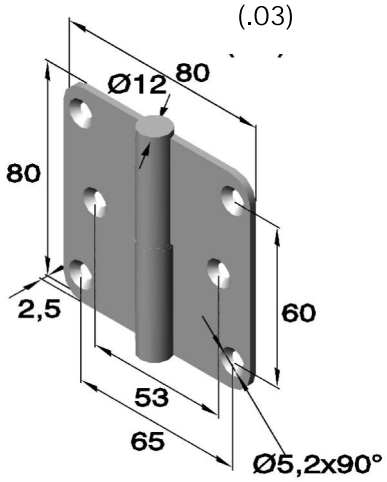
Execution
(.01)



Article no.			
Series	Execution		Material
			Stainless steel brushed
	Left	Right	1.4301
6088	.01	.02	.30

Art.no: 6088 (drilled and countersunk)
with fixed steel pin and steel intermediate ring.

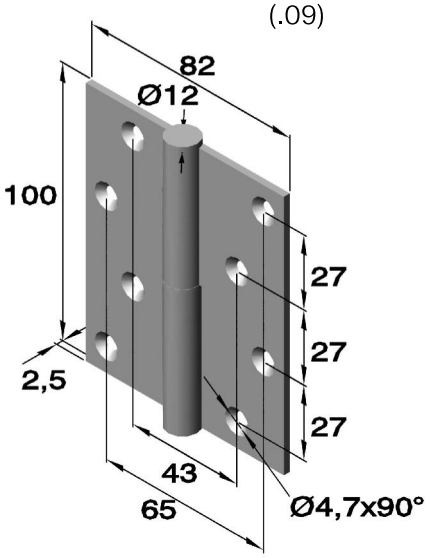
Execution:
(.03)



Article no.			
Series	Execution		Material
			Stainless steel brushed
	left	right	1.4301
6088	.03	.04	.30

Art.no: 6088 (drilled and countersunk)
with fixed steel pin and steel intermediate ring.

Execution:
(.09)



Article no.			
Series	Execution		Material
			Stainless steel brushed
	Left	Right	1.4301
6088	.09	.10	.30

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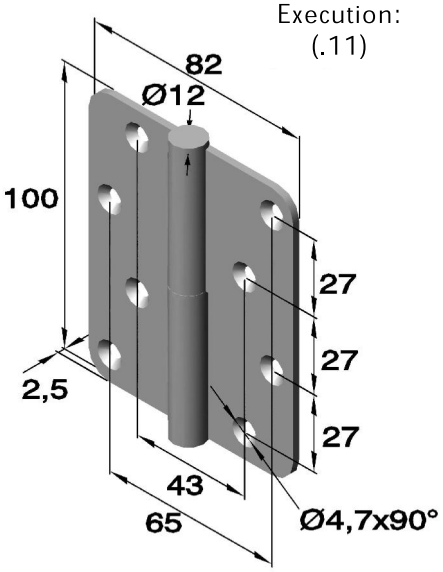
Weld on hinges
Stainless steel

Art.no: 6088 (drilled and countersunk)
with fixed steel pin and steel intermediate ring.

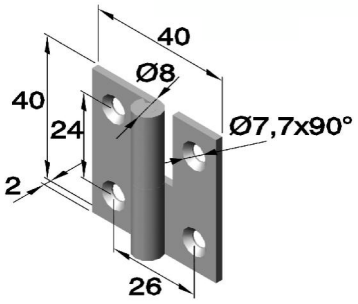
Execution:
(.11)



Article no.			
Series	Execution		Material
			Stainless steel brushed
	left	right	1.4301
6088	.11	.12	.30

Art.no: 99.40402 (drilled and countersunk)
with stainless steel pin, without intermediate ring

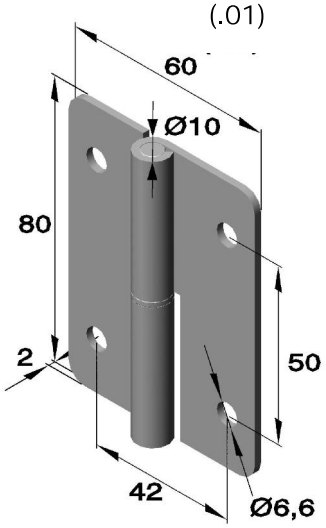
Execution
(.AL)



Article no.				
Series	Material	Execution		Pin Ø
	electro polished	Left	Right	
	Stainless steel			
99.40402	.33	/AL	/AR	4

Art.no: 6129 (drilled)
with stainless steel pin, with intermediate ring

Execution
(.01)



Article no.				
Series	Execution		Material	Pin Ø
	Left	Right	Raw	
			Stainless steel	
6129	.01	.02	.30	6

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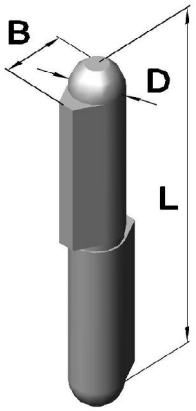
Weld on hinge rolls
Stainless steel

Weld on hinge rolls „ABR" with round endings.

FVS with fixed stainless steel pin and stainless steel intermediate ring.
AVS with pull-out stainless steel pin and stainless steel intermediate ring.

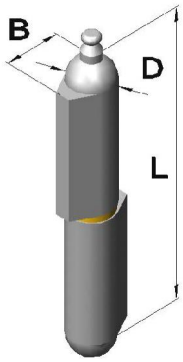
Article no.					Dimensions in mm			
Series	L	Execution		Material Stainless steel (V2A)	D	B	d	Load ca. in kg
ABR	40	FVS	-	.30	8	10	5	130
ABR	50	FVS	-	.30	8	10	5	130
ABR	60	FVS	AVS	.30	10	12	6	180
ABR	80	FVS	AVS	.30	13	16	8	260
ABR	90	FVS	-	.30	13	16	8	260
ABR	100	FVS	AVS	.30	16	20	10	310
ABR	120	FVS	AVS	.30	16	20	10	310
ABR	135	FVS	-	.30	18	22,5	12	350
ABR	150	FVS	AVS	.30	20	25,5	13	400
ABR	180	FVS	AVS	.30	20	25,5	13	500



Article no.				Dimensions in mm			
Series	L	Execution	Material Stainless steel (V4A)	D	B	d	Load ca. in kg
ABR	80	FVS	.35	13	16	8	260
ABR	100	FVS	.35	16	20	10	310

Weld on hinge rolls „ABN" with round endings and lubrication cup.

FES with fixed steel pin and brass intermediate ring
FMS with fixed brass pin and brass intermediate ring



Article no.					Dimensions in mm			
Series	L	Execution		Material Stainless steel (V2A)	D	B	Pin Ø	Load ca. in kg
ABN	80	FES	FMS	.30	13	16	8	130
ABN	100	FES	FMS	.30	16	20	10	200
ABN	120	FES	FMS	.30	16	20	10	200
ABN	135	FES	FMS	.30	18	22,5	12	250
ABN	150	FES	FMS	.30	20	25,5	13	290
ABN	180	FES	FMS	.30	20	25,5	13	290
ABN	200	FES	FMS	.30	23	29	16	350

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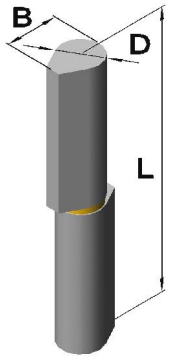
Weld on hinge rolls
Stainless steel

Weld on hinge rolls „ABF" with flat endings

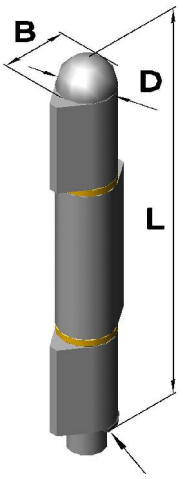
FVS with fixed stainless steel pin and brass intermediate ring.



Article no.				Dimensions in mm			
Series	L	Execution	Material Stainless steel (V2A)	D	B	Pin Ø	Load ca. in kg
ABF	60	FVS	.30	10	12	6	180
ABF	80	FVS	.30	13	16	7	180
ABF	100	FVS	.30	16	20	9	260
ABF	120	FVS	.30	16	20	9	260

Weld on hinge rolls „AB" 3-parts

AVS with pull-out stainless steel pin and brass intermediate ring



Lock washer

Article no.				Dimensions in mm			
Series	L	Execution	Material Stainless steel (V2A)	D	B	Pin Ø	Load ca. in kg
AB	135/3	AVS	.30	18	22,5	12	790
AB	150/3	AVS	.30	20	25,5	13	960
AB	180/3	AVS	.30	20	25,5	13	1300

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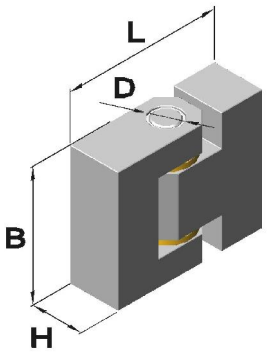
Weld on hinges rolls
Stainless steel

Welded joints „AG" with fixed steel pin

FES on self-lubricating bushings stored and brass intermediate ring.



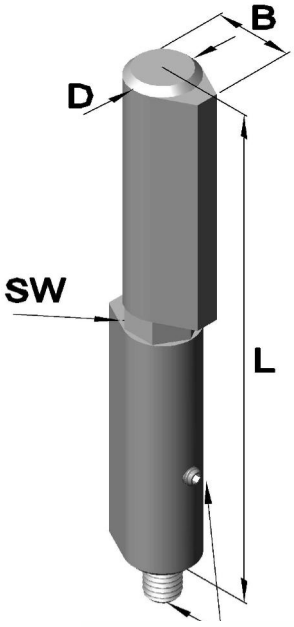
Article no.				Dimensions in mm			
Series	L	Execution	Material Stainless steel (V2A)	B	H	D	Load ca. in kg
AG	70	FES	.30	60	25	12	4000

„Horizontal and vertical adjustable"

Weld on hinge rolls „AB"
„Horizontal and vertical adjustable"

AVS with pull-out stainless steel pin

Article no.				Dimensions				
Series	L	Execution	Material Stainless steel (V2A)	D	B	Pin Ø	SW	Load ca. in kg
AB	118	AVS-3D	.30	20	25,5	12	17	-



Threaded pin

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Weld on hinges

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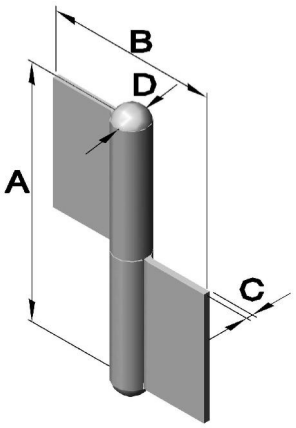
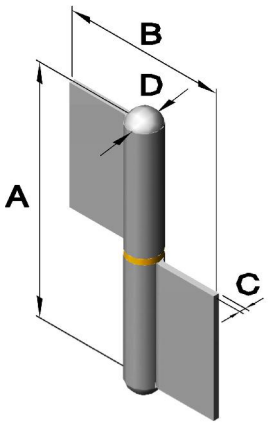
Weld on hinges

Art. no.: 6072
with fixed steel bolt



Article no.				Dimensions in mm				
Series	Execution	Material		A	B	D	C	Pin
		Raw Steel	Raw Stainless steel					
6072	.01	.00	.30	60	40	8,3	1,5	5,3
6072	.02	.00	.30	80	50	10	2	6
6072	.05	.00	-	80	40	8,3	1,5	5,3

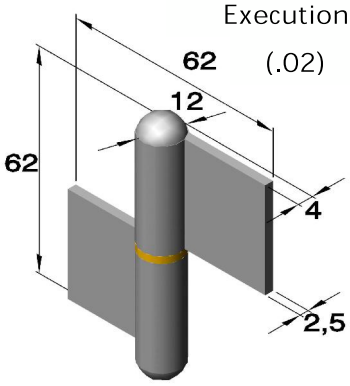
Art. no.: 6072
with fixed steel bolt and brass intermediate ring



Article no.				Dimensions in mm				
Series	Execution	Material		A	B	C	D	Pin Ø
		Raw Steel	Raw Stainless steel					
6072	.03	.00	.30	61,5	40	1,5	8,3	5,3
6072	.04	.00	.30	81,5	50	2	10	6

Art. no.: 6073
with extractable steel pin and brass intermediate ring

Execution (.02)



Article no.			
Series	Execution		Material
	Left	Right	Raw Steel
6073	.01	.02	.00

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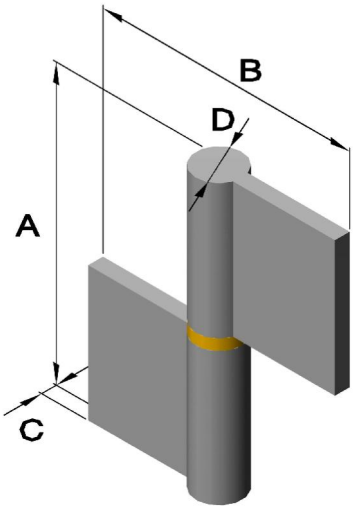
Weld on hinges

Art.no: 6098

with fixed steel pin and brass intermediate ring

Article no.			Dimensions in mm				
Series	Execution	Material Raw Steel	A	B	C	D	Pin Ø
6098	.01	.00	63	80	4,2	15,5	8
6098	.02	.00	83,5	80	5,1	16	8
6098	.03	.00	104	92	5,5	17	9
6098	.04	.00	124	108	6,5	19	10
6098	.05	.00	144	108	6,5	19	10

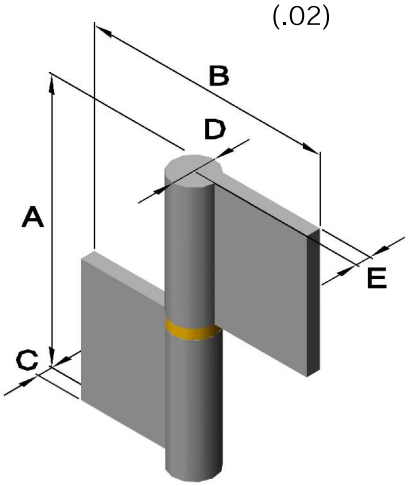


Art.no: 6099

with fixed steel pin and brass intermediate ring

Execution:
(.02)

Article no.				Dimensions in mm					
Series	Execution		Raw	A	B	D	E	S	Pin Ø
	Left	Right	Steel						
6099	.02	.07	.00	83,5	63	16	5,1	5,1	8
6099	.03	.08	.00	104	92	17	5,5	5,5	9

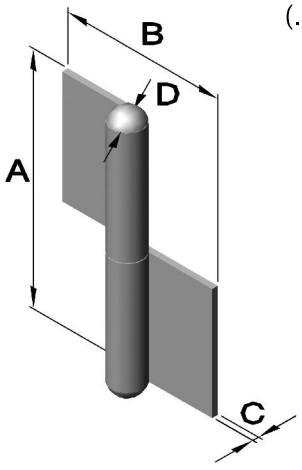


Art.no: 6120

with fixed steel pin

Execution
(.01)

Article no.				Dimensions in mm					
Series	Execution		Material Raw Steel	L	B	D	E	S	Pin Ø
	Left	Right							
6120	.01	.02	.00	60	40	8,4	4,2	1,5	5,3
6120	.03	.04	.00	80	48	10	5	2	6



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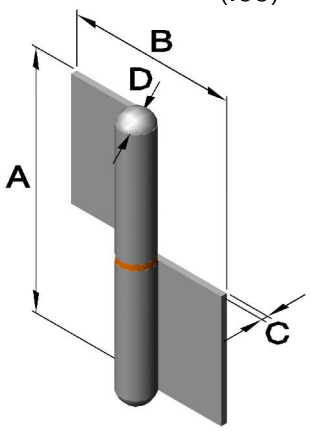
Weld on hinges

Art.no: 6120
with fixed steel pin and brass intermediate ring

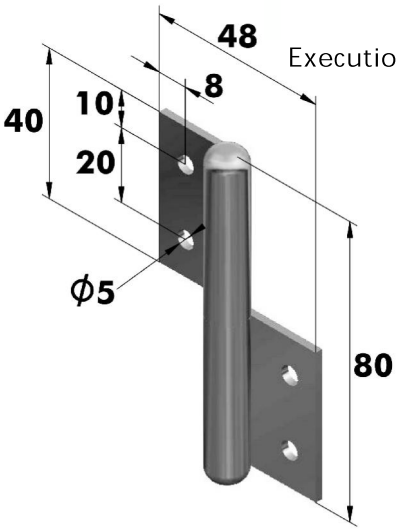
Execution (.05)



Article no.				Dimensions in mm				
Series	Execution		Material	A	B	C	D	Pin Ø
	Left	Right	Raw / Steel					
6120	.05	.06	.00	61,5	40	1,5	8,4	5,3
6120	.07	.08	.00	81,5	48	2	10	6

Art.Nr: 6120
ohne Unterlegscheibe

Execution (.10)

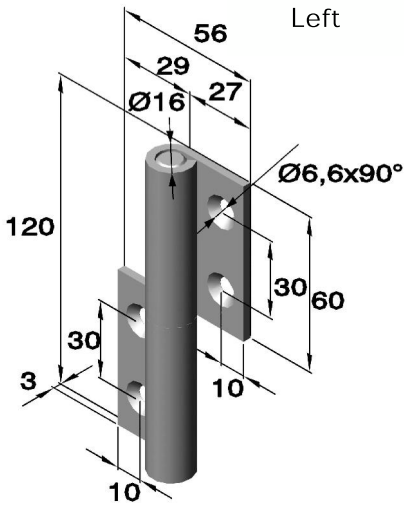


Article no.				Dimensions in mm
Series	Execution		Material	
	Left	Right	-	
			Steel	Pin-Ø
6120	.09	.10	.30	6

Art.no: F2879_(drilled and countersunk)
with welded stainless steel pin

Trade welded.

Execution Left



Article no.			Pin Ø
Execution		Material	
Left	Right	Raw / Stainless steel 1.4571	
F28795/F28797	F28796/F28797	.30	10

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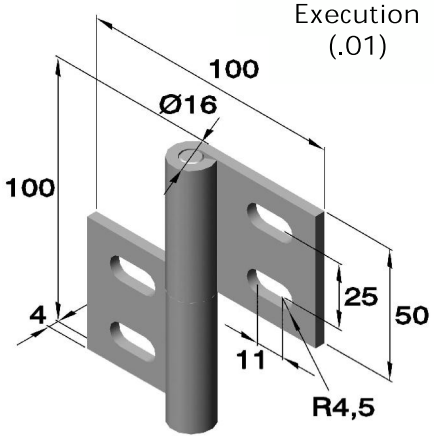
Weld on hinges

Art.no: 10010048 (drilled)

with stainless steel pin

Execution (.01)

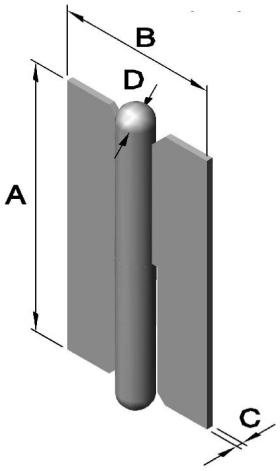


Article no.				Pin Ø
Series	Execution		Material	
	Left	Right	Raw	
			Stainless steel	
10010048	.01	.02	.30	8

Art.no: 6076

with fixed steel pin

Execution (.01)

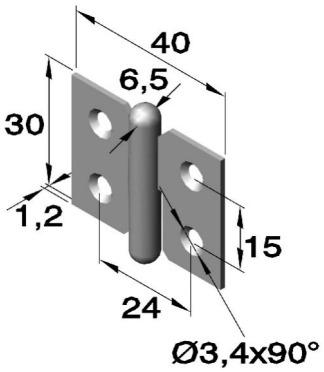


Article no.				Dimensions in mm				
Series	Execution		Material	A	B	C	D	Pin Ø
	Left	Right	Raw					
			Steel					
6076	.02	.01	.00	50	30	1,2	6,4	4
6076	.04	.03	.00	60	40	1,5	7	4

Art.no: 6077 (drilled and countersunk)

with fixed steel pin

Execution (.01)



Article no.			
Series	Execution		Material
	Left	Right	Nickel plated
			Steel
6077	.02	.01	.01

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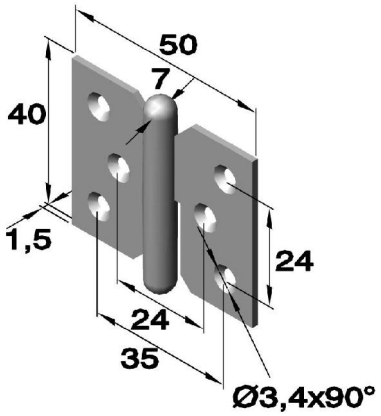
Weld on hinges

Art.no: 6078 (drilled and countersunk)
with fixed steel pin

Article no.			
Series	Execution		Material
	Left	Right	Nickel plated / Steel
6078	.02	.01	.01

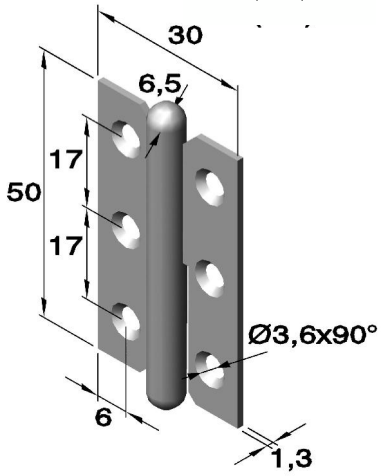
Execution (.01)



Art.no: 6079 (drilled and countersunk)
with fixed steel pin

Article no.			
Series	Execution		Material
	Left	Right	Nickel plated / Steel
6079	.01	.02	.01

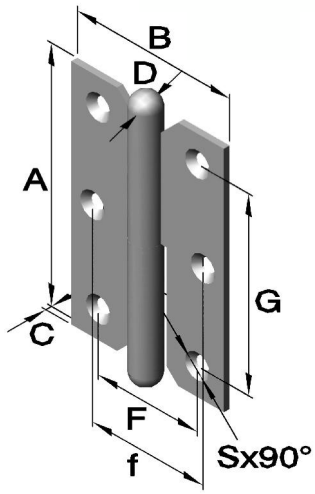
Execution (.01)



Art.no: 6080 (drilled and countersunk)
with fixed steel pin

Article no.				Dimensions in mm								
Series	Execution		Material	A	B	C	D	F	f	G	S Ø	Pin Ø
	Left	Right	Nickel plated / Steel									
6080	.02	.01	.01	60	40	1,5	7	26	29	46	3,4	4
6080	.04	.03	.01	70	45	1,5	7,5	30	33,5	54	4,5	4,5
6080	.06	.05	.01	80	50	1,5	8	31,5	35,5	62	4,5	5

Execution (.01)



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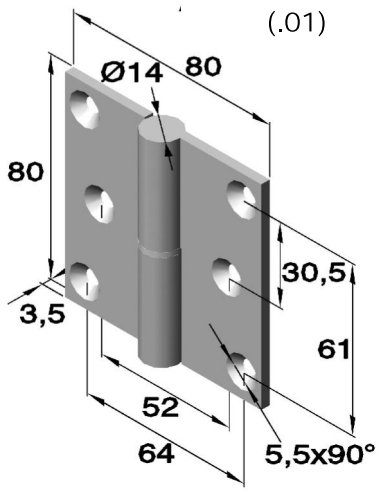
Weld on hinges

Art. no.: 6085 (drilled and countersunk)
with fixed, Zinc plated steel bolt and nylon coating

Article no.			
Series	Execution		Material
			Anodized silver
	Left	Right	Aluminium
6085	.01	.02	.70

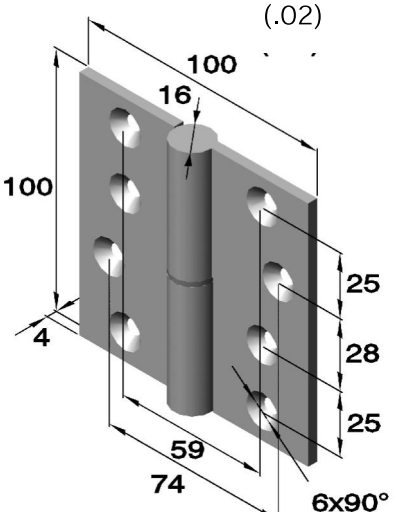
Execution (.01)



Art. no.: 6087 (drilled and countersunk)
with fixed, Zinc plated steel bolt and nylon coating,

Article no.			
Series	Execution		Material
			Anodized silver
	Left	Right	Aluminium
6087	.01	.02	.70

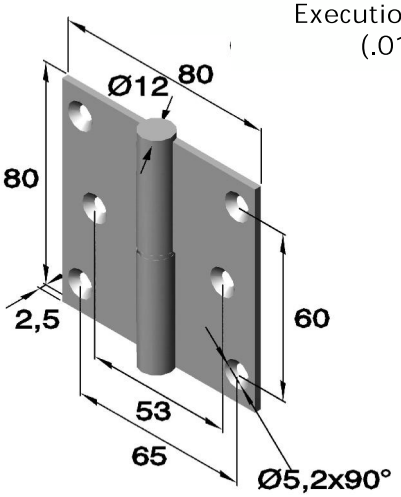
Execution (.02)



Art. no.: 6088 (drilled and countersunk)
with fixed steel bolt and steel intermediate ring

Article no.			
Series	Execution		Material
			Brushed
	Left	Right	Stainless steel
6088	.01	.02	.30

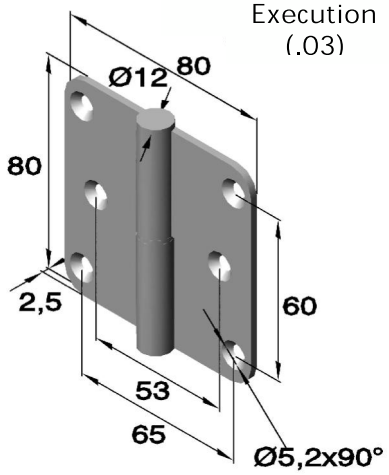
Execution (.01)



Weld on hinges

Art. no.: 6088 (drilled and countersunk)
with fixed steel bolt and steel intermediate ring

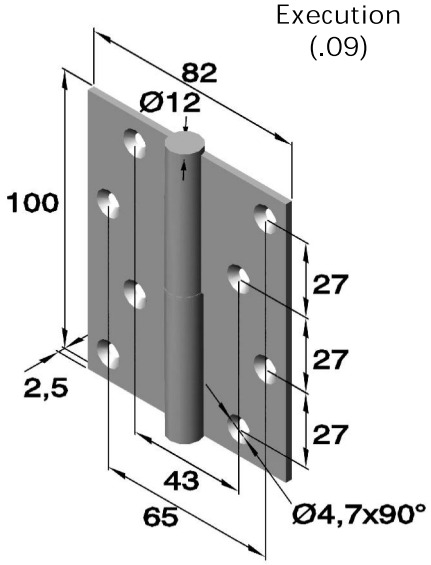
Execution (.03)



Article no.			
Series	Execution		Material
			Brushed
	Left	Right	Stainless steel
6088	.03	.04	.30

Art. no.: 6088 (drilled and countersunk)
with fixed steel bolt and steel intermediate ring

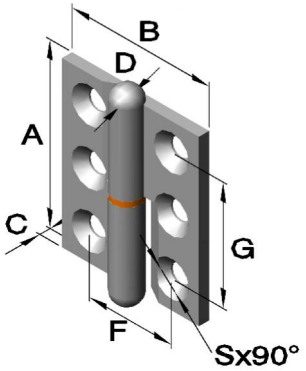
Execution (.09)



Article no.			
Series	Execution		Material
			Brushed
	Left	Right	Stainless steel
6088	.09	.10	.30

Art.no: 6125 (drilled and countersunk)
with fixed steel pin, with brass intermediate ring

Execution (.01)



Article no.				Dimensions in mm							
Series	Execution		Material	A	B	C	D	F	G	Ø S	Pin Ø
	Left	Right	Raw Steel								
6125	.01	.06	.00	48	40	3	8	24	32	4,5	4
6125	.02	.07	.00	60	50	3,5	10	30	40	5,5	5
6125	.03	.08	.00	72	60	4	12	36	48	6,5	6
6125	.04	.09	.00	84	70	4,5	14	42	56	7,5	7
6125	.05	.10	.00	96	80	5	16	48	66	8,5	8

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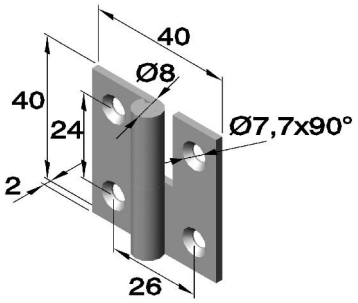
Weld on hinges

Art.no: 99.40402 (drilled and countersunk)

with stainless steel pin, without intermediate ring

Article no.				Pin Ø
Series	Material	Execution		
	Electro polished	Left	Right	
	Stainless steel			
99.40402	.33	/AL	/AR	4

Execution
(.AL)

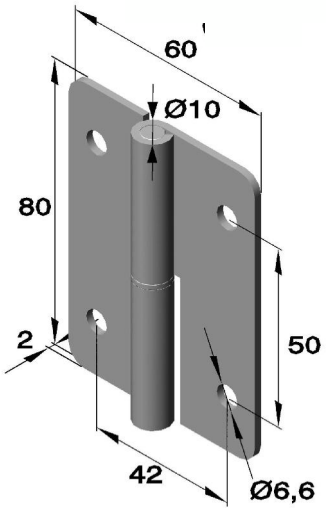


Art.no: 6129 (drilled)

with stainless steel pin, with intermediate ring

Article no.				Pin Ø
Series	Execution		Material	
	Left	Right	Raw	
			Stainless steel	
6129	.01	.02	.30	6

Execution
(.01)



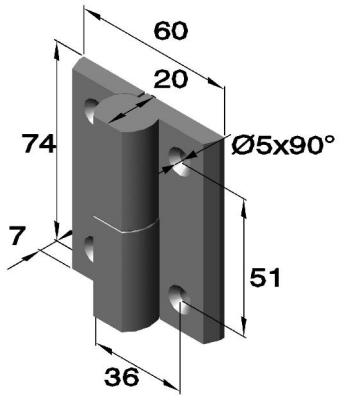
Art.no: 6124 (drilled and countersunk)

with stainless steel pin

Maximum load: 40kg

Article no.				
Series	Execution		Material	Pin Ø
	Left	Right	Raw	
			Polyamid	
6124	.01	.02	.80 Black	9,5

Execution
(.01)



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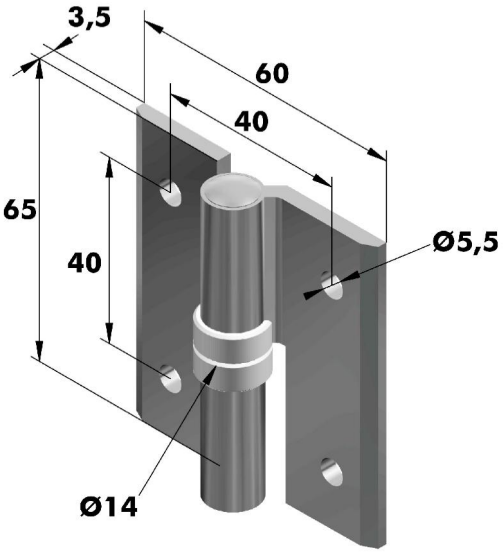
Weld on hinges

Art.no: 6961 (drilled)

with stainless steel pin 1.4301

No metal-metal contact.
Polyacetal sleeves minimize penetrating particles.
Adapted for Doors 600 x 800

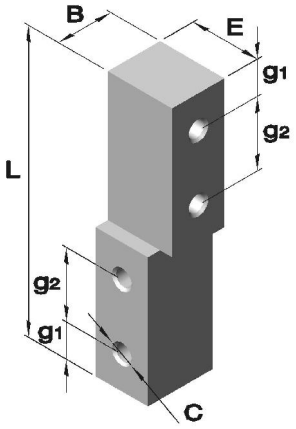
max. door weight: 8kg / Paar



Article no.				Dimensions in mm
Series	Execution		Material	Pin Ø
	Left	Right	Raw / Aluminium	
6961	.03	.04	.71	5

Art. no.: 6128

reinforced hinge hook bolts without intermediate ring
with internal thread

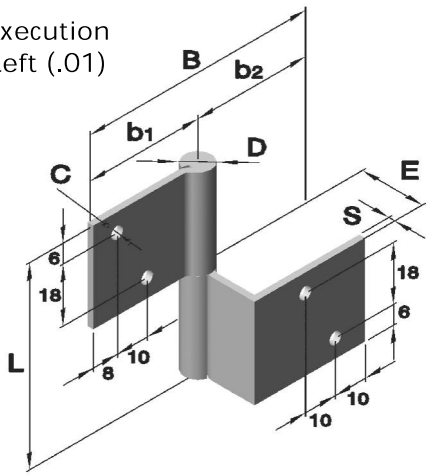


Article no.			Dimensions in mm						
Series	Execution	Material Brushed / Stainless steel	L	B	C Ø	E	g1	g2	Pin Ø
6128	.04	.30	64	13	M5x6	16	8	16	6
6128	.05	.30	76	13	M6x7,5	19	10	19	6

Art. no.: 6121 (drilled)

with fixed pin

Execution
Left (.01)



Article no.				Dimensions in mm								
Series	Execution		Material	L	B	b1	b2	C Ø	D	E	S	Pin Ø
	Left	Right	Raw / Stainless steel									
6121	.01	.02	.30	60	72	36	36	4	9	18	2	5

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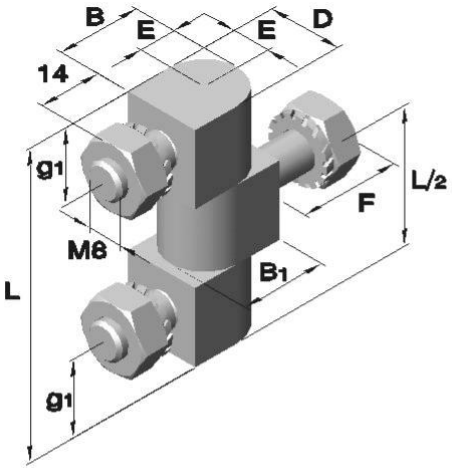
Weld on hinges

Art. no.: 6101

with extractable brass bolt
and zinc plated brass intermediate ring

Assembly kit with screw nuts and grommets.

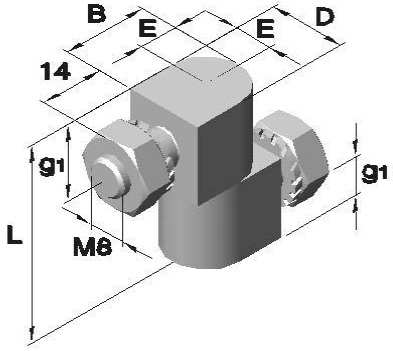


Article no.			Dimensions in mm					
Series	Execution	Material: Zinc plated / Steel	L	B	D	E	g1	Pin Ø
6101	.03	.04	33	18	16	8	8	8

Art.no: 6101

with extractable brass pin
and zinc plated brass intermediate ring

Assembly kit with screw nuts and grommets.

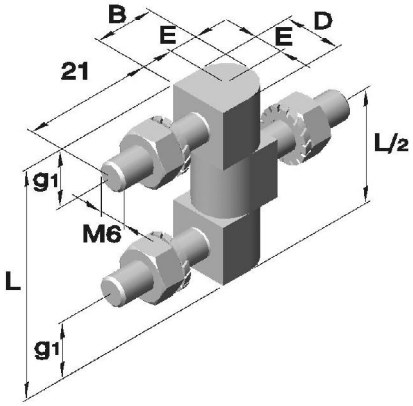


Article no.			Dimensions in mm					
Series	Execution	Material: Zinc plated / Steel	L	B	D	E	g1	Pin Ø
6101	.03	.04	33	18	16	8	8	8

Art. no.: 6101

with extractable steel bolt without intermediate ring

Assembly kit with screw nuts and grommets.

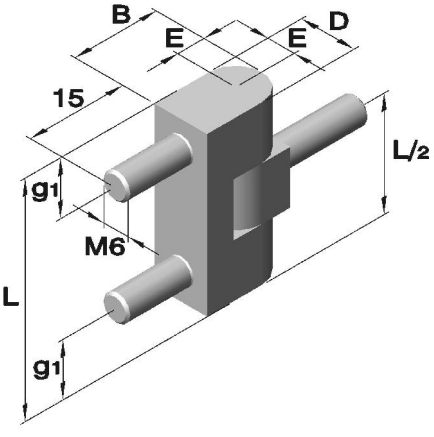


Article no.			Dimensions in mm					
Series	Execution	Material: Raw / Steel	L	B	D	E	g1	Pin Ø
6101	.04	.00	36	12,5	12	6	6	6

Art. no.: 6101

with extractable steel pin

Without screw nuts and grommets.



Article no.			Dimensions in mm					
Series	Execution	Material: Raw / Steel	L	B	D	E	g1	Pin Ø
6101	.05	.00	36	18,5	12	6	6	6

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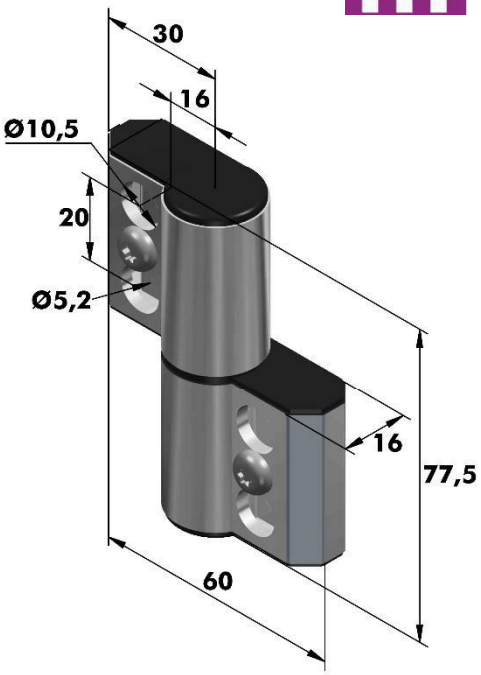
Weld on hinges

Art.no: 6198

VIDEO

with constant torque
Friction in one direction only.

Operating temperature: 0°C~ 50°C
Torque will decrease at low temperature.



Not suited to vibration enviroment.

Sold in pairs.

Article no.			
Series	Execution	Material Anodized Aluminium	Torque in Nm/Pair
6198	.01	.70	9
6198	.02	.70	9

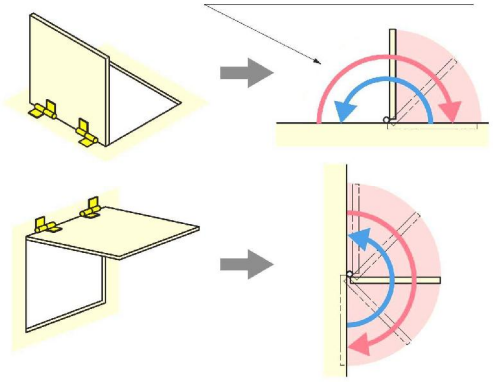
Shaft made of stainless steel; Covers made of „POM"

Torque and free stop range

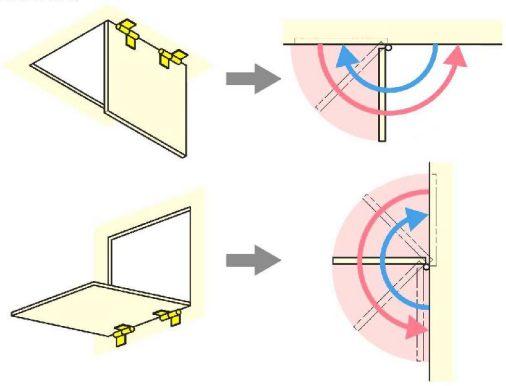
Free direction Torque direction Free stop range

6198.01.70

Range where torque is not effective, install stopper to hold the door.



6198.02.70



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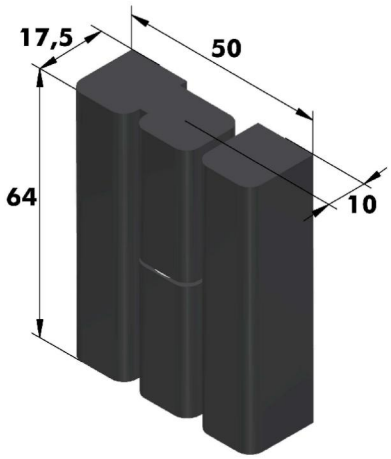
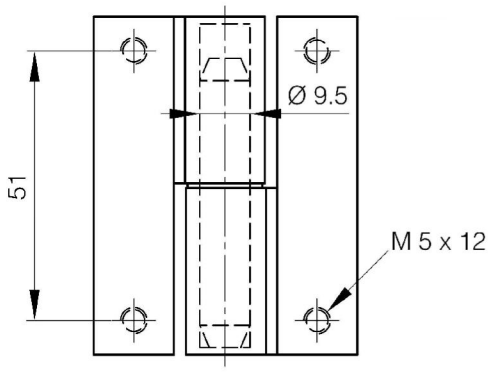
Weld on hinges

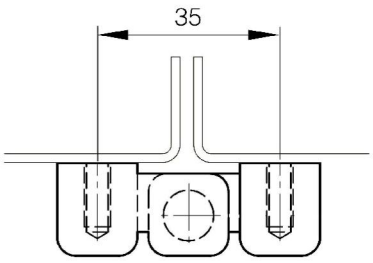
Art.no: 6196 (with internal thread)

washer is made of Nylon.



Article no.		
Series	Execution	Material
		Black
		Zamak
6196	.01	.56
6196	.02	.56



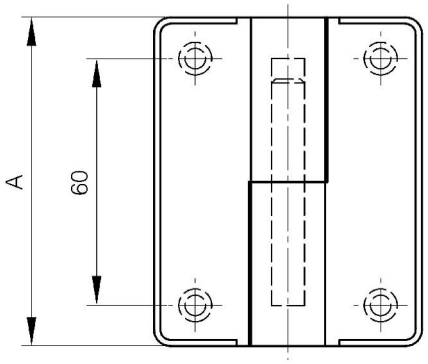


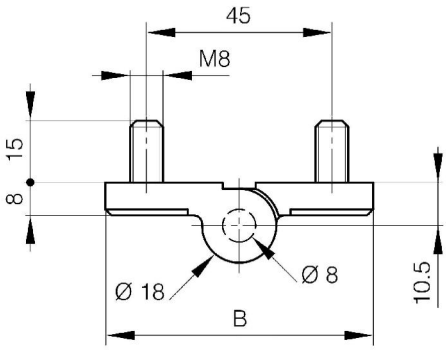
Art.no: 6195

Stainless steel pin

Fastening with stud bolt.

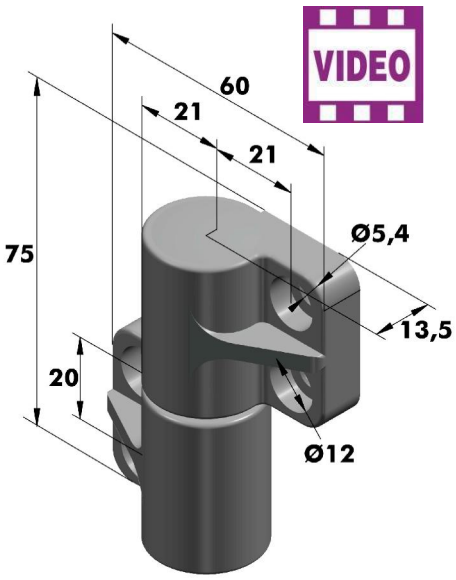
Article no.				Dimensions in mm	
Series	Execution		Material	A	B
	Left	Right	Black		
			Zamak		
6195	.01	.02	.56	60	72





Weld on hinges

Art.no.: 6879

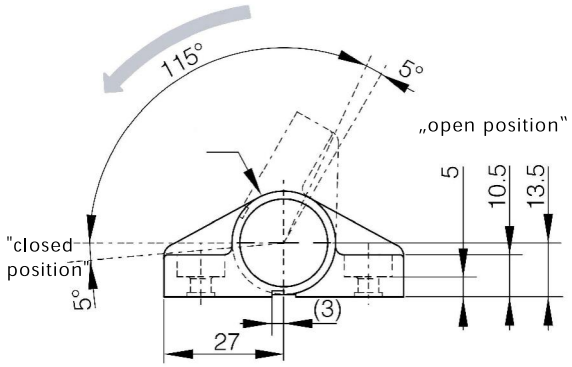


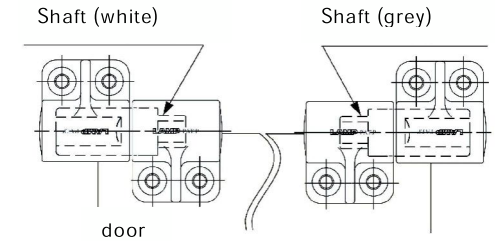
Soft-close damper keeps lid from slamming shut.
Opening angle: 115°.

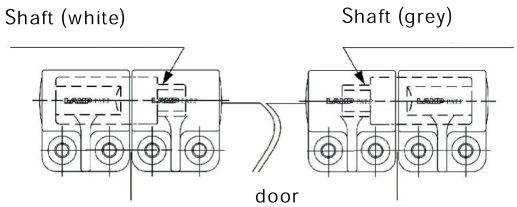
Do not use over 115°!
When the door opening angle is small, the dampers may not work smoothly.

Provide a door stopper to prevent from overturning beyond the. prescribed angle range.

Article no.			Torque in Nm/Pair
Series	Execution	Material Dark grey Plastic-PBT	
6879	01	.02	5~7
6879	02	.85	3~5







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Weld on hinge-rolls

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Weld on hinge-rolls

ABR	weld on hinge rolls with round ends
ABF	weld on hinge rolls with flat ends
AB	weld on hinge rolls 3-parts
ABN	weld on hinge rolls with grease nipple
AK	weld on ball pin
AG	weld on joint

Material:

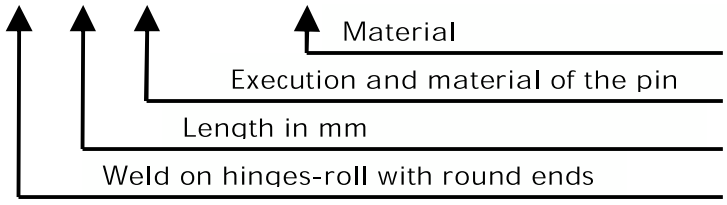
.00	raw steel
.30	raw stainless steel (V2A)
.35	raw stainless steel (V4A)
.70	raw aluminium

Execution and finishing of the pins:

FES	with fixed steel pin.
AES	with extractable steel pin.
FMS	with fixed brass pin.
AMS	with extractable brass pin.
FVS	with fixed stainless steel pin.
AVS	with extractable stainless steel pin.

Ordering example:

Art.no. ABR 100 FES .00/.30/.35/.70



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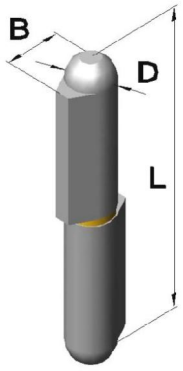
Weld on hinge-rolls

Weld on hinge-rolls „ABR" with round ends

FES with fixed steel pin and brass-intermediate ring
FMS with fixed brass pin and brass-intermediate ring

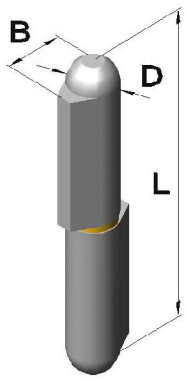
Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABR	40	FES	FMS	.00	8	10	5	65
ABR	50	FES	FMS	.00	8	10	5	65
ABR	60	FES	FMS	.00	10	12	6	80
ABR	70	FES	FMS	.00	10	12	6	80
ABR	80	FES	FMS	.00	13	16	8	130
ABR	90	FES	FMS	.00	13	16	8	130
ABR	100	FES	FMS	.00	16	20	10	200
ABR	120	FES	FMS	.00	16	20	10	200
ABR	135	FES	FMS	.00	18	22,5	12	250
ABR	150	FES	FMS	.00	20	25,5	13	290
ABR	180	FES	FMS	.00	20	25,5	13	290
ABR	200	FES	FMS	.00	23	29	16	350



Weld on hinge-rolls „ABR" with round ends

AES with extractable steel pin and brass-intermediate ring
AMS with extractable brass pin and brass-intermediate ring

Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABR	40	AES	AMS	.00	8	10	5	50
ABR	50	AES	AMS	.00	8	10	5	50
ABR	60	AES	AMS	.00	10	12	6	80
ABR	80	AES	AMS	.00	13	16	8	100
ABR	100	AES	AMS	.00	16	20	10	180
ABR	120	AES	AMS	.00	16	20	10	180
ABR	135	AES	AMS	.00	18	22,5	12	200
ABR	150	AES	AMS	.00	20	25,5	13	240
ABR	180	AES	AMS	.00	20	25,5	13	240
ABR	200	AES	AMS	.00	23	29	16	300



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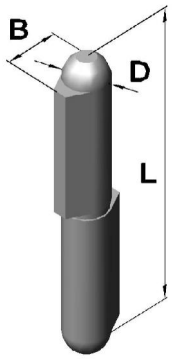
Weld on hinge-rolls

Weld on hinge-rolls „ABR" with round ends

FVS with fixed stainless steel pin and stainless steel intermediate ring.
AVS with extractable stainless steel pin and stainless steel intermediate ring.

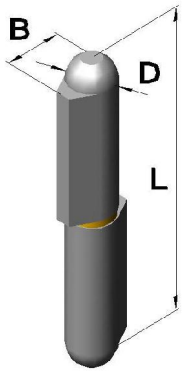
Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Stainless steel (V2A)	D	B	d	Load capacity ca. in kg
ABR	40	FVS	-	.30	8	10	5	130
ABR	50	FVS	-	.30	8	10	5	130
ABR	60	FVS	AVS	.30	10	12	6	180
ABR	80	FVS	AVS	.30	13	16	8	260
ABR	90	FVS	-	.30	13	16	8	260
ABR	100	FVS	AVS	.30	16	20	10	310
ABR	120	FVS	AVS	.30	16	20	10	310
ABR	135	FVS	-	.30	18	22,5	12	350
ABR	150	FVS	AVS	.30	20	25,5	13	400
ABR	180	FVS	AVS	.30	20	25,5	13	500



Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Stainless steel (V4A)	D	B	d	Load capacity ca. in kg
ABR	60	FVS	.35	13	16	8	160
ABR	80	FVS	.35	13	16	8	260
ABR	100	FVS	.35	16	20	10	400
ABR	120	FVS	.35	16	20	10	400
ABR	150	FVS	.35	20	25,5	13	580
ABR	180	FVS	.35	20	25,5	13	580

Weld on hinge-rolls „ABR" with round ends

FVS with fixed stainless steel pin and brass intermediate ring.
AVS with extractable stainless steel pin and brass intermediate ring.



Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Aluminium	D	B	d	Load capacity ca. in kg
ABR	60	FVS	AVS	.70	10	12	6	50
ABR	80	FVS	AVS	.70	13	16	8	70
ABR	100	FVS	-	.70	16	20	10	100
ABR	120	FVS	AVS	.70	16	20	10	120
ABR	150	FVS	-	.70	20	25,5	13	150
ABR	180	FVS	-	.70	20	25,5	13	170

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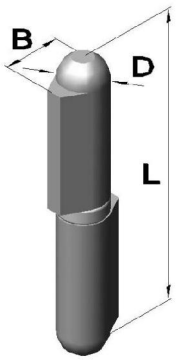
Weld on hinge-rolls

Weld on hinge-rolls „ABR" with round ends

FES with fixed steel pin and ball bearing

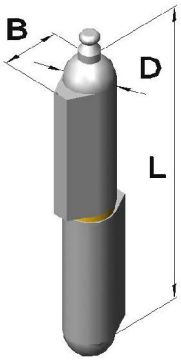


Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABR	141	FES	.00	18	22,5	12	250
ABR	155.5	FES	.00	20	25,5	13	290
ABR	206	FES	.00	23	29	16	350

Weld on hinge-rolls „ABN" with round ends and grease nipple

FES with fixed steel pin and brass intermediate ring

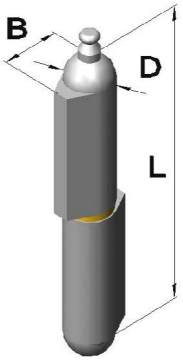
FMS with fixed brass pin and brass intermediate ring



Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABN	60	FES	FMS	.00	10	12	6	80
ABN	80	FES	FMS	.00	13	16	8	130
ABN	100	FES	FMS	.00	16	20	10	200
ABN	120	FES	FMS	.00	16	20	10	200
ABN	135	FES	FMS	.00	18	22,5	12	250
ABN	150	FES	FMS	.00	20	25,5	13	290
ABN	180	FES	FMS	.00	20	25,5	13	290
ABN	200	FES	FMS	.00	23	29	16	350

Weld on hinge rolls „ABN" with round ends and grease nipple

FVS with fixed stainless steel pin and stainless steel intermediate ring.



Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Stainless steel (V2A)	D	B	d	Load capacity ca. in kg
ABN	60	FVS	.30	13	16	8	160
ABN	80	FVS	.30	13	16	8	260
ABN	100	FVS	.30	16	20	10	400
ABN	120	FVS	.30	16	20	10	400
ABN	135	FVS	.30	20	25,5	13	500
ABN	150	FVS	.30	20	25,5	13	580
ABN	180	FVS	.30	20	25,5	13	580

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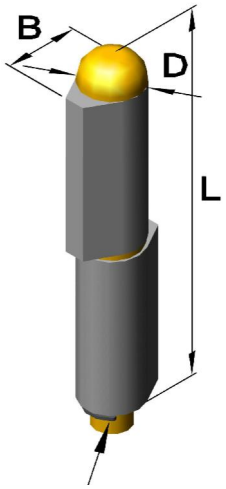
Weld on hinge-rolls

Weld on hinge-rolls „ABS" with round ends

AES with extractable steel pin and brass intermediate ring.
AMS with extractable steel pin and brass intermediate ring.

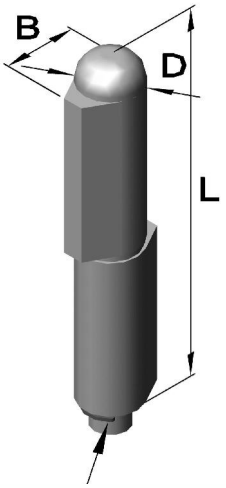


Lock washer

Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABS	40	AES	AMS	.00	8	10	5	50
ABS	50	AES	AMS	.00	8	10	5	50
ABS	60	AES	AMS	.00	10	12	6	80
ABS	80	AES	AMS	.00	13	16	8	100
ABS	100	AES	AMS	.00	16	20	10	180
ABS	120	AES	AMS	.00	16	20	10	180
ABS	135	AES	AMS	.00	18	22,5	12	200
ABS	150	AES	AMS	.00	20	25,5	13	240
ABS	180	AES	AMS	.00	20	25,5	13	240
ABS	200	AES	AMS	.00	23	29	16	300

Weld on hinge rolls „ABS" with round ends

AVS with extractable stainless steel pin and stainless steel intermediate ring.



Lock washer

Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Stainless steel (V2A)	D	B	d	Load capacity ca. in kg
ABS	60	AVS	.30	13	16	8	80
ABS	80	AVS	.30	13	16	8	100
ABS	100	AVS	.30	16	20	10	180
ABS	120	AVS	.30	16	20	10	180
ABS	150	AVS	.30	20	25,5	13	240
ABS	180	AVS	.30	20	25,5	13	240

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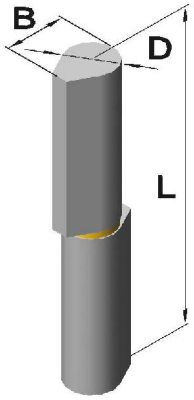
Weld on hinge-rolls

Weld on hinge rolls „ABF" with flat ends

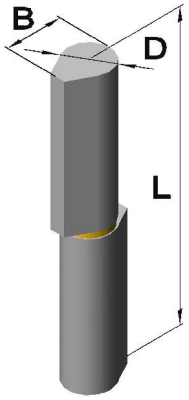
FES with fixed steel pin and brass intermediate ring
FMS with fixed brass pin and brass intermediate ring



Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABF	45	FES	FMS	.00	8	10	5	65
ABF	60	FES	FMS	.00	10	12	6	80
ABF	80	FES	FMS	.00	13	16	7	80
ABF	100	FES	FMS	.00	16	20	9	130
ABF	120	FES	FMS	.00	16	20	9	130
ABF	140	FES	FMS	.00	20	25,5	11	200
ABF	200	FES	-	.00	23	29	16	350

Weld on hinge rolls „ABF" with flat ends

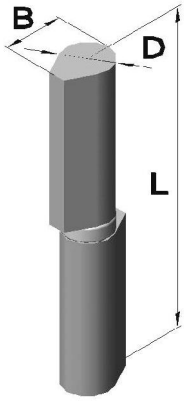
FVS with fixed stainless steel pin and brass intermediate ring.



Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Stainless steel (V2A)	D	B	Pin Ø	Load capacity ca. in kg
ABF	60	FVS	.30	10	12	6	180
ABF	80	FVS	.30	13	16	7	180
ABF	100	FVS	.30	16	20	9	260
ABF	120	FVS	.30	16	20	9	260

Weld on hinge rolls „ABF" with flat ends

FES with fixed steel pin and ball bearing



Article no.				Dimensions			
Series	L	Execution	Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABF	84	FES	.00	13	16	7	80
ABF	104	FES	.00	16	20	9	130

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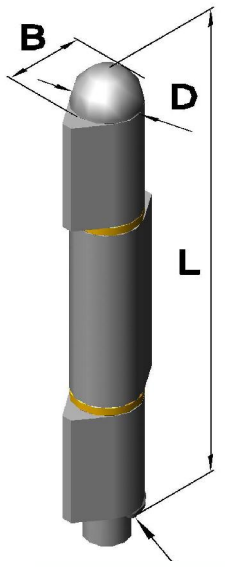
Weld on hinge-rolls

Weld on hinge-rolls „AB" 3-parts

AES with extractable steel pin and brass intermediate ring
AMS with extractable brass pin and brass intermediate ring

article no.					dimensions in mm			
series	L	execution		material raw steel	D	B	pin Ø	load capacity ca. in kg
AB	135/3	AES	AMS	.00	18	22,5	12	790
AB	150/3	AES	AMS	.00	20	25,5	13	960
AB	180/3	AES	AMS	.00	20	25,5	13	1300
AB	200/3	AES	AMS	.00	23	29	16	2000



Lock washer

Weld on hinge rolls „AB" 3- parts

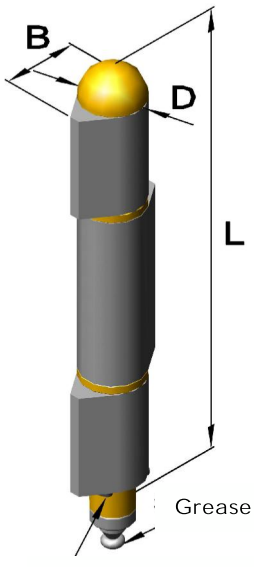
AVS with extractable stainless steel pin and brass intermediate ring

Article no.				Dimensions in mm			
Art.	L	Execution	Material V2A	D	B	Pin Ø	Load capacity ca. in kg
AB	135/3	AVS	.30	18	22.5	12	790
AB	150/3	AVS	.30	20	25.5	13	960
AB	180/3	AVS	.30	20	25.5	13	1300

Weld on hinge-rolls „AB" 3-parts with grease nipple

AMS with extractable brass pin and brass intermediate ring

Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
ABN	135/3	AMS	.00	18	22,5	12	790
ABN	150/3	AMS	.00	20	25,5	13	960
ABN	180/3	AMS	.00	20	25,5	13	1300
ABN	200/3	AMS	.00	23	29	16	2000



Grease nipple
Lock washer

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Weld on hinge-rolls

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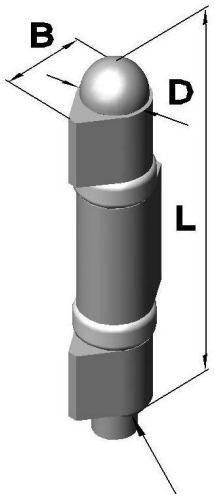
Weld on hinge rolls „AB" 3 parts with 2 ball bearings

AES with extendable steel pin and 2 ball bearings
AMS with extendable brass pin and 2 ball bearings

Article no.					Dimensions in mm			
Series	L	Execution		Material Raw Steel	D	B	Pin Ø	Load capacity ca. in kg
AB	90/3	AES	AMS	.00	20	25,5	12	900
AB	110/3	AES	AMS	.00	23	29	13	1000

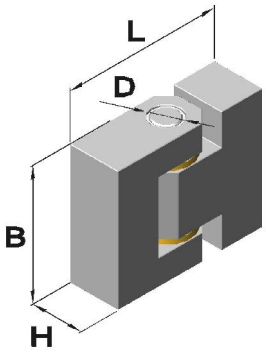


Lock washer

Weld on joints „AG" With fixed steel pin

FES stored on self greased sleeves and brass intermediate ring.

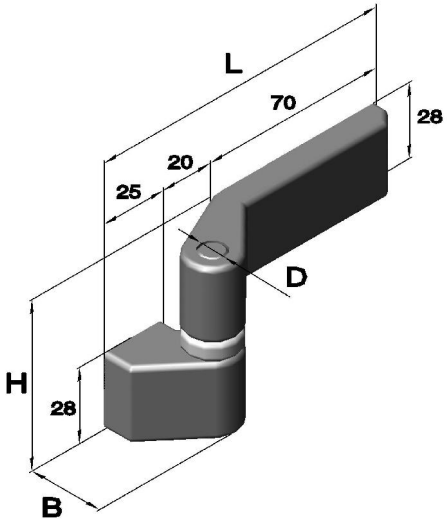
Article no.					Dimensions in mm			
Series	L	Execution	Material Raw Steel	Material Raw Stainless steel (V2A)	B	H	D	Load capacity ca. in kg
AG	60	FES	.00	-	50	20	10	1000
AG	70	FES	.00	.30	60	25	12	4000
AG	80	FES	.00	-	60	30	15	5000
AG	100	FES	.00	-	80	40	20	9000
AG	120	FES	.00	-	100	50	25	10000
AG	140	FES	.00	-	120	60	30	10000+



Weld on plug „AK"

AES with extractable steel pin and ball bearing

Article no.				Dimensions in mm			
Series	L	Execution	Material Raw Steel	B	H	D	Load capacity ca. in kg
AK	115	AES	.00	30	63	10	-



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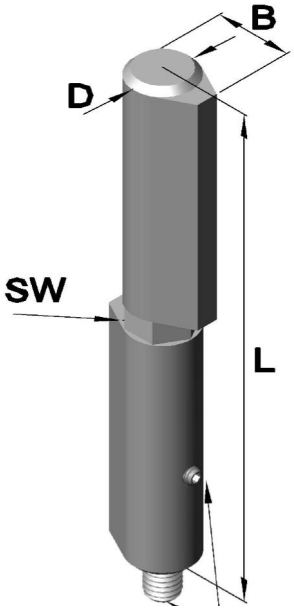
Weld on hinge-rolls

„Adjustable size and width"

Weld on hinge rolls „AB"
„Adjustable size and width"

AES with extractable steel pin
AMS with extractable brass pin

Article no.				Dimensions in mm				
Series	L	Execution	Material Raw Steel	D	B	Pin Ø	SW	Load capicity ca in kg
AB	118	AES-3D	.00	20	25,5	12	17	-
AB	147	AES-3D	.00	23	28,5	12	17	-



grub screw

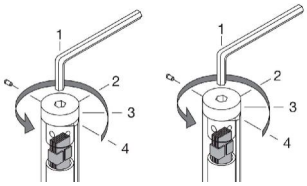
AVS with extractable steel pin

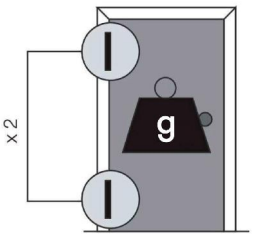
Article no.				Dimensions in mm				
Series	L	Execution	Material Raw Stainless steel (V2A)	D	B	Pin Ø	SW	Load capacity ca in kg
AB	118	AVS-3D	.30	20	25,5	12	17	-

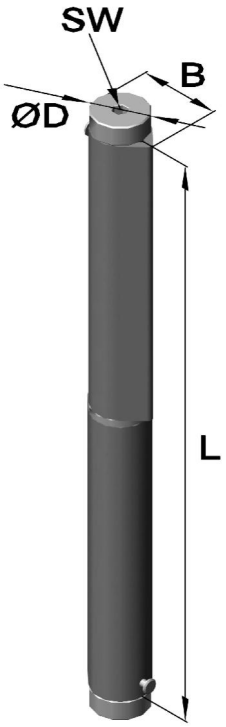
„With adjustable spring"

Art.no. 158.I-5___.__ (spring force adjustable)

with integrated spring







Article no.			Dimensions in mm				Loading capacity in kg
Series	Material Raw Steel	Material Raw Stainless steel (V2A)	L	B	SW	ØD	g
158.I-5524	.00	.05.30	120	21	5	18	20
158.I-5324	.00	.05.30	180	21	5	18	40
158.I-5124	.00	.05.30	235	26	5	22	60

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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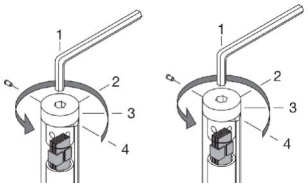
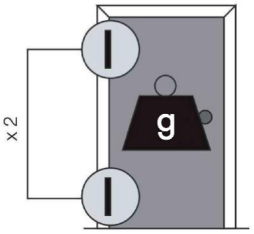
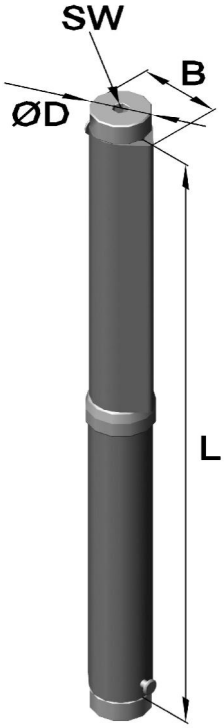
Weld on hinge-rolls

Art.no. 158.I-5___.__(spring force adjustable)

with integrated spring, with ball bearing







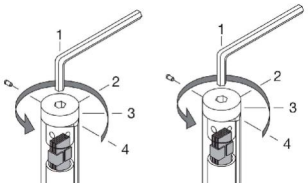
Article no.			Dimensions in mm				Loading capacity in kg
Series	Material Raw Steel	Material Raw Stainless steel (V2A)	L	B	SW	ØD	g
158.I-5334	.00	.05.30	180	21	5	18	60
158.I-5134	.00	.05.30	235	26	5	22	120

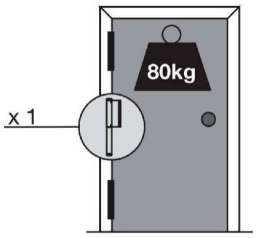
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

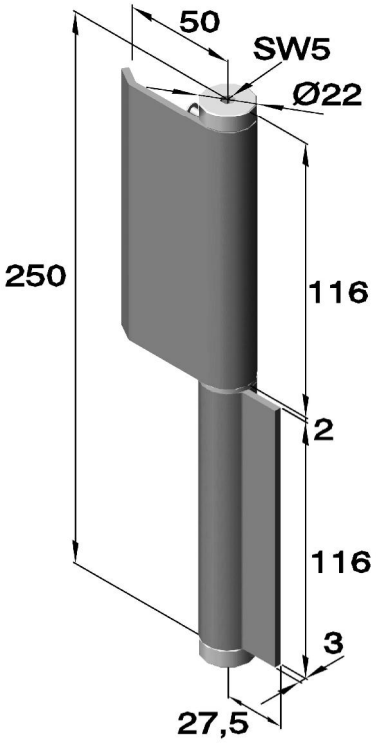
Hinges for fire protection doors

Art.no. 158.I-5224.__ (spring force adjustable)

with integrated spring







Article no.	
Series	Material Raw Steel
158.I-5224	.00

This product will be delivered only in pairs.
Close doors automatically,
Integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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Weld on hinge-rolls

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Certification

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Management System
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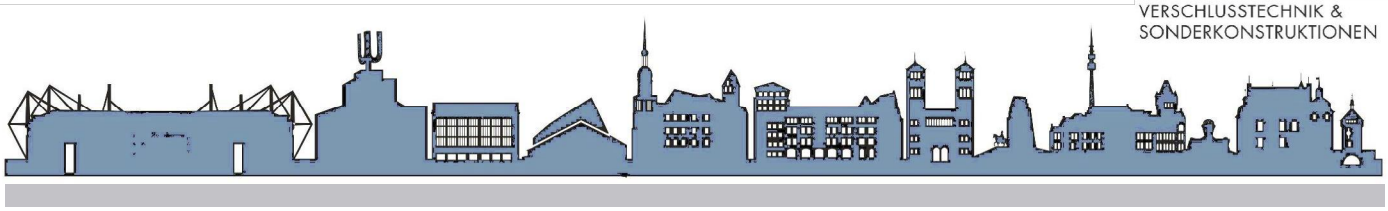

FOLDER 5 LOCKING DEVICES

FOLDER 1 LATCHES

FOLDER 2 TENSION BANDS

FOLDER 3 HANDLES

FOLDER 4 HINGES

FODLER 5 LOCKING DEVICES.....

QUARTER TURNS J-1
„CAMLOC" .....
LOCKING DEVICES..... H

- LOCKING DEVICES AND MECHANICAL CATCH..... H-1
- HASPS.....H-20
- MAGNETIC CATCHES H-25

HOOD CATCHES.....I-10

FOLDER 6 THREADED INSERTS

FOLDER 7 SUNDRIES

GENERAL TERMS AND CONDITIONS.....

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Quarter turns

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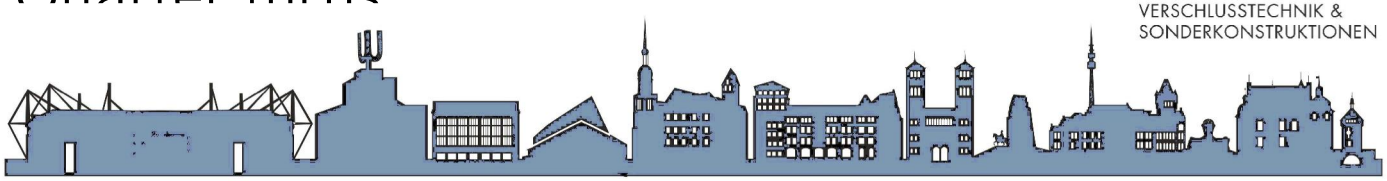


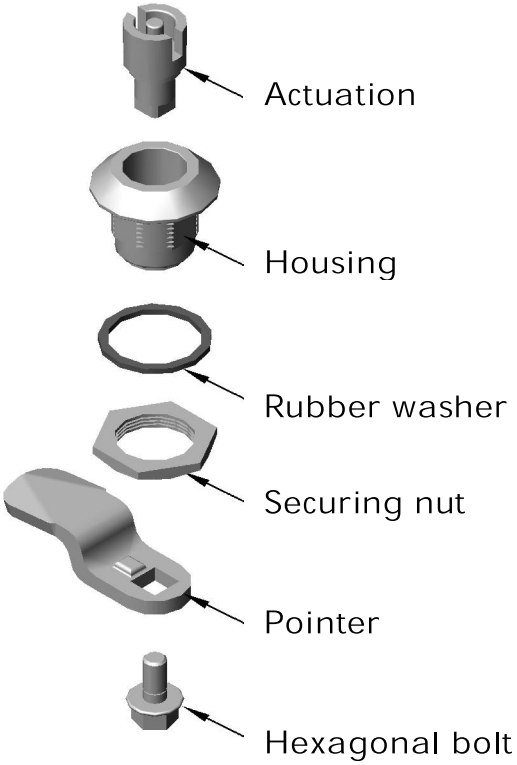
Quarter turns

Quarter-turns have been inserted in the most varied technical ranges, because of their qualitative characteristics, as for example a certified degree of protection IP 65 according to IEC 529 or DIN 40 050, certified corrosion resistance according to DIN 50 958 and coulometrically certified chromate thickness according to DIN 50 955.

Running controls of the zinc die-cast structure guarantee a homogenous and cavity-free cast iron and with it an unusually high tear-strength of the housing head.

Quarter turns are already being used in the following ranges:

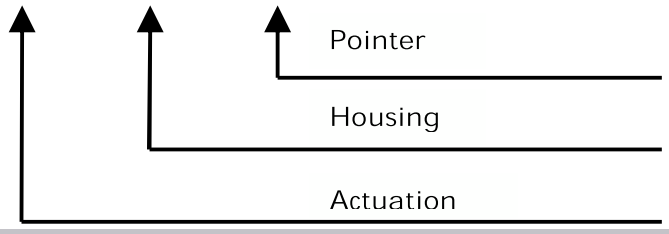
Climate and ventilation technologies, switchyard and electronic control system, measuring and control technology, machine construction (noise insulation, hydraulics, pneumatics, protecting coverings), IT equipment, vehicle construction, construction of tools and apparatuses



	GD-Zn A14 Cu1	Abbreviation
tensile strength	28-35	kp/mm²
ultimate strain	2-5	%
flexural impact strength	7-11	cmkp/mm²
shear strength	25-29	kp/mm²
compression strength	58-65	kp/mm²
melting range	380-386	°C
heat conductivity	0.22-0.24	cal/cm sec °C
electrical conductivity	15-16	m/Ohm mm²
elasticity modulus	13000	kp/mm²
linear coefficient of expansion	0.000027	pro °C from 20 up to 100°C

Ordering example:

Art.no. BDB3 / DG32 / ZH18



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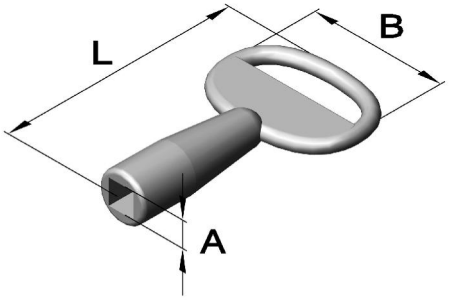
Quarter turns

Mini turning lock key

Article no.		Dimensions in mm		
Series	material			
	Zamak	A	B	L
for square operating „BVK"				
SVK 6	black	□6,2	34	55
for triangular operating „BDK"				
SDK 6,5	black	Δ6,5	34	55

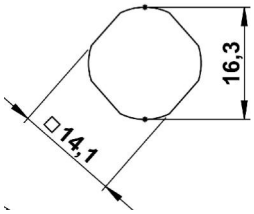


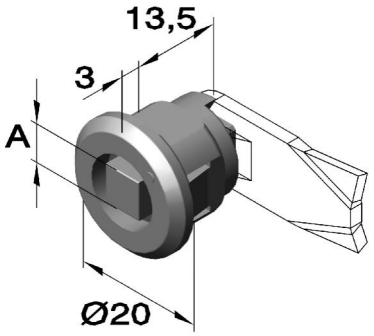
Clip mini turning lock „CD "

Closing stroke 90°

For sheet thickness 0,8-1,5mm

Off 2000 articles on request.



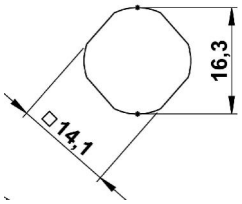


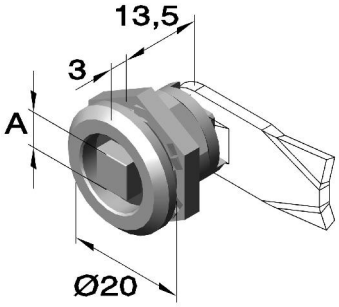
Please complement the art no. for the switch (Art.no. MZH)

Article no.			Material	Dimensions in mm
			Black	
Series	Actuation	Switch	Plastic	A
CDG-20	/ BVK 6 /	no. complement	.87	□6
CDG-20	/ BDK 6 /	no. complement	.87	Δ6,5
CDG-20	/ BS /	no. complement	.87	1,5

Mini turning lock „DG "

Closing stroke 90°





Please complement the art no. for the switch (art.no. MZH)

Article no.				Material				Dimensions in mm
				Zamak		Stainless steel	Plastic	
Series	Execution	Actuation	Switch	Chrome plated	Black coated		Black	A
DG-20	.01	/ BVK 6 /	no. complement	.53	.57	.30	.87	□6
DG-20	.01	/ BDK 6 /	no. complement	.53	.57	.30		Δ6,5
DG-20	.01	/ BS	no. complement	.53	.57	.30	.87	Δ6,5

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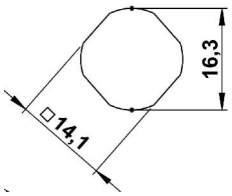
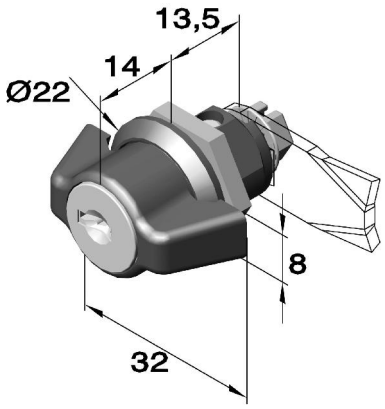
Quarter turns

Mini wing turning lock „FD "
Closing stroke 90°

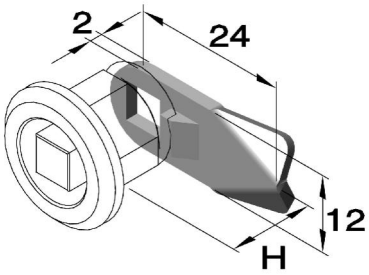




Please complement the art no. for the switch (Art.no. MZH)

Article no.				Closure
Series	Execution	Material Zamak		
		Chrome plated	Black	
FD-32	- 00	.53	.57	without key
FD-32	- 01	.53	.57	simultaneos locking (with resemble keys)
FD-32	- 02	.53	.57	different locking (with different keys)

Mini switch „MZH "
closing stroke 90°



Please complement the art no. for the switch (Art.no. MZH)

Article no.		Dimensions in mm
Series	Material Steel Zinc plated	H
MZH 7,5-24	.04	7,5
MZH 13,5-24	.04	13,5
MZH 19,5-24	.04	19,5

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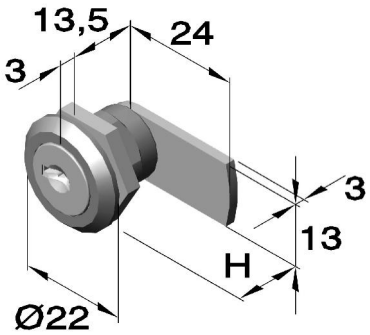
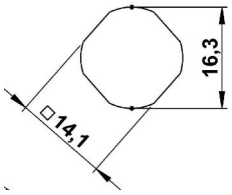
Quarter turns

Mini turning lock lockable „DA "

Closing stroke 90°



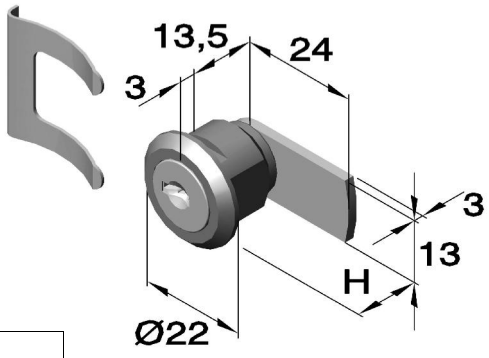
Article no.				Dimensions in mm	Closure
Series	Execution	Material			
		Chrome plated Zamak	Black Plastic	H	
DA 22	-01	.53	.87	7,5	simultaneous locking (with resemble keys)
DA 22	-02	.53	.87	13,5	simultaneous locking (with resemble keys)
DA 22	-03	.53	.87	19,5	simultaneous locking (with resemble keys)
DA 22	- 04	.53	.87	7,5	different locking (with different keys)
DA 22	- 05	.53	.87	13,5	different locking (with different keys)
DA 22	- 06	.53	.87	19,5	different locking (with different keys)



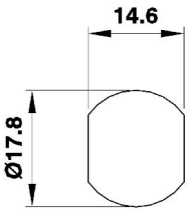
Mini turning lock lockable „DA 22F"

Closing stroke 90°

Off 100 articles on request.



Article no.			Dimensions in mm	Closure
Series	Execution	Material		
		Chrome plated Zamak	H	
DA 22F	-01	.53	7,5	simultaneous locking (with resemble keys)
DA 22F	-02	.53	13,5	simultaneous locking (with resemble keys)
DA 22F	-03	.53	19,5	simultaneous locking (with resemble keys))
DA 22F	- 04	.53	7,5	different locking (with different keys)
DA 22F	- 05	.53	13,5	different locking (with different keys)
DA 22F	- 06	.53	19,5	different locking (with different keys)



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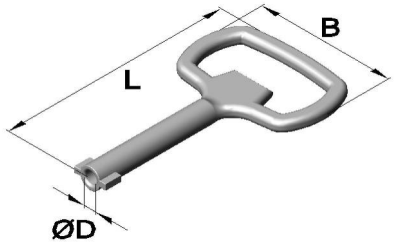
Quarter turns

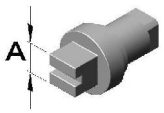
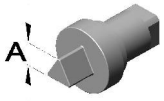
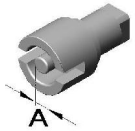
Quarter turn key

Article no. Series	Material Black	Dimensions in mm D	L
for double bit operating „BDB "			
SDB 3	Zamak	Ø3,2	90
SDB 5	Zamak	Ø5,2	90
for triangular operating „BDK "			
SDK 7	Zamak	Δ7,2	78
SDK 8	Zamak	Δ8,2	78
for square operating „BVK "			
SVK 7	Zamak	□7,2	78
SVK 8	Zamak	□8,2	78

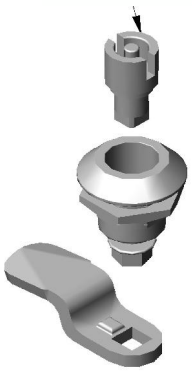


Actuations

Stainless steel (V4A) raw on request

Article no. Series	material Chrome plated	Black	Zamak	Stainless steel	plastic	Dimensions in mm A	Actuation
Actuation „Square"							
BVK 7	Chrome plated	.57	VA	KST		□7	 „S" with port
BVK 8	Chrome plated	.57	VA	KST		□8	
BVK 8 S	Chrome plated	-	VA	-		□8	
Actuation „Triangular"							
BDK 7	Chrome plated	.57	VA	-		Δ7	
BDK 8	Chrome plated	.57	VA	KST		Δ8	
Actuation „Double bit"							
BDB 3	Chrome plated	.57	VA	KST		Ø3	
BDB 5	verchromt	.57	VA	KST		Ø5	

actuation



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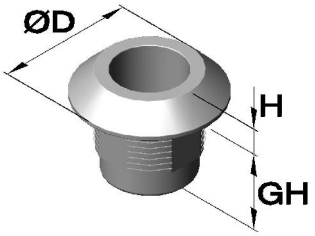
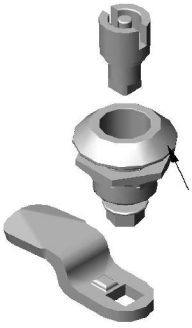
Quarter turns

Housing „DG "
Strong execution, closing stroke 90°

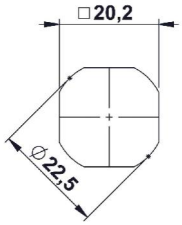
Material and surfaces:
Zinc die cast (Zamak) chrome plated
Zinc die cast (Zamak) black coated
Stainless steel (V2A) raw
Stainless steel (V4A) raw on request
Plastic (KST) black




Housing

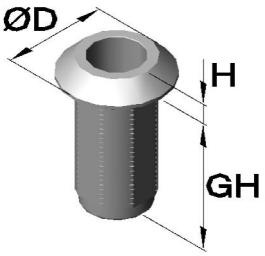
Please insert the Art no. for the operating mechanism and for the latch.

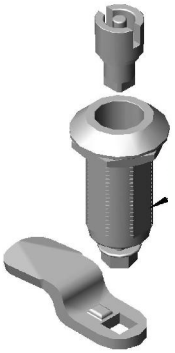
Article no.					Dimensions in mm		
Series	Material				Ø D	GH	H
	Chrome plated	Black	Raw	Black			
	Zamak	Zamak	Stainless steel	Plastic			
DG 28-4	Chrome plated	.57	VA	KST	28	18	4
DG 30	Chrome plated	-	-	-	30	18	4
DG 32	Chrome plated	.57	VA	KST	32	18	6



extended
Housing „DG "
Strong execution, closing stroke 90°

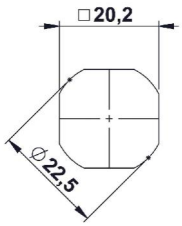
Material and surfaces:
Zinc die cast (Zamak) chrome plated
Stainless steel (V2A) raw
Stainless steel (V4A) raw on request




housing

Please insert the Art no. for the operating mechanism and for the latch.

Article no.			Dimensions in mm		
Series	Material		Ø D	GH	H
	Chrome plated	Raw			
	Zamak	Stainless steel			
DG 32-30/1	Chrome plated	VA	32	30	6
DG 32-36/1	Chrome plated	VA	32	36	6
DG 32-40/1	Chrome plated	VA	32	40	6
DG 32-50/1	Chrome plated	VA	32	50	6
DG 32-60/1	Chrome plated	VA	32	60	6



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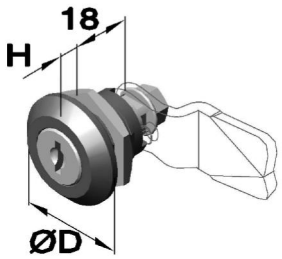
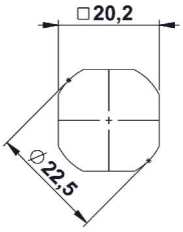
Quarter turns

Quarter turn lockable „DA "

Strong execution, closing stroke 90°

Material and surfaces:
Zinc die cast (Zamak) chrome plated
Stainless steel seawater restistant (V4A) raw
Zinc die cast (Zamak) black coated
Plastic (KST) black





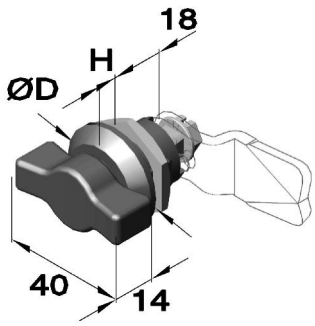
Please insert the art no. for the latch (Art.no. ZH)

Article no.						Dimensions in mm		Closure
Series	Execution	Material				Ø D	H	
		Chrome plated	Raw	Coated	Black			
		Zamak	Stainless steel	Zamak	Plastic			
DA 28	-01	Chrome plated	.35	.57	KST	28	6	simultaneous locking (with resemble keys)
DA 32	-01	Chrome plated	-	.57	KST	32	6	simultaneous locking (with resemble keys)
DA 28	-02	Chrome plated	.35	.57	KST	28	6	different locks (with different keys)
DA 32	-02	Chrome plated	-	.57	KST	32	6	different locks (with different keys)

Wing handle quarter turn „FG "

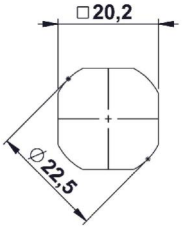
Strong execution, closing stroke 90°

Material and surfaces:
Zinc die cast (Zamak) chrome plated
Zinc die cast (Zamak) black coated
Plastic (KST) black



Please insert the art no. for the latch (Art.no. ZH)

Article no.				Dimensions in mm	
Series	Execution	Material		Ø D	H
		Black	Black		
		Zamak	Plastic		
FG /	DG 28-4	.57	.87	28	4
FG /	DG 32	.57	.87	32	6



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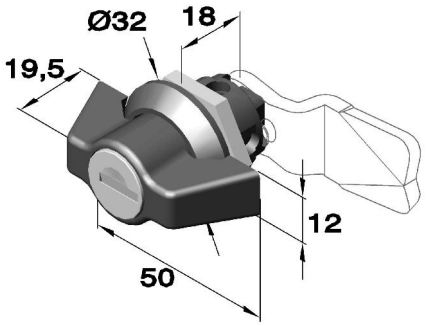
Quarter turns

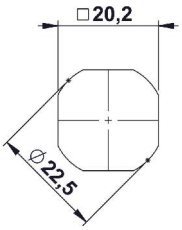
Wing quarter turn „FD "
Strong execution, closing distance 90°

Material and surfaces:
Zinc die cast (Zamak) chrome plated
Zinc die cast (Zamak) black coated
Stainless steel seawater resistant (V4A) raw
Plastic (KST) black



Please insert the art no. for the latch (Art.no. ZH)

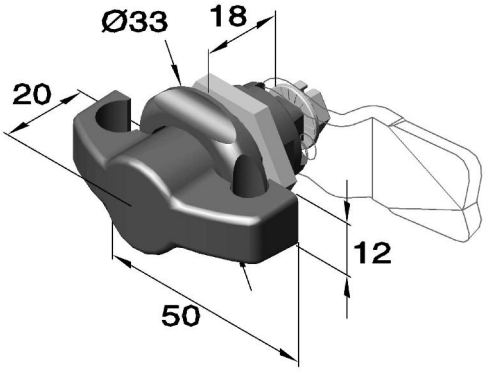
Article no.						Closure
Series	Execution	Material				
		Chrome plated	Black	Raw	Black	
		Zamak	Zamak	Stainless steel	Plastic	
FD-50	- 00	.53	.57	.30	.87	without lock
FD-50	- 01	.53	.57	.30	.87	simultaneous locking (with resemble keys)
FD-50	- 02	.53	.57	.30	.87	different locks (with different keys)



Wing quarter turn for padlock „FDV-50"
Strong execution, closing stroke90°

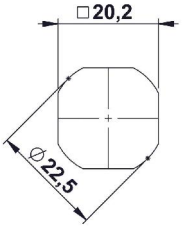
For clamp Ø4,5-Ø10mm

Material and surfaces:
Zinc die cast (Zamak) black powdered
Stainless steel seawater resistant (V4A) raw



Please insert the art no. for the latch (Art.no. ZH)

Article no.		
Series	Material	
	Raw	Black
	Stainless steel	Zamak
FDV-50	.35	.57



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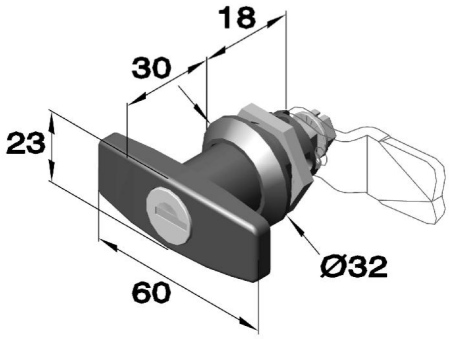
Quarter turns

T-handle quarter turn „DK-60

Strong execution, closing stroke 90°

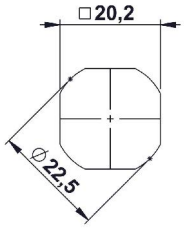
Material and surfaces:
Plastic (KST) black-(handle)
Zinc die cast (Zamak) black powdered-(housing)

Different lock off 100 articles



Please insert the art no. for the latch (Art.no. ZH)

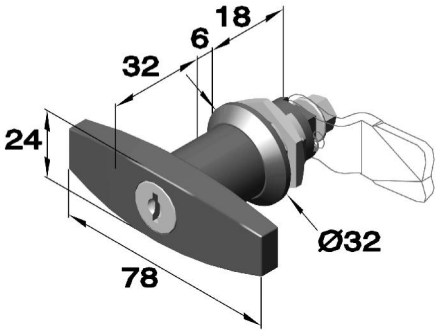
Article no.			Closure
Series	Execution	Material Black Zamak	
DK-60	-00	.57	without lock
DK-60	-01	.57	simultaneous locking (with resemble keys)
DK-60	-02	.57	different locks (with different keys)



Quarter turn-clamp handle „DK-80"

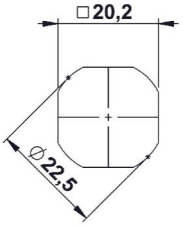
Strong execution, closing stroke 90°

Material and surfaces:
Zinc die cast (Zamak) chrome plated
Zinc die cast (Zamak) black coated
Stainless steel seawater resistant (V4A) raw
Plastic (KST) black



Please insert the art no. for the latch (Art.no. ZH)

Article no.						Closure
Series	Execution	Material				
		Chrome plated Zamak	Black Zamak	Raw Stainless steel	Black Plastic	
DK-80	-00	Chrome plated	.57	VA	Black	without lock
DK-80	-01	Chrome plated	.57	VA	Black	simultaneous locking (with resemble keys)
DK-80	-02	Chrome plated	.57	VA	Black	different locks (with different keys)



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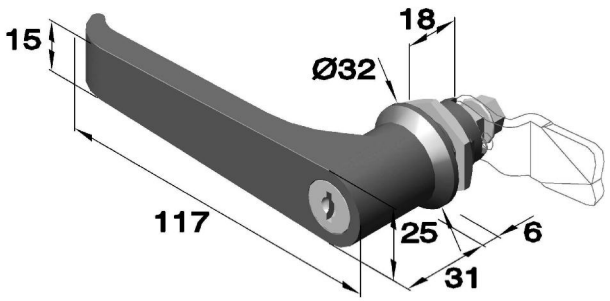
Quarter turns

Quarter turn-lever handle „DH "

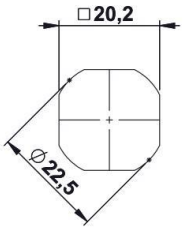
Strong execution, closing stroke 90°

Material and surfaces:
Zinc die cast (Zamak) chrome plated
Zinc die cast (Zamak) black coated
Stainless steel seawater resistant (V4A) raw
Plastic (KST) black



Please insert the art no. for the latch (Art.no. ZH)

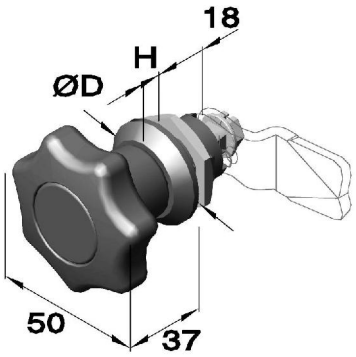
Article no.						Closure
Series	Execution	Material				
		Chrome plated	Black	Raw	Black	
		Zamak	Zamak	Stainless steel	Plastic	
DH-12	-00	Chrome plated	.57	VA	Black	without key
DH-12	-01	Chrome plated	.57	VA	Black	simultaneous locking (with resemble keys)
DH-12	-02	Chrome plated	.57	VA	Black	different locks (with different keys)



Star handle- quarter turn „SG "

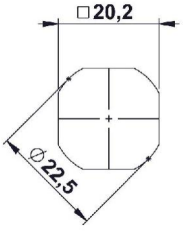
Strong execution, closing stroke 90°

Material and surfaces:
Plastic (KST) black-(handle)
Zinc die cast (Zamak) black powdered-(housing)



Please insert the art no. for the latch (Art.no. ZH)

Article no.			Dimensions in mm	
Series	Execution	Material		
		Black	Ø D	H
		Plastic		
SG /	DG 28-4	.87	28	4
SG /	DG 32	.87	32	6



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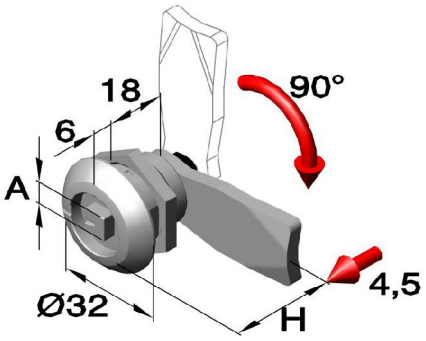
Quarter turns

Compression quarter turn „KD-18"

with spring and composition, closing stroke 90°

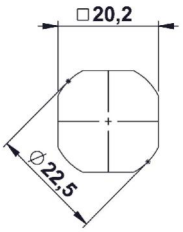
Compression travel 4,5mm

Material and surfaces:
Zinc die cast (Zamak) black powdered



Please insert the art no. for the latch without tappet (Art.no. ZH)

Article no.			Material	Dimensions in mm
			Black	
Series	Actuation	Switch	Zamak	A
KD-18	/ BDB 3 /	no. complement	.57	Ø3
KD-18	/ BDB 5 /	no. complement	.57	Ø5
KD-18	/ BDK 8 /	no. complement	.57	Δ8
KD-18	/ BVK 8/	no. complement	.57	□8

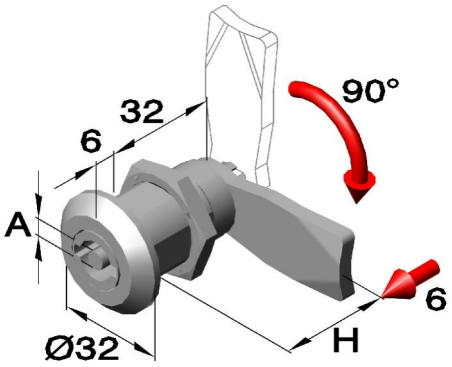


Compression quarter turn „KD-32"

with spring and composition, closing stroke 90°

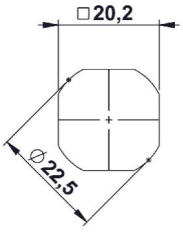
Compression travel 6mm

Material and surfaces:
Zinc die cast (Zamak) black powdered
Stainless steel seawater resistant (V4A) raw



Please insert the art no. for the latch (Art.no. ZH)

Article no.			Material		Dimensions in mm
			Raw	Black	
Series	Actuation	Switch	Stainless steel	Zamak	A
KD-32	/ BDB 3 /	no. complement	.30	.57	Ø3
KD-32	/ BDB 5 /	no. complement	.30	.57	Ø5
KD-32	/ BDK 7 /	no. complement	-	.57	Δ7
KD-32	/ BDK 8 /	no. complement	-	.57	Δ8
KD-32	/ BVK 7/	no. complement	-	.57	□7
KD-32	/ BVK 8/	no. complement	.30	.57	□8



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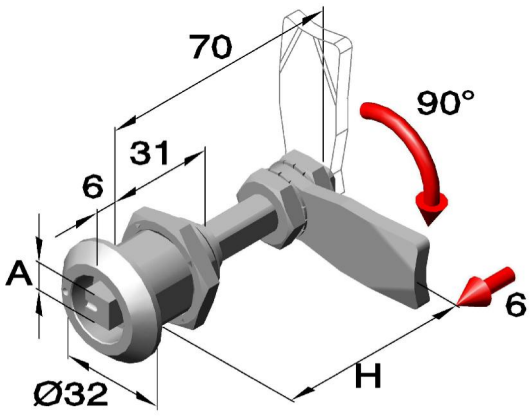
Quarter turns

Compression quarter turn „KD-70"

with spring and composition, closing stroke 90°

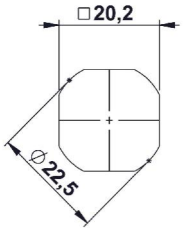
Compression travel 6mm

Material and surfaces:
Zinc die cast (Zamak) black powdered



Please insert the art no. for the latch without tappet (Art.no. ZH)

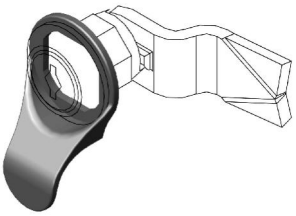
Article no.			Material	Dimensions in mm
			Black	
Series	Actuation	Switch	Zamak	A
KD-70	/ BDB 3 /	no. complement	.57	Ø3
KD-70	/ BDB 5 /	no. complement	.57	Ø5
KD-70	/ BDK 7 /	no. complement	.57	Δ7
KD-70	/ BDK 8 /	no. complement	.57	Δ8
KD-70	/ BVK 7 /	no. complement	.57	□7
KD-70	/ BVK 8/	no. complement	.57	□8

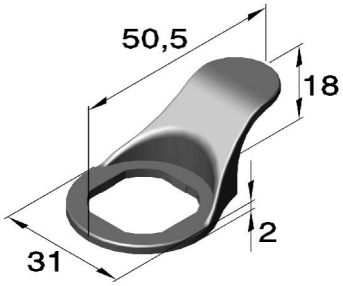


Finger grip „FP "for quarter turns

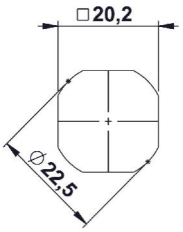
Material and surfaces:
Plastic (KST) black

By using the fingergrip
the H-dimension reduce of 2mm.





Article no.	
Series	Material
	Black
	Plastic
FP-28	.87
FP-32	.87



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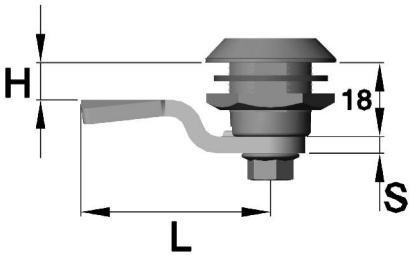
Quarter turns

Switch „ZH "closing stroke 90°
Strong execution

Material and surfaces:
Steel zinc plated
Stainless steel (V2A) raw
Stainless steel seawater resistant (V4A) raw (off 500 articles on request)

Please insert the art no. for the actuation and the housing.

Article no.			Dimensions in mm			
Series	Material		H	L	B	S
	Steel	Stainless steel				
ZH 4-45	verzinkt	-	3	45	19	4
ZH 6-45	verzinkt	VA	6	45	19	4
ZH 8-45	verzinkt	-	8	45	19	4
ZH 10-45	verzinkt	VA	10	45	19	4
ZH 13-45	verzinkt	-	13	45	19	4
ZH 14-45	verzinkt	VA	14	45	19	4
ZH 16-45	verzinkt	-	16	45	19	4
ZH 18-35	verzinkt	-	18	34	19	4
ZH 18-45	verzinkt	VA	18	45	19	4
ZH 20-35	verzinkt	-	20	35	19	4
ZH 20-45	verzinkt	VA	20	45	19	4
ZH 22-35	verzinkt	-	22	35	19	4
ZH 22-45	verzinkt	VA	22	45	19	4
ZH 24-45	verzinkt	VA	24	45	19	4
ZH 26-45	verzinkt	VA	26	45	19	4
ZH 28-35	verzinkt	-	28	35	19	4
ZH 28-45	verzinkt	VA	28	45	19	4
ZH 30-45	verzinkt	-	30	45	19	4
ZH 32-45	verzinkt	-	32	45	19	4
ZH 34-45	verzinkt	-	34	45	19	4
ZH 35-45	verzinkt	-	35	45	19	4
ZH 36-45	verzinkt	-	36	45	19	4
ZH 38-45	verzinkt	-	38	45	19	4
ZH 40-45	verzinkt	-	40	45	19	4
ZH 42-45	verzinkt	-	42	45	19	4
ZH 44-45	verzinkt	-	44	45	19	4
ZH 45-45	verzinkt	-	45	45	19	4
ZH 47-45	verzinkt	-	45	45	19	4
ZH 50-45	verzinkt	-	50	45	19	4



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Quarter turns

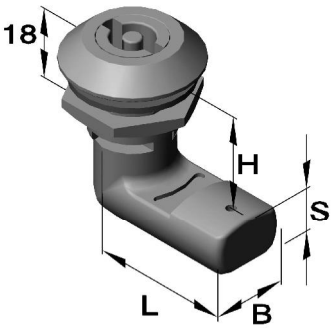
Plastic switch „KTZ "closing stroke 90°

Strong execution

Material and surfaces:
Plastic (KST) black

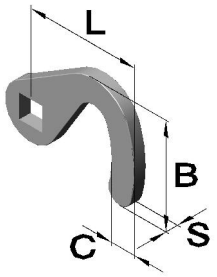
Please insert the art no. for the actuation and the housing.

Article no.		Dimensions in mm			
Series	Material Black Plastic	H	L	B	S
KTZ 18-35	.87	18	35	19	12
KTZ 20-35	.87	20	35	19	12
KTZ 22-35	.87	22	35	19	12
KTZ 24-35	.87	24	35	19	12
KTZ 28-35	.87	28	35	19	12



Hook tongue „HZ"

Material and surfaces:
Steel zinc plated



Article no.			Dimensions in mm			
Series	Execution	Material Steel	L	B	C	S
HZ	18-36	Zinc plated	36	33	8	4

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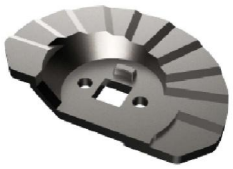
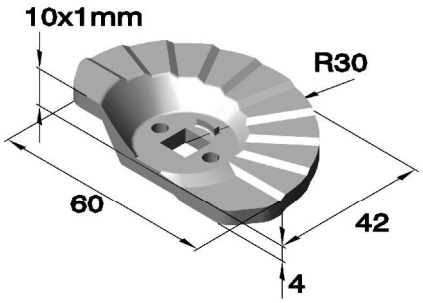
Quarter turns

Quarter turn cone pulley „DS " closing stroke 180°

Gradually bolt von 0-10 mm



Material and surfaces:
Zinc die cast (Zamak) zinc plated



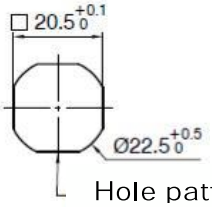
Please insert the art no. for the actuation and the housing.

Article no.		
Series	Execution	Material Zamak Zinc plated
DS-60	.01	.04

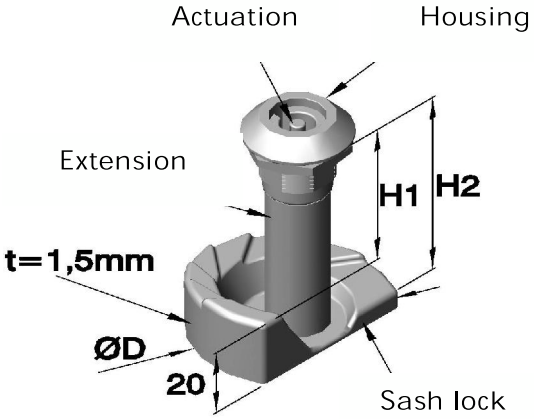
Locking handle „DV "

Spagnolet extension, with gradually bolt von 17-65 mm
Closing stroke 180°
Please insert the art no. for the actuation and the housing

Material and surfaces:
Steel zinc plated
Stainless steel raw



Hole pattern



Sash lock gear step 8x1mm

Article no.			Dimensions in mm		
Series	Execution	Material Steel	H1	H2	Ø D
DV	17-25	Zinc plated	17	25	60
DV	22-30	Zinc plated	22	30	60
DV	27-35	Zinc plated	27	35	60
DV	32-40	Zinc plated	32	40	60
DV	37-45	Zinc plated	37	45	60
DV	42-50	Zinc plated	42	50	60
DV	47-55	Zinc plated	47	55	60
DV	52-60	Zinc plated	52	60	60
DV	57-65	Zinc plated	57	65	60

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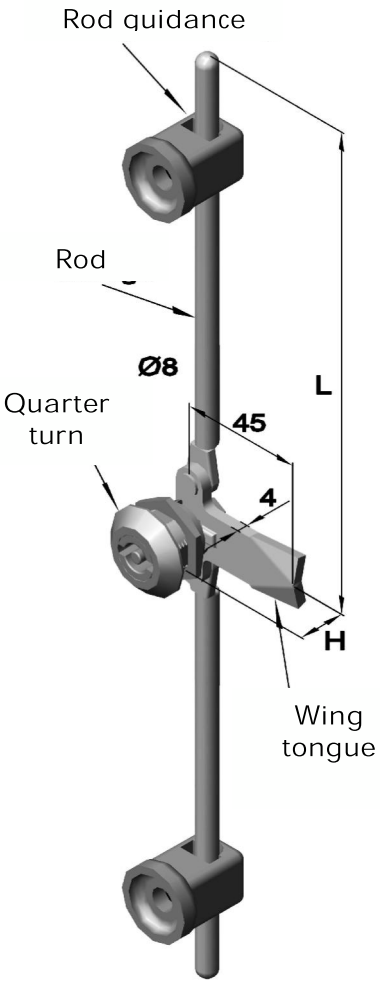
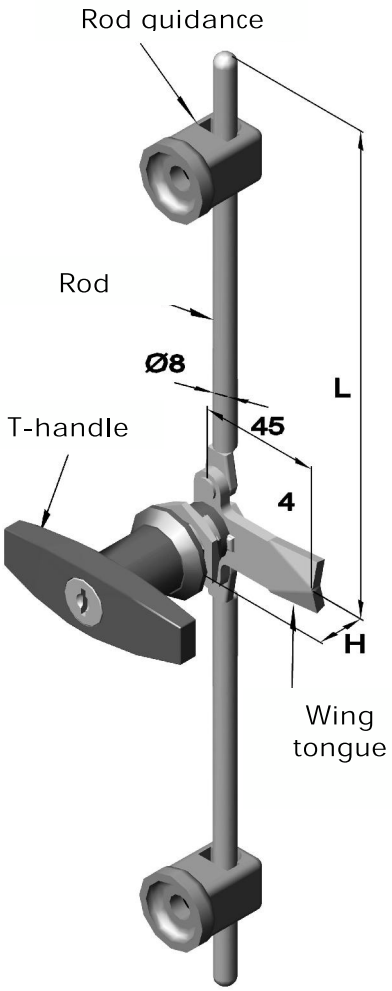
Quarter turns

Combinatory examples:

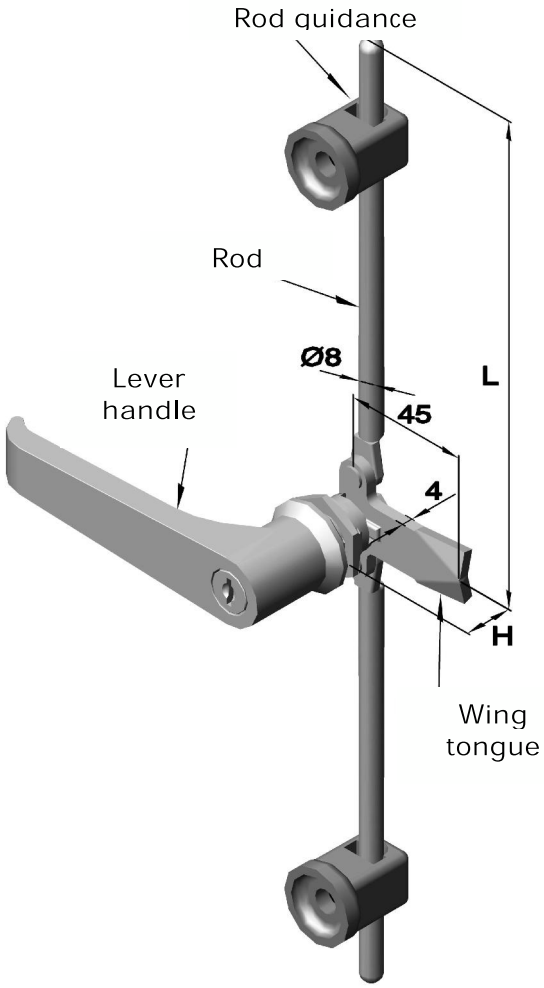
With quarter turn:"DG"



With clamp handle:"DK"



With lever handle:"DH"



Ordering example:

Art. no. DG32/BDB3/FZ18/SR- 05-00.01.04

- SR- 05-00.01.04 → Rod
- FZ18 → Wing tongue
- BDB3 → Actuation
- DG32 → Quarter turn housing

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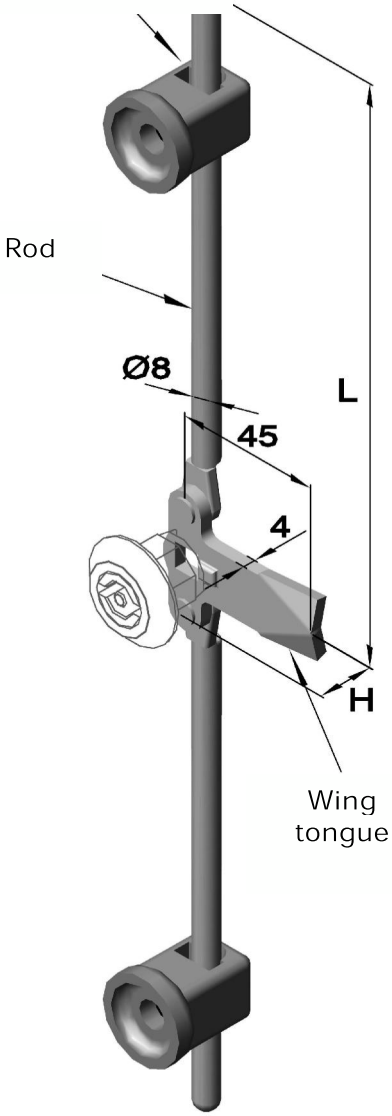
Quarter turns

Wing tongue „FZ "for quarter turn

Material and surfaces:
Steel zinc plated
Stainless steel (V2A) raw

Article no.			Dimensions in mm
Series	Material		H
	Zinc plated		
	Steel	Stainless steel	
FZ 6	Zinc plated		6
FZ 10	Zinc plated		10
FZ 18	Zinc plated		18
FZ 20	Zinc plated		20
FZ 22	Zinc plated	VA	22
FZ 24	Zinc plated		24
FZ 25	Zinc plated		25
FZ 26	Zinc plated		26
FZ 28	Zinc plated	VA	28
FZ 30	Zinc plated		30
FZ 32	Zinc plated		32
FZ 36	Zinc plated		36
FZ 38	Zinc plated		38

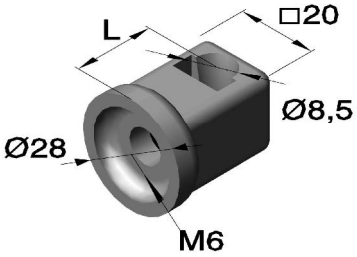
Stangenführung
Rod guidance



Rod guide „SFS "rod (SR)

Material and surfaces:
Plastic (KST) black

Article no.		Dimensions in mm	
Series	Material	L	for
	Plastic		welding studs
SFS 24	KST	24	M6 x 16
SFS 30	KST	30	M6 x 20



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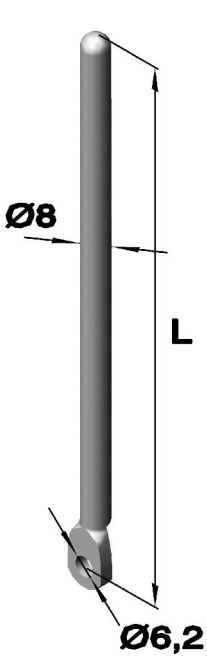
Quarter turns

Rod round „SR"

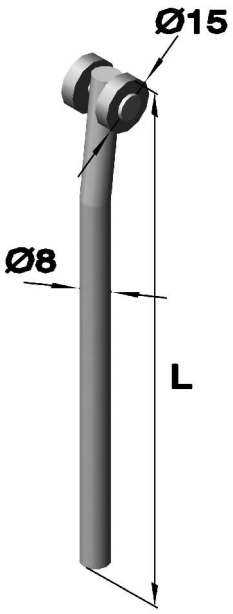
Material and surfaces:
Steel zinc plated

Article no.				Dimensions in mm
Series	Execution		Material: Zinc plated / Steel	L
SR 04-00	.01	-	.04	400
SR 05-00	.01	-	.04	500
SR 06-00	.01	.03	.04	600
SR 07-00	.01	.03	.04	700
SR 08-00	.01	.03	.04	800
SR 09-00	.01	.03	.04	900
SR 10-00	.01	.03	.04	1000
SR 11-00	.01	.03	.04	1100
SR 12-00	.01	.03	.04	1200

Execution .01



Execution .03

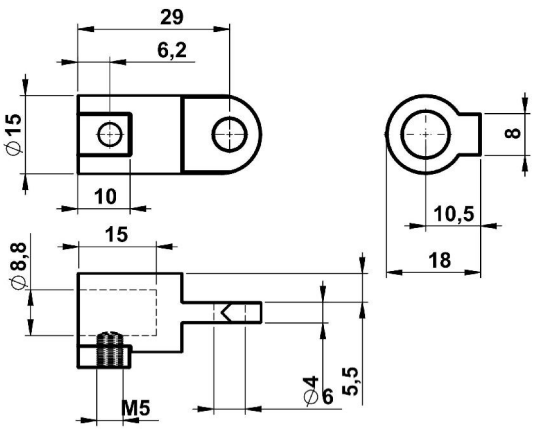


Material and surfaces:
Stainless steel (V2A) raw
Up roller polyamide black

Article no.			Dimensions in mm
Series	Execution	Material: Raw / Stainless steel	L
SR 06-00	.03	.30	600
SR 07-00	.03	.30	700
SR 08-00	.03	.30	800
SR 09-00	.03	.30	900
SR 10-00	.03	.30	1000
SR 11-00	.03	.30	1100

Adapter round (for rod „SR" execution .03)

Material and surfaces:
Steel zinc plated
Stainless steel (V2A) raw



Article no.		
Series	Material	
	Zinc plated	Raw
	Steel	Stainless steel
AR-01	.04	.30

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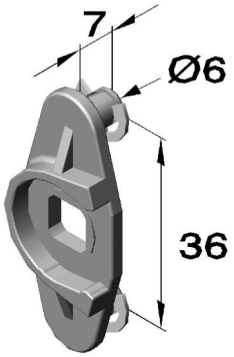
Quarter turns

Pinion drive„SA "for „ZH "tongue

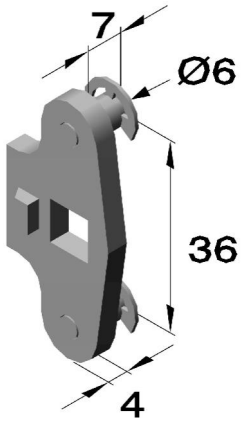
Material and surfaces:
Zinc die cast (Zamak) zinc plated
Stainless steel seawater resistant (V4A) raw



Article no.			
Series	Execution	Material	
		Zamak	Stainless steel
		Zinc plated	Raw
SA	-01	.54	.30

Pinion drive „SA "without tongue

Material and surfaces:
Steel zinc plated



Article no.		
Series	Execution	Material
		Zinc plated
		Steel
SA	-02	.04

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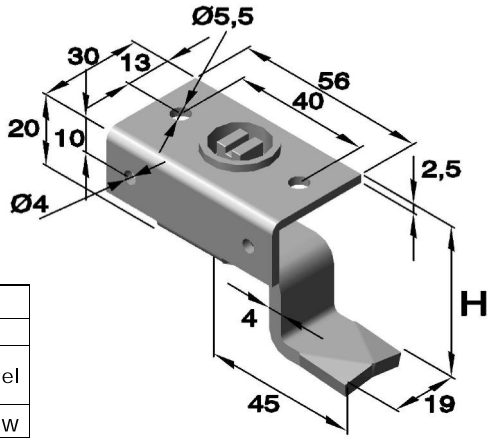
Quarter turns

Weld turn „AD40 S "

Material and surfaces:
Actuation: Zamak
Weld-turn housing : Steel zinc plated
Steel raw



Please insert the art no. for the latch (Art no. ZH)

article no.								
Series	Actuation						Material	
	Square cut		Saddle		Double bit		Steel	Steel
	□7mm	□8mm	**Δ7**	**Δ8**	Ø3	Ø5		
AD40S	BVK7	BVK8	BDK7	BDK8	BDB3	BDB5	Zinc plated	Raw

Pointer „AZ "for weld turn „AD ", closing distance 90°

Material and surfaces:
Steel zinc plated

Article no.		Dimensions in mm
Series	Material Steel	H
AZ 6	Zinc plated	6
AZ 8	Zinc plated	8
AZ 10	Zinc plated	10
AZ 12	Zinc plated	12
AZ 15	Zinc plated	14
AZ 16	Zinc plated	16
AZ 18	Zinc plated	18
AZ 20	Zinc plated	20
AZ 22	Zinc plated	22
AZ 24	Zinc plated	24
AZ 26	Zinc plated	26
AZ 27	Zinc plated	27
AZ 28	Zinc plated	28
AZ 30	Zinc plated	30
AZ 32	Zinc plated	32
AZ 34	Zinc plated	34
AZ 36	Zinc plated	36
AZ 37	Zinc plated	37
AZ 38	Zinc plated	38
AZ 40	Zinc plated	40
AZ 42	Zinc plated	42
AZ 44	Zinc plated	44
AZ 46	Zinc plated	46
AZ 49	Zinc plated	49
AZ 52	Zinc plated	52

Ordering example:
Art.no. AD40 / BDB3 / AZ18

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Quarter turns „specially designed"

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Locking devices and mechanic catches

Art.:6907

Art.:6321

Art.:6313

Art.:6324

Art.:6350

Art.:6355

Art.:6352

Art.:6800

Art.:6314

Art.:6315

Art.:6235

Art.:6318

Art.:6325

Art.:6300

Art.:6305

Art.:6323

Art.:6308

Art.:6322

Art.:6310

Art.:6312

Art.:6328

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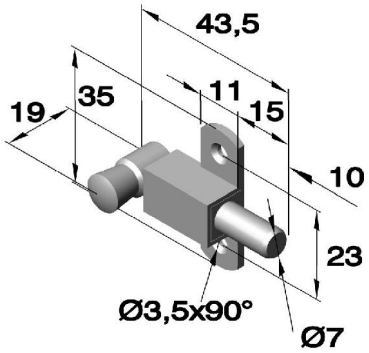
Locking devices and mechanic catches

Art. no.: 6314 (perforated and countersunk)

Latch with return spring

Article no.		
Seriess	Execution	Material
		Zinc plated
		Steel
6314	.01	.04

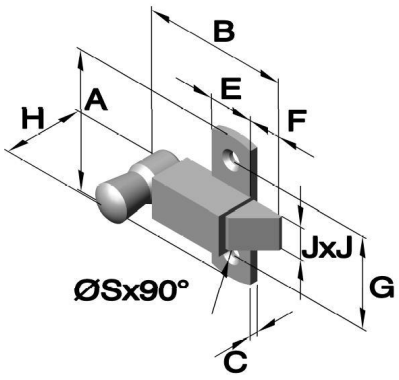


Art. no.: 6315 (perforated and countersunk)

Latch with return spring

Suitable strike plate:
Art. no.: 6318. __

Article no.				Dimensions in mm								
Seriess	Execution	Material		A	B	C	E	F	G	H	J	S
		Zinc plated	Chrome plated									
		Steel	Brass									
6315	.01	.04	.23	35	36,5	2,2	11	8	23	19	8	3,5
6315	.02	.04	.23	50	56	2,7	16	12	34	27	12	4,8
6315	.03	.04	.23	70	73	3,5	22	17	45	38	16	7

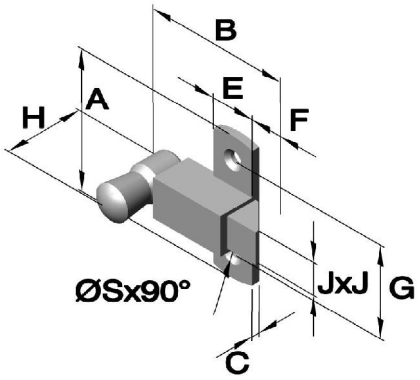


Art. no.: 6316 (perforated and countersunk)

Latch with return spring

Suitable Strike plate:
Art. no.: 6318. __

Article no.				Dimensions in mm								
Seriess	Execution	Material		A	B	C	E	F	G	H	J	S
		Zinc plated	Chrome plated									
		Steel	Brass									
6316	.01	.04	.23	35	36,5	2,2	11	8	23	19	8	3,5
6316	.02	.04	.23	50	56	2,7	16	12	34	27	12	4,8
6316	.03	.04	.23	70	73	3,5	22	17	45	38	16	7



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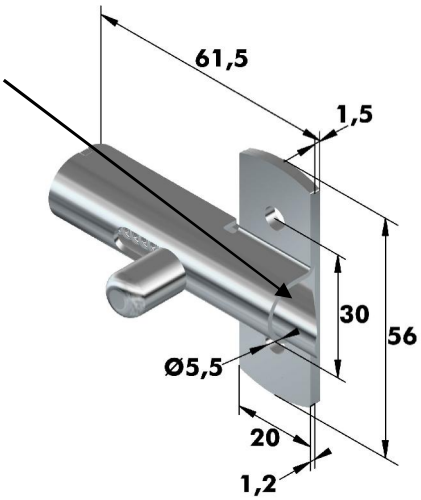
Locking devices and mechanic catches

Art.no. 6316 (perforated)

.04 bolt upward



Latch with return spring

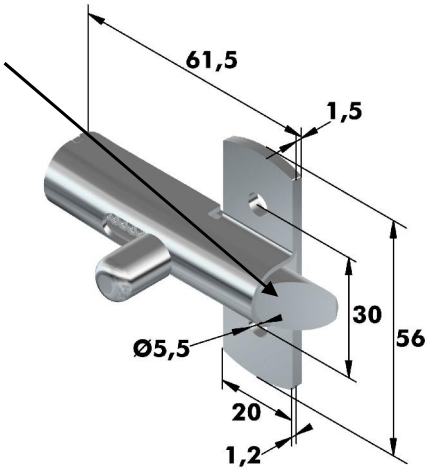
Resistant to water and detergents.

Also appropriate for applications in aggressive enviroments.

Article no.		
Seriess	Execution	Material
		Stainless steel
6316	.04	.30

Art.no. 6316 (perforated)

.05 bolt downwards



Latch with return spring.

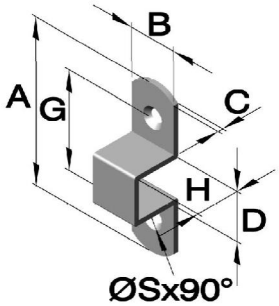
Resistant to water and detergents.

Also appropriate for applications in aggressive enviroments..

Article no.		
Seriess	Execution	Material
		Stainless steel
6316	.05	.30

Art. no.: 6318 (perforated and countersunk)

Strike plate suitable for:
Art. no.: 6315. __
Art. no.: 6316. __



Article no.				Dimensions in mm						
Seriess	Execution	Material		A	B	C	D	G	H	S
		Zinc plated	Chrome plated							
		Steel	Brass							
6318	.01	.04	.23	35	11	1,2	11,5	23	11,5	3,5
6318	.02	.04	.23	50	16	1,5	16	34	16	4,8
6318	.03	.04	.23	68,5	22	2	21	43,5	21	7

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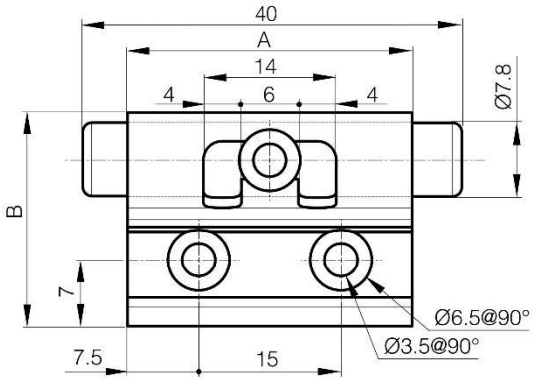
Locking devices and mechanic catches

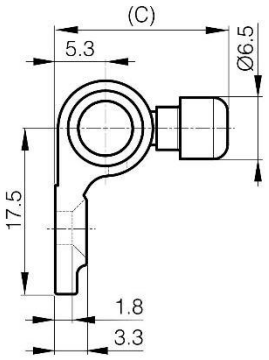
Art.no.:6316

Small aluminium lock bolt.

Bolt protrusion: 10mm (closed position)
Locking plate is not part of the scope of delivery.

Article no.			Dimensions in mm		
Seriess	Execution	Material Colourless anodized Aluminium	A	B	C
6316	.08	.71	30	22.5	18.2

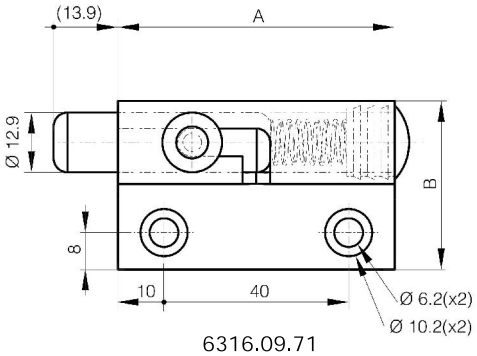




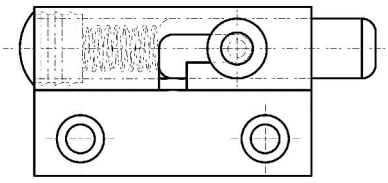
Art.no.:6316

Aluminium sliding bolt.
Strike plate not included.

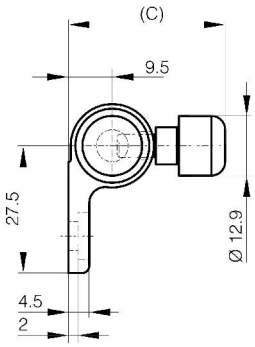
Article no.			Dimension in mm		
Seriess	Execution	Material Aluminium Colourless anodized	A	B	C
6316	.09	.71	60	37	33,5
6316	.10	.71	60	37	33,5



6316.09.71



6316.10.71



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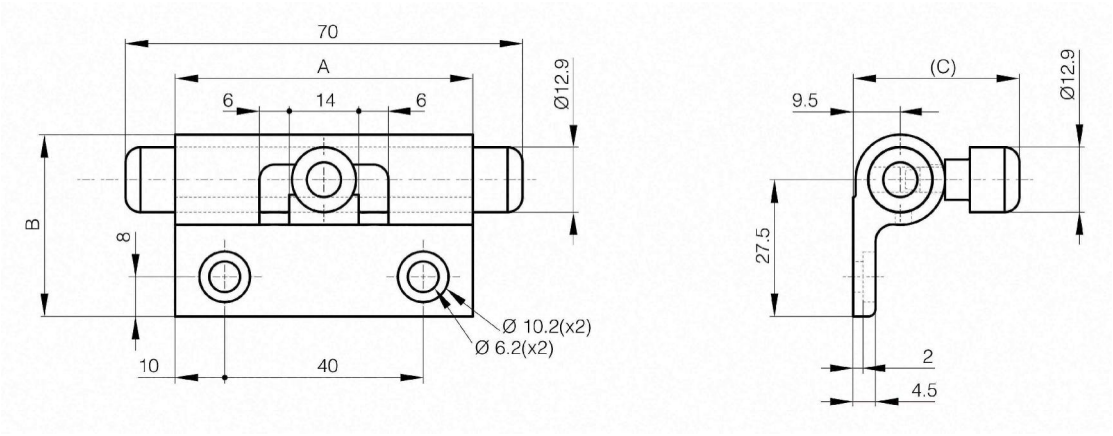
Locking devices and mechanic catches

Art.no.:6316

Aluminium sliding bolt.
Strike bolt not included.

Article no.			Dimension in mm		
Seriess	Execution	Material	A	B	C
		Aluminium			
		Colourless anodized			
6316	.11	.71	60	36.5	34

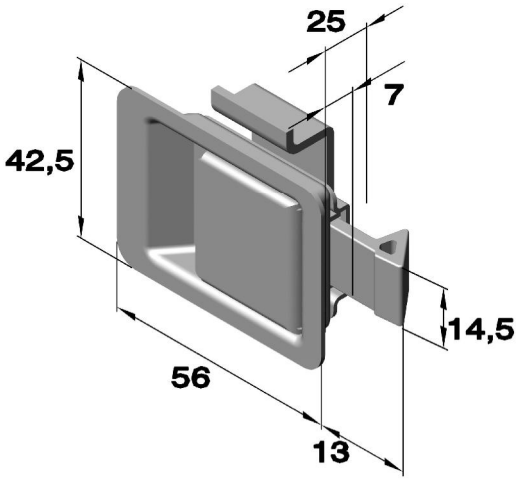


Art.no. 100.2485

Countersunk folding handle with return spring, to screw

Clamping area: 7mm

Installation opening: 37x 48



Article no.		
Seriess	Material	
	Chrome plated	Brushed
	Steel	Stainless steel
100.2485	.03	.30

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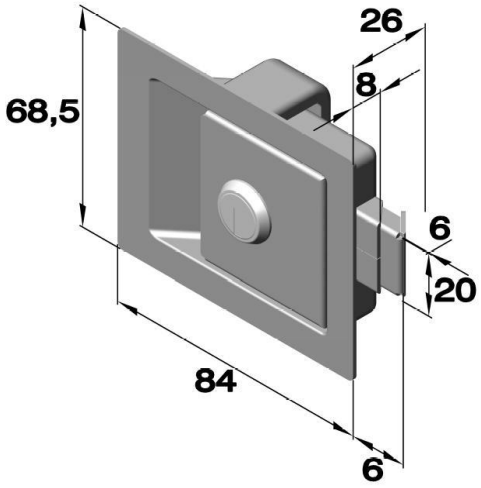
Locking devices and mechanic catches

Art. no.: 6907

Countersunk folding handle with return spring, to screw

Installation opening: 72 x 56

Article no.					
Seriess	Execution	Material			
		Chrome plated	Zinc plated	Raw	
		Steel	Steel	Stainless steel	
6907	.02	-	.04	-	without lock
6907	.03	-	.04	-	with lock
6907	.04	-	-	.30	without lock
6907	.05	-	-	.30	with lock



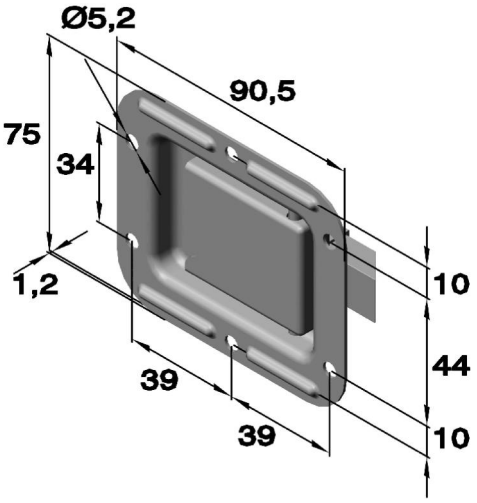
Art.no. 100.L1037 (perforated)

Countersunk folding handle with return spring, to screw

Clamping area: 11-12mm

Installation opening: 48 x 64

Article no.	
Seriess	Material
	Zinc plated
	Steel
100.L1037	.04



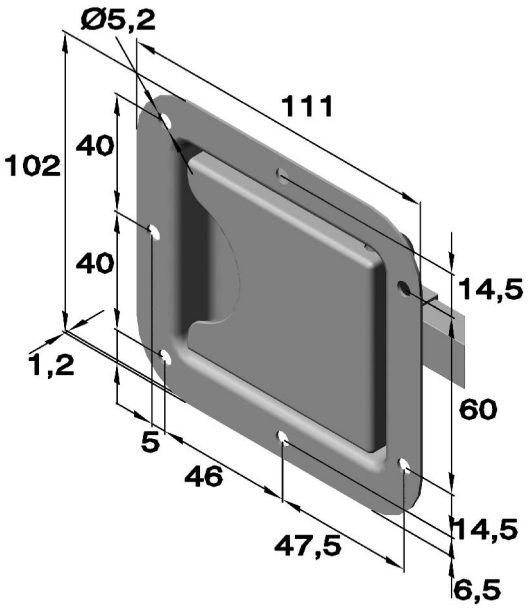
Art.no. 100.L1066 (perforated)

Countersunk folding handle with return spring, to screw

Clamping area: 11-12mm

Installation opening: 76 x 86

Article no.	
Seriess	Material
	Zinc plated
	Steel
100.L1066	.04



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Locking devices and mechanic catches

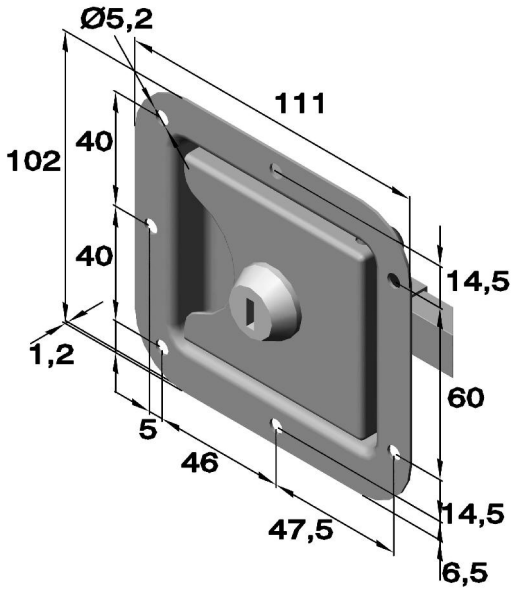
Art.no. 100.L1068 (perforated)

Countersunk folding handle with return spring, to screw with lock

Clamping area: 11-12mm

Installation opening: 76 x 86

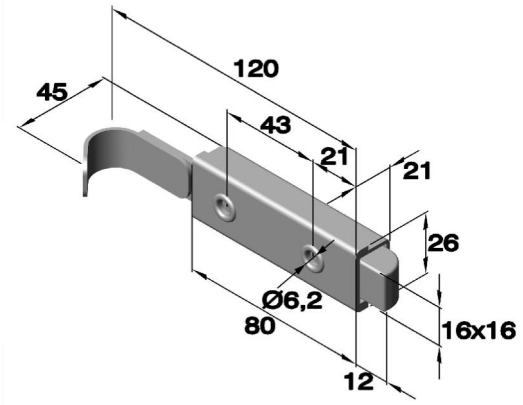
Article no.	
Seriess	Material
	Zinc plated
	Steel
100.L1068	.04



Art. no.: 3226 (perforated)

Latch with return spring

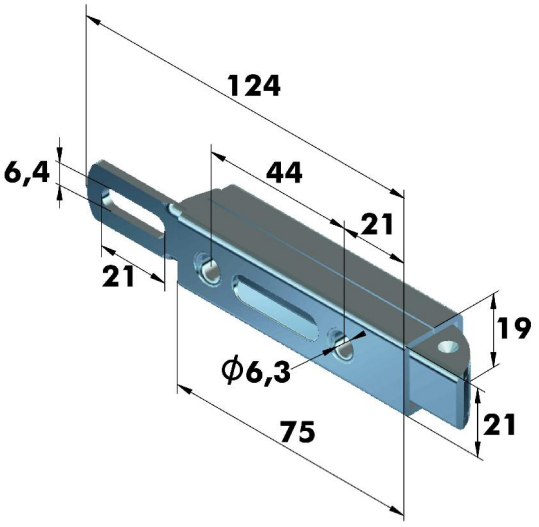
Article no.	
Seriess	Material
	Zinc plated
	Steel
3226	.04



Art.no. 161.1085 (perforated)

Spring bolt

Article no.		
Seriess	Material	Pulling power in N
	Steel	
	Zinc plated	
161.1085-U1	.04	10
161.1085-SU1	.04	15



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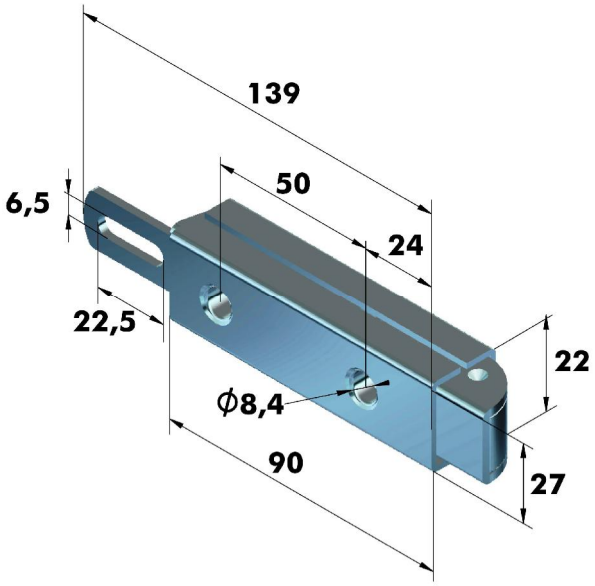
Locking devices and mechanic catches

Art.no. 161.1085. (perforated)

Spring bolt

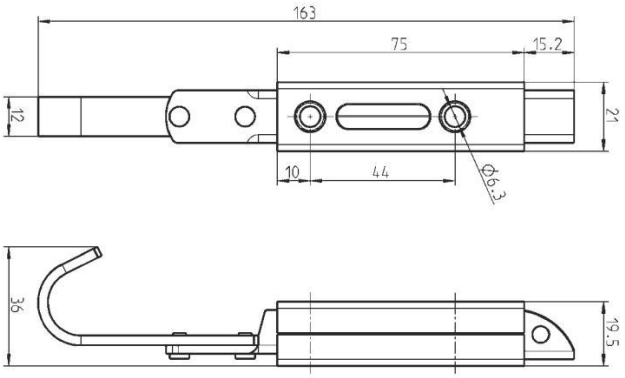
Article no.	
Seriess	Material
	Steel
	Zinc plated
161.1085-SU7	.04



Art.no. 161.1085. (perforated)

Spring bolt

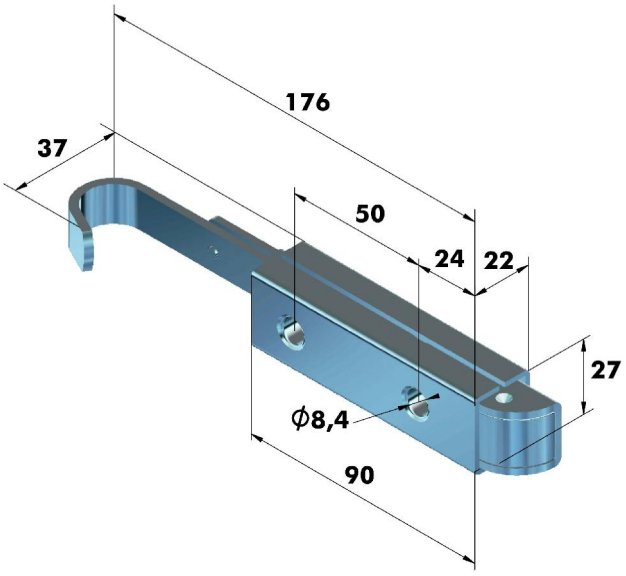
Article no.		
Seriess	Material	Pulling power in N
	Steel	
	Zinc plated	
161.1085-SU8	.04	10



Art.no. 161.1085. (perforated)

Spring bolt

Article no.	
Seriess	Material
	Steel
	Zinc plated
161.1085-SU6	.04



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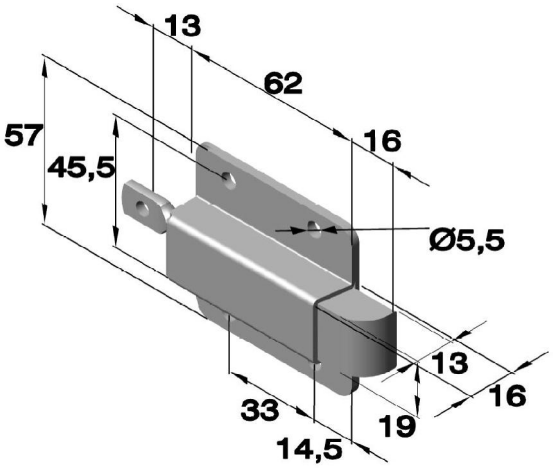
Locking devices and mechanic catches

Art. no.: 6321.01 (perforated, rounded up)

Latch with return spring

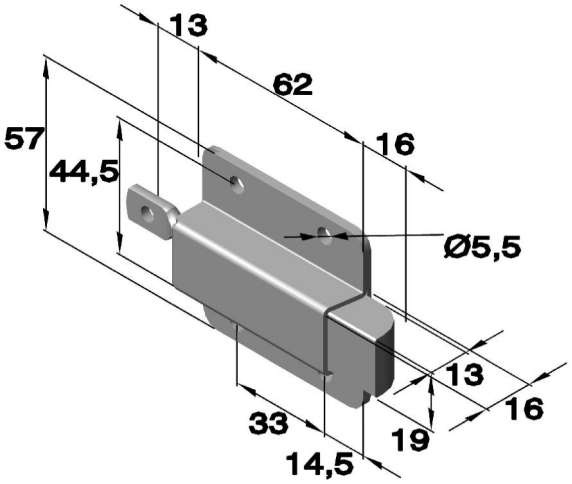
Article no.		
Seriess	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6321.01	.04	.30



Art. no.: 6321.02 (perforated, rounded down)

Latch with return spring

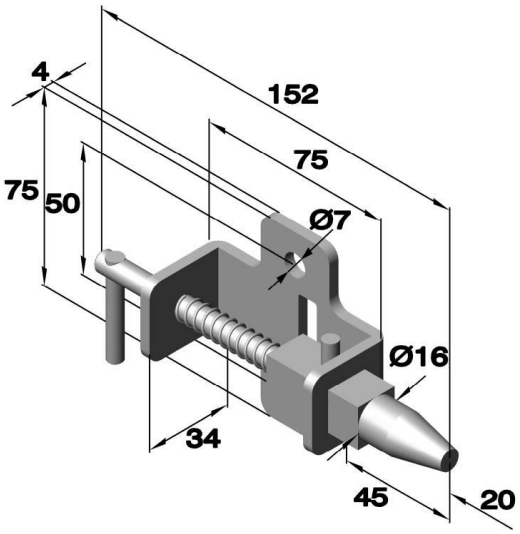
Article no.		
Seriess	Material	
	Zinc plated	Raw
	Steel	Stainless steel
6321.02	.04	.30



Art. no.: 6325 (perforated)

Latch with return spring

Article no.	
Seriess	Material
	Zinc plated
	Steel
6325	.04



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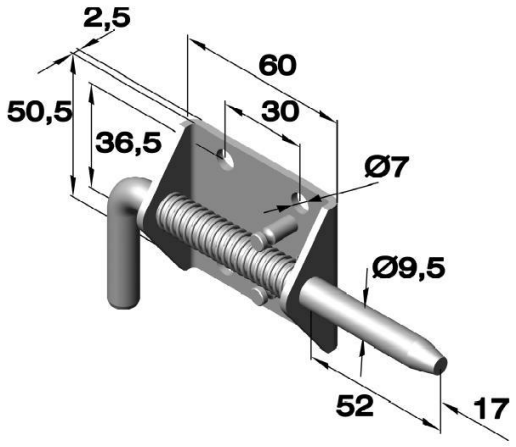
Locking devices and mechanic catches

Art. no.: 6330.01 (drilled)

Lock bolt with return spring

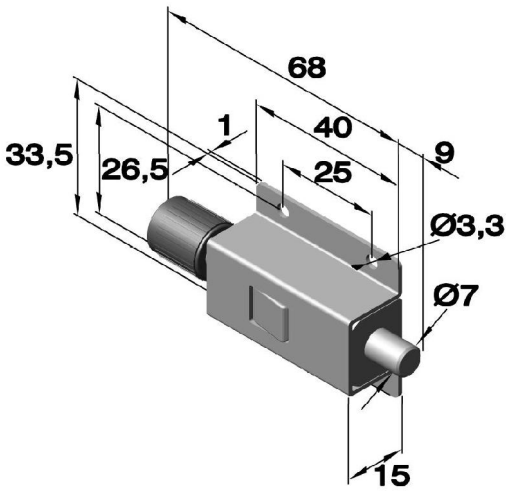
Article no.	
Seriess	Material
	Zinc plated
	Steel
6330.01	.04



Art. no.: 6235 (perforated)

Lock bolt with return spring

Article no.	
Seriess	Material
	Raw
	Stainless steel
6235	.30

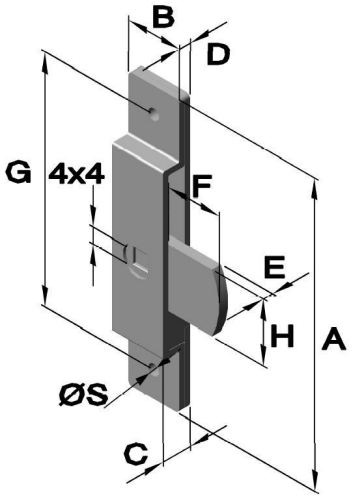


Art. no.: 6300 (perforated)

Latch

Suitable key:
Art. no.: 6310.01.08

Article no.			Dimensions in mm								
Seriess	Execution	Material / Zinc plated / Steel	A	B	C	D	E	F	G	H	S
6300	.01	.08	75	14	7	3	2,5	14	61	14	3,6
6300	.02	.08	85	16	8	3	3	15	66	16	3,6



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Locking devices and mechanic catches

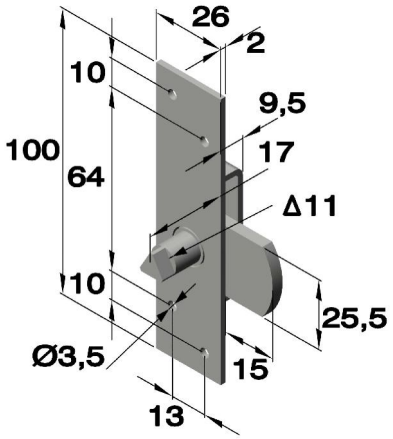
Art. no.: 6305 (perforated)

Latch

This article works left and right

Suitable key:
Art. no.: 6312.01.__

Article no.		
Seriess	Execution	Material
		Steel
		Zinc plated
6305	.01	.04

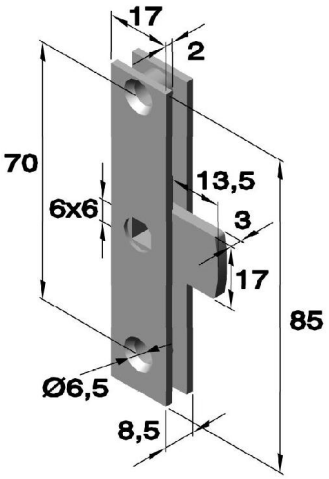


Art. no.: 6308 (perforated)

Latch
This article works left and right

Suitable key:
Art. no.: 6328

Article no.		
Seriess	Execution	Material
		Raw
		Stainless steel
6308	.02	.30



Art. no.: 6322 (perforated)

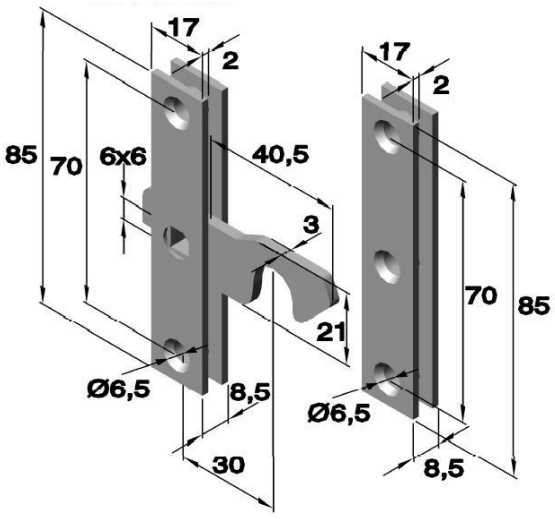
Latch with return spring
This article works left and right

Suitable key:
Art. no.: 6328

Article no.		
Seriess	Execution	Material
		Raw
		Stainless steel
6322	.01	.30
6322	.02	.30

Art.no.: 6322.01.30

Art.no.: 6322.02.30



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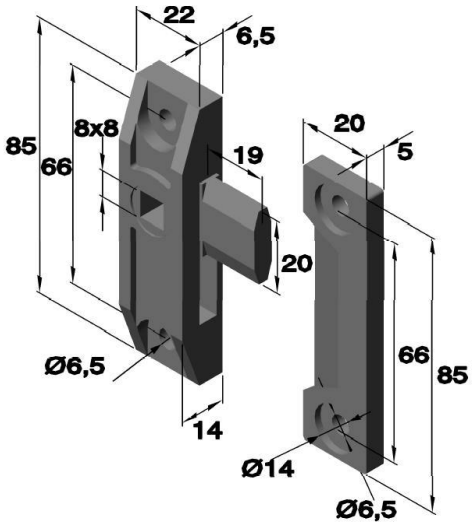
Locking devices and mechanic catches

Art. no.: 6323 (perforated)

Latch
This article works left and right

Suitable key:
Art. no.: 6328

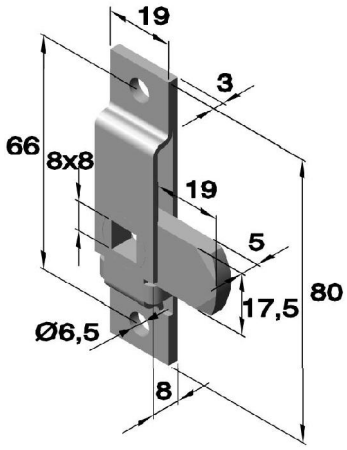


Article no.	
Seriess	Material
	POM (Polyoxymethylene)
6323	.30

Art. no.: 6327 (perforated)

Latch
This article works left and right

Suitable key:
Art. no.: 6328

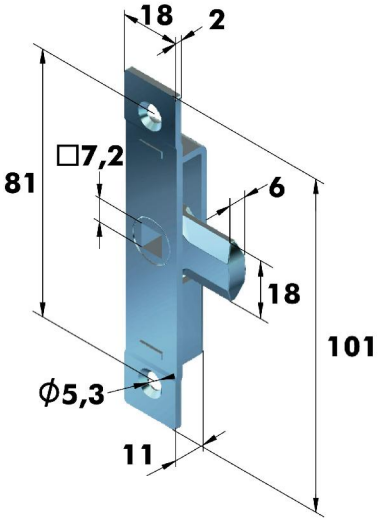


Article no.			
Seriess	Execution	Material	
		Zinc plated	Raw
		Steel	Stainless steel
6327	.01	.04	-
6327	.02	-	.30

Art.no. 161.1001. (perforated)

Reed lock with spring

Backset ca. 9,5mm



Article no.	
Seriess	Material
	Steel
	Zinc plated
161.1001-U43	.04

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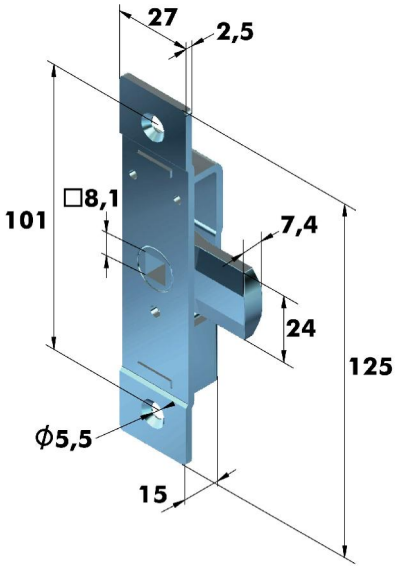
Locking devices and mechanic catches

Art.no. 161.1001. (perforated)

Reed lock with spring

Backset 13mm

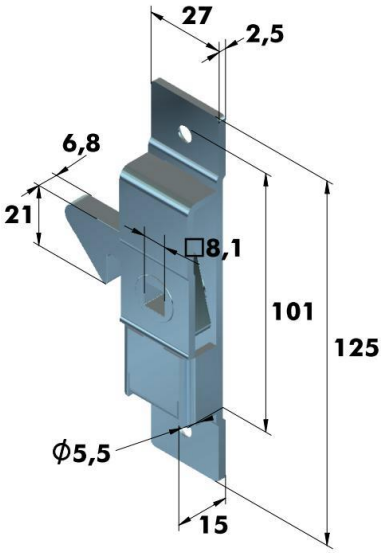


Article no.	
Seriess	Material
	Steel
	Zinc plated
161.1001-U44	.04

Art.no. 161.1001. (perforated)

Reed lock with spring

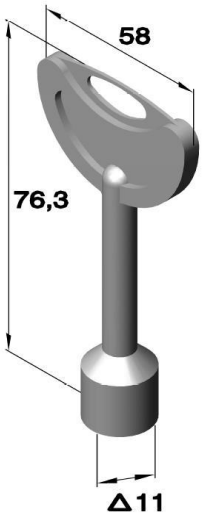
Backset 13mm



Article no.		
Seriess	Execution	Material
		Steel
		Zinc plated
161.1001-U45	-RE	.04
161.1001-U45	-LI	.04

Art. no.: 6312

Suitable for:
Art. no.: 6305. __



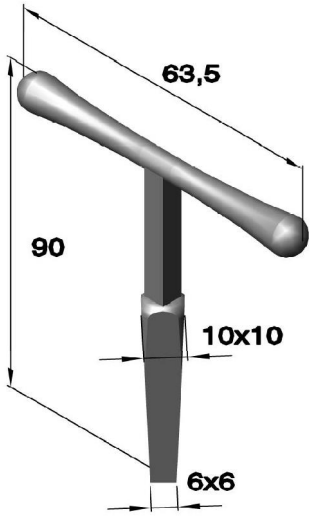
Article no.		
Seriess	Execution	Material
		Zinc plated
		Zamak
6312	.01	.04

Locking devices and mechanic catches

Art. no.: 6328

Suitable for:
Art. no.: 6308. __
Art. no.: 6322. __
Art. no.: 6323. __
Art. no.: 6327. __

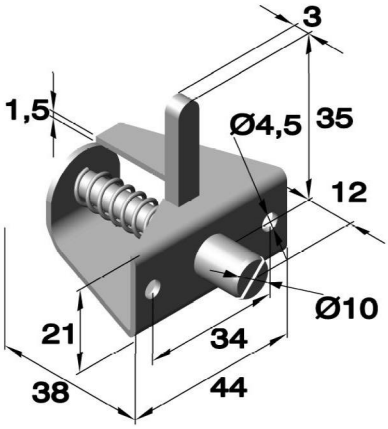
Article no.	
Seriess	Material
6328	Cast steel



Art. no.: 6319 (perforated)

Latch with return spring
Spring made of stainless steel

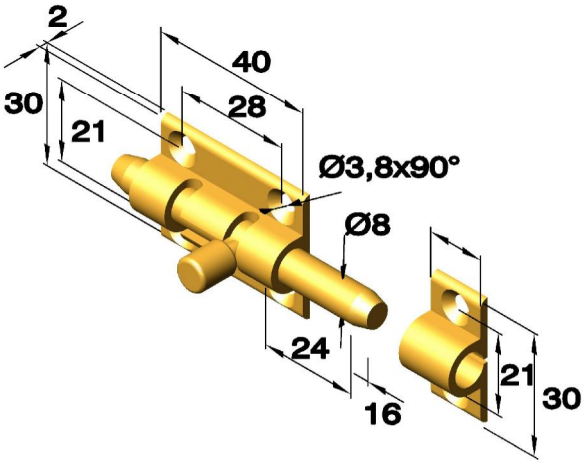
Article no.	
Seriess	Material
	Zinc plated
	Steel
6319	.04



Art. no.: 6313 (perforated and countersunk)

Shoot bolt with locking plate

Article no.		
Seriess	Material	
	Brass	Brass
	Polished	Chrome plated
6313	.22	.23



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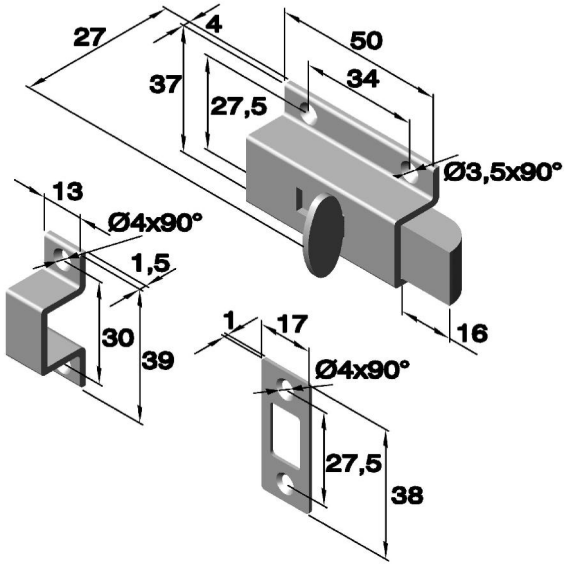
Locking devices and mechanic catches

Art. no.: 6324 (perforated and countersunk)

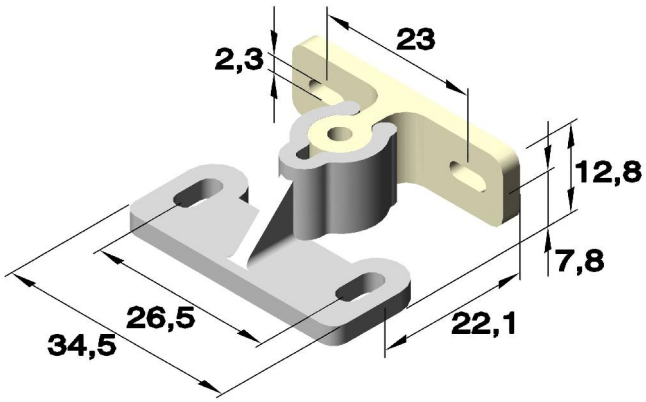
Shoot bolt with locking plate

Article no.	
Seriess	Material
	Satin finished
	Stainless steel
6324	.30



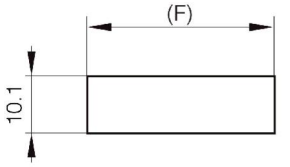
Art.no. 6356

Article no.		
Series	Execution	Material
		Raw
		Plastic
6356	.01	.86



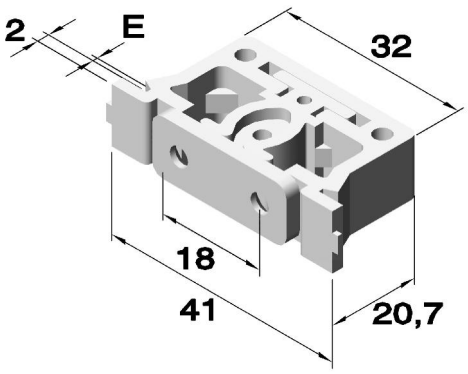
Art.no. 6354

Installation opening



E	0.8	1.0	1.2
(F)	32.3	32.9	33.8

Article no.		
Series	Execution	Material
		Raw
		Plastic
6354	.01	.86



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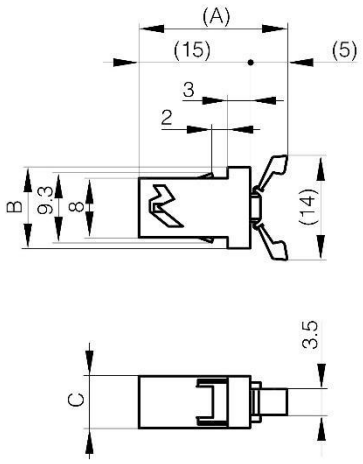
Locking devices and mechanic catches

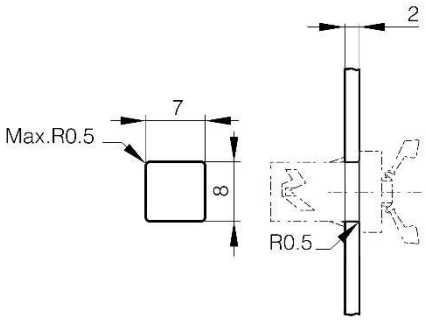
Art.no. 6346 (for small applications)

For 2mm sheet thickness

Counter plate sold separately.

Article no.			Dimensions in mm			
Seriess	Execution	Material Black POM/PA	A	B	C	Power in kg
6346	.01	.87	20	10,9	7	1,2

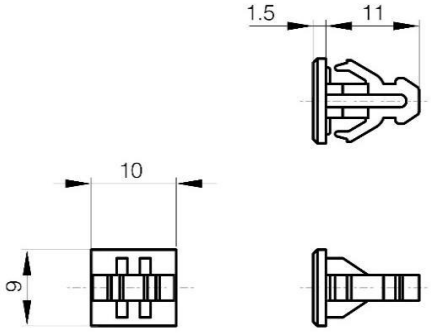


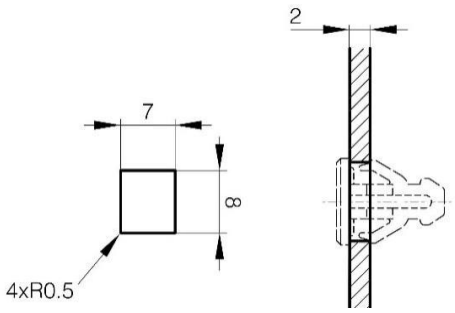


Art.no. 6347

Backplate for metal applications

Article no.		
Series	Execution	Material Black POM
6347	.01	.87





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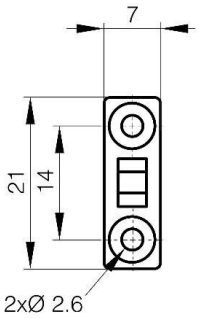
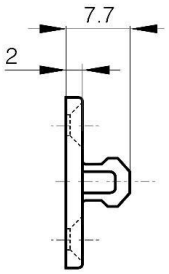
Locking devices and mechanic catches

Art.no. 6348

Backplate for wood applications

Article no.		
Series	Execution	Material Black POM
6348	.01	.87





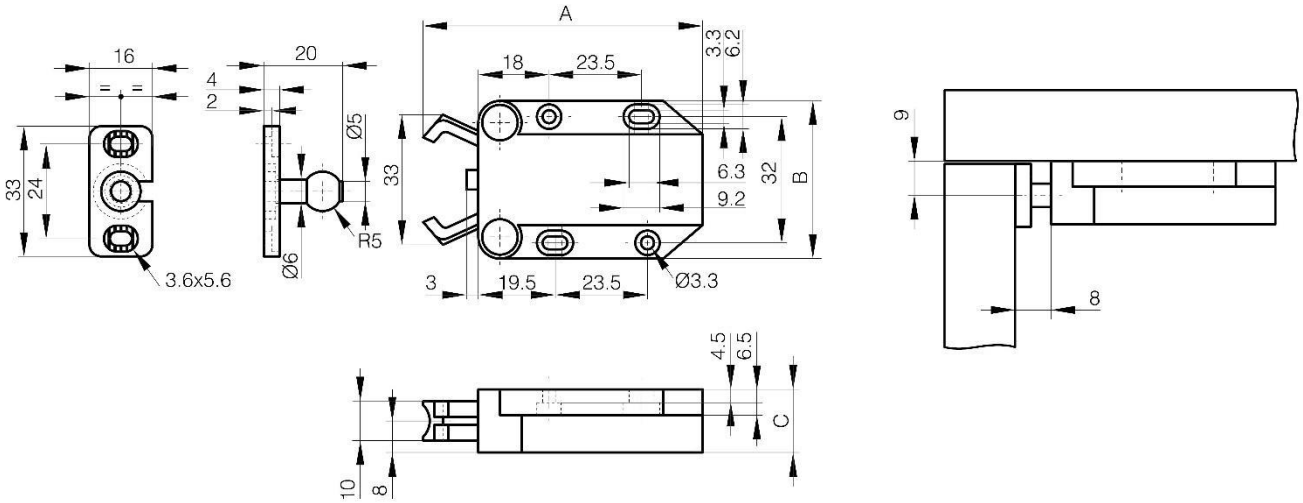
Art.no. 6349

Opening force: 8kg
Counter plate with flexible ball retainer allows easy alignment.

Attention: For internal doors a gap is required 3mm between door and frame.

Screws included in delivery.

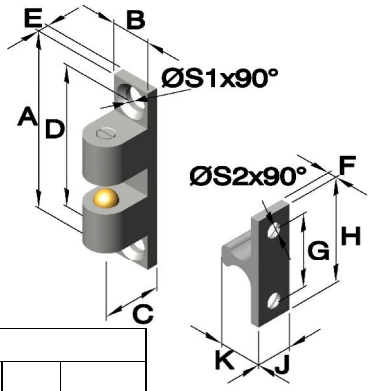
Article no.			Dimensions in mm			Power in kg
Series	Aus-führung	Material Black ABS/POM	A	B	C	
6349	.01	.87	71	40	16	8



Locking devices and mechanic catches

Art. no.: 6352 (perforated and countersunk)

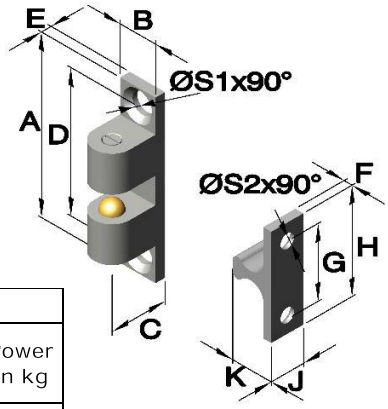
Double ball catcher, mechanical
to screw



Article no.			Dimensions in mm												
Series	Execution	Material: Chrome plated / Zamak	A	B	C	D	E	F	G	H	J	K	S1	S2	Power in Kg
6352	.01	.53	42,5	8	10	35	2,5	2,5	16	25	7,5	11	3,2	3,2	3
6352	.03	.53	50	10	12,5	40	3	2,5	20	30	9	12	4,2	4,2	3,3
6352	.05	.53	70	13,5	17	60	4	3	30	42	10,5	17	4,2	4,2	3,5

Art.no. 6353 (perforated and countersunk)

Double ball catcher, mechanical
to screw
The catch force is not adjustable.

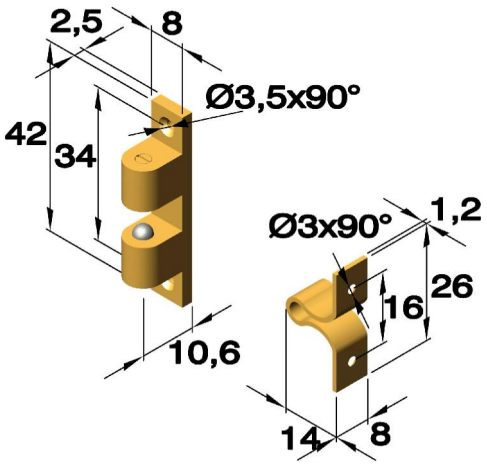


Article no.			Dimensions in mm											
Series	Execution	Material: Stainless steel / Polished	A	B	C	D	E	F	G	H	J	K	S1/S2	Power in kg
6353	.01	.33	43	8	10	35	2,5	2,5	16	25	7,5	11	3,2	1,3
6353	.03	.33	50	10	12,2	40	2,9	2,9	20	30	9	13	4,2	1,8
6353	.05	.33	70	13	17	60	4	4	30	42	10,5	19	4,2	3,9

Art. no.: 6355 (perforated and countersunk)

Double ball catcher, mechanical
to screw

The locking plate can be inserted in
2 different directions inside
the interlock plate



Article no.		
Series	Execution	Material: Brassed / Zamak
6350	.01	.52

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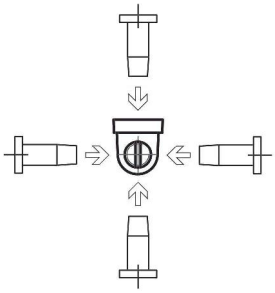
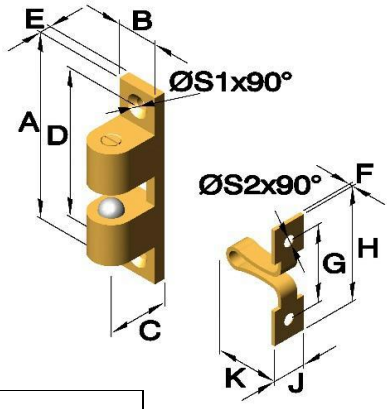
Locking devices and mechanic catches

Art.no. 6350 (drilled and countersunk)

Double ball catcher, mechanical
to screw

The locking plate can be inserted in
4 different directions inside
the interlock plate

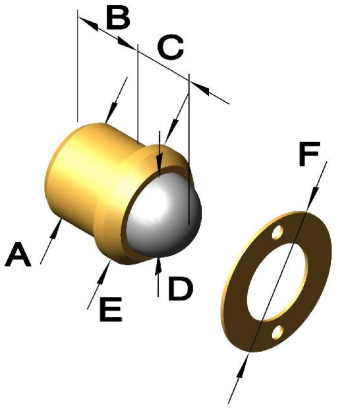




Article no.			Dimensions in mm											
Series	Execution	Material Zamak Brassed	A	B	C	D	E	F	G	H	J	K	S1	S2
6350	.01	.52	49,9	11,4	12,6	40	3	1,4	20,2	30,5	8,1	17	4,3	4
6350	.02	.52	60	14,6	14,7	48	3	2	27	42	10,2	20	4,2	5
6350	.03	.52	70	17,3	16,5	57	3,5	2	34	50	12	22,5	4,3	3,5

Art. no.: 6800

Ball catcher



Article no.			Dimensions in mm					
Series	Execution	Material Raw Brass	A	B	C	D	E	F
6800	.01	.20	8	7,5	4,5	6,5	9	16
6800	.02	.20	10	8,5	6,5	8	11	16
6800	.03	.20	12	9	7	10	13	19,5
6800	.04	.20	13	10,5	7,2	10	14	19,5

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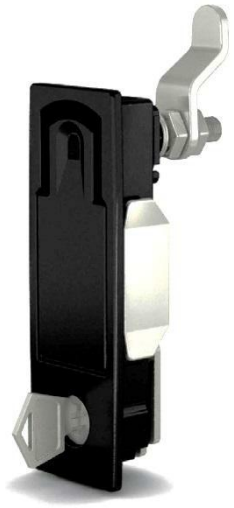
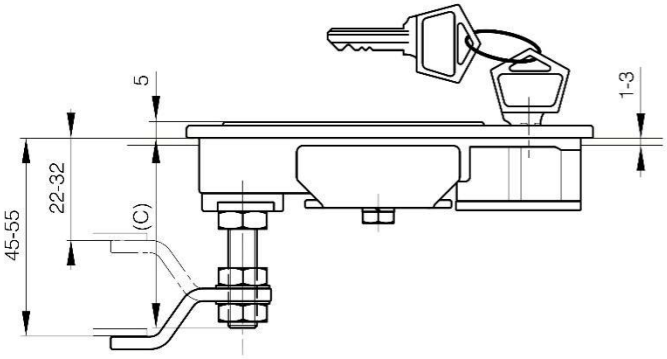
Locking devices and mechanic catches

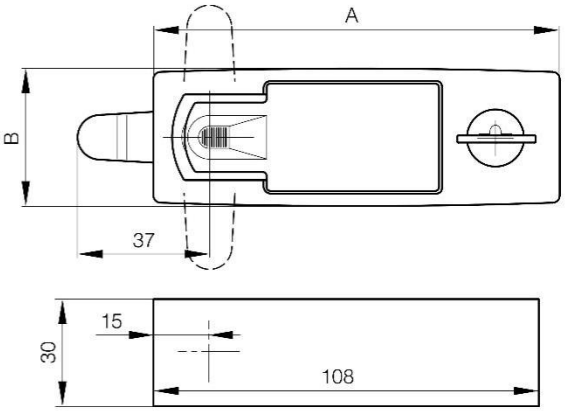
Art.no. 6335

Compression latch
The bolt is always delivered with the same key.

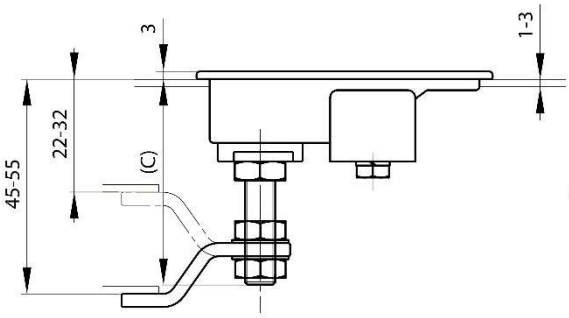


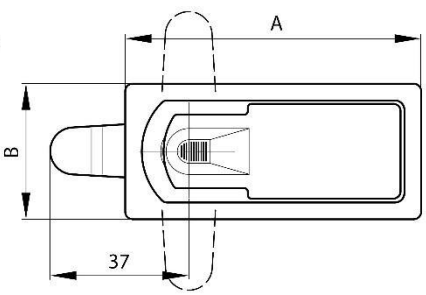
Article no.				Dimensions in mm		
Series	Execution	Material: Black coated / Zamak		A	B	C
6335	.06	.59	With key	114	38,5	52

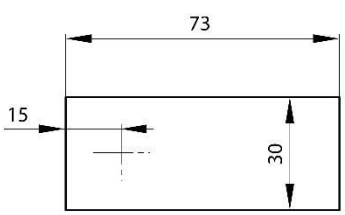




Article no.				Dimensions in mm		
Series	Execution	Material: Black coated / Zamak		A	B	C
6335	.05	.59	Without key	79	36	52







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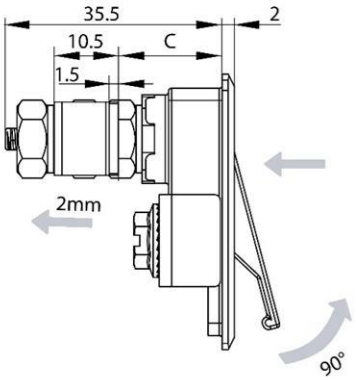
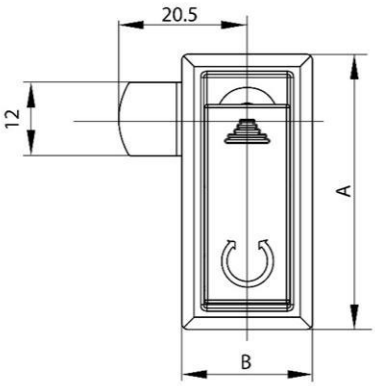
Locking devices and mechanic catches

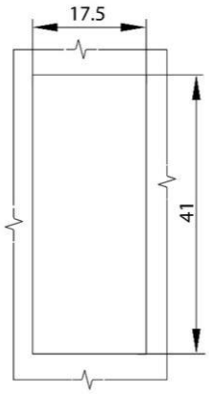
Art.no. 6335

Compression latch
Measure C individually adjustable by screw.
Attachment and tongue made of galvanized steel.

Article no.			Dimensions in mm		
Series	Execution	Material Black Zamak	A	B	C
6335	.07	.59	45	21,4	14-20



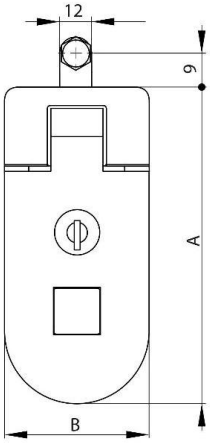


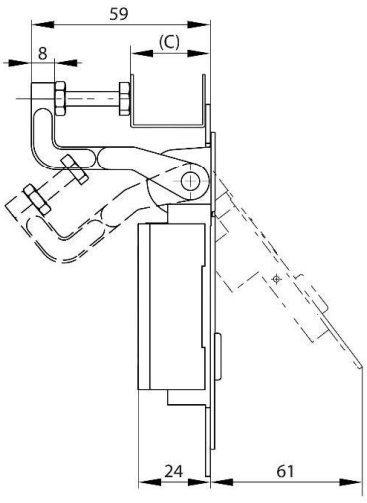


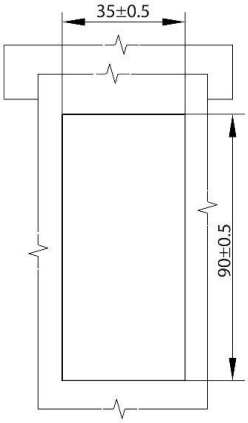
Art.no. 6335

Compression latch with key
Delivered with the same key.
Mounting plate and screws made of galvanized steel.

Artikel no.			Dimensions in mm		
Series	Execution	Material Black Zamak	A	B	C
6335	.10	.59	110	50	31-48







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Locking devices and mechanic catches

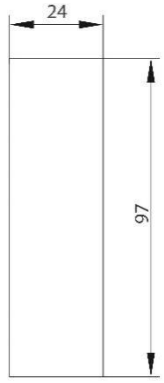
Art.no. 6335

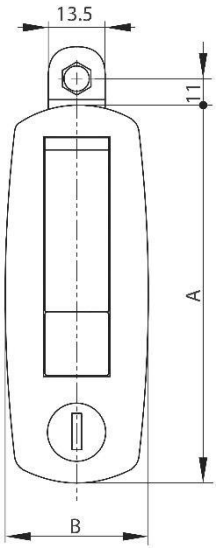
Compression latch
Available with or without closing cylinder.

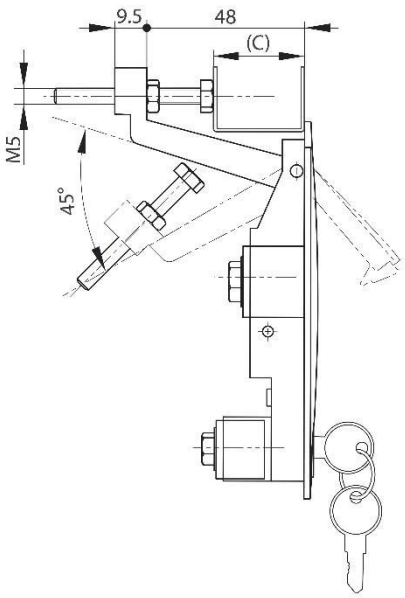
Adjustable clamping area from 1-35mm

Supplied with a mounting plate and screws made of galvanized steel.

Article no.				Dimensions in mm		
Series	Execution	Material Black coated Zamak		A	B	C
6335	.11	.59	With lock	106	42	1-35
6335	.12	.59	Without lock	106	42	1-35







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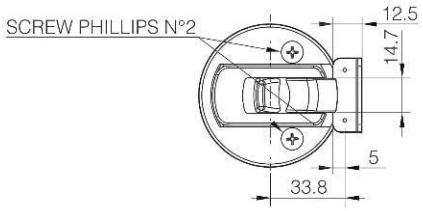
Locking devices and mechanic catches

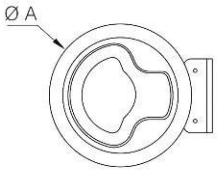
Art.no.: 6380

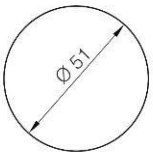
Snap lock

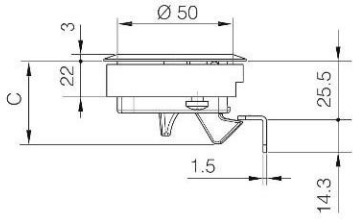
Material: UL94 - HB ABS.

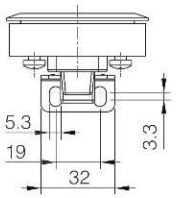
Article no.				Dimensions in mm		Weight (g)
Series	Execution	Material		A	B	58
		White	Black			
		Plastic				
6380	.01	.81	.80	61	35.5	









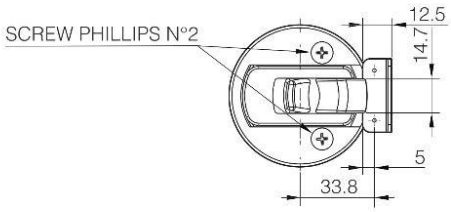


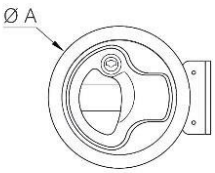
Art.no.: 6381

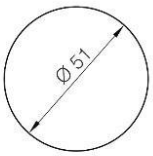
Lockable snap lock

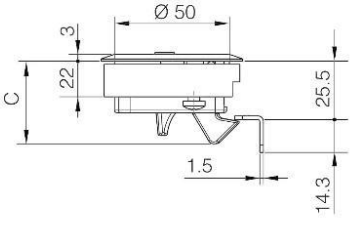
Material: UL94-HB ABS.

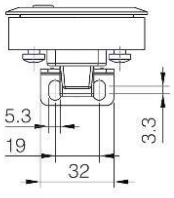
Article no.			Dimensions in mm		Weight (g)
Series	Execution	Material	A	B	58
		Black			
		Plastic			
6381	.01	.80	61	35.5	











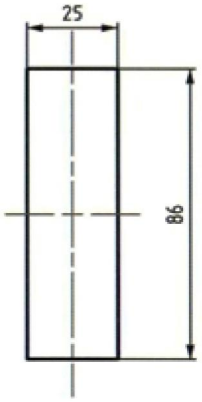
Locking devices and mechanic catches

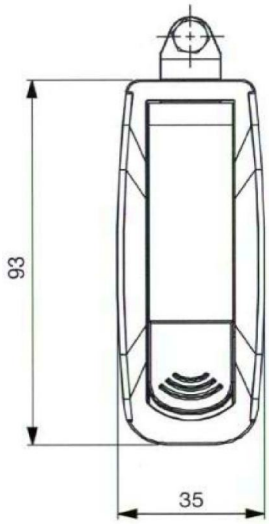
Art.no. L80

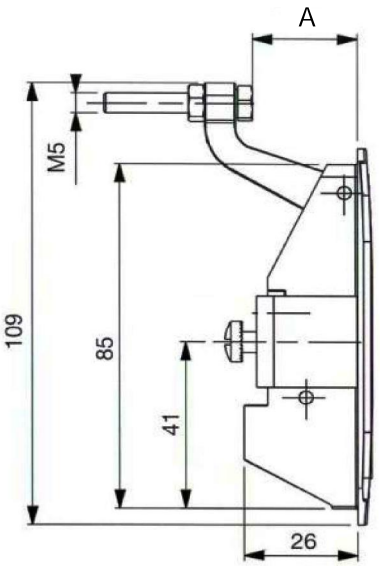
Compression latch
With or without lock cylinder available
Adjustable clamping area from 24-46mm
Suitable for panel thickness from max. 2mm
Supplied with a mounting plate

Article no.							Dimensions in mm
Series	Execution	Material: Black coated, Zamak	Material: Chrome plated, Zamak	Same key	Different key	Without lock	A
L80	B	-EH	-ED	A	D	N	0-24
L80	A	-EH	-ED	A	D	N	24-46

Dimensions and hole preparations:







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Hasps

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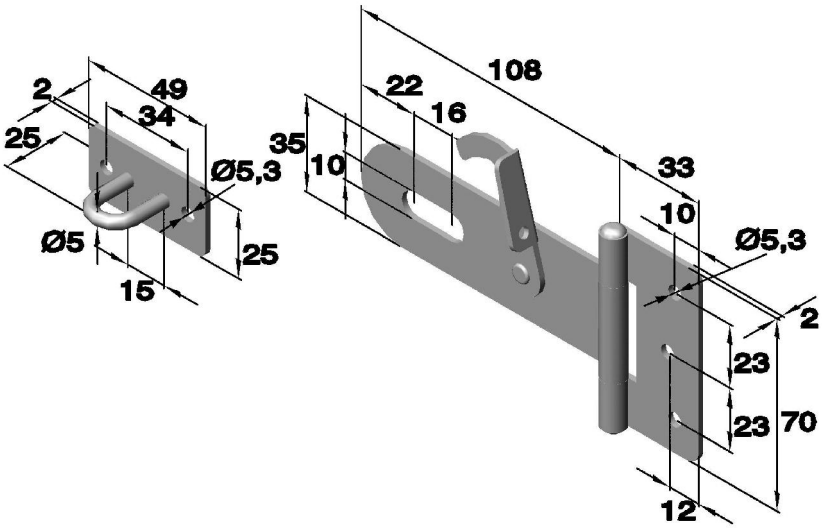
Hasps

Art. no.: 3045 (perforated)

Hasp with lock bracket

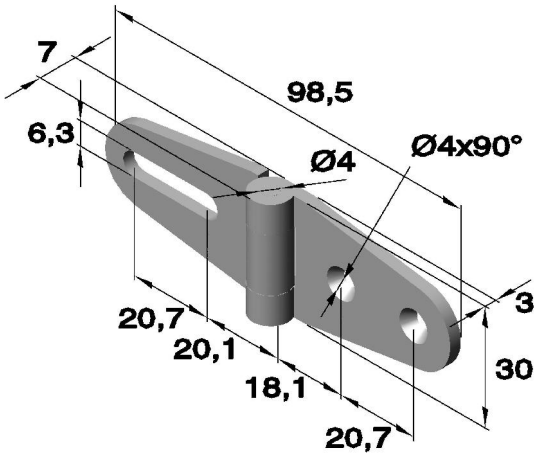


Article no.	
Series	Material
	Zinc plated
	Steel
3045	.04

Art. no.: 6028.01 (perforated and countersunk)

Hasp

Suitable lock bracket:
Art. no.: 6029.01.23

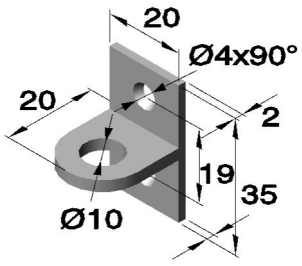


Article no.	
Series	material
	Chrome plated
	Brass
6028.01	.23

Art. no.: 6029.01 (perforated and countersunk)

Lock bracket

Suitable hasp:
Art. no.: 6028.01.23



Article no.	
Series	Material
	Chrome plated
	Brass
6029.01	.23

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Magnetic catches

Art.:6470.25

Art.:6470.04

Art.:6470.30

Art.:6470.06

Art.:6470.07

Art.:6470.09

Art.:6470.15

Art.:6470.08

Art.:6470.28

Art.:6470.17

Art.:6470.12

Art.:6470.13

Art.:6470.14

Art.:6470.01

Art.:6470.16

Art.:6470.32

Art.:6470.11

Art.:6470.11.08

Art.:6470.16

Art.:6470.18

Art.:6470.19

Art.:6470.21

Art.:6470.29

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Magnetic catches

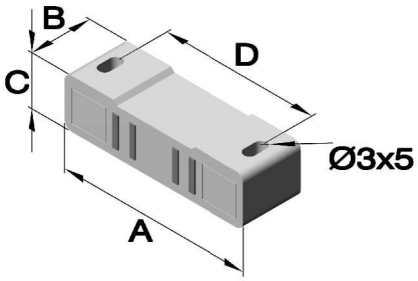
Ordering example:

Art.no 6072 01/02. 04/30

- 6072 → Series
- 01/02. → Execution
- 04/30 → Material (zinc plated, stainless steel)

Art. no.: 6470.01

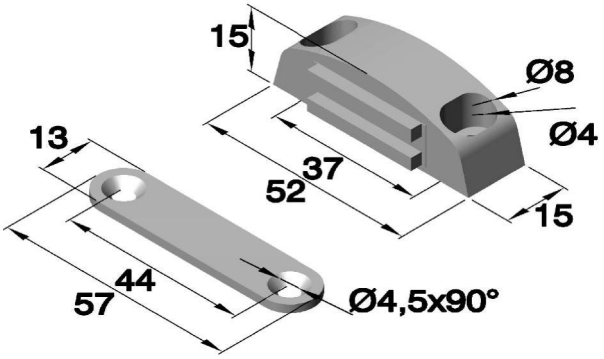
Magnetic catches



Article no.			Dimensions in mm				Force in kg
Series	Execution	Material	A	B	C	D	
		Plastic					
6470	.01	White	48,5	16,5	13	39	4

Art.no. 6470.04

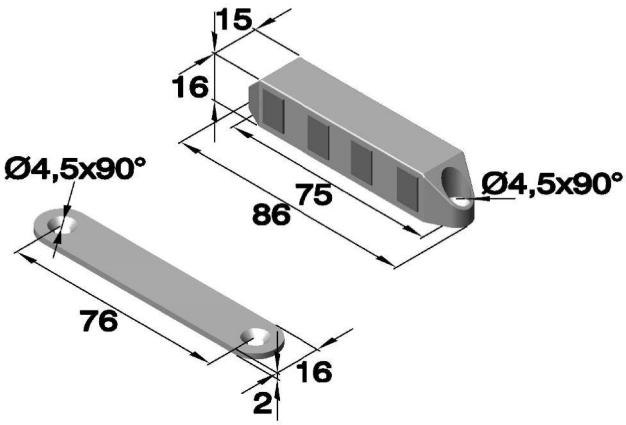
Magnetic catches with striking plate



Article no.			Force in kg
Series	Execution	Material	
		Zamak	
6470	.04	Nickel-plated	4

Art. no.: 6470.06

Magnetic catches with striking plate



Article no.			Force in kg	Temp. in C°
Series	Execution	Material		
		Zamak		
6470	.06.01	Nickel-plated	8	up to 80°
6470	.06.02	Nickel-plated	8	up to 300°

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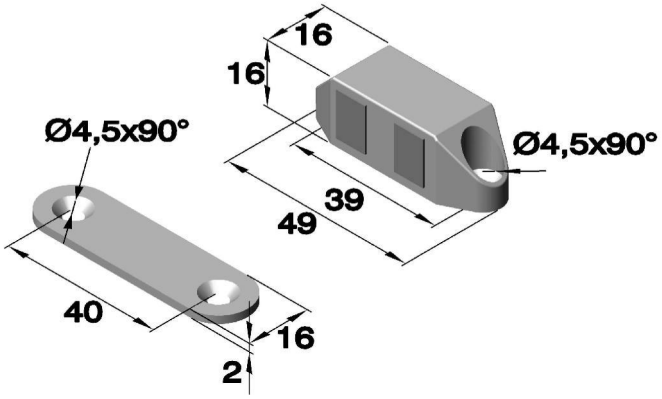
Magnetic catches

Art. no.: 6470.07

Magnetic catches with striking plate

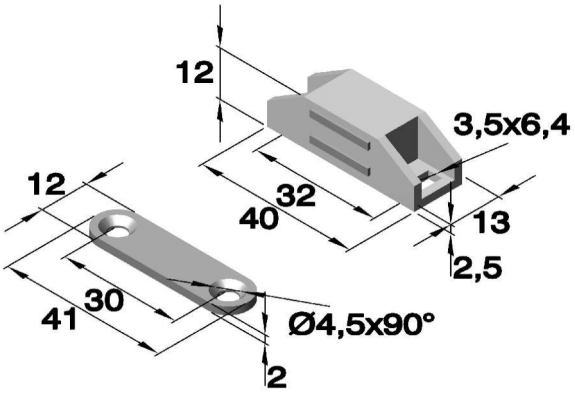
Article no.			Force in kg	Temp. in C°
Series	Execution	Material Zamak		
6470	.07.01	Nickel-plated	4	up to 80°
6470	.07.02	Nickel-plated	4	up to 300°



Art. no.: 6470.08

Magnetic catches with striking plate

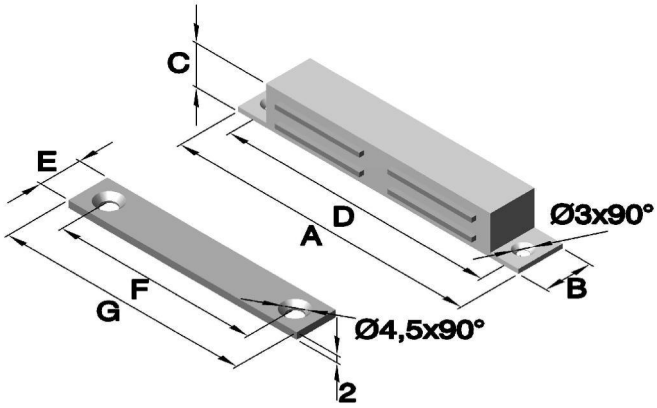
Article no.			Force in kg
Series	Execution	Material Plastic	
6470	.08	White	2-3



Art. no.: 6470.09

Magnetic catches with striking plate

Article no.			Dimensions in mm							Force in kg
Series	Execution	Material Plastic	A	B	C	D	E	F	G	
6470	.09.01	White	86	13	15	77	12	57	70	4,8
6470	.09.02	White	105,3	16	18	94	14	65	79	5,6



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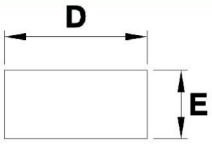
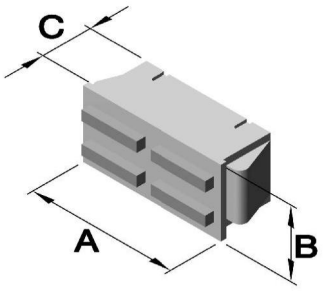
Magnetic catches

Art. no.: 6470.11

Magnetic catches

Hole pattern

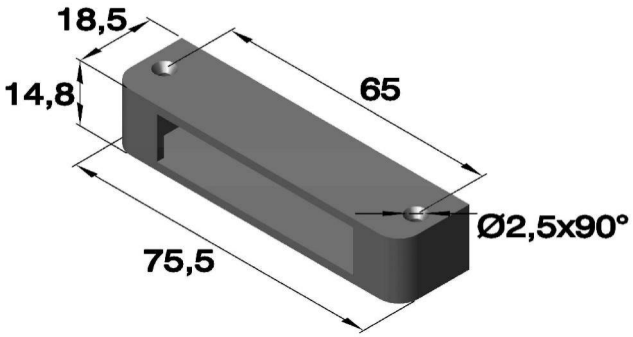




Article no.			Dimensions in mm						Force in kg
Series	Execution	Material Polypropylene	A	B	C	D	E	Sheet thickness	
6470	.11.01	White	25,5	12,3	10,4	23	11	1,5	1,5
6470	.11.02	White	25,5	9,6	11	23	8,2	1,5	1,8
6470	.11.03	White	39,5	10	11	35	8,2	1,5	4
6470	.11.04	Black	54	12,5	14,5	51,5	10,8	2,0	15

Art. no.: 6470.11.08

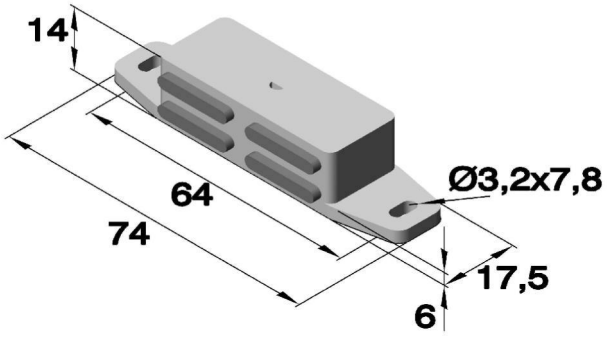
Housing for Art. no.: 6470.11.04



Article no.		
Series	Execution	Material Plastic
6470	.11.08	Black

Art. no.: 6470.12

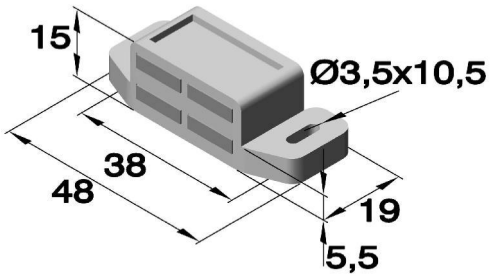
Magnetic catches



Article no.			Force in kg
Series	Execution	Material Plastic	
6470	.12	White	12

Art. no.: 6470.13

Magnetic catches



Article no.			Force in kg
Series	Execution	Material Plastic	
6470	.13	White	4

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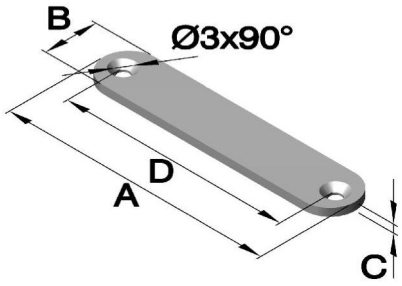
Magnetic catches

Art. no.: 6470.14

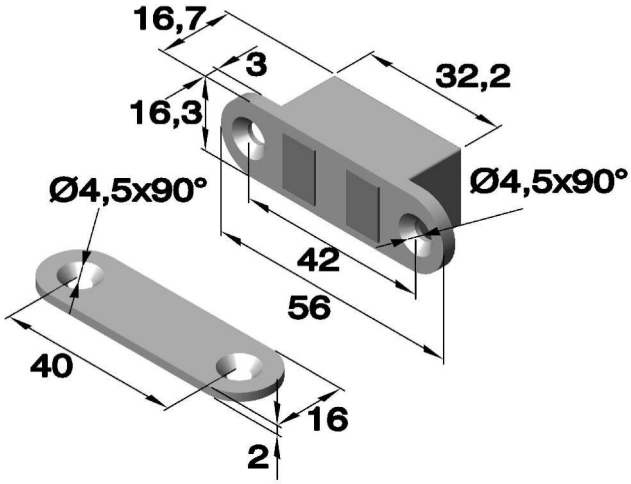
Striking plate for Art. no.: 6470.11
Art. no.: 6470.11
Art. no.: 6470.13



Article no.			Dimensions in mm			
Series	Execution	Material Steel	A	B	C	D
6470	.14.02	Zinc plated	41	14	1,5	31
6470	.14.04	Zinc plated	66	12	2	54

Art. no.: 6470.15

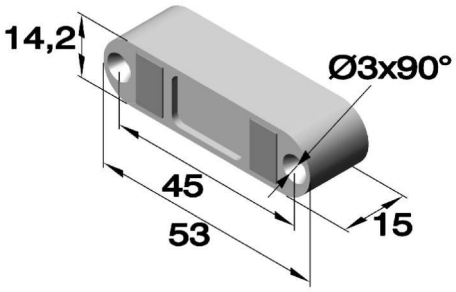
Magnetic catches with striking plate



Article no.			Force in kg	Temp. in C°
Series	Execution	Material Zamak		
6470	.15	Nickel-plated	4	up to 150°

Art. no.: 6470.16.01

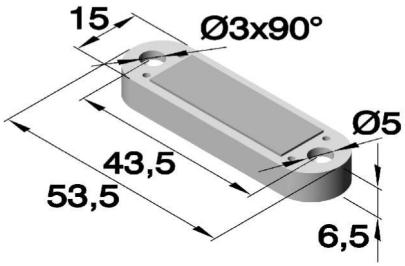
Magnetic catches



Article no.			Force in kg
Series	Execution	Material Plastic	
6470	.16.01	White	4

Art. no.: 6470.16.02

Striking plate for Art. no.: 6470.16.01



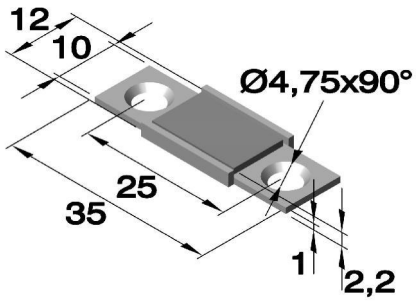
Article no.		
Series	Execution	Material Plastic
6470	.16.02	White

Magnetic catches

Art. no.: 6470.17

Magnetic catches

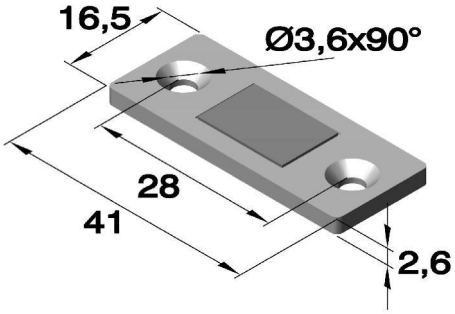
Article no.			Force in kg	Temp. in C°
Series	Execution	Material Steel		
6470	.17	Nickel-plated	2,7	up to 80°



Art. no.: 6470.28

Magnetic catches

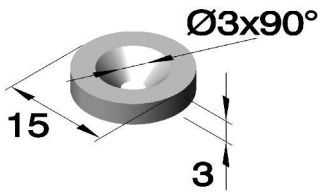
Article no.			Force	Temp.
Series	Execution	Material Steel	in kg	in C°
6470	.28.01	Nickel-plated	4	up to 80°



Art. no.: 6470.18

Striking plate for
Art. no.: 6470.19.04
Art. no.: 6470.20.07
Art. no.: 6470.21.70
Art. no.: 6470.22.70

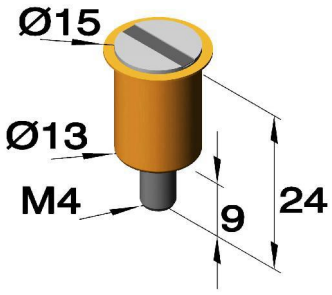
Article no.		
Series	Execution	Material Steel
6470	.18.04	Zinc plated



Art. no.: 6470.19

Retractable magnetic catches

Article no.			Sheet thickness in mm	Force in kg
Series	Execution	Material Steel		
6470	.19.04	Zinc plated	max 16	5



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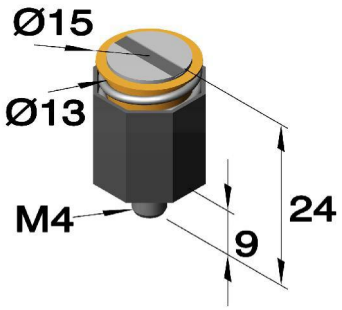
Magnetic catches

Art. no.: 6470.20

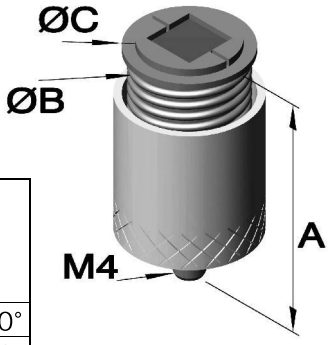
Retractable magnetic catches



Article no.				Sheet thickness in mm	Force in kg
Series	Execution	Material			
		Steel	Plastic		
6470	.20.07	Zinc plated	Black	max 3	4,2

Art. no.: 6470

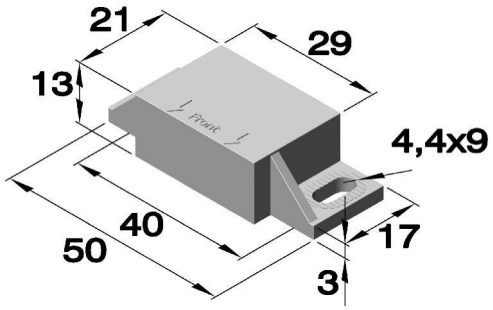
Retractable magnetic catches



Article no.				Dimensions in mm				Force in kg	Temp. in C°
Series	Execution	Material		A	B	C	Sheet thickness		
		Steel	Aluminium						
6470	.21.70	Zinc plated	Raw	26	13	15	max 3	4,2	up to 250°
6470	.22.70	Zinc plated	Raw	31	16	20	max 3	8	up to 250°

Art. no.: 6470

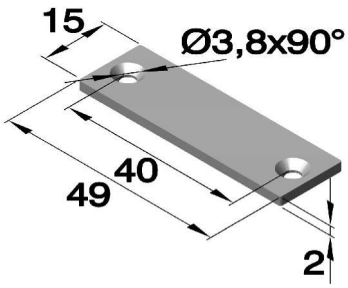
Magnetic catches



Article no.			Force in kg
Series	Execution	Material	
		Plastic	
6470	.25.01	White	3
6470	.27	Black	3

Art. no.: 6470.26

Striking plate for Art. no.: 6470.25.01
Art. no.: 6470.27



Article no.		
Series	Execution	Material
		Stainless steel
6470	.26	.30

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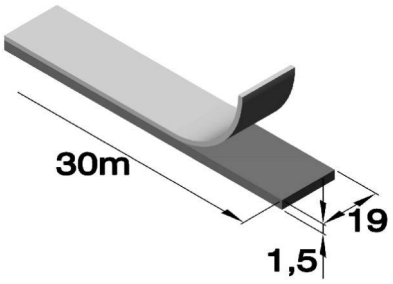
Magnetic catches

Art. no.: 6470.29

Adhesive magnetic tape

Article no.			Force in g/cm²	Temp. in C°
Series	Execution	Material flexible magnet		
6470	.29	adhesive	55	up to 100°

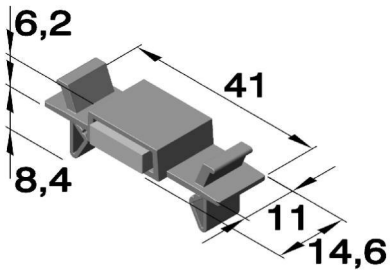


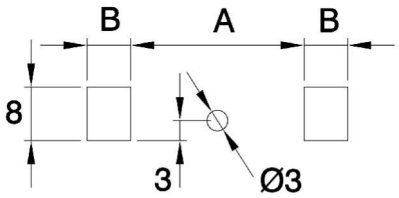
Art. no.: 6470

Magnetic catches

Article no.			Sheet thickness in mm	Force in kg
Series	Execution	Material Plastic		
6470	.30	Black	1,6 und 2,6	1,2
6470	.31	Black	1,6 und 2,6	3

Hole pattern		
Sheet thickness	A	B
1,6 mm	26	6,5
2,6mm	24,6	5,8

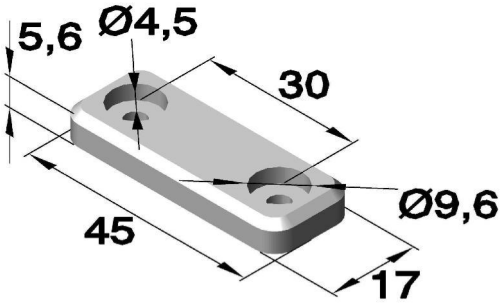




Art. no.: 6470.32

Magnetic catches

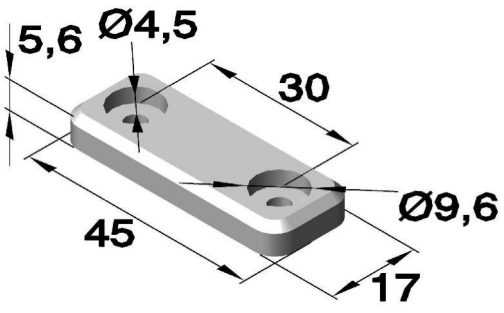
Article no.			Force in kg
Series	Execution	Material Plastic	
6470	.32.01	White	3



Art. no.: 6470.32

Striking plate for art. no.: 6470.32.01

Article no.		
Series	Execution	Material Plastic
6470	.32.02	White



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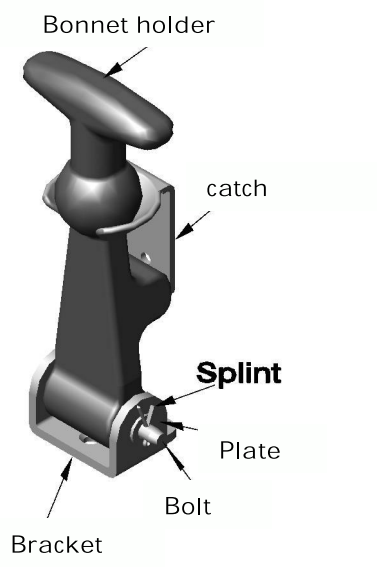
Hood catches

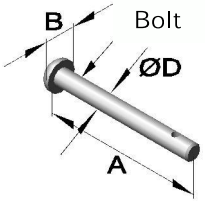
Art. no.: 7020 „hood catches big "

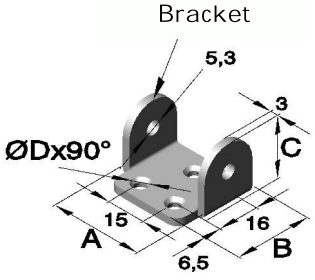
Complete with assembly kit
Materials and surface finish:
EPDM, black, 60+5 shore A
Zinc plated steel

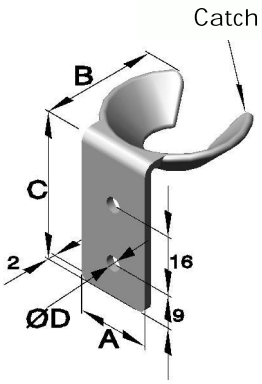


Delivery of individual parts is possible

Article no.		Description	Dimensions in mm			
Series	Material		A	B	C	Ø D
7001	EPDM, black	hood catches	60	26	124	5
7005	zinc plated steel	catch	20	29	42	4,2
7006	zinc plated steel	bracket	30	30	24	4,2
7007	zinc plated steel	bolts	47	9	-	5
7008	zinc plated steel	plate	-	-	-	-
7009	zinc plated steel	splint	-	-	-	-



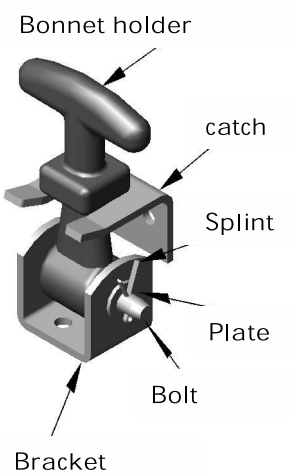




Hood catches

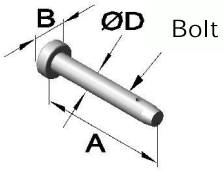
Art. no.: 7050 „hood catches small “

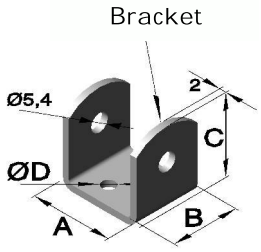
Complete with assembly kit
Materials and surface finish:
CR, black, 60+5 shore A
Zinc plated steel

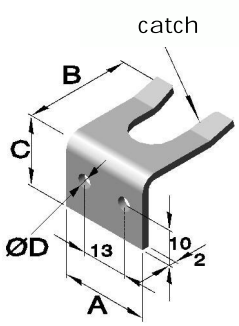


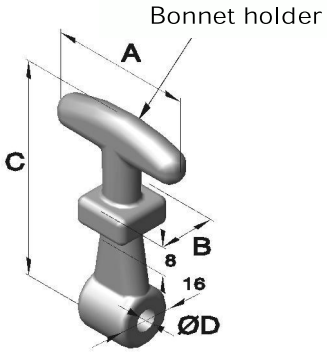
Delivery of individual parts is possible

Article no.		Description	Dimensions in mm			
Series	Material		A	B	C	Ø D
7030	CR, black	hood catches	40	16	64	5
7035	zinc plated steel	catch	24	20	24	4,2
7036	zinc plated steel	bracket	24	20	24	4,2
7037	zinc plated steel	bolts	35	9	-	5
7038.01	zinc plated steel	plate	-	-	-	-
7039.01	zinc plated steel	splint	-	-	-	-









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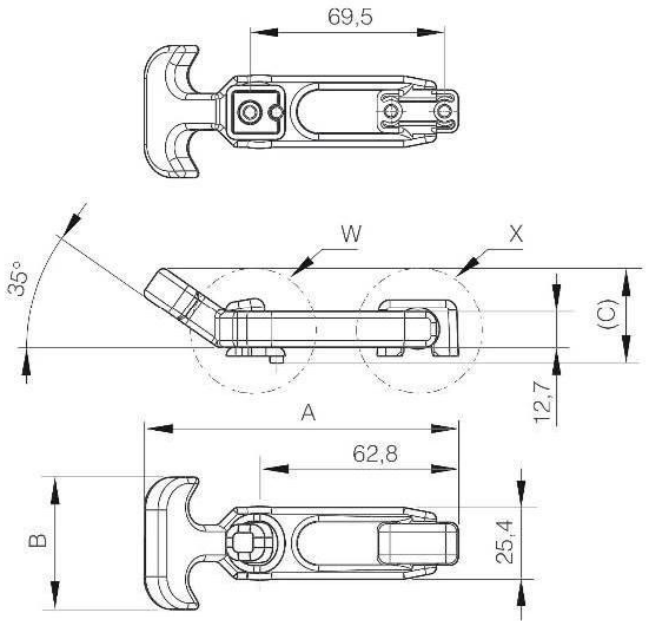
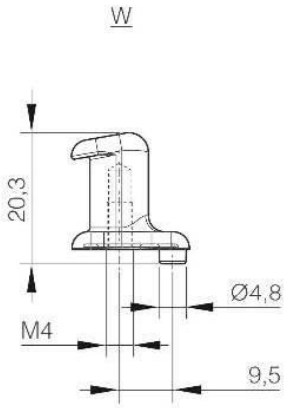
Spannverschlüsse
Mit Drahtbügel

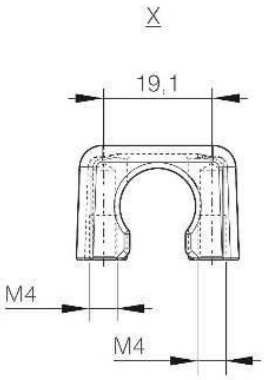
Art.Nr.:6388 „Flexible T-handle latch"

T-handle and holder made of rubber

Article no.		Material	Dimensions in mm		
Series	Execution	rubber	A	B	C
6388	.01	.97	112	47	34







Hood catches

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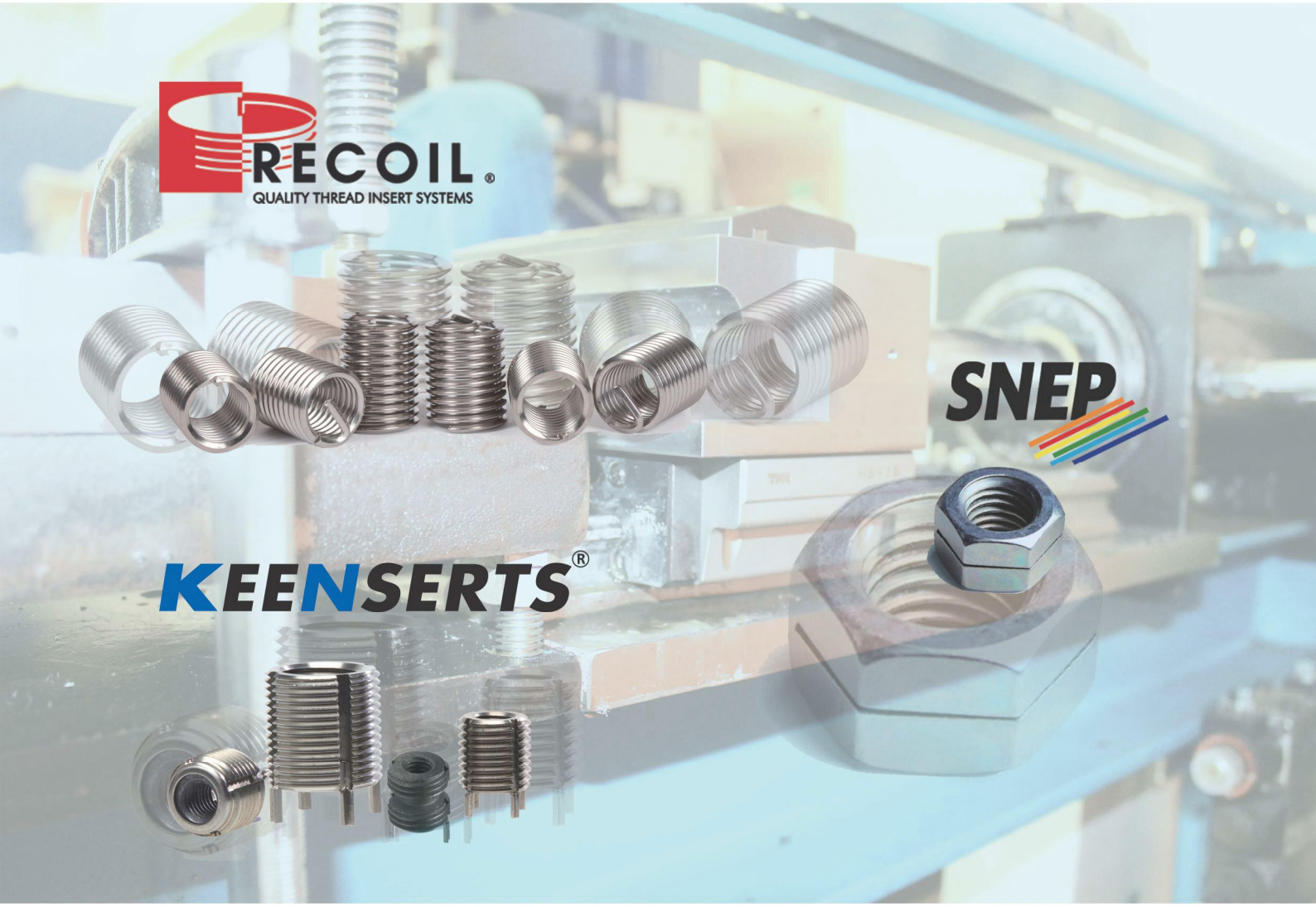

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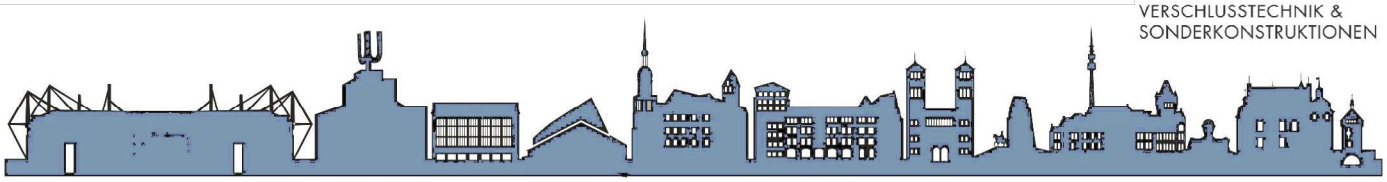

FOLDER 6 THREADED INSERTS

FOLDER 1 LATCHES

FOLDER 2 TENSION BANDS

FOLDER 3 HANDLES

FOLDER 4 HINGES

FOLDER 5 LOCKING DEVICES

FOLDER 6 THREADED INSERTS

RECOIL .....

KEENSERTS.....

SNEP-SELF LOCKING NUTS.....

FOLDER 7 SUNDRIES

GENERAL TERMS AND CONDITIONS.....

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Recoil

Threaded inserts and tools

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FOLDER 6 THREADED INSERTS

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Introduction

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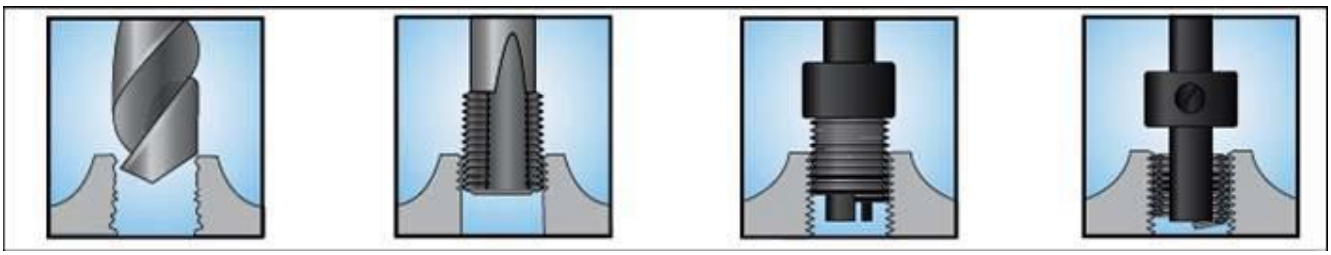
„Recoil"

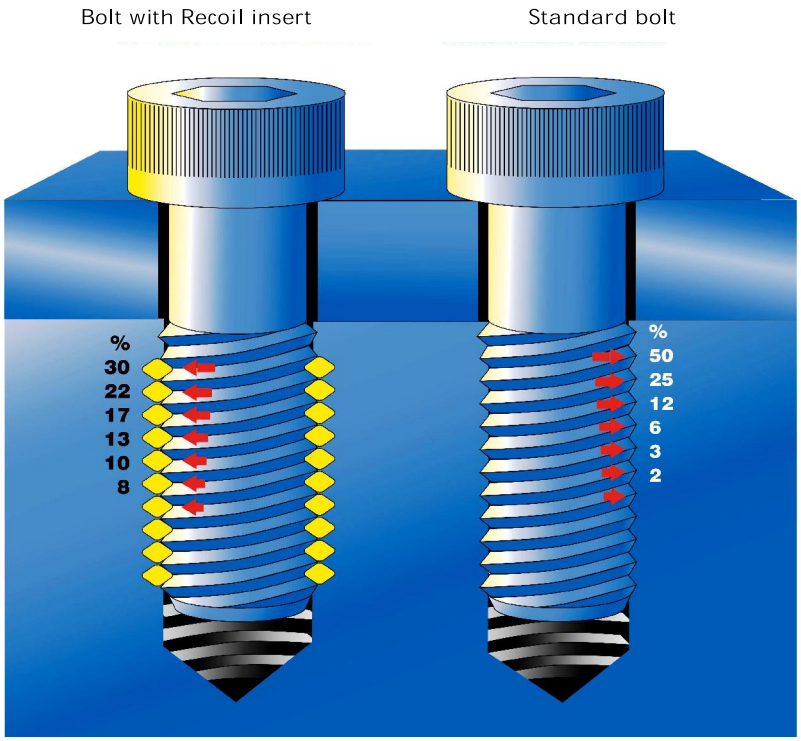
The Recoil system are used for repairing damaged screw threads or creating strong new threads.

- A superior thread with great holding power
- Most cost-effective method of repair
- Returns thread to the original size
- Generally stronger than the original female thread



Reinforcement of thread

This improved strength allows to select a fastener based on the minimum strength of the bolt, smaller diameters and shorter thread lengths confidently even in low strength materials such as magnesium or aluminium alloys.



high strength
stress spread more evenly

lower strength
stress concentrated on first threads

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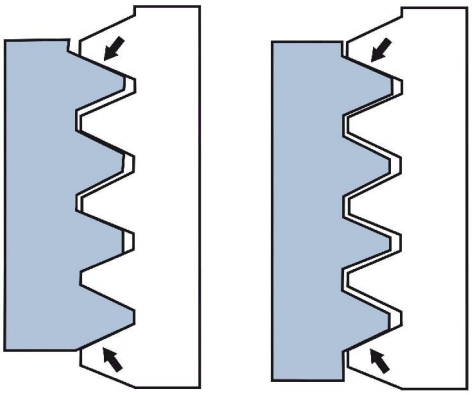
„Recoil"

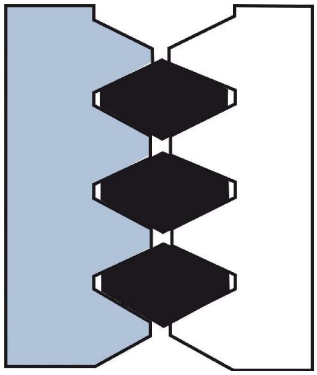
Pitch and Angle error compensation

Problems



Angle error Pitch error

Solution



Recoil compensation effect

Typical thread and angle errors may cause:

- Limited contact point
- Poor flank contact between bolt to parent thread
- Unequal distribution of bolt load over engaged threads
- Failure of threaded components when loaded

Recoil-inserts reduce thread pitch - and angle errors to provide:

- Greater fastener strength
- Greater contact area
- Equally distributed load over all tapped threads
- Reduced stress concentration thereby extending fatigue life

Types of inserts

Uninstalled, Recoil inserts are greater in diameter than the tapped hole. During the assembly operation the diameter of the leading coils is reduced thereby permitting entry of the insert into the tapped hole.
When the insert is installed at the correct depth, the coils expand and permanently retains the insert in place.

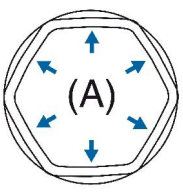
Recoil insert in „Semi installed" position

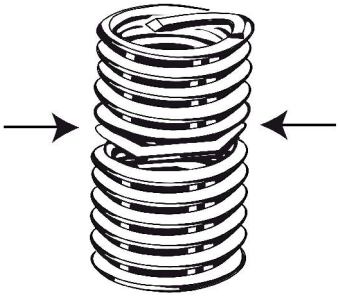
- „Free running" inserts

Provide a standard female thread.

- „„Locking" inserts

After the installation of the fastener result a clamp effect to the bolt.
For differentiation these are pigmented in red.





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„Locking "insert torque values

locking torque values for unified conform to NASM8846

Metric coarse series

Nominal thread size	Locking torque Max	Min
M2.2 x 0.45	0.14 Nm	0.02 Nm
M2.5 x 0.45	0.23 Nm	0.05 Nm
M3 x 0.5	0.45 Nm	0.1 Nm
M3.5 x 0.6	0.68 Nm	0.12 Nm
M4 x 0.7	0.9 Nm	0.15 Nm
M5 x 0.8	1.6 Nm	0.3 Nm
M6 x1	3 Nm	0.4 Nm
M7 x 1	4.5 Nm	0.6 Nm
M8 x 1.25	6 Nm	0.8 Nm
M10 x 1.5	10.5 Nm	1.4 Nm
M12 x 1.75	15.5 Nm	2.1Nm
M14 x 2	23.5 Nm	3 Nm
M16 x 2	31.5 Nm	4.2 Nm
M18 x 2.5	42 Nm	5.5 Nm
M20 x 2.5	54 Nm	7 Nm
M22 x 2.5	67.5 Nm	9 Nm
M24 x 3	80 Nm	10.5 Nm
M27 x 3	94 Nm	12 Nm
M30 x 3.5	108 Nm	14 Nm
M33 x 3.5	122 Nm	15.5 Nm
M36 x 4	136 Nm	17.5 Nm
M39 x 4	150 Nm	19.5 Nm

Metric fine series

Nominal thread size	Locking torque Max	Min
M8 x 1	6 Nm	0.8 Nm
M10 x 1	10.5 Nm	1.4 Nm
M10 x 1.25	10.5 Nm	1.4 Nm
M12 x 1.25	15.5 Nm	2.1 Nm
M12 x 1.5	15.5 Nm	2.1 Nm
M14 x 1.5	23.5 Nm	3 Nm
M16 x 1.5	31.5 Nm	4.2 Nm
M18 x 1.5	42 Nm	5.5 Nm
M20 x 1.5	54 Nm	7 Nm
M22 x 1.5	67.5 Nm	9 Nm
M18 x 2	42 Nm	5.5 Nm
M20 x 2	54 Nm	7 Nm
M22 x 2	67.5 Nm	9 Nm
M24 x 2	80 Nm	10.5 Nm
M27 x 2	94 Nm	12 Nm
M30 x 2	108 Nm	14 Nm
M33 x 2	122 Nm	15.5 Nm
M36 x 2	136 Nm	17.5 Nm
M39 x 2	150 Nm	19.5 Nm
M36 x 3	136 Nm	17.5 Nm
M39 x 3	150 Nm	19.5 Nm

Unified coarse (UNC)

Nominal thread size	Locking torque Max	Min
2 (.086") - 56	20 oz.in	3 oz.in
3 (.099") - 40	32 oz.in	7 oz.in
4 (112") - 40	48 ozin	10 oz.in
5 (.125") - 40	75 oz.in	13 oz.in
6 (.138") - 32	6 lb.in	1.0 lb.in
8 (.164") - 32	9 lb.in	1.5 lb.in
10 (.190") - 24	13 lb.in	2.0 lb.in
12 (.216) - 24	24 lb.in	3.0 lb.in
1/4 (.250") - 20	30 lb.in	4.5 lb.in
5/16 (.3125") -18	60 lb.in	7.5 lb.in
3/8 (.3750") - 18	80 lb.in	12.0 lb.in
7/16 (.4375") - 14	100 lb.in	16.5 lb.in
1/2 (.5000") - 13	150 lb.in	24.0 lb.in
9/16 (.5625") - 12	200 lb.in	30.0 lb.in
5/8 (.6250") - 11	300 lb.in	40.0 lb.in
3/4 (.7500") - 10	400 lb.in	60.0 lb.in
7/8 (.8750") - 9	600 lb.in	82.0 lb.in
1 (1.000") - 8	800 lb.in	110.0 lb.in
1 1/8 (1.1250") - 7	900 lb.in	137.0 lb.in
1 1/4 (1.1250") -7	1000 lb.in	165.0 lb.in
1 3/8 (1.3750") - 6	1150 lb.in	185.0 lb.in
1 1/2 (1.5000) - 6	1350 lb.in	210.0 lb.in

Unified fine (UNF)

Nominal thread size	Locking torque Max	Min
3 (.099) - 56	32 oz.in	7oz.in
4 (.112) - 48	48 oz.in	10 oz.in
6 (.138) - 40	6 lb.in	1.0 lb.in
8 (.164) - 36	9 lb.in	1.5 lb.in
10 (.190) - 32	13lb.in	2.0 lb.in
1/4 (.2500) - 28	30 lb.in	3.5 lb.in
5/16 (.3125) - 24	60 lb.in	6.5 lb.in
3/8 (.3750) - 24	80 lb.in	9.5 lb.in
7/16 (.4375) -20	100 lb.in	14.0 lb.in
1/2 (.5000) - 20	150 lb.in	18.0 lb.in
9/16 (.5625) - 18	200 lb.in	24.0 lb.in
5/8 (.6250) - 18	300 lb.in	32.0 lb.in
3/4 (.7500) - 16	400 lb.in	50.0 lb.in
7/8 (.8750) - 14	600 lb.in	70.0 lb.in
1 (1.0000) - 12	800 lb.in	90.0 lb.in
1 1/8 (1.1250) - 12	900 lb.in	117.0 lb.in
1 1/4 (1.2500) - 12	1000 lb.in	143.0 lb.in
1 3/8 (1.3750) - 12	1150 lb.in	165.0 lb.in
1 1/2 (1.5000) -12	1350 lb.in	190.0 lb.in

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„Recoil"

Recoil wire thread insert finishes and coatings

Plating/ finish	Part number suffix	Applicable process specification
Silver plating	AG	QQS-365 or AMS2411 or EN2786
Cadmium plating	C	QQP-416 or DEF STD 03-19
Dry film lubricant	D	MIL-L-8937 or MIL-L-46010
Red dye	Not applicable	Applied to all Recoil locking inserts for identification where called for by specification

Material Type	Max. temperature Peak	Max. temperature continuous	Typical applications	Coatings (see section on lubricants)
Stainless1.4301	425°C	315°C	Most general applications in all materials	Non-finish Dry film lubrcant
Stainless1.4571	425°C	315°C	Improved corrosion resistance salt water applications	Silver Cadmium
Phosphor bronze	300°C	235°C	Copper parts Non magnetic/ low permeability applications	Cadmium Silver
Inconel x 750	650°C	550°C	Aerospace/ turbines/ corrosive atmospheres/ high tempera-ture use	Silver Copper
Nimonic alloy 90	650°C	550°C	Aerospace/ turbine applications	Silver

Recoil insert part number example

O5082XAG

First digit=product group
0=inserts bulk-free running
1=inserts bulk-self locking
2=inserts packing (free running only)

Second digit=thread type
0=BSF, BA
1=BSP
2=BSW
3=UNC
4=UNF, UNEF, UNS, ETC.
5=METRIC Coarse
6=NPT, BSC, 8UN
7=Metric Medium
8=Metric Fine&Spark-Plug
9=Tang break tool

Fifth digit=length
length in 1/2 diameters
2=1D
3=1,5D
4=2D
5=2,5D
6=3D

Special suffixes
AG=silver plated
C=cadmium plated
D=dry film lubrication
LH=left hand
PB=phosphor bronze
SF=strip feed
X=inconel X750
Y=316 stainless steel

Dritte und vierte Stelle :

Third and fourth digit=thread diameter
0=size in 1/16 (08=1/2)
1= size in 1/16 (08=1/2)
2= size in 1/16 (08=1/2)
3= size in 1/16 (08=1/2)
4= size in 1/16 (08=1/2)
5=size in 1mm (08=8mm)
6= size in 1/16 (08=1/2)
7= size in 1mm (08=8mm)
8= size in 1mm (08=8mm)

YAG=M8-1,25x1D 316SS, silver plated insert

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Materials

304 Stainless (Standard)

Most general applications in all materials. Manufactured to AS7245.

Inconel (X)

Inconel X-750 is an alloy material with excellent high heat resistance and strength characteristics. Used in demanding applications like gas turbines and auto lambda sensors repairs, these inserts can withstand temperatures of 1020 °F and can be certified to GE Power Generation standards. Inconel X-625 material possesses very high corrosion resistance is used in sub-sea platforms and other critical salt water and marine applications.

1.4571 Stainless steel

Often ised in highly corrosive application, Recoil 316 Stainless steel inserts provide a high degree of reliable corrosion resistance. In freshwater, saltwater, even chlorine enviroments, the inserts are designed to deliver years of failure-proof threadholding performance.

Phosphor Bronze (P)

Designed for electrical applications, Recoil Phosphor Bronze inserts provide no outside interference of signals. This characteristic ensures their successful use in electrical bonding joints and related operations. The advanced inserts have been successfully employed in the manufacturing of a wide range of sensitive electrical equipment including circuit boards, control boxes, and medical instrumentation and equipment.

Nitronic 60 Einsätze (N)

Designed for applications where galling can be a problem, Recoil Nitronic 60 inserts wear-resistant, anti-galling characteristics eliminate the need for additional lubrication. Based othe reduction in friction they provide, these inserts deliver more consistent clamping torque. In addition, Nitronic 60 inserts are suitable for use with stainless steel screws.

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Finishes and coatings

Silver plating (AG)

Primarily used to reduce the effects of galling (seizure) of screw threads in the high temperature service applications. Silver plating is the most commoly used coating for aero-engine fasteners providing an even degree of lubrications up to a maximum service temperature of about 650°C (1200°F). the plated silver is electroytically deposited in typical thickness up to 6.3 µm (0.00025). silver plated wire thread inserts may be installed into various housing materials including magnesium alloys, aluminium alloys, corrosion and heat resistant materials, etc.

Caution must be emphasized where inserts are to be installed into titanium alloy components which may exceed a service temperature of 300°C (570°F)silver plated inserts are not recommended with titanium housings as stress corrosion, resulting from the combination of silver with titanium may occur in the housing material. As DTD 939.

Tin plating (SN)

As per ISO 2093, used for moderate condition typically in automotive applications.

Red dye coating

Recoil screw-locking insertsare, generally color coded with a red dye coating for identification purposes only. This organic resin based ddoes not affect the installation or function oft he inserts and normally does not need tob e removed. However, if in extreme conditions of (such as precision instrument assembly in clean room conditions) removal oft he dye may be desired. The red dye may be removed by soaking the inserts a denatured alcohol solution prior to use. To prevent galling or seizing when using an unplated or corrosion resistant screw/bolt a screw-locking insert, we reccomend the use of an anti-seize compound on the bolt threads.

Dry film lubrications (D)

Used for mildly corosive or high temperature applications, dry film lubricants comprise suspensions of small particles of solid lubricants such as molybdenum disulphide (MoS2) or PTFE, in organic or inorganic binders. They are applied as a thin film (5µm- 20µm) to grease-free metal surfaces. Through careful selection of appropriate additives and solvents, specific lubricants may be formulated to suit most indutrial applications to service temperatures around 315°C (600°F). Special high temperature lubricant coatings are available for use up to 425°C (800°F). Recoil inserts may beb e coated with dry film lubricant in either the non-finished (passivated) condition or after cadium plating treatment for maximum corrosion protection. As per AS5272.

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Finishes and coatings

Cadmium plating (C)

In mildly corrosive or marine enviroments, cadmium plating ist he preferred treatment for providing protection against pitting oft he insert/ bolt materials and to minimize the risk of thread seizure. Plating thickness may vary depending on particular applications, between 2µm -5µm (0.0001- 0.0002). Following cadmium plating, either a bronze or olive chromate finish will be used to provide uniformity in the overall finish.
It should be noted that cadmium plated parts must not:

- Be subjected to temperatures exceeding 235°C (455°F)
- Come into contact with fuel or hot oil
- Come into contact with food or drinking water
- Be used with titanium components either directly or indirectly as, at elevated temperatures, eand subsequent component failure may occur.

Warning: Cadmium is an highly toxic compound. Because of ist poison nature extreme care must be taken when handling.

Zinc-Nickel coating

Zinc-Nickel electroplating is an alloy coating and is an enviromentally safe alternative to cadmium electroplating. Zinc-Nickel demonstrates equivalent, or better, corrosion properties when compared to cadmium and is normally applied for corrosion purposes and functions as a „sacrificial coating", corroding before the base material. Zinc-Nickel is an efficient economincal coating, with minimal enviromental impact and is typically applied at 2.5µm thickness on wire thread inserts.

Salt spray corrosion tests are carried out (at least 1000 hours until red corrosion). Compliant and has been applied to meet the requirements of AMS 2417.

Blue and Green dye coating

This organic resin based dye does not affect the installation or function oft he inserts and normally does not need to be removed. However, if in extreme conditions of cleanliness (such as precision instrument assembly in clean room conditions) removal the dye may be desired. The red dye ma be removed by soaking the inserts in a denatured alcohol solution prior to use. To prevent galling or seizing when using an unplated or corrosion resistant screw/ bolt in a screw-locking insert, we recommendthe use of an anti-seize compound on the bolt threads.

Note: Recoil inserts Green or Blue for identification purposes.

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„Recoil"

Spark plugs

Wire thread inserts
Taps content:
- Pre-cutters, intermediate and finishing cutters

Thread inside- Ø	Art. no.	Lengths in Inch	Drill- Ø in mm	Outside- Ø in mm	Refill packages	
					Art. no.	UNIT
M10 -1,0	08108	0,339	-	-	28108	10
	08109	1/2	-	-	28109	10
M12 -1,25	08122	1/2	-	-	28122	10
	08123	3/4	-	-	28123	10
M14 -1,25	08148	3/8	14,25	15,62	28148	10
	08141	0,472	14,25	15,62	-	-
	08147	7/16	14,25	15,62	28147	10
	08149	1/2	14,25	15,62	28149	10
	08140	3/4	14,25	15,62	28140	10
M18 -1,5	08189	1/2	18,50	19,95	28189	5

Thread repair (Spark plugs – Kits)

„Metric"

Content:

- HSS special thread drill with guide nose
- Italiation tool
- Tang Break Tool
- Thread inserts
- Instruction

Thread inside- Ø	Art. no.	Inserts per kit
M10 -1,0	38108-2	10
M12 -1,0	38120-1	10
M12 -1,25	38120-2	10
M14 -1,25*	38140	10
M14 -1,25	38147	10
	38148-2	5
	38148	6
M18 -1,5	38188	5
	38188-1	6

Spark plug repair kits include Thread Drill with guide nose and pre-drilling is unnecessary. This makes a exact guidance guaranteed.

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„Recoil"

Special sizes

Wire thread inserts
Taps content:
- Pre-cutters, intermediate and finishing cutters

Thread inside- Ø	Art. no.		Lengths		Drill Ø in mm	Outside - Ø in mm	Thread Drill Art.Nr.		Refill packages	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art. no.	UNIT
1/4 -24	04042-24		1D	-	-	-	44044-24 44045-24 44046-24	-	-	-
	04043-24		1,5 D	-					24043-32	10
1/4 -32	04042-32	-	1D	-	13,6	-	44044-32 44045-32 44046-32	-	-	-
	04043-32		1,5 D	-					24043-32	10
1" -20	04161-20-.325	-	-	-	-	-	44165-16	-	-	-
HARLEY 7/16 -16	04073-16	-	-	-	-	-	44074-16 44075-16 44076-16	-	24073-16	10
CUMMINS 11/16 -16	04110-16-1.25	-	-	-	-	-	44114-16 44115-16 44116-16	-	-	-
CARBY 7/8 -20	04140-20-.330	-	-	-	-	-	44144-20 44145-20 44146-20	-	-	-

Thread repair Kits

„inch"- (Special sizes)

Thread inside- Ø „inch"	Art. no.	Inserts per kit
„UNEF"-1/4 -32	34048-32	10
„HARLEY"-1/4 -24	34048-24	10
„HARLEY"-7/16 -16	34078-16	10
„CARBURETTOR"-7/8 -20	34140-20	10
„CARBURETTOR"-1 -20	34160-20	10
„CUMMINS- HEAD BOLT"11/16 -11	34110-16	10

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Bicycle Pedal Crank Repair Kit „Left and right“

Content:

- 1x left special thread drill with guide nose
- 1x right special thread drill with guide nose
- 2x inserts (5 left/ 5 right)
- Italiation tool
- Instruction

Thread-type	Art. no.	Inserts per kit	Refill Package	
			Art. no.	UNIT
UNEF	34096-20	5 9/16-20x 1/2 (12,7mm) long left inserts	24090-20LH	5
		5 9/16-20x 1/2 (12,7mm) long right inserts	24090-20	5

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	Hand Thread Drill			
	Taper	Intermediate	Bottoming	Pilot-Nose
Article end digit	4	5	6	7
Application				
	•HSS Thread Drill •Suitable for manual or mechanical use. •For use in medium tensile materials. •Has a lead of eight threads •no size reduction.	•HSS Thread Drill • Suitable for manual or mechanical use. •For use in medium tensile materials. •Has a lead of four threads •no size reduction. •Suitable for through and blind holes	•HSS Thread Drill •Suitable for manual or mechanical use. •Zwei-Gang Anschnitt •Normally used after the pre-cutter and mid-cutter. •For use in medium tensile materials.	• HSS Thread Drill • Suitable for manual use. • For use in medium tensile materials. • Repair of spark plug threads.

	Machine thread Drill		
	Spiral point (Gun Nose)	Spiral flute	Thredflo “Roll thread” taps
Article end digit	8	9	0
Application			
	• HSSE Thread Drill • Suitable for tapping through holes.	•HSSE Thread Drill • For all blind hole applications, especially for soft materials such as copper, magnesium and aluminium	• HSS Thread Drill • Suitable for through and blind holes. • For materials with higher elasticity, e.g. materials with a low silicon content, aluminium and some stainless steels

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„Recoil"

Metrice standard thread

Drahtgewindeeinsätze „Freewheeling and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill-Ø in mm	Outside Ø in mm	Thread Drill Art. no.		Refill package (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art.no.	UNIT
M2 x 0,4	05022	15022	1D	2,0	2,10	-	45024 45025 45026	45028 45029	-	-
	05023	15023	1,5D	3,0					25023	10
	05024	15024	2D	4,0					-	-
	05025	15025	2,5D	5,0					-	-
	05026	15026	3D	6,0					-	-
M2.2 x 0,45	05012	15012	1D	2,2	2,30	-	45014 45015 45016	45018 45019	-	-
	05013	15013	1,5D	3,3					25013	10
	05014	15014	2D	4,4					-	-
	05015	15015	2,5D	5,5					-	-
	05016	15016	3D	6,6					-	-
M2.5 x 0,45	05252	15252	1D	2,5	2,60	3,08	45254 45255 45256	45258 45259	-	-
	05253	15253	1,5D	3,8					25253	10
	05254	15254	2D	5,0					-	-
	05255	15255	2,5D	6,3					-	-
	05256	15256	3D	7,5					-	-
M3 x 0,5	05032	15032	1D	3,0	3,10	3,65	45034 45035 45036	45038 45039	25032	10
	05033	15033	1,5D	4,5					25033	10
	05034	15034	2D	6,0					25034	10
	05035	15035	2,5D	7,5					-	-
	05036	15036	3D	9,0					-	-
M3.5 x 0,6	05352	15352	1D	3,5	3,60	4,28	45354 45355 45356	45358 45359	-	-
	05353	15353	1,5D	5,3					-	-
	05354	15354	2D	7,0					-	-
	05355	15355	2,5D	8,8					-	-
	05356	15356	3D	10,5					-	-
M4 x 0,7	05042	15042	1D	4,0	4,10	4,91	45044 45045 45046	45048 45049	25042	10
	05043	15043	1,5D	6,0					25043	10
	05044	15044	2D	8,0					25044	10
	05045	15045	2,5D	10,0					-	-
	05046	15046	3D	12,0					-	-
M5 x 0,8	05052	15052	1D	5,0	5,20	6,04	45054 45055 45056	45058 45059	25052	10
	05053	15053	1,5D	7,5					25053	10
	05054	15054	2D	10,0					25054	10
	05055	15055	2,5D	12,5					-	-
	05056	15056	3D	15,0					-	-
M6 x 1,0	05062	15062	1D	6,0	6,20	7,30	45064 45065 45066	45068 45069	25062	10
	05063	15063	1,5D	9,0					25063	10
	05064	15064	2D	12,0					25064	10
	05065	15065	2,5D	15,0					25065	10
	05066	15066	3D	18,0					-	-
M7 x 1,0	05072	15072	1D	7,0	7,20	8,30	45074 45075 45076	-	25072	10
	05073	15073	1,5D	10,5					25073	10
	05074	15074	2D	14,0					25074	10
	05075	15075	2,5D	17,5					-	-
	05076	15076	3D	21,0					-	-

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Metrice standard thread

Wire thread inserts „Free-running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside - Ø	Art. no.		Lengths		Drill-Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free-running)	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art. no.	UNIT
M8 x 1,25	05082	15082	1D	8,0	8,20	-	45084 45085 45086	45088 45089	25082	10
	05083	15083	1,5D	12,0					25083	10
	05084	15084	2D	16,0					25084	10
	05085	15085	2,5D	20,0					25085	10
	05086	15086	3D	24,0					-	-
M9 x 1.25	05092	-	1D	9,0	9,30	10,62	45094 45095 45096	-	-	-
	05093	-	1,5D	13,5					25093	10
	05094	-	2D	18,0					-	-
	05095	-	2,5D	22,5					-	-
	05096	-	3D	27,0					-	-
M10 x 1.5	05102	15102	1D	10,0	10,30	11,95	45104 45105 45106	45108 45109	25102	10
	05103	15103	1,5D	15,0					25103	10
	05104	15104	2D	20,0					25105	10
	05105	15105	2,5D	25,0					-	-
	05106	15106	3D	30,0					-	-
M11 x 1.5	05112	-	1D	11,0	11,30	12,95	45114 45115 45116	-	25112	10
	05113	-	1,5D	16,5					25113	10
	05114	-	2D	22,0					-	-
	05115	-	2,5D	27,5					-	-
	05116	-	3D	33,0					-	-
M12 x 1.75	05122	15122	1D	12,0	12,40	14,27	45124 45125 45126	45128 45129	25122	10
	05123	15123	1,5D	18,0					25123	10
	05124	15124	2D	24,0					25124	10
	05125	15125	2,5D	30,0					-	-
	05126	15126	3D	36,0					-	-
M14 x 2,0	05142	15142	1D	14,0	14,40	16,60	45144 45145 45146	45148 45149	25142	5
	05143	15143	1,5D	21,0					25143	5
	05144	15144	2D	28,0					25144	5
	05145	15145	2,5D	35,0					-	-
	05146	15146	3D	42,0					-	-
M15 x 2,0	05152	-	1D	15,0	15,50	17,60	45154 45155 45156	-	-	-
	05153	-	1,5D	22,5					25153	5
	05154	-	2D	30,0					-	-
	05155	-	2,5D	37,5					-	-
	05156	-	3D	45,0					-	-
M16 x 2,0	05162	15162	1D	16,0	16,50	18,60	45164 45165 45166	45168 45169	25163	5
	05163	15163	1,5D	24,0					25164	5
	05164	15164	2D	32,0					25165	5
	05165	15165	2,5D	40,0					-	-
	05166	15166	3D	48,0					-	-
M18 x 2.5	05182	15182	1D	18,0	18,50	21,25	45184 45185 45186	45188 45189	25182	5
	05183	15183	1,5D	27,0					25183	5
	05184	15184	2D	36,0					-	-
	05185	15185	2,5D	45,0					-	-
	05186	15186	3D	54,0					-	-

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Metrice standard thread

Wire thread inserts „Free-running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill-Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free-running)	
	Free running	Self-locking	D	mm			3 Levels	Machine -Drill	Art. no	UNIT
M20 x 2.5	05202	15202	1D	20,0	20,50	23,25	45204 45205 45206	45208 45209	-	-
	05203	15203	1,5D	30,0					25203	5
	05204	15204	2D	40,0					-	-
	05205	15205	2,5D	50,0					-	-
	05206	15206	3D	60,0					-	-
M22 x 2.5	05222	15222	1D	22,0	22,50	25,25	45224 45225 45226	-	-	-
	05223	15223	1,5D	33,0					25223	3
	05224	15224	2D	44,0					-	-
	05225	15225	2,5D	55,0					-	-
	05226	15226	3D	66,0					-	-
M24 x 3,0	05242	15242	1D	24,0	24,80	27,90	45244 45245 45246	45248 45249	-	-
	05243	15243	1,5D	36,0					25243	3
	05244	15244	2D	48,0					-	-
	05245	15245	2,5D	60,0					-	-
	05246	15246	3D	72,0					-	-
M27 x 3,0	05272	15272	1D	27,0	27,50	30,90	45274 45275 45276	-	-	-
	05273	15273	1,5D	40,5					25273	1
	05274	15274	2D	54,0					-	-
	05275	15275	2,5D	67,5					-	-
	02756	15276	3D	81,0					-	-
M30 x 3.5	05302	15302	1D	30,0	30,50	34,55	45304 45305 45306	45308 45309	-	-
	05303	15303	1,5D	45,0					25303	1
	05304	15304	2D	60,0					-	-
	05305	15305	2,5D	75,0					-	-
	05306	15306	3D	90,0					-	-
M30 x 3,0	05202-3	15302-3	1D	30,0	-	-	45304-3 45305-3 45306-3	-	-	-
	05203-3	15303-3	1,5D	45,0					25303-3	1
	05204-3	15304-3	2D	60,0					-	-
	05205-3	15305-3	2,5D	75,0					-	-
	05206-3	15306-3	3D	90,0					-	-
M36 x 4,0	05362	15362	1D	36,0	36,50	41,20	45364 45365 45366	45369	-	-
	05363	15363	1,5D	54,0					25363	1
	05364	15364	2D	72,0					-	-
	05365	15365	2,5D	90,0					-	-
	05366	15366	3D	108,0					-	-
M39 x 4,0	05392	15392	1D	39,0	39,50	44,20	45394 45395 45396	-	-	-
	05393	15393	1,5D	58,5					25393	1
	05394	15394	2D	78,0					-	-
	05395	-	2,5D	97,5					-	-
	05396	-	3D	117,0					-	-
M42 x 4,0	05422	-	1D	42,0	43,00	47,85	45424 45425 45426	-	25423-4	1
	05423	-	1,5D	63,0					-	-
	05424	-	2D	84,0					-	-
M42 x 4.5	05422-4	-	1D	42,0	-	-	45424-4 45425-4 45426-4	-	25423	1
	05423-4	-	1,5D	63,0					-	-
	05424-4	-	2D	84,0					-	-

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Metrice fine thread

Wire thread inserts „Free running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill-Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free-running)	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art. no.	UNIT
M8 x 1,0	07082	17082	1D	8,0	8,30	9,30	47084 47085 47086	47088 47089	27082	10
	07083	17083	1,5D	12,0					27083	10
	07084	17084	2D	16,0					27084	10
	07085	17085	2,5D	20,0					-	-
	07086	17086	3D	24,0					-	-
M9 x 1,0	07092	-	1D	9,0	9,30	10,30	47094 47095 47096	-	-	-
	07093	-	1,5D	13,5					27093	10
	07094	-	2D	18,0					-	-
	07095	-	2,5D	22,5					-	-
	07096	-	3D	27,0					-	-
M10 x 1,25	07102	17102	1D	10,0	10,30 10,40	11,62	47104 47105 47106	47108 47109	27102	10
	07103	17103	1,5D	15,0					27103	10
	07104	17104	2D	20,0					27104	10
	07105	17105	2,5D	25,0					-	-
	07106	17106	3D	30,0					27106	10
M10 x 1,0	08102	-	1D	10,0	10,30	11,30	48104 48105 48106	48108 48109	28102	10
	08103	-	1,5D	15,0					28103	10
	08104	-	2D	20,0					28104	10
	08105	-	2,5D	25,0					-	-
	08106	-	3D	30,0					-	-
M11 x 1.25	07112	-	1D	11,0	-	-	47114 47115 47116	-	-	-
	07113	-	1,5D	16,5					27113	10
	07114	-	2D	22,0					-	-
	07115	-	2,5D	27,5					-	-
	07116	-	3D	33,0					-	-
M11 x 1,0	08112	-	1D	11,0	11,30	12,30	48114 48115 48116	-	-	-
	08113	-	1,5D	16,5					28113	10
	08114	-	2D	22,0					-	-
	08115	-	2,5D	27,5					-	-
	08116	-	3D	33,0					-	-
M12 x 1.5	07122	17122	1D	12,0	12,50	13,95	47124 47125 47126	47128 47129	27122	10
	07123	17123	1,5D	18,0					27123	10
	07124	17124	2D	24,0					27124	10
	07125	17125	2,5D	30,0					-	-
	07126	17126	3D	36,0					-	-
M12 x 1.25	08122	-	1D	12,0	12,30	13,62	48124 48125 48126	48128 48129	-	-
	08123	-	1,5D	18,0					28123	10
	08124	-	2D	24,0					28124	10
	08125	-	2,5D	30,0					-	-
	08126	-	3D	36,0					-	-
M14 x 1.5	07142	17142	1D	14,0	14,30 14,50	15,95	47144 47145 47146	47148 47149	-	-
	07143	17143	1,5D	21,0					27143	5
	07144	17144	2D	28,0					27144	5
	07145	17145	2,5D	35,0					-	-
	07146	17146	3D	42,0					-	-

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Metrice fine thread

Wire thread inserts „Free running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill-Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free running)	
	Free running	Self-locking	D	mm			3 Levels	Machine -Drill	Art. no.	UNIT
M15 x 1.5	07152	-	1D	15,0	15,50	16,95	47154 47155 47156	-	-	-
	07153	-	1,5D	22,5					27153	5
	07154	-	2D	30,0					-	-
	07155	-	2,5D	37,5					-	-
	07156	-	3D	45,0					-	-
M16 x 1,5	07162	17162	1D	16,0	16,50	17,95	47164 47165 47166	47168 47169	27162	5
	07163	17163	1,5D	24,0					27163	5
	07164	17164	2D	32,0					-	-
	07165	17165	2,5D	40,0					27165	5
	07166	17166	3D	48,0					-	-
M18 x 2,0	07182	17182	1D	18,0	18,50	20,60	47184 47185 47186	47188 47189	-	-
	07183	17183	1,5D	27,0					-	-
	07184	17184	2D	36,0					27183	5
	07185	17185	2,5D	45,0					-	-
	07186	17186	3D	54,0					-	-
M18 x 1,5	08182	-	1D	18,0	18,50	19,95	48184 48185 48186	48188 48189	-	-
	08183	-	1,5D	27,0					28133	5
	08184	-	2D	36,0					-	-
	08185	-	2,5D	45,0					-	-
	08186	-	3D	54,0					-	-
M20 x 2,0	07202	17202	1D	20,0	20,50	22,60	47204 47205 47206	-	-	-
	07203	17203	1,5D	30,0					27203	5
	07204	17204	2D	40,0					-	-
	07205	17205	2,5D	50,0					-	-
	07206	17206	3D	60,0					-	-
M20 x 1,5	08202	-	1D	20,0	20,50	21,95	48204 48205 48206	-	-	-
	08203	-	1,5D	30,0					28203	5
	08204	-	2D	40,0					-	-
	08205	-	2,5D	50,0					-	-
	08206	-	3D	60,0					-	-
M22 x 2,0	07222	17222	1D	22,0	22,50	24,60	47224 47225 47226	-	-	-
	07223	17223	1,5D	33,0					27223	3
	07224	17224	2D	44,0					-	-
	07225	17225	2,5D	55,0					-	-
	07226	17226	3D	66,0					-	-
M22 x 1,5	08222	-	1D	22,0	22,50	23,95	48224 48225 48226	-	-	-
	08223	-	1,5D	33,0					28223	3
	08224	-	2D	44,0					-	-
	08225	-	2,5D	55,0					-	-
	08226	-	3D	66,0					-	-
M24 x 2,0	07242	17242	1D	24,0	24,50	26,60	47244 47245 47246	47248 47249	-	-
	07243	17243	1,5D	36,0					27273	3
	07244	17244	2D	48,0					-	-
	07245	17245	2,5D	60,0					-	-
	07246	17246	3D	72,0					-	-

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Metrice fine thread

Wire thread inserts „Free running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill-Ø	Outside-Ø	Thread Drill Art. No.		Refill package (free running)	
	Free running	Self-locking	D	mm	in mm	in mm	3 Levels	Machine-Drill	Art. no.	UNIT
M24 x 1,5	08242	-	1D	24,0	24,50	25,95	48244 48245 48246	48247	-	-
	08243	-	1,5D	36,0					28243	3
	08244	-	2D	48,0					-	-
	08245	-	2,5D	60,0					-	-
	08246	-	3D	72,0					-	-
M26 x 1,5	08262	-	1D	26,0	26,50	27,95	-	48267	-	-
	08263	-	1,5D	39,0					28263	1
	08264	-	2D	52,0					-	-
	08265	-	2,5D	65,0					-	-
	08266	-	3D	78,0					-	-
M27 x 2,0	07272	17272	1D	27,0	27,50	29,60	47274 47275 47276	-	-	-
	07273	17273	1,5D	40,5					27273	1
	07274	17274	2D	54,0					-	-
	07275	17275	2,5D	67,5					-	-
	07276	17276	3D	81,0					-	-
M30 x 2,0	07302	17302	1D	30,0	30,50	32,60	47304 47305 47306	-	-	-
	07303	17303	1,5D	45,0					27303	1
	07304	17304	2D	60,0					-	-
	07305	17305	2,5D	75,0					-	-
	07306	17306	3D	90,0					-	-
M30 x 1,5	08302	-	1D	30,0	30,50	31,95	48304 48305 48306	-	-	-
	08303	-	1,5D	45,0					28303	1
	08304	-	2D	60,0					-	-
	08305	-	2,5D	75,0					-	-
	08306	-	3D	90,0					-	-
M36 x 3,0	07362	17362	1D	36,0	37,00	39,90	47364 47365 47366	-	-	-
	07363	17363	1,5D	54,0					27363	1
	07364	17364	2D	72,0					-	-
	07365	17365	2,5D	90,0					-	-
	07366	17366	3D	108,0					-	-
M36 x 1,5	08362	-	1D	36,0	-	-	48364 48365 48366	-	-	-
	08363	-	1,5D	54,0					28363	1
	08364	-	2D	72,0					-	-
	08364	-	2,5D	90,0					-	-
	08366	-	3D	108,0					-	-
M39 x 3,0	07392	17392	1D	39,0	40,00	42,90	47394 47395 47396	-	-	-
	07393	17393	1,5D	58,5					27393	1
	07394	17394	2D	78,0					-	-
	07395	-	2,5D	97,5					-	-
	07396	-	3D	117,0					-	-
M39 x 2,0	08392	-	1D	39,0	39,50	41,60	48394 48395 48396	-	-	-
	08393	-	1,5D	58,5					28393	1
	08394	-	2D	78,0					-	-
	08395	-	2,5D	97,5					-	-
	08396	-	3D	117,0					-	-

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„Recoil"

Metrice fine thread

Wire thread inserts „Free-running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill-Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free running)	
	Free running	Self-locking	D	mm			3 Levels	Machine -Drill	Art. no.	UNIT
*M42 x 2,0	08422	-	1D	42,0	42,50	44,60	48424 48425 48426	-	-	-
	08423	-	1,5D	63,0					28423	1
	08424	-	2D	84,0					-	-
	-	-	-	-					-	-
	-	-	-	-					-	-
M42 x 3,0	07422	-	1D	42,0	43,00	45,90	47424 47425 47426	-	-	-
	07423	-	1,5D	63,0					27423	1
	07424	-	2D	84,0					-	-
	-	-	-	-					-	-
	-	-	-	-					-	-
	-	-	-	-					-	-

* on request

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American coarse thread (UNC)

Wire thread inserts „Free running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill-Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
2 -56	03522	13522	1D	2,0	2,3	2,84	43524 43525 43526	43528 43529	23522	10
	03523	13523	1,5D	3,0					23523	10
	03524	13524	2D	4,0					-	-
	03525	13525	2,5D	5,0					-	-
	03526	13526	3D	6,0					-	-
3 -48	03532	13532	1D	2,2	2,7	-	43534 43535 43536	43538 43539	-	-
	03533	13533	1,5D	3,3					23533	10
	03534	13534	2D	4,4					-	-
	03535	13535	2,5D	5,5					-	-
	03536	13536	3D	6,6					-	-
4 -40	03542	13542	1D	2,5	3,0	3,67	43544 43545 43546	43548 43549	-	-
	03543	13543	1,5D	3,8					23543	10
	03544	13544	2D	5,0					23544	10
	03545	13545	2,5D	6,3					-	-
	03546	13546	3D	7,5					-	-
5 -40	03552	13552	1D	3,0	3,4	4,00	43554 43555 43556	43558 43559	-	-
	03553	13553	1,5D	4,5					23553	10
	03554	13554	2D	6,0					-	-
	03555	13555	2,5D	7,5					-	-
	03556	13556	3D	9,0					-	-
6 -32	03562	13562	1D	3,5	3,7	4,54	43564 43565 43566	43568 43569	-	-
	03563	13563	1,5D	5,3					23563	10
	03564	13564	2D	7,0					-	-
	03565	13565	2,5D	8,8					-	-
	03566	13566	3D	10,5					-	-
8 -32	03582	13582	1D	4,0	4,4	5,20	43584 43585 43586	43588 43589	-	-
	03583	13583	1,5D	6,0					23583	10
	03584	13584	2D	8,0					-	-
	03585	13585	2,5D	10,0					-	-
	03586	13586	3D	12,0					-	-
10 -24	03602	13602	1D	5,0	5,0	6,20	43604 43605 43606	43608 43609	23602	10
	03603	13603	1,5D	7,5					23603	10
	03604	13604	2D	10,0					-	-
	03605	13605	2,5D	12,5					-	-
	03606	13606	3D	15,0					-	-
12 -24	03622	13622	1D	6,0	5,8	6,86	43624 43625 43626	43628 43629	-	-
	03623	13623	1,5D	9,0					23623	10
	03624	13624	2D	12,0					-	-
	03625	13625	2,5D	15,0					-	-
	03626	13626	3D	18,0					-	-
1/4 -20	03042	13042	1D	7,0	6,7	8,00	43044 43045 43046	43048 43049	23042	10
	03043	13043	1,5D	10,5					23043	10
	03044	13044	2D	14,0					23044	10
	03045	13045	2,5D	17,5					-	-
	03046	13046	3D	21,0					-	-

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American coarse thread (UNC)

Wire thread inserts „Free running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
5/16 -18	03052	13052	1D	8,0	8,3	9,77	43054 43055 43056	43058 43059	23052	10
	03053	13053	1,5D	12,0					23053	10
	03054	13054	2D	16,0					23054	10
	03055	13055	2,5D	20,0					-	-
	03056	13056	3D	24,0					-	-
3/8 -16	03062	13062	1D	10,0	9,9	11,59	43064 43065 43066	43068 43069	23062	10
	03063	13063	1,5D	15,0					23063	10
	03064	13064	2D	20,0					23064	10
	03065	13065	2,5D	25,0					-	-
	03066	13066	3D	30,0					-	-
7/16 -14	03072	13072	1D	11,0	11,5	13,47	43074 43075 43076	43078 43079	-	-
	03073	13073	1,5D	16,5					23073	10
	03074	13074	2D	22,0					23074	10
	03075	13075	2,5D	27,5					-	-
	03076	13076	3D	33,0					-	-
1/2 -13	03082	13082	1D	11,0	13,0	15,24	43084 43085 43086	43088 43089	23082	10
	03083	13083	1,5D	16,5					23083	10
	03084	13084	2D	22,0					23084	10
	03085	13085	2,5D	27,5					-	-
	03086	13086	3D	33,0					-	-
9/16 -12	03092	13092	1D	14,0	14,5	17,04	43094 43095 43096	43098 43099	-	-
	03093	13093	1,5D	21,0					23093	5
	03094	13094	2D	28,0					-	-
	03095	13095	2,5D	35,0					-	-
	03096	13096	3D	42,0					-	-
5/8 -11	03102	13102	1D	15,0	16,5	18,88	43104 43105 43106	43108 43109	23102	5
	03103	13103	1,5D	22,5					23103	5
	03104	13104	2D	30,0					-	-
	03105	13105	2,5D	37,5					-	-
	03106	13106	3D	45,0					-	-
11/16 -11	03102	13112	1D	16,0	-	-	43114 43115 43116	-	-	-
	03103	13113	1,5D	24,0					23113	5
	03104	13114	2D	32,0					-	-
	03105	13115	2,5D	40,0					-	-
	03106	13116	3D	48,0					-	-
3/4 -10	03122	13122	1D	18,0	19,80	22,35	43124 43125 43126	43128 43129	-	-
	03123	13123	1,5D	27,0					23123	5
	03124	13124	2D	36,0					-	-
	03125	13125	2,5D	45,0					-	-
	03126	13126	3D	54,0					-	-
7/8 -9	03142	13142	1D	22,0	23,0	25,89	43144 43145 43146	43148 43149	-	-
	03143	13143	1,5D	33,0					23143	3
	03144	13144	2D	44,0					-	-
	03145	13145	2,5D	55,0					-	-
	03146	13146	3D	66,0					-	-

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American coarse thread (UNC)

Wire thread inserts „Free-running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill package (free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
1" -8	03162	13162	1D	24,0	26,0	29,53	43164 43165 43166	43168 43169	-	-
	03163	13163	1,5D	36,0					23163	3
	03164	13164	2D	48,0					-	-
	03165	13165	2,5D	60,0					-	-
	03166	13166	3D	72,0					-	-
1 1/8 -7	03182	13182	1D	26,0	29,5	33,29	43184 43185 43186	-	-	-
	03183	13183	1,5D	39,0					23183	1
	03184	13184	2D	52,0					-	-
	03185	13185	2,5D	65,0					-	-
	03186	13186	3D	78,0					-	-
1 1/4 -7	03202	13202	1D	30,0	33,0	36,46	43204 43205 43206	-	-	-
	03203	13203	1,5D	45,0					23203	1
	03204	13204	2D	60,0					-	-
	03205	13205	2,5D	75,0					-	-
	03206	13206	3D	90,0					-	-
1 3/8 -6	03222	13222	1D	36,0	-	-	43224 43225 43226	-	-	-
	03223	13223	1,5D	54,0					23223	1
	03224	13224	2D	72,0					-	-
	03225	13225	2,5D	90,0					-	-
	03226	13226	3D	108,0					-	-
1 1/2 -6	03242	13242	1D	39,0	39,0	43,60	43244 43245 43246	-	-	-
	03243	13243	1,5D	58,5					23243	1
	03244	13244	2D	78,0					-	-
	03245	13245	2,5D	97,5					-	-
	03246	13246	3D	117,0					-	-

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„Recoil"

American fine thread (UNF)

Wire thread inserts „Free-running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
3 -56	04532	14532	1D	2,2	2,70	-	44534 44535 44536	43589*	-	-
	04533	14533	1,5D	3,3					24533	10
	04534	14534	2D	4,4					-	-
	04535	-	2,5D	5,5					-	-
	04536	-	3D	6,6					-	-
4 -48	04542	14542	1D	2,5	3,0	3,53	44544 44545 44546	44548 44549	-	-
	04543	14543	1,5D	3,8					24543	10
	04544	14544	2D	5,0					-	-
	04545	-	2,5D	6,3					-	-
	04546	-	3D	7,5					-	-
6 -40	04562	14562	1D	3,5	3,7	4,33	44564 44565 44566	44568 44569	-	-
	04563	14563	1,5D	5,3					24563	10
	04564	14564	2D	7,0					-	-
	04565	-	2,5D	8,8					-	-
	04566	-	3D	10,5					-	-
8 -36	04582	14582	1D	4,0	4,4	5,08	44584 44585 44586	44588 44589	-	-
	04583	14583	1,5D	6,0					24583	10
	04584	14584	2D	8,0					-	-
	04585	-	2,5D	10,0					-	-
	04586	-	3D	12,0					-	-
10 -32	04602	14602	1D	5,0	5,1	5,86	44604 44605 44606	44608 44609	-	-
	04603	14603	1,5D	7,5					24603	10
	04604	14604	2D	10,0					-	-
	04605	14605	2,5D	12,5					-	-
	04606	14606	3D	15,0					-	-
1/4 -28	04042	14042	1D	7,0	6,6	7,53	44044 44045 44046	44048 44049	-	-
	04043	14043	1,5D	10,5					24043	10
	04044	14044	2D	14,0					-	-
	04045	14045	2,5D	17,5					-	-
	04046	14046	3D	21,0					-	-
5/16 -24	04052	14052	1D	8,0	8,2	9,31	44054 44055 44056	44058 44059	24052	10
	04053	14053	1,5D	12,0					24053	10
	04054	14054	2D	16,0					24054	10
	04055	14055	2,5D	20,0					-	-
	04056	14056	3D	24,0					-	-
3/8 -24	04062	14062	1D	10,0	9,8	10,90	44064 44065 44066	44068 44069	-	-
	04063	14063	1,5D	15,0					24063	10
	04064	14064	2D	20,0					24064	10
	04065	14065	2,5D	25,0					-	-
	04066	14066	3D	30,0					-	-
7/16 -20	04072	14072	1D	11,0	11,5	12,76	44074 44075 44076	44078 44079	-	-
	04073	14073	1,5D	16,5					24073	10
	04074	14074	2D	22,0					24074	10
	04075	14075	2,5D	27,5					-	-
	04076	14076	3D	33,0					-	-

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American coarse thread (UNF)

Wire thread inserts „Free-running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
1/2 -20	04082	14082	1D	11,0	13,0	14,35	44084 44085 44086	44088 44089	24082	10
	04083	14083	1,5D	16,5					24083	10
	04084	14084	2D	22,0					24084	10
	04085	14085	2,5D	27,5					-	-
	04086	14086	3D	33,0					-	-
9/16 -18	04092	14092	1D	14,0	14,5	16,12	44094 44095 44096	44098 44099	-	-
	04093	14093	1,5D	21,0					24093	5
	04094	14094	2D	28,0					-	-
	04095	14095	2,5D	35,0					-	-
	04096	14096	3D	42,0					-	-
5/8 -18	04102	14102	1D	15,0	16,3	17,71	44104 44105 44106	44108 44109	-	-
	04103	14103	1,5D	22,5					24103	5
	04104	14104	2D	30,0					-	-
	04105	14105	2,5D	37,5					-	-
	04106	14106	3D	45,0					-	-
3/4 -16	04122	14122	1D	18,0	19,5	21,11	44124 44125 44126	44128 44129	-	-
	04123	14123	1,5D	27,0					24123	5
	04124	14124	2D	36,0					-	-
	04125	14125	2,5D	45,0					-	-
	04126	14126	3D	54,0					-	-
7/8 -14	04142	14142	1D	22,0	22,5	24,58	44144 44145 44146	44149*	-	-
	04143	14143	1,5D	33,0					24143	3
	04144	14144	2D	44,0					-	-
	04145	14145	2,5D	55,0					-	-
	04146	14146	3D	66,0					-	-
1" -12	04162	14162	1D	24,0	26,0	28,15	44164 44165 44166	44169*	-	-
	04163	14163	1,5D	36,0					24163	3
	04164	14164	2D	48,0					-	-
	04165	14165	2,5D	60,0					-	-
	04166	14166	3D	72,0					-	-
1 1/8 -12	04182	14182	1D	26,0	29,5	31,33	44184 44185 44186	-	-	-
	04183	14183	1,5D	39,0					24183	1
	04184	14184	2D	52,0					-	-
	04185	14185	2,5D	65,0					-	-
	04186	14186	3D	78,0					-	-
1 1/4 -12	04202	14202	1D	30,0	32,5	34,50	44204 44205 44206	-	-	-
	04203	14203	1,5D	45,0					24183	1
	04204	14204	2D	60,0					-	-
	04205	14205	2,5D	75,0					-	-
	04206	14206	3D	90,0					-	-

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American fine thread (UNF)

Wire thread inserts „Free-running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
1 3/8 -12	04222	14222	1D	36,0	36,0	37,68	44224 44225 44226	-	-	-
	04223	14223	1,5D	54,0					24223	1
	04224	14224	2D	72,0					-	-
	04225	14225	2,5D	90,0					-	-
	04226	14226	3D	108,0					-	-
1 1/2 - 12	04242	14242	1D	39,0	39,0	40,85	44244 44245 44246	-	-	-
	04243	14243	1,5D	58,5					24243	1
	04244	14244	2D	78,0					-	-
	04245	14245	2,5D	97,5					-	-
	04246	14246	3D	117,0					-	-

American coarse thread (NPT)

Wire thread inserts
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
1/8 -27	06023	-	1,5D	0,273	-	-	46024 46025 46026	-	26023	10
1/4 -18	06043	-	1,5D	0,394	-	-	46044 46045 46046	-	26043	10
3/8 -18	06063	-	1,5D	0,407	-	-	46064 46065 46066	-	26063	10
1/2 -14	06083	-	1,5D	0,534	-	-	46084 46085 46086	-	26083	5
3/4 -14	06123	-	1,5D	0,553	-	-	46124 46125 46126	-	26123	5
1 -11 1/2	06163	-	1,5D	0,661	-	-	46164 46165 46166	-	26163	5

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British coarse thread

Wire thread inserts „Standard" (BSW / Withworth-thread)
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
3/16 -24	02032	-	1D	-	5,0	6,01	42034 42035 42036	42039*	-	-
	02033	-	1,5D	-					22033	10
	02034	-	2D	-					-	-
	02035	-	2,5D	-					-	-
	02036	-	3D	-					-	-
1/4 -20	02042	-	1D	7,0	6,7	7,84	42044 42045 42046	42049	-	-
	02043	-	1,5D	10,5					22043	10
	02044	-	2D	14,0					-	-
	02045	-	2,5D	17,5					-	-
	02046	-	3D	21,0					-	-
5/16 -18	02052	-	1D	8,0	8,3	9,59	42054 42055 42056	42059	-	-
	02053	-	1,5D	12,0					22053	10
	02054	-	2D	16,0					-	-
	02055	-	2,5D	20,0					-	-
	02056	-	3D	24,0					-	-
3/8 -16	02062	-	1D	10,0	9,9	11,39	42064 42065 42066	42069	-	-
	02063	-	1,5D	15,0					22063	10
	02064	-	2D	20,0					-	-
	02065	-	2,5D	25,0					-	-
	02066	-	3D	30,0					-	-
7/16 -14	02072	-	1D	11,0	11,5	13,24	42074 42075 42076	-	-	-
	02073	-	1,5D	16,5					22073	10
	02074	-	2D	22,0					-	-
	02075	-	2,5D	27,5					-	-
	02076	-	3D	33,0					-	-
1/2 -12	02082	-	1D	12,0	13,0	15,17	42084 42085 42086	-	22082	10
	02083	-	1,5D	18,0					22083	10
	02084	-	2D	24,0					22084	10
	02085	-	2,5D	30,0					-	-
	02086	-	3D	36,0					-	-
9/16 -12	02092	-	1D	14,0	15,0	16,76	42094 42095 42096	-	-	-
	02093	-	1,5D	21,0					22093	5
	02094	-	2D	28,0					-	-
	02095	-	2,5D	35,0					-	-
	02096	-	3D	42,0					-	-
5/8 -11	02102	-	1D	15,0	16,7	18,57	42104 42105 42106	-	-	-
	02103	-	1,5D	22,5					22103	5
	02104	-	2D	30,0					-	-
	02105	-	2,5D	37,5					-	-
	02106	-	3D	45,0					-	-
3/4 -10	02122	-	1D	18,0	20,0	22,02	42124 42125 42126	-	-	-
	02123	-	1,5D	27,0					22123	5
	02124	-	2D	36,0					-	-
	02125	-	2,5D	45,0					-	-
	02126	-	3D	54,0					-	-

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SONDERKONSTRUKTIONEN

British coarse thread

Wire thread inserts „Standard“ (BSW / Withworth-thread)
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
7/8 -9	02142	-	1D	22,0	23,0	25,52	42144 42145 42146	-	-	-
	02143	-	1,5D	33,0					22143	3
	02144	-	2D	44,0					-	-
	02145	-	2,5D	55,0					-	-
	02146	-	3D	66,0					-	-
1“ -8	02162	-	1D	24,0	26,5	-	42164 42165 42166	-	-	-
	02163	-	1,5D	36,0					22163	3
	02164	-	2D	48,0					-	-
	02165	-	2,5D	60,0					-	-
	02166	-	3D	72,0					-	-

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British fine thread

Wire thread inserts „Standard" (BSF)
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
3/16 -32	00032	-	1D	-	5,0	5,71	40034 40035 40036	-	20032	10
	00033	-	1,5D	-					20033	10
	00034	-	2D	-					-	-
	00035	-	2,5D	-					-	-
	00036	-	3D	-					-	-
1/4 - 20	00042	-	1D	7,0	6,6	7,51	40044 40045 40046	-	20043	10
	00043	-	1,5D	10,5					-	-
	00044	-	2D	14,0					-	-
	00045	-	2,5D	17,5					-	-
	00046	-	3D	21,0					-	-
5/16 -22	00052	-	1D	8,0	8,3	9,30	40054 40055 40056	-	20052	10
	00053	-	1,5D	12,0					20053	10
	00054	-	2D	16,0					20054	10
	00055	-	2,5D	20,0					-	-
	00056	-	3D	24,0					-	-
3/8 -20	00062	-	1D	10,0	9,9	11,02	40064 40065 40066	-	20062	10
	00063	-	1,5D	15,0					20063	10
	00064	-	2D	20,0					20064	10
	00065	-	2,5D	25,0					-	-
	00066	-	3D	30,0					-	-
7/16 -18	00072	-	1D	11,0	11,5	12,78	40074 40075 40076	-	-	-
	00073	-	1,5D	16,5					20073	10
	00074	-	2D	22,0					-	-
	00075	-	2,5D	27,5					-	-
	00076	-	3D	33,0					-	-
1/2 -16	00082	-	1D	12,0	13,1	14,57	40084 40085 40086	-	20082	10
	00083	-	1,5D	18,0					20083	10
	00084	-	2D	24,0					20084	10
	00085	-	2,5D	30,0					-	-
	00086	-	3D	36,0					-	-
9/16 -16	00092	-	1D	14,0	14,8	16,16	40094 40095 40096	-	-	-
	00093	-	1,5D	21,0					20093	5
	00094	-	2D	28,0					-	-
	00095	-	2,5D	35,0					-	-
	00096	-	3D	42,0					-	-
5/8 -14	00102	-	1D	15,0	16,4	18,01	40104 40105 40106	-	-	-
	00103	-	1,5D	22,5					20103	5
	00104	-	2D	30,0					-	-
	00105	-	2,5D	37,5					-	-
	00106	-	3D	45,0					-	-
3/4 - 12	00122	-	1D	18,0	19,5	21,53	40124 40125 40126	-	-	-
	00123	-	1,5D	27,0					20123	5
	00124	-	2D	36,0					-	-
	00125	-	2,5D	45,0					-	-
	00126	-	3D	54,0					-	-

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„Recoil"

British fine thread

Wire thread inserts „Standard" (BSF)
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Maschine-Drill	Art. no.	UNIT
7/8 -11	00142	-	1D	22,0	22,5	24,94	40144 40145 40146	-	-	-
	00143	-	1,5D	33,0					20143	3
	00144	-	2D	44,0					-	-
	00145	-	2,5D	55,0					-	-
	00146	-	3D	66,0					-	-
1" -10	00162	-	1D	24,0	26,0	28,38	40164 40165 40166	-	-	-
	00163	-	1,5D	36,0					20163	3
	00164	-	2D	48,0					-	-
	00165	-	2,5D	60,0					-	-
	00166	-	3D	72,0					-	-

British thread

Wire thread inserts „Standard" (BSC)
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art. no.	UNIT
5/16 -26	06502	-	1D	-	-	-	46504 46505 46506	-	-	-
	06503	-	1,5D	-					26503	10
	06504	-	2D	-					-	-
3/8 -26	06602	-	1D	-	-	-	46604 46605 46606	-	-	-
	06603	-	1,5D	-					26603	10
	06604	-	2D	-					-	-
7/16 -26	06702	-	1D	-	-	-	46704 *46705 46706	-	-	-
	06703	-	1,5D	-					26703	10
	06704	-	2D	-					-	-
1/2 -26	06802	-	1D	-	-	-	46804 46805 *46806	-	-	-
	06803	-	1,5D	-					26803	10
	06804	-	2D	-					-	-

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British thread

Wire thread inserts „Standard" (BA)
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Außen Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art. no.	UNIT
0BA	00502	-	1D	-	6,2	7,12	40504 40505 40506	-	-	-
	00503	-	1,5D	-					20503	10
	00504	-	2D	-					-	-
	00505	-	2,5D	-					-	-
	00506	-	3D	-					-	-
1BA*	00512	-	1D	-	5,5	6,31	40514 40515 40516	-	-	-
	-	-	-	-					-	-
	00514	-	2D	-					-	-
	00515	-	2,5D	-					-	-
	00516	-	3D	-					-	-
2BA	00522	-	1D	-	4,9	5,61	40524 40525 40526	-	-	-
	00523	-	1,5D	-					20523	10
	00524	-	2D	-					-	-
	00525	-	2,5D	-					-	-
	00526	-	3D	-					-	-
4BA	00542	-	1D	-	3,8	4,35	40544 40545 40546	-	-	-
	00543	-	1,5D	-					20543	10
	00544	-	2D	-					-	-
	00545	-	2,5D	-					-	-
	00546	-	3D	-					-	-
6BA	00562	-	1D	-	2,9	3,40	40564 40565 40566	-	-	-
	00563	-	1,5D	-					20563	10
	00564	-	2D	-					-	-
	00565	-	2,5D	-					-	-
	00566	-	3D	-					-	-

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„Recoil"

British thread

Wire thread inserts „Standard" 8 TPI (UN)
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art. no.	UNIT
1 1/8 -3	06182	-	1D	-	-	-	46184	-	-	-
	06183	-	1,5D	-			46185		-	-
	06184	-	2D	-			46186		-	-
1 1/4 -8	06202	-	1D	-	-	-	46204	-	-	-
	06203	-	1,5D	-			46205		-	-
	06204	-	2D	-			46206		-	-
1 3/8 -8	06222	-	1D	-	-	-	46224	-	-	-
	06223	-	1,5D	-			46225		-	-
	06224	-	2D	-			46226		-	-
1 1/2 -8	06242	-	1D	-	-	-	46244	-	-	-
	06243	-	1,5D	-			46245		-	-
	06244	-	2D	-			46246		-	-
1 5/8 -8	06262	-	1D	-	-	-	46264	-	-	-
	06263	-	1,5D	-			46265		-	-
	06264	-	2D	-			46266		-	-
1 3/4 -8	06282	-	1D	-	-	-	46284	-	-	-
	06283	-	1,5D	-			46285		-	-
	06284	-	2D	-			46286		-	-
1 7/8 -8	06302	-	1D	-	-	-	46304	-	-	-
	06303	-	1,5D	-			46305		-	-
	06304	-	2D	-			46306		-	-
2" -8	06322	-	1D	-	-	-	46324	-	-	-
	06323	-	1,5D	-			46325		-	-
	06324	-	2D	-			46326		-	-

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British standard pipe thread

Wire thread inserts „Standard" (BSP)

Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Drill Ø in mm	Outside-Ø in mm	Thread Drill Art. No.		Refill packages (Free running)	
	Free running	Self-locking	D	mm			3 Levels	Machine-Drill	Art. no.	UNIT
1/8-28	01022	-	1D	-	9,9	-	41024	-	21022	10
	01023	-	1,5D	0,273			41025		21023	10
	01024	-	2D	-			41026		21024	10
1/4-19	01042	-	1D	-	13,5	-	41044	-	21042	10
	01043	-	1,5D	0,394			41045		21043	10
	01044	-	2D	-			41046		21044	10
3/8-19	01062	-	1D	-	17,0	-	41064	-	21062	10
	01063	-	1,5D	0,407			41065		21063	10
	01064		2D	-			41066		21064	10
1/2-14	01082	-	1D	-	21,5	-	41084	-	21082	5
	01083	-	1,5D	0,534			41085		21083	5
	01084	-	2D	-			41086		21084	5
5/8-14	01102	-	1D	-	23,5	-	41104	-	-	-
	01103	-	1,5D	-			41105		21103	5
	01104	-	2D	-			41106		-	-
3/4-14	01122	-	1D	-	27,0	-	41124	-	-	-
	01123	-	1,5D	0,553			41125		21123	5
	01124	-	2D	-			41126		-	-
1"-11	01162		1D	-	33,5	-	41164	-	-	-
	01163	-	1,5D	0,661			41165		21163	3
	01164	-	2D	-			41166		-	-

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Thread repair Kits

„Metric"

Content:

- HSS special thread drill
- Installation tool
- Tang Break Tool
- Thread inserts
- Drill
- Instruction

From size M13 -1.75 without tang remover and drill.

Thread inside- Ø „Metric"	Art. no.	Type	Inserts per kit	Core-Ø SpiralDrill Ø in mm
M2 -0,4	35028	1	15	2,1
M2,2 -0,45	35018	1	15	2,3
M2,5 -0,45	35258	1	15	2,6
M3 -0,5	35038	1	15	3,2
M3,5 -0,6*	35358	1	10	3,7
M4 -0,7	35048	1	15	4,2
M5 -0,8	35058	1	15	5,2
M6 -1,0	35068	1	15	6,3
M7 -1,0	35078	1	15	7,3
M8 -1,25	35088	1	15	8,3
M9 -1,25	35098	1	15	9,4
M10 -1,5	35108	1	10	10,4
M11 -1,5	35118	1	10	11,5
M12 -1,75	35128	1	10	12,5
M13 -1,75	35138	1	6	13,5
M14 -2,0	35148	1	6	14,5
M15 -2,0	35158	1	6	15,5
M16 -2,0	35168	1	6	16,5
M18 -2,5	35188	1	6	18,8
M20 -2,5	35208	1	6	20,8
M22 -2,5	35220	2	5	22,8
M24 -3,0	35240	2	5	24,8
M27 -3,0	35270	2	5	28,0
M30 -3,5	35300	2	5	30,5
M30 -3,0*	35300-3	2	5	31,0
M33- 0,5	35330	2	5	34,0
M36 -4,0	35360	2	4	37,0
M39 -4,0	35390	2	4	40,0
M42 -4,0*	35420-4	2	4	43,0
M42 -4,5	35420	2	4	43,0
M45 -4,5*	35450	2	4	-
Left-hand thread				
M6- 1,0	35068LH	1	10	6,3
M8- 1,25	35088LH	1	10	8,3
M10- 1,5	35108LH	1	10	10,4
M12- 1,75	35128LH	1	5	12,5

* on request

„Type 1"

„Type 2"

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Thread repair Kits
„Metric- Fine"

„Type 1"

Content:

- HSS special thread drill
- Itallation tool
- Tang Break Tool
- Thread inserts
- Drill
- Instruction

From size M13 -1.5 without tang remover and drill.

Thread inside- Ø „Metric- Fine"	Art. no.	Type	Inserts per kit
M8 -1,0	37088	1	15
M9 -1,0	37098	1	10
M10 -1,25	37108	1	10
M11 -1,25	37118	1	10
M12 -1,5	37128	1	10
M13 -1,5	37138	1	6
M14 -1,5	37148	1	6
M15 -1,5	37158	1	5
M16 -1,5	37168	1	6
M18 -2,0	37188	1	6
M20 -2,0	37208	1	6
M22 -2,0	37220	2	5
M24 -2,0	37240	2	5
M27 -2,0	37270	2	5
M30 -2,0	37300	2	5
M36 -3,0	37360	2	4
M39 -3,0	37390	2	4
M42 -3,0	37420	2	4

Thread repair Kits
„Metric- Extra- Fine
From size M13 -1.25 without tang remover and drill.

„Type 2"

Thread inside-Ø „Metric- X- Fine"	Art. no.	Type	Inserts per kit
M10 -1,0	38108	1	10
M11 -1,0	38118	1	10
M12 -1,25	38128	1	10
M13 -1,25	38138	1	6
M14 -1,25	38148-1	1	6
M18 -1,5	38188	1	6
M20 -1,5	38208	2	5
M22 -1,5	38220	2	5
M24 -1,5	38240	2	5
M25 -1,5	38250	2	5
M26 -1,5	38260	2	5
M27 -1,5	38270	2	5
M30 -1,5	38300	2	5
M36 -1,5	38360	2	4
M39 -2,0	38390	2	5
M42 -2,0	38420	2	4

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„Recoil"

Thread repair- (Mini Kombi Kits)

„Metric"

Content:

- HSS - HSS special thread drill standard
- Itallation tool
- Tang Break Tool
- Thread inserts (3 different thread sizes)
- Instruction

Thread-type	Art. no.	Inserts per kit (10pcs.)
Metric	35001	M5, M6, M8

Thread repair- (Kombi Kits)

„Metric"

Content:

- HSS special thread Drill Standard
- Itallation tool
- Tang Break Tool
- Thread inserts (5 different thread sizes)
- Instruction

Thread-type	Art. no.	Inserts per kit
Metric	35003R	M4, M5, M6, M8, M10
Metric	35004R	M5, M6, M8, M10, M12
Metric	35005R	M6, M8, M10, M12, M16
Metric	37007R	M6, M8, M10, M12, M14 -1,25
Motorcycle	38006R	M6, M8, M10-1, M10-1,25, M12-1,25, M14-1,25

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Thread repair Kits

„inch“- (UNC)

Content:

- HSS special thread drill
- Itallation tool
- Tang Break Tool
- Thread inserts
- Drill
- Instruction

From size 9/16 -12 including size 12-24 without Driving pin remover and drill.

Thread inside- Ø „inch“	Art. no.	Type	Inserts per kit
2 -56	33528	1	15
3 -48	33538	1	15
4 -40	33548	1	15
5 -40	33558	1	15
6 -32	33568	1	15
8 -32	33588	1	15
10 -24	33608	1	15
12 -24	33628	1	15
1/4 -20	33048	1	15
5/16 -18	33058	1	15
3/8 -16	33068	1	15
7/16 -14	33078	1	10
1/2 -13	33088	1	10
9/16 -12	33098	1	6
5/8 -11	33108	1	6
11/16 -11	33110	1	5
3/4 -10	33128	1	6
7/8 -9	33140	2	5
1 -8	33160	2	5
1 1/8 -7	33180	2	5
1 1/4 -7	33200	2	5
1 3/8 -6	33220	2	5
1 1/2 -6	33240	2	4
1/4 20	*33048	1	36
5/16 -18	*33058	1	36
3/8 -16	*33068	1	18
1/2 -13	*33088	1	18

„Type 1"

„Type 2"

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Thread repair Kits
„inch"- (UNF)

„Type 1"

Content:

- HSS special thread drill
- Installation tool
- Tang Break Tool
- Thread inserts
- Drill
- Instruction

From size 9/16 -18 without tang remover and drill.

Thread inside- Ø „Zoll"	Art. no.	Type	Inserts per kit
3 -56	34538	1	15
4 -48	34548	1	15
6 -40	34568	1	15
8 -36	34588	1	15
10 -32	34608	1	15
12 -28	34628	1	15
1/4 -28	34048	1	15
5/16 -24	34058	1	15
3/8 -24	34068	1	15
7/16 -20	34078	1	10
1/2 -20	34088	1	10
9/16 -18	34098	1	6
5/8 -18	34108	1	6
3/4 -16	34128	1	6
7/8 -14	34140	2	5
1 -12	34160	2	5
*1 -14	34160-14	2	5
1 1/8 -12	34180	2	5
1 1/4 -12	34200	2	5
1 3/8 -12	34220	2	3
1 1/2 -12	34240	2	3

* on request

Thread repair Kits
„inch"- (BA)

„Type 2"

Content:

- HSS special thread drill
- Installation tool
- Tang Break Tool
- Thread inserts
- Drill
- Instruction

Thread inside- Ø „inch"	Art. no.	Type	Inserts per kit
0 BA	30508	1	15
2 BA	30528	1	15
4 BA	30548	1	15
6 BA	30568	1	15

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„Recoil"

Thread repair Kits
„inch"- (BSC/ BRASS)

Content:

- HSS special thread drill standard
- Itallation tool
- Thread inserts
- Instruction

Thread inside- Ø „inch"	Art. no.	Type	Inserts per kit
5/16 -26	36508	1	15
3/8 -26	36608	1	10
7/16 -26	36708	1	10
1/2 -26	36808	1	10

„Type 1"

Thread repair Kits
„inch"- (BSF)

Content:

- HSS special thread drill standard
- Itallation tool
- Tang Break Tool
- Thread inserts
- Drill
- Instruction

From size 9/16 -16 without tang remover and drill.

Thread inside- Ø „inch"	Art. no.	Type	Inserts per kit
3/16 -32	30038	1	15
1/4 -26	30048	1	15
5/16 -22	30058	1	15
3/8 -20	30068	1	10
7/16 -18	30078	1	10
1/2 -16	30088	1	10
9/16 -16	30098	1	6
5/8 -14	30108	1	6
3/4 -12	30128	1	6
7/8 -11	30140	2	5
1 -10	30160	2	5
1 1/4 -9	30200	2	5

„Type 2"

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Thread repair Kits
„inch"-(BSP)

„Type 1"

Content:

- HSS special thread drill
- Itallation tool
- Thread inserts
- Instruction
-

From size 1/4 -19 without tang remover and drill.

Thread inside-Ø „inch"	Art. no.	Type	Inserts per kit
1/8 -28	31028	1	10
1/4 -19	31048	1	6
3/8 -19	31068	1	6
1/2 -14	31080	2	5
5/8 -14	31100	2	5
3/4 -14	31120	2	5
1 -11	31160	2	5

Thread repair Kits
„inch"- (BSW)

Content:

- HSS special thread drill
- Itallation tool
- Thread inserts
- Instruction

From size 9/16 -12 without tang remover and drill.

„Type 2"

Thread inside-Ø „inch"	Art. no.	Type	Inserts per kit
1/8 -40	32028	1	15
3/16 -24	32038	1	15
1/4 -20	32048	1	15
5/16 -18	32058	1	15
3/8 -16	32068	1	10
7/16 -14	32078	1	10
1/2 -12	32088	1	10
9/16 -12	32098	1	6
5/8 -11	32108	1	6
3/4 -10	32128	1	6
7/8 -9	32140	2	5
1 -8	32160	2	5
1 1/8 -7	32180	2	5
1 1/4 -7	32200	2	5
1 3/8 -6	32220	2	5
1 1/2 -6	32240	2	5

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„Recoil"

Thread repair Kits

„inch"- (NPT)

Content:

- HSS special thread drill
- Itallation tool
- Thread inserts
- Instruction

From size 1/4 -18 without tang remover and drill.

Thread inside- Ø „inch"	Art. no.	Type	Inserts per kit
1/8 -27	36028	1	10
1/4 -18	36048	1	10
3/8 -18	36068	1	6
1/2 -14	36080	2	5
3/4 -14	36120	2	5
1 -11 1/2	36160	2	5

„Type 1"

Thread repair Kits

„inch"- (8 TPI UN)

Content:

- HSS special thread drill
- Itallation tool
- Thread inserts
- Instruction

Thread inside- Ø „inch"	Art. no.	Type	Inserts per kit
1 1/8 -8	36180	2	5
1 1/4 -8	36200	2	5
1 3/8 -8	36220	2	5
1 1/2 -8	36240	2	4
1 5/8 -8	36260	2	4
1 3/4 -8	36280	2	4
1 7/8 -8	36300	2	4
2 -8	36320	2	4

„Type 2"

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„Recoil"

Thread repair (Mini Kombi Kits)

„inch"

Content:

- HSS special thread drill standard
- Tang Break Tool
- Thread inserts (3 different thread sizes)
- Drill
- Instruction

Thread-type	Art. no.	Inserts per kit
UNC	33001	1/4, 5/16, 3/8
UNF	34001	1/4, 5/16, 3/8

Thread repair (Kombi Kits)

„inch"

Content:

- HSS special thread drill standard
- Itallation tool
- Tang Break Tool
- Thread inserts (5 different thread sizes)
- Drill
- Instruction

Thread-type	Art. no.	Inserts per kit
BSF	30004R	1/4, 5/16, 3/8, 7/16, 1/2
BSP	31004R	1/8, 1/4, 3/8, 1/2
BSW	32004R	1/4 ,5/16, 3/8, 7/16, 1/2
UNC	33004R	1/4 ,5/16, 3/8, 7/16, 1/2
UNF	34004R	1/4 ,5/16, 3/8, 7/16, 1/2
NPT	36004R	1/8, 1/4, 3/8, 1/2

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Metrice standard thread (taped)

Wire thread inserts „Free running and self-locking"
Taps content:

- Pre-cutters, intermediate and finishing cutters

Thread Inside Ø	Art. no.		Lengths		Core-Ø	Outside-Ø in mm	Set thread drill	Rollers Ø in mm	Inserts per strap
	Free running	Self-locking	D	mm	SpiralDrill Ø in mm		Art. no.		
M2,2 x 0,45	05012SF	15012SF	1D	2,2	2,1	-	45025	200	1000
	05013SF	15013SF	1,5D	3,3					
	05014SF	15014SF	2D	4,4					
M2,5 x 0,45	05252SF	15252SF	1D	2,5	2,6	-	45015	200	1000
	05253SF	15253SF	1,5D	3,8					
	05254SF	15254SF	2D	5,0					
M3 x 0,5	05032SF	15032SF	1D	2,5	3,10	3,65	45035	200	1000
	05033SF	15033SF	1,5D	3,8					
	05034SF	15034SF	2D	5,0				290	
M4 x 0,7	05042SF	15042SF	1D	4,0	4,10	4,91	45045	200	1000
	05043SF	15043SF	1,5D	6,0				290	
	05044SF	15044SF	2D	8,0					
M5 x 0,8	05052SF	15052SF	1D	5,0	5,20	6,04	45055	290	1000
	05053SF	15053SF	1,5D	7,5					500
	05054SF	15054SF	2D	10,0					
M6 x 1,0	05062SF	15062SF	1D	7,0	6,20	7,30	45065	200	500
	05063SF	15063SF	1,5D	10,5				290	
	05064SF	15064SF	2D	14,0					
M8 x 1,25	05082SF	15082SF	1D	8,0	8,30	8,30	45075	290	500
	05083SF	15083SF	1,5D	12,5				385	
	05084SF	15084SF	2D	16,0					
M8 x 1,0	07082SF	17082SF	1D	8,0	8,20		47085	290	
	07083SF	17083SF	1,5D	12,0					
	07084SF	17084SF	2D	16,0					
M12 -1,75	05122SF	15122SF	1D	8,0	12,40	14,27	45125	290	125
	05123SF	15123SF	1,5D	12,0					
	05124SF	15124SF	2D	16,0					

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„Recoil"

„inch UNC" (taped)

Wire thread inserts „Free running and self-locking"

Thread Inside Ø	Art. no.		Lengths		Core-Ø	Outside-Ø in mm	Set thread drill	Rollers Ø in mm	Inserts per strap
	Free running	Self-locking	D	mm	SpiralDrill Ø in mm		Art. no.		
2- 56	03522SF	13522SF	1D	2,0	2,3	2,84	43525	200	1000
	03523SF	13523SF	1,5D	3,0					
	03524SF	13524SF	2D	4,0					
3- 48	03532SF	13532SF	1D	2,2	2,7	-	43535	200	1000
	03533SF	13533SF	1,5D	3,3					
	03534SF	13534SF	2D	4,4					
4- 40	03542SF	13542SF	1D	2,5	3,0	-	43545	200	1000
	03543SF	13543SF	1,5D	3,8					
	03544SF	13544SF	2D	5,0				290	
5- 40	03552SF	13552SF	1D	2,5	3,1	3,67	43545	200	1000
	03553SF	13553SF	1,5D	3,8					
	03554SF	13554SF	2D	5,0					
6- 32	03562SF	13562SF	1D	3,5	3,4	4,00	43555	200	1000
	03563SF	13563SF	1,5D	5,3				290	
	03564SF	13564SF	2D	7,0					
8- 32	03582SF	13582SF	1D	4,0	4,4	-	43585	290	1000
	03583SF	13583SF	1,5D	6,0					
	03584SF	13584SF	2D	8,0					
10- 24	03602SF	13602SF	1D	5,0	3,8	4,54	43565	290	1000
	03603SF	13603SF	1,5D	7,5					500
	03604SF	13604SF	2D	10,0					
1/4- 20	03042SF	13042SF	1D	7,0	6,7	8,00	43045	290	500
	03043SF	13043SF	1,5D	10,5					
	03044SF	13044SF	2D	14,0					250
5/16- 18	03052SF	13052SF	1D	8,0	8,3	-	43055	290	250
	03053SF	13053SF	1,5D	12,0					
	03054SF	13054SF	2D	16,0					

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„Recoil"

„Inch- UNF" (Taped)

Wire thread inserts „Free running and self-locking"

Thread Inside Ø	Art. no.		Lengths		Core-Ø	Outside-Ø in mm	Set thread drill	Rollers Ø in mm	Inserts per strap
	Free running	Self-locking	D	mm	SpiralDrill Ø in mm		Art. no.		
3- 56	04532SF	14532SF	1D	2,2	2,65	-	44535	200	1000
	04533SF	14533SF	1,5D	3,3					
	04534SF	14534SF	2D	4,4					
4- 48	04542SF	14542SF	1D	2,5	3,0	3,53	44545	200	1000
	04543SF	14543SF	1,5D	3,8					
	04544SF	14544SF	2D	5,0				290	
6- 40	04562SF	14562SF	1D	3,5	3,7	4,33	44565	200	1000
	04563SF	14563SF	1,5D	5,3					
	04564SF	14564SF	2D	7,0				290	
8- 36	04582SF	14582SF	1D	4,0	4,4	5,08	44585	290	1000
	04583SF	14583SF	1,5D	6,0					
	04584SF	14584SF	2D	8,0					
10- 32	04602SF	14602SF	1D	5,0	5,1	5,86	44605	290	1000
	04603SF	14603SF	1,5D	7,5					500
	04604SF	14604SF	2D	10,0					
1/4- 28	04042SF	14042SF	1D	7,0	6,6	7,53	44045	290	500
	04043SF	14043SF	1,5D	10,5					
	04044SF	14044SF	2D	14,0					
5/16- 24	04052SF	14052SF	1D	8,0	8,2	9,31	44055	290	250
	04053SF	14053SF	1,5D	12,0					
	04054SF	14054SF	2D	16,0					

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HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Hand Tools
„Metric“

VIDEO

Thread Ø Inside	Installation tools				
	Plastic body	Metal body		Aluminium body	Metal
Standard thread					
M2 x 0,4	-	55021	50061-20	-	-
M2.2 x 0,45	-	55011	50061-21	-	-
M2.5 x 0,45	55252U	55251	50069-21	-	-
M3 x 0,5	55032U	55031	50089-17	-	-
M3.5 x 0,6	-	55351	50095-15	-	-
M4 x 0,7	55042U	55041	50125-13	-	-
M5 x 0,8	55052U	55051	50156-9	-	-
M6 x 1,0	55062U	55061	50188-5	-	-
M7 x 1,0	55072U	55071	50219-4	-	-
M8 x 1,25	55082U	55081	50250-7	-	-
M9 x 1,25	55092U	55091	50281-5	-	-
M10 x 1,5	55102U	55101	50281-4	-	-
M12 x 1,75	55122U	55121	50375-1	-	-
M14 x 2	55142U	55141	50438-0	-	-
M15 x 2	-	-	50438-0	-	55146
M16 x 2	-	-	50500-0	55161	55166
M18 x 2,5	-	55181	50591-0	-	-
M22 x 2,5	-	-	50688	-	-
M24 x 3	-	-	50750	-	-
M27 x 3	-	55271	50875	-	-
M30 x 3,5	-	55301	51000	-	-
M30 x 3	-	-	-	-	-
M36 x 4	-	-	51125	-	-
M39 x 4	-	-	51250	-	-
Fine thread					
M8 x 1	-	57081	50250-7	-	-
M9 x 1		57091	50281-5	-	-
M10 x 1,0	-	58101	50313-4	-	-
M10 x 1,25	57102U	57101		-	-
M12 x 1,25	58122U	58121	50375-1	-	-
M12 x 1,5	57122U	57121		-	-
M14 x 1,5	-	57141	50438-0	-	-
M16 x 1,5	-	-	50500-0	57161	-
M18 x 1,5	-	57181	50591-0	-	-
M18 x 2	-	58181		-	-

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SONDERKONSTRUKTIONEN

Hand Tools
„Inch"

VIDEO

Thread Ø Inside	Installation tools				
	Plastic body	Metal body		Aluminium body	Metal
Standard					
2- 56	53522U	53521	50061-17	-	-
3- 48	53532U	53531	50069-17	-	-
4- 40	53542U	53541	50077-17	-	-
5- 40	-	53551	50089-18	-	-
3/16- 32	-	-	50156-9	-	-
6- 32	53562U	53561	50095-16	-	-
8- 32	53582U	53581	50125-14	-	-
10- 24	53602U	53601	50140-11	-	-
12- 24	-	53621	50156-10	-	-
1/4- 20	53042U	53041	50188-10	-	-
5/16- 18	53052U	53051	50219-8	-	-
3/8- 16	53062U	53061	50281-4	-	-
7/16- 14	53072U	53071	50344-3	-	-
1/2- 13	53082U	53081	50375-2	-	-
9/16- 12	-	-	50438-1	53091	53096
5/8- 11	-	-	50500-1	53101	53106
3/4- 10	-	-	50591-1	53121	53126
7/8- 9	-	-	50688	53141	53146
1-8	-	-	50750	53161	53166
1 1/8- 7	-	-	50875	53181	53186
1 1/4-7	-	-	51000	53201	53209
1 3/8- 6	-	-	51063	53221	53226
1 1/2- 6	-	-	51125	53241	53246
1 7/8- 8	-	-	51500	-	-
3/8- 20	-	-	50281-5	-	-

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Hand Tools
„Inch"

VIDEO

Thread Ø Inside	Installation tools				
	Plastic body	Metal body		Aluminium body	Metal
Fine thread					
3- 56	-	54531	50069-17	-	-
4- 48	-	54541	50077-17	-	-
6- 40	-	54561	50095-17	-	-
8- 36	-	54581	50125-14	-	-
10- 32	54602U	54601	50156-11	-	-
1/4- 28	54042U	54041	50188-10	-	-
5/16- 24	54052U	54051	50250-5	-	-
3/8- 24	54062U	54061	50313-6	-	-
7/16- 20	54072U	54071	50344-4	-	-
1/2- 20	54082U	54081	50375-3	-	-
9/16- 18	-	-	50438-0	54091	-
5/8- 18	-	-	50500-0	54101	-
3/4- 16	-	-	50591-0	54121	-
7/8- 14	-	-	50688	54141	-
1- 12	-	-	50750	54161	-
1-14	-	-	-	54171	-
1 1/8- 12	-	-	51000	54181	-
1 1/4- 12	-	54201	51063	-	-
1 3/8- 12	-	54221	51125	-	-
1 1/2- 12	-	54241	51250	-	-
1/8- 27	-	-	50313-3	-	-
1/8- 28	-	-	50313-5	-	-
3/8- 26	-	-	50313-5	-	-
5/16- 22	50250U	-	50250-5	-	-
1/8- 40	-	-	50089-19	-	-
3/16- 24	-	-	50140-9	-	-
7/16	-	-	50344-1	-	-

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Hand Tools

„Metric"

VIDEO

Thread Ø Inside	Tang breaker and boring tools				
	magnetic	with spring	pneumatic	Boring tools	
Standard thread					
M2 x 0,4	M59060	59061	-	50001	-
M2.2 x 0,45	-	-	-		
M2.5 x 0,45	M59070	59071	-		
M3 x 0,5	M59090	59091	-		50002
M3.5 x 0,6	M59100	59101	-		
M4 x 0,7	M59130	59121	-		
M5 x 0,8	M59160	59141	-	ab M4 50003	
M6 x 1,0	M59190	59181	-		
M7 x 1,0	-	-	-		
M8 x 1,25	M59250	59241	-		
M9 x 1,25	-	-	-		
M10 x 1,5	M59280	59291	-		
M12 x 1,75	M59380	59331	59332		-
M14 x 2	-	-	-		
M15 x 2	-	-	-		
M16 x 2	-	-	-		
M18 x 2,5	-	-	-		
M22 x 2,5	-	-	-		50004
M24 x 3	-	-	-		
M27 x 3	-	-	-	50004	
M30 x 3,5	-	-	-		
M30 x 3	-	-	-		
M36 x 4	-	-	-	50005 bis M65	
M39 x 4	-	-	-		
Fine thread					
M8 x 1	M59250	59241	-	50002	
M9 x 1	-	-	-		
M10 x 1,0	-	59291	-		
M10 x 1,25	M59310	-	-		
M12 x 1,25	-	59332	-		
M12 x 1,5	-	-	-		
M14 x 1,5	-	59462	59462	50003	
M16 x 1,5	-	-	-		
M18 x 1,5	-	-	-		
M18 x 2	-	-	-		

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HoKon
VERSCHLUSSTECHNIK &
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Hand Tools
„Inch"

VIDEO

Thread Ø Inside	Tang breakers and boring tools				
	magnetic	with spring	pneumatic	Boring tools	
Standard					
2- 56	-	59061	-	50001	-
3- 48	-	59071	-		
4- 40	-	59081	-		50002
5- 40	-	59091	-		
3/16- 32	-	-	-		
6- 32	-	59101	-	50003	
8- 32	-	59121	-	50001	
10- 24	M59140	59141	-	50003	
12- 24			-		
1/4- 20	-	59181	-		
5/16- 18	M59220	59241	-		
3/8- 16	-	59291	-		
7/16- 14	-	-	-		-
1/2- 13	-	59332	59332		
9/16- 12	-	-	-		
5/8- 11	-	-	-		
3/4- 10	-	-	-		
7/8- 9	-	-	-		
1-8	-	-	-		
1 1/8- 7	-	-	-	50004	
1 1/4-7	-	-	-		
1 3/8- 6	-	-	-		
1 1/2- 6	-	-	-		50005
Fine thread					
3- 56	-	59071	-	50001	
4- 48	-	59081	-	50002	50003
6- 40	-	59101	-		
8- 36	-	59121	-		
10- 32	-	59141	-		
1/4- 28	-	59181	-		
5/16- 24	-	59241	-		
3/8- 24	-	59291	-		
7/16- 20	-	-	-	-	
1/2- 20	-	-	-		
9/16- 18	-	-	-		
5/8- 18	-	-	-		
3/4- 16	-	-	-		
7/8- 14	-	-	-		
1- 12	-	-	-		
1-14	-	-	-	-	
1 1/8- 12	-	-	-	50004	

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„Recoil"

Hexagonal assembly mandrel

can be used with:

„electric" tool REC-12
„pneumatic" tool REC-10K
„battery-powered" tool REC-20

VIDEO

Thread Ø inside	Art. no.	Length In mm	ØB
Metric			
M2 x 0,4	55027	100	8
M2,5 x 0,45	55257	100	8
M3 x 0,5	55037	100	8
M3,5 x 0,6	55357	100	8
M4 x 0,7	55047	100	8
M5 x 0,8	55057	100	10
M6 x 1,0	55067	100	11
M8 x 1,25	55087	100	14
M10 x 1.5	55107	100	14
UNC			
2- 56	53527	100	8
4- 40	53547	100	8
5- 40	53557	100	8
6- 32	53567	100	8
8- 32	53587	100	8
10- 24	53607	100	8
1/4- 20	53047	100	13
5/16- 18	53057	100	14
3/8- 16	53067	100	14
UNF			
10- 32	54607	100	10
1/4- 28	54047	100	11

Thread limit plug gauges

Thread Ø inside	Art. no.
Metric	
M2,5- 0,45	65255
M3- 0,5	65035
M4- 0,7	65045
M5- 0,8	65055
M6- 1	65065
M8- 1	67085
M8- 1,25	65085
M10- 1,25	67105
M10- 1,5	65105
M12- 1,75	65125
M14- 2	65145
M16- 2	65165
Inch	
3- 48	63532
5- 40	63552
12- 24	63622
9/16- 12	63092
10- 32	64602
1/4- 28	64042
5/16- 24	64052
3/8- 24	64062

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Gewindegrenzlehrdornen

Metrisch

Gewinde Ø Innen	Art. Nr.	
	4H/5H enge Passung	5H mittlere Passung
M2-0,4	65024	65025
M2,2-0,45	65014	65015
M2,5-0,45	65254	65255
M3-0,5	65034	65035
M3,5-0,6	65354	65355
M4-0,7	65044	65045
M5-0,8	65054	65055
M6-1,0	65064	65065
M7-1,0	65074	65075
M8-1,25	65084	65085
M9-1,25	65094	65095
M10-1,5	65104	65105
M11-1,5	65114	65115
M12-1,75	65124	65125
M13-1,75	65134	65135
M14-2,0	65144	65145
M15-2,0	65154	65155
M16-2,0	65164	65165
M18-2,5	65184	65185
M20-2,5	65204	65205
M22-2,5	65224	65225
M24-3,0	65244	65245
M27-3,0	65274	65275
M30-3,5	65304	65305
M30-3,0	65304-3	65305-3
M36-4,0	65364	65365
M39-4,0	65394	65395
M42-4,5	65424	65425
M42-4,0	65424-4	65425-4

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Gewindegrenzlehrdornen

Metrisch-Fein

Gewinde Ø Innen	Art. Nr.	
	4H/5H close fit	5H medium fit
M8-1,0	67084	67085
M10-1,0	68104	68105
M10-1,25	67104	67105
M11-1,0	68114	68115
M11-1,25	67114	67115
M12-1,25	68124	68125
M12-1,5	67124	67125
M13-1,25	68134	68135
M13-1,5	67134	67135
M14-1,5	67144	67145
M15-1,5	67154	67155
M16-1,5	67164	67165
M18-1,5	68184	68185
M18-2,0	67184	67185
M20-1,5	68204	68205
M20-2,0	67204	67205
M22-1,5	68224	68225
M22-2,0	67224	67225
M24-1,5	68244	68245
M24-2,0	67244	67245
M26-1,5	68264	68265
M27-1,5	68274	68275
M27-2,0	67274	67275
M30-1,5	68304	68305
M30-2,0	68304	67305
M36-1,5	68364	68365
M36-3,0	67364	67365
M39-2,0	68394	68395
M39-3,0	67394	67395
M42-2,0	68424	68425
M42-3,0	67424	67425

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Gewindegrenzlehrdornen

Zoll

Gewinde Ø Innen	Art. Nr.	
	3B close fit	2B medium fit
UNC		
2-56	63523	63522
3-48	63533	63532
4-40	63543	63542
5-40	63553	63552
6-32	63563	63562
8-32	63583	63582
10-24	63603	63602
12-24	63623	63622
1/4-20	63043	63042
5/16-18	63053	63052
3/8-16	63063	63062
7/16-14	63073	63072
1/2-13	63083	63082
9/16-12	63093	63092
5/8-11	63103	63102
11/16-11	63113	63112
3/4-10	63123	63122
7/8-9	63143	63142
1-8	63163	63162
1 1/8-7	63183	63182
1 1/4-7	63203	63202
1 3/8-6	63223	63222
1 1/2-6	63243	63242
UNF		
3-56	64533	64532
4-48	64543	64542
6-40	64563	64562
8-36	64583	64582
10-32	64603	64602
1/4-28	64043	64042
5/16-24	64053	64052
3/8-24	64063	64062
7/16-20	64073	64072
1/2-20	64083	64082
9/16-18	64093	64092
5/8-18	64103	64102
3/4-16	64123	64122
7/8-14	64143	64142
1-12	64163	64162
1-14	64163-14	64162-14
1 1/8-12	64183	64182
1 1/4-12	64203	64202
1 3/8-12	64223	64222
1 1/2-12	64243	64242

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„Recoil"

„Automatic" Tools

VIDEO

Can be used with: „Pneumatic" tool REC-10
„Electric" tool REC-12

Thread Ø inside	Preload sleeve with mandrel (FEA)	small Adapter	large Adapter	HEX-Adapter	Drive
Metric „Standard thread"					
M2,5- 0,45	M8751-2,5-15	M8550R	-	-	REC-10
M3- 0,5	M8751-3-15				
M4- 0,7	M8751-4-15				
M5- 0,8	M8751-5-15				
M6- 1	M8751-6-15				
M8- 1,25	M8755-8-15	-	M85501R		
M10- 1,5	M8751-10-15*				
M12- 1,75	M8751-12-15*				
M16- 2	M8751-16*				
Metric „Fine"					
M8- 1	M8751-8-15	M8550R	-	-	REC-10
M10- 1	M8755-10-15*				
M10- 1,25	M8756-10-15*				
M12- 1,25	M8756-12-15*				
M12- 1,5	M8753-12-15*				
M14- 1,5	M8753-14*				

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„Recoil"

„Automatic" Tools

VIDEO

Can be used with: „Pneumatic" tool REC-10
„Electric" tool REC-12

Thread Ø Inside	Preload sleeve with mandrel (FEA)	small Adapter	large Adapter	HEX-Adapter	Drive
UNC					
2- 56	M8551-02-15	M8550R	-	-	REC-10
4- 40	M8551-04-15				
5- 40	M8551-05-15				
6- 32	M8551-06-15				
8- 32	M8551-2-15				
10- 24	M8551-3-15				
1/4- 20	M8551-4-15				
5/16- 18	M8251-5-15	-	M85501R		
3/8- 16	M8251-6-15*				
7/16- 14	M8251-7-15*				
1/2- 13	M8251-8-15*				
5/8- 11	M8251-9*				
3/4- 10	M8251-10*				
UNF					
6- 40	M8552-06-15	M8550R	-	HEX Adapter	REC-10
10- 32	M8552-3-15				
1/4- 28	M8552-4-15				
5/16- 24	M8252-5-15	-	M85501R		
3/8- 24	M8252-6-15				
7/16- 20	M8252-7-15				
1/2- 20	M8252-8-15				
5/8- 18	M8252-9*		-		
3/4- 16	M8252-10*		-		

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„Recoil"

REC-12
Electric tool

VIDEO

The REC-12 electric tool is designed for small and large production quantities and can be designed for loose or taped Recoil, Tanged and Tangless inserts can be used.

Main features:

- Ligth
- Auto reverse
- Used for Tanged and Tangless Thread Inserts and Tooling
- Loose or belted - usable for HEX (FEA-Front- End-Assembly)
- Usable up to M6 or 1/4
- Low and high speed function
- CE-certified
- Hard shell housing

REC-10K
pneumatic tool

VIDEO

For installation of Tanged and Tangless thread inserts.
The REC-10K with air motor contains small and large attachments for Recoil applications (FEA-Front End Assembly) from M2.5 to M16 or 2-56 - 5/8" and an attachment suitable for 1/4" drive mandrel. The air regulator, lubricator and pressure gauge help clean the air and regulate the lubricant for the air motor.

- Suitable standard 1/4" HEX actuator Size range M2 – M12/ 2-56 – 1/2"
- Suitable small adaptor Size range (FEA) M2,5 – M6/ 2-56 – 1/4"
- Suitable large adaptor Size range (FEA) M8- M14; 5/16"- 3/4"
- CE-Zertifiziert
- Packed in a hard-shell case

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„Recoil"

REC-10K
automatic tool
Suitcase -Content:

VIDEO

Content	Quantity
Standard 1/4" Hex Drive	1
Suitable small adaptor (FEA)	1
Suitable large adaptor (FEA)	1
Air regulator	1
Lubrication device	1
Pressure gauge	1
Hose	1
Screwdriver	1
Wrench for adaptor	2
Handbook with parts list	1

Air regulator/
Lubrication device

Pressure gauge

HEX
Adapter

small
Adapter

large Adapter

Front tool (FEA)

Spacer

Spacer

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VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

REC-20
Battery Driver tool

VIDEO

The REC-20 a lightweight battery-operated tool
for small productions and difficult to reach threaded holes.
Works vertically and horizontally in 2 speed levels.
Suitable for Recoil Tanged and Tangless inserts (M2 - M6 or 2-56 - 1/4").

- inclusive spare battery
- Suitable for 1/4" hexagon
- High and low speed
- Forward and backward direction
- Coupling torque controller
- CE-Certified
- Hard shell housing

Hex Assembly pin

Round shank assembly
mandrel

*Optional
Item No.: CK10AC-Hex

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„Recoil“

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Recoil Tangless ®

Machines thread inserts for series production

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Recoil Tangless ®
threaded inserts

Recoil Tangless inserts the next step in the development of wire thread inserts

Wichtigste Vorteile:

Verbesserte Installationsgeschwindigkeit

- Nach der Installation des Einsatzes muss kein Zapfen abgebrochen werden, sodass eine Phase des Installationsprozesses entfällt; ideal für die automatische Installation bei Anwendungen mit großen Stückzahlen.
- Der Zapfen muss nach der Installation nicht gesucht werden, sodass kein Staubsaugen, Herausziehen oder Zählen der entfernten Zapfen notwendig ist.
- Aufgrund des bidirektionalen Designs ist keine Eindrehorientierung notwendig. Die zeitaufwändige Prüfung der Einsätze vor jeder Installation ist nicht notwendig.

Anpassung der Installation und Flexibilität beim Entfernen

- Zapfenlose Einsätze können leicht justiert, oder nach der ersten Installation wieder entfernt werden, indem Sie das Installationswerkzeug wieder einführen und drehen oder das Ausdrehwerkzeug einführen und zurückdrehen.
- Die Werkzeuge zum Entfernen der zapfenlosen Einsätze berühren die Anwendung nie, sodass keine Schäden wie bei herkömmlichen Entfernungsverfahren auftreten.

Keine Beschädigung fremder Objekte

- Lose Zapfen können das fertige Produkt nicht beschädigen.

In Kombination mit allen Vorteilen der Standard-Drahtgewindeeinsätze von Recoil

Drahtgewindeeinsätze werden benutzt, um Gewinde zu verstärken und die Lebensdauer der Anwendungen zu verlängern. Jeder Einsatz verteilt das Gewicht über den gesamten Bolzen und die Bohrung, sodass der Halt oder der Widerstand beim Herausziehen verbessert wird. Mit der Installation eines Recoil Einsatzes kann eine gleichmäßigere Verteilung der Belastung erreicht werden.

Folgende Arten von Recoil Tangless Einsätzen sind verfügbar:

Frei laufende Einsätze

Auch mit einfachem Handwerkzeug schnell und einfach zu installieren.
Für starke Gewinde in wenig starken Materialien.

Selbstsichernde Einsätze

Geeignet für die Befestigung von Schrauben und Bolzen unter stärksten Vibrationsverhältnissen und bei unterschiedlichen Temperaturbedingungen. Der Einsatz enthält eine Reihe von unterschiedlichen Sicherungsvorrichtungen, die beim Eindrehen einer Schraube oder eines Bolzens radial auseinander gehen, um die Installation des Bolzens zu ermöglichen. Bei der Einführung des Bolzens werden diese geraden Elemente nach außen gebogen und üben Druck auf den Bolzen aus. Dieser Druck wird auf die Seiten des Bolzengewindes ausgeübt, so dass die Kontaktfläche maximiert wird.

Strip-Feed Einsätze

In Verbindung mit dem pneumatischen Installationswerkzeug von Recoil wird jeder Einsatz in einem Plastikstreifen gehalten, der durch einen Schlitz auf der Vorderseite der Installationsnase eingeführt wird. So wird die Produktion mit erhöhten Installationszyklen optimiert und der Anwender nicht so leicht müde.

Tangless Einsätze sollen die spiralförmigen Kupfereinsätze mit Zapfen MA3279 bis MA3281 (Standardgewinde) und MA3329 bis MA3331 (Schließgewinde) ersetzen. Inch MS122076 bis MS124690 (frei laufend) und NASM21209 (Selbstsichernd). Sie werden in Standard STI Löcher mit MA1567 und MIL-I-8846 installiert. Installierte Einsätze sind ein fertiges Gewinde entsprechend den Anforderungen von FED-STD-H28, M Profil, Toleranzklassen 4H oder 5H, sowie metrischen Gewindespezifikationen nach ISO oder MJ Bolzen- und Schraubenprofilen.

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Recoil Tangless ®
threaded inserts

Recoil thread insert part numbering system

Recoil insert product part numbering system uses a logically structured 5 digit basic part number.
Suffixes are typically added to differentiate between special or non-standard features.
This guide defines the structure of Recoil part numbers and may be used for reference to identify a Recoil insert from ist part number.

*Please refer to the technical catalogue for information on taps and thread gauges.

Diagram of Recoil Insert Part Number Example

TL 0 5 0 8 2 Y A G

Tangless

First Digit = Product Group
0 = Inserts Bulk - Free Running
1 = Inserts Bulk - Self Locking
2 = Insert Packets (Free running only)

Second Digit = Thread Type
0 = BSF, BA
1 = BSP
2 = BSW
3 = UNC
4 = UNF, UNEF, UNS, ETC.
5 = Metric Coarse
6 = NPT, BSC, 8UN
7 = Metric Medium
8 = Metric Fine & Spark-Plug
9 = Tang break tool

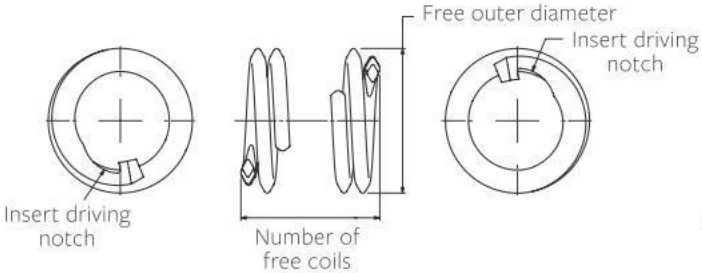
Example: **05082YAG** = **M8-1.25 X 1D 316SS**, Silver Plated Insert

Third and Fourth Digit = Thread Diameter
0 = size in 1/16"s (ie 08 = 1/2")
1 = size in 1/16"s (ie 08 = 1/2")
2 = size in 1/16"s (ie 08 = 1/2")
3 = size in 1/16"s (ie 08 = 1/2")
4 = size in 1/16"s (ie 08 = 1/2")
5 = size in 1mm's (ie 08 = 8mm)
6 = size in 1/16"s (ie 08 = 1/2")
7 = size in 1mm's (ie 08 = 8mm)
8 = size in 1mm's (ie 08 = 8mm)

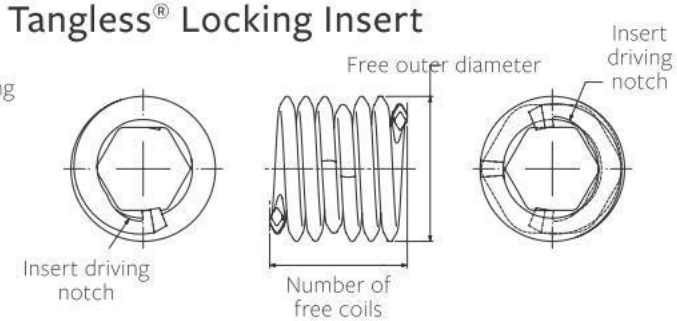
Fifth Digit = Length
Length in 1/2 Diameters
2 = 1D
3 = 1.5D
4 = 2D
5 = 2.5D
6 = 3D

Special Suffixes
AG = Silver plated
C = Cadmium plated
D = Dry film lubrication
LH = Left Hand
P = Phosphor Bronze
SF = Strip Feed
T = Nitronic 60
X = Inconel X750
Y = 316 Stainless Steel
V = Passivate
Z = Zinc Nickel

Tangless® Free Running Insert



Tangless® Locking Insert



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Recoil Tangless ®
threaded inserts

Metric standard threads „Tangless"

Wire thread inserts "free-running" and "self-locking"
Set taps Contents:
- Pre-cutting medium and finishing taps

Thread inside- Ø	Art. no.		Lengths		Core- Ø	Outside- Ø	Taps
	Free running	Locking	D	mm	Spiral drill Ø in mm	in mm	Art. no.
M2 x 0,4	TL05022	-	1D	2,0	2,10	-	45024
	TL05023	-	1,5D	3,0			45025
	TL05024	-	2D	4,0			45026
M2,5-0,45	TL05252	-	1D	2,5	2,60	3,08	45254
	TL05253	-	1,5D	3,8			45255
	TL05254	-	2D	5,0			45256
	TL05255	-	2,5D	6,3			
	TL05256	-	3D	7,5			
3 x 0,5	TL05032	TL15032	1D	3,0	3,10	3,65	45034
	TL05033	TL15033	1,5D	4,5			45035
	TL05034	TL15034	2D	6,0			45036
	TL05035	TL15035	2,5D	7,5			
	TL05036	TL15036	3D	9,0			
M4 x 0,7	TL05042	TL15042	1D	4,0	4,10	4,91	45044
	TL05043	TL15043	1,5D	6,0			45045
	TL05044	TL15044	2D	8,0			45046
	TL05045	TL15045	2,5D	10,0			
	TL05046	TL15046	3D	12,0			
M5 x 0,8	TL05052	TL15052	1D	5,0	5,20	6,04	45054
	TL05053	TL15053	1,5D	7,5			45055
	TL05054	TL15054	2D	10,0			45056
	TL05055	TL15055	2,5D	12,5			
	TL05056	TL15056	3D	15,0			
M6 x 1,0	TL05062	TL15062	1D	6,0	6,20	7,30	45064
	TL05063	TL15063	1,5D	9,0			45065
	TL05064	TL15064	2D	12,0			45066
	TL05065	TL15065	2,5D	15,0			
	TL05066	TL15066	3D	18,0			
M8 x 1,25	TL05082	TL15082	1D	8,0	8,20	-	45084
	TL05083	TL15083	1,5D	12,0			45085
	TL05084	TL15084	2D	16,0			45086
	TL05085	TL15085	2,5D	20,0			
	TL05086	TL15086	3D	24,0			
M10 x 1.5	TL05102	TL15102	1D	10,0	10,30	11,95	45104
	TL05103	TL15103	1,5D	15,0			45105
	TL05104	TL15104	2D	20,0			45106
	TL05105	TL15105	2,5D	25,0			
	TL05106	TL15106	3D	30,0			
M12 x 1,75	TL05122	TL15122	1D	12,0	12,40	14,27	45124
	TL05123	TL15123	1,5D	18,0			45125
	TL05124	TL15124	2D	24,0			45126
	TL05125	TL15125	2,5D	30,0			
	TL05126	TL15126	3D	36,0			
M14 x 2,0	TL05142	-	1D	14,0	14,40	16,60	45144
	TL05143	-	1,5D	21,0			45145
	TL05144	-	2D	28,0			45146
M16 x 2,0	TL05162	-	1D	16,0	16,50	18,60	45164
	TL05163	-	1,5D	24,0			45165
	TL05164	-	2D	32,0			45166

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Recoil Tangless ®
threaded inserts

American coarse thread (UNC)

Wire thread inserts "free-running" and "self-locking
Set taps Contents:
- Pre-cutting medium and finishing taps

Thread inside- Ø	Art. no.		Lengths		Core-Ø	Outside-Ø	Taps
	Free running	Locking	D	mm	Spiral drill Ø in mm	in mm	Art. no.
2 -56	TL03522	TL13522	1D	2,0	2,3	2,84	43524 43525 43526
	TL03523	TL13523	1,5D	3,0			
	TL03524	TL13524	2D	4,0			
	TL03525	TL13525	2,5D	5,0			
	TL03526	TL13526	3D	6,0			
4 -40	TL03542	TL13542	1D	2,5	3,0	3,67	43544 43545 43546
	TL03543	TL13543	1,5D	3,8			
	TL03544	TL13544	2D	5,0			
	TL03545	TL13545	2,5D	6,3			
	TL03546	TL13546	3D	7,5			
6 -32	TL03562	TL13562	1D	3,5	3,7	4,54	43564 43565 43566
	TL03563	TL13563	1,5D	5,3			
	TL03564	TL13564	2D	7,0			
	TL03565	TL13565	2,5D	8,8			
	TL03566	TL13566	3D	10,5			
8 -32	TL03582	TL13582	1D	4,0	4,4	5,20	43584 43585 43586
	TL03583	TL13583	1,5D	6,0			
	TL03584	TL13584	2D	8,0			
	TL03585	TL13585	2,5D	10,0			
	TL03586	TL13586	3D	12,0			
10 -24	TL03602	TL13602	1D	5,0	5,0	6,20	43604 43605 43606
	TL03603	TL13603	1,5D	7,5			
	TL03604	TL13604	2D	10,0			
	TL03605	TL13605	2,5D	12,5			
	TL03606	TL13606	3D	15,0			
1/4 -20	TL03042	TL13042	1D	7,0	6,7	8,00	43044 43045 43046
	TL03043	TL13043	1,5D	10,5			
	TL03044	TL13044	2D	14,0			
	TL03045	TL13045	2,5D	17,5			
	TL03046	TL13046	3D	21,0			
5/16 -18	TL03052	TL13052	1D	8,0	8,3	9,77	43054 43055 43056
	TL03053	TL13053	1,5D	12,0			
	TL03054	TL13054	2D	16,0			
	TL03055	TL13055	2,5D	20,0			
	TL03056	TL13056	3D	24,0			
3/8 -16	TL03062	TL13062	1D	10,0	9,9	11,59	43064 43065 43066
	TL03063	TL13063	1,5D	15,0			
	TL03064	TL13064	2D	20,0			
	TL03065	TL13065	2,5D	25,0			
	TL03066	TL13066	3D	30,0			
1/2 -13	TL03082	TL13082	1D	11,0	13,0	15,24	43084 43085 43086
	TL03083	TL13083	1,5D	16,5			
	TL03084	TL13084	2D	22,0			
	-	TL13085	2,5D	27,5			
	-	-	3D	33,0			

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Recoil Tangless ®
threaded inserts

American fine thread (UNF)

Wire thread inserts "free-running" and "self-locking"
Set taps Contents:
- Pre-cutting medium and finishing taps

Thread inside- Ø	Art. no.		Lengths		Core- Ø	Outside- Ø	Taps
	Free running	Locking	D	mm	Spiral drill Ø in mm	in mm	Art. no.
10 -32	TL04602	TL14602	1D	5,0	5,1	5,86	44604 44605 44606
	TL04603	TL14603	1,5D	7,5			
	TL04604	TL14604	2D	10,0			
	TL04605	TL14605	2,5D	12,5			
	TL04606	TL14606	3D	15,0			
1/4 -28	TL04042	TL14042	1D	7,0	6,6	7,53	44044 44045 44046
	TL04043	TL14043	1,5D	10,5			
	TL04044	TL14044	2D	14,0			
	TL04045	TL14045	2,5D	17,5			
	TL04046	TL14046	3D	21,0			
5/16 -24	TL04052	TL14052	1D	8,0	8,2	9,31	44054 44055 44056
	TL04053	TL14053	1,5D	12,0			
	TL04054	TL14054	2D	16,0			
	TL04055	TL14055	2,5D	20,0			
	-	TL14056	3D	24,0			
3/8 -24	TL04062	TL14062	1D	10,0	9,8	10,90	44064 44065 44066
	TL04063	TL14063	1,5D	15,0			
	TL04064	TL14064	2D	20,0			
	-	TL14065	2,5D	25,0			
	-	TL14066	3D	30,0			

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Recoil Tangless ®
threaded inserts

Metric threads (taped)
Wire thread inserts "free-running" and "self-locking"

Thread inside- Ø	Art. no.		Lengths		Core- Ø	Outside- Ø in mm	Taps	Rolls Ø in mm	Inserts per strap
	Free running	Locking	D	mm	Spiral drill Ø in mm		Art. no.		
M2,5 x 0,45	TL05252SF	TL15252SF	1D	2,5	2,6	-	45015	200	1000
	TL05253SF	TL15253SF	1,5D	3,8					
	TL05254SF	TL15254SF	2D	5,0					
M3 x 0,5,	TL05032SF	TL15032SF	1D	3	3,10	3,65	45035	200	1000
	TL05033SF	TL15033SF	1,5D	4,5					
	05034	15034	2D	6,0				290	
	05035	15035	2,5D	7,5					
M3,5 x 0,6	TL05352SF	TL15352	1D	3,5	3,60	4,28	45355	200	1000
	TL05353SF	TL15353	1,5D	5,3					
M4 x 0,7	TL05042SF	TL15042SF	1D	4,0	4,10	4,91	45045	200	1000
	TL05043SF	TL15043SF	1,5D	6,0					
	TL05044SF	TL15044SF	2D	8,0				290	
	TL05045SF	TL15045SF	2,5D	10,0					500
	TL05046SF	TL15046SF	3D	12,0					
M5 x 0,8	TL05052SF	TL15052SF	1D	5,0	5,2	6,04	45055	290	1000
	TL05053SF	TL15053SF	1,5D	7,5					
	TL05054SF	TL15054SF	2D	10,0					500
	TL05055SF	TL15055SF	2,5D	12,5					
M6 x 1,0	TL05062SF	TL15062SF	1D	7,0	6,20	7,30	45065	200	500
	TL05063SF	TL15063SF	1,5D	10,5					
	TL05064SF	TL15064SF	2D	14,0				290	
	TL05065SF	TL15065SF	2,5D	15,0					
M8 x 1,25	TL05082SF	TL15082SF	1D	8,0	8,30		45075	290	500
	TL05083SF	TL15083SF	1,5D	12,5				385	
	TL05084SF	TL15084SF	2D	16,0					
M10 x 1.5	TL05102	TL15102SF	1D	10,0	10,30	11,95	45105	385	500
	TL05103	TL15103SF	1,5D	15,0					
	TL05104	TL15104SF	2D	20,0					
M12 -1,75	TL05122SF	TL15122SF	1D	8,0	12,40	14,27	45125	290	125
	TL05123SF	TL15123SF	1,5D	12,0					
	TL05124SF	TL15124SF	2D	16,0					

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Recoil Tangless ®
threaded inserts

„ inch UNC" (taped)
Wire thread inserts "free-running" and "self-locking"

Thread inside- Ø	Art. no.		Lengths		Core-Ø	Outside-Ø in mm	Taps	Rolls Ø in mm	Inserts per strap
	Free running	Locking	D	mm	Spiral drill Ø in mm		Art. no.		
2- 56	03522SF	13522SF	1D	2,0	2,3	2,84	43525	200	1000
	03523SF	13523SF	1,5D	3,0					
	03524SF	13524SF	2D	4,0					
3- 48	03532SF	13532SF	1D	2,2	2,7	-	43535	200	1000
	03533SF	13533SF	1,5D	3,3					
	03534SF	13534SF	2D	4,4					
4- 40	03542SF	13542SF	1D	2,5	3,0	-	43545	200	1000
	03543SF	13543SF	1,5D	3,8					
	03544SF	13544SF	2D	5,0				290	
5- 40	03552SF	13552SF	1D	2,5	3,1	3,67	43545	200	1000
	03553SF	13553SF	1,5D	3,8					
	03554SF	13554SF	2D	5,0					
6- 32	03562SF	13562SF	1D	3,5	3,4	4,00	43555	200	1000
	03563SF	13563SF	1,5D	5,3				290	
	03564SF	13564SF	2D	7,0					
8- 32	03582SF	13582SF	1D	4,0	4,4	-	43585	290	1000
	03583SF	13583SF	1,5D	6,0					
	03584SF	13584SF	2D	8,0					
10- 24	03602SF	13602SF	1D	5,0	3,8	4,54	43565	290	1000
	03603SF	13603SF	1,5D	7,5					500
	03604SF	13604SF	2D	10,0					
1/4- 20	03042SF	13042SF	1D	7,0	6,7	8,00	43045	290	500
	03043SF	13043SF	1,5D	10,5					
	03044SF	13044SF	2D	14,0					250
5/16- 18	03052SF	13052SF	1D	8,0	8,3	-	43055	290	250
	03053SF	13053SF	1,5D	12,0					
	03054SF	13054SF	2D	16,0					

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Recoil Tangless ®
threaded inserts

Hand Tools „Tangless"

Thread inside- Ø	Inserting tool	Spare latch	Removing tool
Metric			
M2 x 0,4	-	-	50002
M2.2 x 0,45	-	-	
M2.5 x 0,45	TL55251	TL55252K	
M3 x 0,5	TL55031	TL55032K	
M3.5 x 0,6	-	-	
M4 x 0,7	TL55041	TL55042K	
M5 x 0,8	TL55051	TL55052K	50003
M6 x 1,0	TL55061	TL55062K	
M7 x 1,0	-	-	
M8 x 1,25	TL55081	TL55082K	
M10 x 1,5	TL55101	TL55102K	
M12 x 1,75	TL55121	TL55122K	
UNC			
2-56	TL53521	TL53522K	50002
4-40	TL53541	TL53542K	
6-32	TL53561	TL53562K	
8-32	TL53581	TL53582K	
10-24	TL53601*	TL53602K*	
1/4-20	TL53041*	TL53042K*	
5/16-18	TL53051*	TL53052K*	
3/8-16	TL53061*	TL53062K*	
UNF			
10-32	TL54601	TL54602K	50002
1/4-28	TL54041	TL54042K	
5/16-24	TL54051*	TL54052K*	
3/8-24	TL54061*	TL54062K*	

*on request

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Recoil Tangless ®
threaded inserts

HEX Assembly tool „Tangless"

can be used with:

Star handle
"electric" tool REC-12
"Pneumatic" Tool REC-10K
"battery operated" tool REC-20

„Freewheeling and self-locking"

Thread inside- Ø	Art. no.			Lengths
	Free running	Locking	Spare latch	mm
Metric				
M2,5 x 0,45	TL55257	TL55257L*	TL55252K	69
M3 x 0,5	TL55037	TL55037L*	TL55032K	69
M4 x 0,7	TL55047	TL55047L*	TL55042K	76
M5 x 0,8	TL55057	TL55057L*	TL55052K	79
M6 x 1,0	TL55067	TL55067L*	TL55062K	78
M8 x 1,25	TL55087	TL55087L*	TL55082K	99
M10 x 1.5	TL55107	TL55107L*	TL55102K	105
M12 x 1.75	TL55127	TL55127L*	TL55122K	115
UNC				
2-56	TL53527	TL53527	TL53522K	70
4-40	TL53547	TL53547	TL53542K	72
6-32	TL53567	TL53567	TL53562K	76
8-32	TL53587	TL53587	TL53582K	76
10-24	TL53607*	TL53607*	TL53602K*	68
1/4-20	TL53047*	TL53047*	TL53042K*	61
5/16-18	TL53057	TL53057	TL53052K	89
3/8-16	TL53067	TL53067	TL53062K	94
UNF				
10-32	TL54607	TL54607L	TL54602K	73

* On request

Star handle for hexagonal insertion tools

	Art. no.
Star handle	PW3SK

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Recoil Tangless ®
threaded inserts

Manual installation tool „Tangless"

„Free running and self-locking"

Thread inside- Ø	Art. no.			Lengths
	Free running	Locking	Replacement Pawl kit	mm
Metric				
M2,5 x 0,45	TL55257GH	TL55257LGH*	TL55252K	69
M3 x 0,5	TL55037GH	TL55037LGH*	TL55032K	69
M4 x 0,7	TL55047GH	TL55047LGH*	TL55042K	76
M5 x 0,8	TL55057GH	TL55057LGH*	TL55052K	79
M6 x 1,0	TL55067GH	TL55067LGH*	TL55062K	78
M8 x 1,25	TL55087GH	TL55087LGH*	TL55082K	99
M10 x 1,5	TL55107GH	TL55107LGH*	TL55102K	105
M12 x 1,75	TL55127GH	TL55127LGH*	TL55122K	115
UNC				
2-56	TL53527GH	TL53527	TL53522K	70
4-40	TL53547GH	TL53547	TL53542K	72
6-32	TL53567GH	TL53567	TL53562K	76
8-32	TL53587GH	TL53587	TL53582K	76
10-24	TL53607GH*	TL53607*	TL53602K*	68
1/4-20	TL53047GH*	TL53047*	TL53042K*	61
5/16-18	TL53057GH	TL53057	TL53052K	89
3/8-16	TL53067GH	TL53067	TL53062K	94
UNF				
10-32	TL54607GH	TL54607LGH	TL54602K	

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Handle for insertion tools

Art. no.	
handle	TL5000

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Recoil Tangless ®
threaded inserts

„Automatic" tools

to be used with: „Pneumatic" tool REC-10
„Electric" tool REC-12

Thread inside- Ø	Preload sleeve with mandrel (FEA)	Replacement Pawl kit	small Adapter	large adapter	HEX-Adapter	Drive
Metric						
M2,5- 0,45	TL55250	TL55252K	M8550R	-	-	REC-10
M3- 0,5	TL55030	TL55032K				
M4- 0,7	TL55040	TL55042K				
M5- 0,8	TL55050	TL55052K				
M6- 1	TL55060	TL55062K				
M8- 1,25	TL55080	TL55082K	-	M85501R		
M10- 1,5	TL55100*	TL55102K*				
M12- 1,75	TL55120*	TL55122K*				
UNC						
2- 56	TL53520	TL53522K	M8550R	-	-	REC-10
4- 40	TL53540	TL53542K				
6- 32	TL53560	TL53562K				
8- 32	TL53580	TL53582K				
10- 24	TL53600*	TL53602K*				
1/4- 20	TL53040*	TL53042K*				
5/16- 18	TL53050*	TL53052K	-	M85501R		
3/8- 16	TL53060*	TL53062K				
UNF						
10- 32	TL54600	TL54602K	M8550R	-	-	REC-10
1/4- 28	TL54040	TL54042K				
5/16- 24	TL54050	TL54052K	-	M85501R		
3/8- 24	TL54060	TL54062K				
HEX-Metric						
M2,5- 0,45	TL55250E*	TL55252K	-	-	HEX Adapter	REC-10 REC-12
M3- 0,5	TL55030E*	TL55032K				
M4- 0,7	TL55040E*	TL55042K				
M5- 0,8	TL55050E*	TL55052K				
M6- 1	TL55060E*	TL55062K				
HEX-UNC						
2- 56	TL53520E*	TL53522K	-	-	HEX Adapter	REC-10 REC-12
4- 40	TL53540E*	TL53542K				
6- 32	TL53560E*	TL53562K				
8- 32	TL53580E*	TL53582K				
10- 24	TL53600E*	TL53602K*				
1/4- 20	TL53040E*	TL53042K*				
HEX-UNF						
10- 32	TL54600E*	TL54602K	-	-	HEX Adapter	REC-10 REC-12
1/4- 28	TL54040E*	TL54042K				

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Recoil Tangless ®
threaded inserts

REC-10K
Pneumatic tool

For installation of Tanged and Tangless thread inserts.
The REC-10K with air motor contains small and large attachments for Recoil applications (FEA-Front End Assembly) from M2.5 to M16 or 2-56 - 5/8" and an attachment suitable for 1/4" drive mandrel.
- Standard 1/4" HEX actuator size range
M2 - M12/ 2-56 - 1/2
- small adapter size range (FEA)
M2.5 - M6/ 2-56 - 1/4"
- Large adapter size range (FEA)
M8/ 5/16"- 3/4"
- CE-certified

REC-12
elektric tool

The REC-12 electric tool is designed for small and large production quantities and can be designed for loose or taped Recoil, Tanged and Tangless inserts can be used.

Main features:
- Light
- Auto reverse function
- Suitable for Tanged and Tangless thread inserts and tools
- Loose or belted - usable for HEX (FEA-Front- End-Assembly)
- Can be used up to M6 or 1/4"
- low and high-speed function
- CE- Certified

Recoil Tangless ®
threaded inserts

REC-10K
automatic tool
Case contents:

Content	Quantity
Standard 1/4" Hex drive	1
Suitable small adapter (FEA)	1
Suitable large adapter (FEA)	1
Air regulator	1
Lubrication	1
Gauge	1
Hose	1
Screwdriver	1
Wrench for adapter	2
Manual with parts list	1

Air regulator/
Lubricator

gauge

HEX
Adaptor

small
Adaptor

large Adaptor

Front tool (FEA)

Spacers

Spacers

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Recoil Tangless ®
threaded inserts

REC-20
Battery Driver

The REC-20 a lightweight, portable, battery operated tool
for small productions and difficult to reach threaded holes.
Works vertically and horizontally in 2 speed levels.
Suitable for Recoil Tanged and Tangless inserts (M2 - M6 or 2-56 - 1/4").

- Inclusive spare battery
- Suitable for 1/4" Hex or round shank
- Forward and backward direction
- Coupling torque controller
- CE-certified
- Hard shell housing

Tanged- Hex Assembly pin

Tangless - Hex Assembly pin

Round shank assembly mandrel
can be used with
CK10AC-Hex

*Optional
Item No.: CK10AC-Hex

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HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

SNEP self locking nuts

General Industry

Wind-mill

Automotive Industry

Rail

Aero-space

Agricultural maschines

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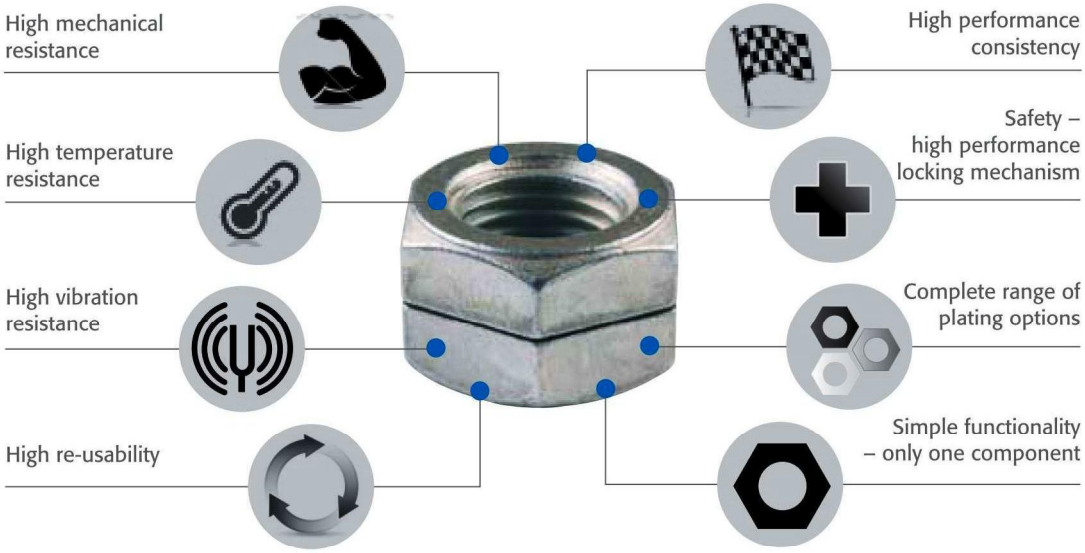
SNEP self locking nuts

The SNEP self locking nut

The original single slotted self-locking nut developed in1954 is still available today alongside a wider range of self-locking nuts including the double slotted nut. Despite major advances in technology, the single-slotted self locking nut still outperforms its rivals in performance – sometimes simplicity is better. SNEP slotted nuts combine both extreme strength with re-usability so you can rely on it time and time again.

SNEP slotted nuts offer the following features and benefits:



Principle mechanical function:

The self-locking function is obtained by an axial deformed slot.

The metal above the slot is set to de-pitch the threads so that when the nut is tightened on to a bolt, the thread is gripped on the flank.

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SNEP self locking nuts

ESN - H100

- Single locking slot – simple but incredibly effective
- Reversible: Locking slot at 1/2 nut height
- Re-usable up to 5 times with minimal performance loss (ISO2320)
- Class 6 & 8
- Suitable for automatic installation

ESN - H130

- Single locking slot – simple but incredibly effective
- Locking slot at 2/3 nut height
- Re-usable up to 5 times with minimal performance loss (ISO2320)
- Class 6, 8 & 10
- Made to ISO 7042 standard
- CF 00-040 European rail standard certified

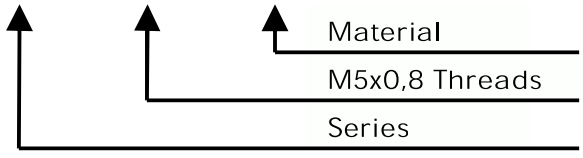
The international Standard ISO 2320 determine functional properties for nuts with clamping parts. They are tested in an ambient temperature range of +10°C to +35°C. It contains a single test to determination of the clamping characteristics (functional properties) and/ or the torque-/ preload force characteristics.
The Norm applies to all-metal nuts with clamping parts in the temperature range of -50°C to +150°C.

Materials and coatings:

Steel grades 5.8	(zinc plated CrVI-free passivated)	R60
Steel grades 8.8	(zinc plated CrVI-free passivated)	R80
Stainless steel V2A	(Rm=700N/mm²) (against stainless steel grub)	2A-70
Stainless steel V4A	(Rm=800N/mm²) (against stainless steel grub)	4A-80

Ordering example:

Art.no. ESNH100 M5X80 R80Z



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ESN H100/ Stainless steel V2A (against stainless steel grub)

Single slot- at 1/2 nut height

Threads	Article no.	Dimensions	
		Height	SW
M4	ESNH100M4X70A2	4	7
M5	ESNH100M5X80A2	5	8
M6	ESNH100M6X100A2	6	10
M8	ESNH100M8X125A2	8	13
M10	ESNH100M10X150A2	10	16
M12	ESNH100M12X175A2	12	18
M14	ESNH100M14X200A2	14	21
M16	ESNH100M16X200A2	16	24
M18	ESNH100M18X250A2	18	27
M20	ESNH100M20X250A2	20	30
M22	ESNH100M22X250A2	22	34
M24	ESNH100M24X300A2	24	36
M27	ESNH100M27X300A2	27	41

ESN H100/ Stainless steel V4A (against stainless steel grub)

Single slot- at 1/2 nut height

Gewinde	Artikel Nr.	Abmessungen	
		Höhe	SW
M4	ESNH100M4X70A4	4	7
M5	ESNH100M5X80A4	5	8
M6	ESNH100M6X100A4	6	10
M8	ESNH100M8X125A4	8	13
M10	ESNH100M10X150A4	10	16
M12	ESNH100M12X175A4	12	18
M14	ESNH100M14X200A4	14	21
M16	ESNH100M16X200A4	16	24
M18	ESNH100M18X250A4	18	27
M20	ESNH100M20X250A4	20	30
M22	ESNH100M22X250A4	22	34
M24	ESNH100M24X300A4	24	36
M27	ESNH100M27X300A4	27	41

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ESN H100/ R60 (zinc plated CrVI-free passivated)

Single slot- at 1/2 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH100M5X80R60Z	5	8
M6	ESNH100M6X100R60	6	10
M8	ESNH100M8X125R60	8	13
M10	ESNH100M10X150R6	10	16
M12	ESNH100M12X175R6	12	18
M14	ESNH100M14X200R6	14	21
M16	ESNH100M16X200R6	16	24
M18	ESNH100M18X250R6	18	27
M20	ESNH100M20X250R6	20	30
M22	ESNH100M22X250R6	22	34
M24	ESNH100M24X300R6	24	36
M27	ESNH100M27X300R6	27	41

ESN H100/ R80 (zinc plated CrVI-free passivated)

Single slot- at 1/2 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH100M5X80R80Z	5	8
M6	ESNH100M6X100R80	6	10
M8	ESNH100M8X125R80	8	13
M10	ESNH100M10X150R8	10	16
M12	ESNH100M12X175R8	12	18
M14	ESNH100M14X200R8	14	21
M16	ESNH100M16X200R8	16	24
M18	ESNH100M18X250R8	18	27
M20	ESNH100M20X250R8	20	30
M22	ESNH100M22X250R8	22	34
M24	ESNH100M24X300R8	24	36
M27	ESNH100M27X300R8	27	41

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ESN H130/ Stainless steel V2A (against stainless steel grub)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M4	ESNH130M4X70A2	5,2	7
M5	ESNH130M5X80A2	6,5	8
M6	ESNH130M6X100A2	7,8	10
M8	ESNH130M8X125A2	10,4	13
M10	ESNH130M10X150A2	13	16
M12	ESNH130M12X175A2	15,6	18
M14	ESNH130M14X200A2	18,2	21
M16	ESNH130M16X200A2	20,8	24
M18	ESNH130M18X250A2	23,4	27
M20	ESNH130M20X250A2	26	30
M22	ESNH130M22X250A2	28,6	34
M24	ESNH130M24X300A2	31,2	36
M27	ESNH130M27X300A2	35,1	41

Special sizes (M30-M80) on request.

ESN H130/ Stainless steel V4A (against stainless steel grub)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M4	ESNH130M4X70A4	5,2	7
M5	ESNH130M5X80A4	6,5	8
M6	ESNH130M6X100A4	7,8	10
M8	ESNH130M8X125A4	10,4	13
M10	ESNH130M10X150A4	13	16
M12	ESNH130M12X175A4	15,6	18
M14	ESNH130M14X200A4	18,2	21
M16	ESNH130M16X200A4	20,8	24
M18	ESNH130M18X250A4	23,4	27
M20	ESNH130M20X250A4	26	30
M22	ESNH130M22X250A4	28,6	34
M24	ESNH130M24X300A4	31,2	36
M27	ESNH130M27X300A4	35,1	41

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ESN H130/ R60 (zinc plated CrVI-free passivated)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH130M5X80R60Z	6,5	8
M6	ESNH130M6X100R60	7,8	10
M8	ESNH130M8X125R60	10,4	13
M10	ESNH130M10X150R6	13	16
M12	ESNH130M12X175R6	15,6	18
M14	ESNH130M14X200R6	18,2	21
M16	ESNH130M16X200R6	20,8	24
M18	ESNH130M18X250R6	23,4	27
M20	ESNH130M20X250R6	26	30
M22	ESNH130M22X250R6	28,6	34
M24	ESNH130M24X300R6	31,2	36
M27	ESNH130M27X300R6	35,1	41

Special sizes (M30-M80) on request.

ESN H130/ R80 (zinc plated CrVI-free passivated)

Single slot- at 2/3 nut height

Threads	Article no.	Dimensions	
		Height	SW
M5	ESNH130M5X80R80Z	6,5	8
M6	ESNH130M6X100R80	7,8	10
M8	ESNH130M8X125R80	10,4	13
M10	ESNH130M10X150R8	13	16
M12	ESNH130M12X175R8	15,6	18
M14	ESNH130M14X200R8	18,2	21
M16	ESNH130M16X200R8	20,8	24
M18	ESNH130M18X250R8	23,4	27
M20	ESNH130M20X250R8	26	30
M22	ESNH130M22X250R8	28,6	34
M24	ESNH130M24X300R8	31,2	36
M27	ESNH130M27X300R8	35,1	41

Special sizes (M30-M80) on request.

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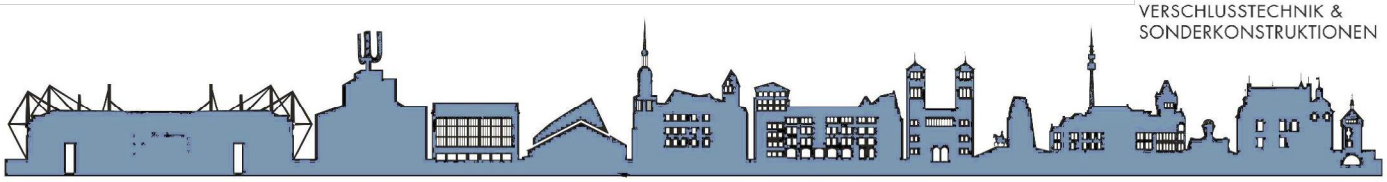

FOLDER 7 SUNDRIES

FOLDER 1 LATCHES

FOLDER 2 TENSION BANDS

FOLDER 3 HANDLES

FOLDER 4 HINGES

FOLDER 5 LOCKING DEVICES

FOLDER 6 THREADED INSERTS

FOLDER 7 SUNDRIES

SUITCASE CORNERS.....

LINCH PINS, HOSE CLIPS AND R-CLIPS.....

SPRING CLIPS.....

EDGE PROTECTORS.....

RUBBER BUMP.....

- RUBBER-METAL-BUFFER.....
- SELF ADHESIVE RUBBER BUFFERS.....

GENERAL TERMS AND CONDITIONS.....

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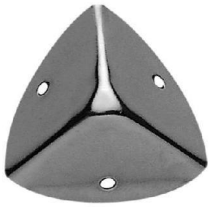
Suitcase corners



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Suitcase Corners

„Sharp" (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Nickel plated Steel	Size	Hole Ø
8001	.01	.01	20x20	2,5
	.02	.01	20x20	3,5
8005	.01	.01	27x27	2,5
	.02	.01	27x27	3,5
	.03	.01	27x27	4,0
	.04	.01	27x27	4,5
8010	.01	.01	32x32	3,5
	.02	.01	32x32	2,5
	.03	.01	32x32	4,25
8015	.01	.01	35x35	3,5
	.02	.01	35x35	4,25
8025	.01	.01	45x45	4,25

„Dulled" (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Nickel plated Steel	Size	Hole Ø
8095	.01	.01	16x16	1,1
8030	.01	.01	20x20	2,5
	.02	.01	20x20	3,5
8035	.01	.01	27x27	2,5
	.02	.01	27x27	3,5
	.03	.01	27x27	4,0
	.04	.01	27x27	4,5
8040	.01	.01	32x32	3,5
	.02	.01	32x32	2,5
	.03	.01	32x32	4,25
8041	.01	.01	32x32	3,5
	.02	.01	32x32	2,5
	.03	.01	32x32	4,25
8045	.01	.01	35x35	4,25
8050	.01	.01	40x40	4,25
	.02	.01	40x40	5,5
8055	.01	.01	50x50	4,5

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Suitcase Corners

„Dulled" (drilled)

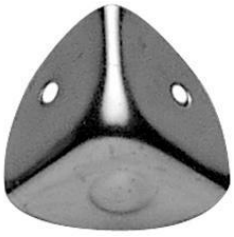
Article no.			Dimensions in mm	
Series	Execution	Material Nickel plated Steel	Size	Hole Ø
8070	.01	.01	20x20	2,5
8085	.01	.01	32x32	3,5
8090	.01	.01	45x45	4,2

„Dulled" (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Chromated Steel	Size	Hole Ø
8100	.01	.03	28x28	4,2
8105	.01	.03	32x32	4,2
8110	.01	.03	40x40	4,2

„Dulled" (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Nickel plated Steel	Size	Hole Ø
8060	.01	.01	20x20	3,5
8060	.02	.01	20x20	2,5



„Dulled " (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Nickel plated Steel	Size	Hole Ø
8065	.01	.01	20x20	2,5

„Dulled "(drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Nickel plated Steel	Size	Hole Ø
8075	.01	.01	28x28	2,5

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Suitcase Corners

„Dulled " (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Nickel plated Steel	Size	Hole Ø
8080	.01	.01	28x28	2,8

Art.no. 100.C1339z (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Size	Hole Ø
100.C1339z	.01	.04	65x65	5

Art.no. 100.C1339/01z (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Size	Hole Ø
100.C1339/01z	.01	.04	50x50	5

Art.no. 100.C1375 (drilled)

Article no.				Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Raw Stainless steel	Size	Hole Ø
100.C1375	.01	.04	.30	50x50	5

Art.no. 100.C0650 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Size	Hole Ø
100.C0650	.01	.04	71,5x71,5	5

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Suitcase Corners

Art.no. 100.C1352/00/R5 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Size	Hole Ø
100.C1352/00/R5	.01	.04	50x50	5

Art.no. 100.C1079 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Size	hole Ø
100.C1079	.01	.04	49,5x49,5	5

Art.no. 100.C1080 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Size	Hole Ø
100.C1080	.01	.04	49,5x49,5	5

Art.no 100.C1081 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Zinc plated Steel	Size	Hole Ø
100.C1081	.01	.04	49,5x49,5	5

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Suitcase Corners

Art.no. 100.C1537 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Plastic ABS	Size	Hole Ø
100.C1537	.01	.87	33x55	3,5

Art.no. 100.C1536 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Plastic ABS	Size	Hole Ø
100.C1536	.01	.87	83x53	4

Art.no. 100.C1567 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Plastic ABS	Size	Hole Ø
100.C1567	.01	.87	55x35	4

Art.no. 100.C1568 (drilled)

Article no.			Dimensions in mm	
Series	Execution	Material Plastic ABS	Size	ole Ø
100.C1568	.01	.87	83x53	4

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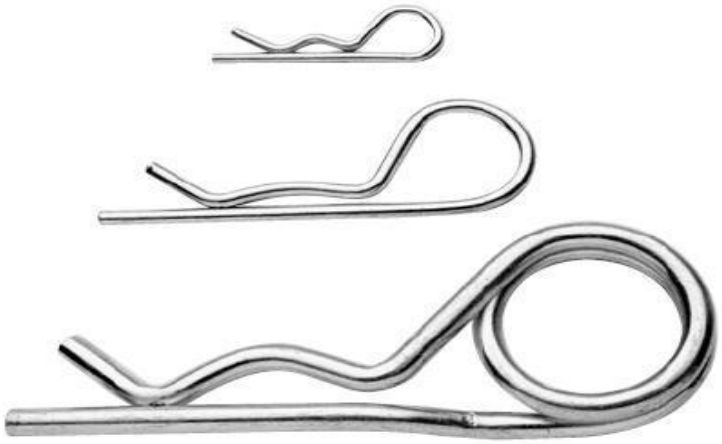
Linchpins

Hose clips

R-clip



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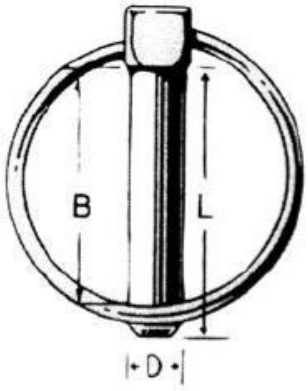
Linchpins, hose-clips and r-clips

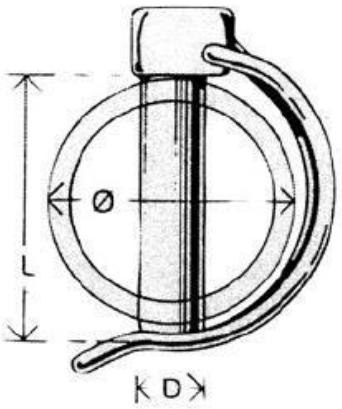
Linchpins

Article no.		Dimensions in mm		
Series	Material Zinc plated Steel	Ø D	L	B
8120	.04	4,5	40	32,5
8121	.04	5,2	32	25,5
8122	.04	6	40	32,5
8123	.04	7	40	32,5
8124	.04	8	40	32,5
8127	.04	10	45	35
8128	.04	11	45	35
8129	.04	12	45	35



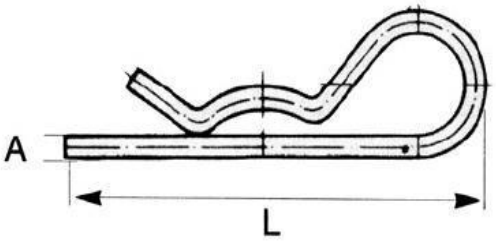
Hose clips

Article no.		Dimensions in mm		
Series	Material Zinc plated Steel	Tube Ø	Ø D	L
8130	.04	28	6,0	32
8131	.04	40	6,0	45
8132	.04	36	8,0	40
8133	.04	40	8,0	45
8134	.04	45	8,0	50
8135	.04	55	8,0	60
8136	.04	45	10,0	50
8137	.04	55	10,0	60



R-clip (simple)

Article no.			Dimensions in mm	
Series	Material		A	L
	Zinc plated Steel	Raw Stainless steel		
8102	.04	.30	2	41
8103	.04	.30	3	67
8104	.04	.30	4	75
8105	.04	.30	5	105
8106	.04	.30	6	117
8107	.04	.30	7	170
8108	.04	.30	8	155



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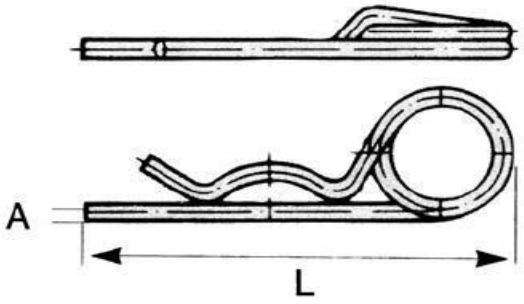
linchpins, hose-clips and r-clips

R-clip (double)

Article no.		Dimensions in mm	
Series	Material Zinc plated	A	L
8112	.04	2	56
8113	.04	3	73
8114	.04	4	98
8115	.04	5	111
8116	.04	6	142
8118	.04	8	152



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Linchpins, hose-clips and r-clips

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Spring clips

Now in our program for you – high quality spring clips in different sizes.

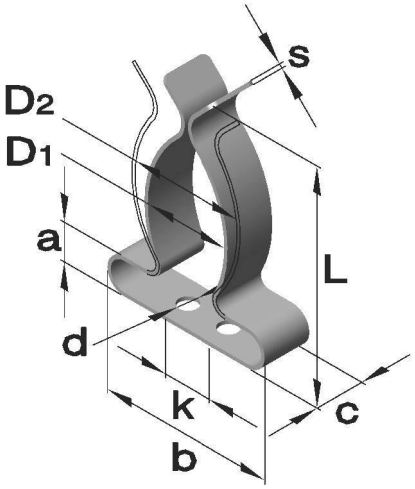
The possible applications are extremely diverse: Holding applications for tools of all kinds, component fixtures inside of machines and switchboards, hose routing and safety, as well as effective and inexpensive locking alternatives for doors and valves. If in your workshop or in your product, our spring clips are extremely resilient:
They are made of high-quality spring steel and their standard completion is NIROSTA.

Art. no.: GS-291

Spring clip drilled

Material and surface finish:

Raw stainless steel (1.4310)



Article no.			Dimensions in mm										
Series	Execution	Material Stainless steel (Nirosta)	shaft Ø D	D1	D2	Ø d	a	b	c	L	s	k	Perforations count
GS-291	-1	-NI	6-8	5,0	8,0	3,1	4,0	13,0	6,0	17,0	0,5	-	1
GS-291	-2	-NI	9-10	6,5	11,0	3,1	5,0	16,0	6,0	21,0	0,5	-	1
GS-291	-3	-NI	11-14	10,0	15,0	3,1	5,0	23,0	8,0	27,0	0,5	-	1
GS-291	-4	-NI	15-18	14,0	19,0	3,1	5,5	26,0	8,0	30,3	0,5	-	1
GS-291	-5	-NI	18-22	15,0	23,0	4,1	6,0	26,5	8,0	39,0	0,5	-	1
GS-291	-6	-NI	23-26	19,0	27,0	4,1	6,5	30,0	8,0	43,0	0,6	-	1
GS-291	-6A	-NI	27-29	21,5	30,0	4,1	8,0	36,5	10,0	51,0	0,7	-	1
GS-291	-7	-NI	30-32	26,0	33,0	5,2	9,0	46,0	13,0	60,0	1,0	-	1
GS-291	-7A	-NI	33-39	30,0	40,0	5,2	10,0	49,5	13,0	64,0	1,0	9	2
GS-291	-8	-NI	39-45	31,0	45,0	5,2	9,0	48	13,0	68,0	1,0	9	2

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Edge protector

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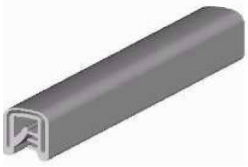
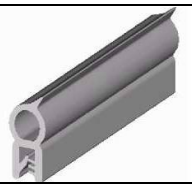
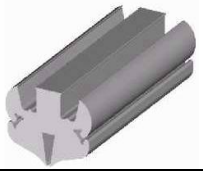
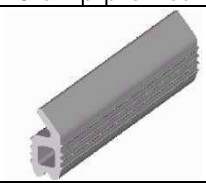
Edge protection profiles

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Our delivery program

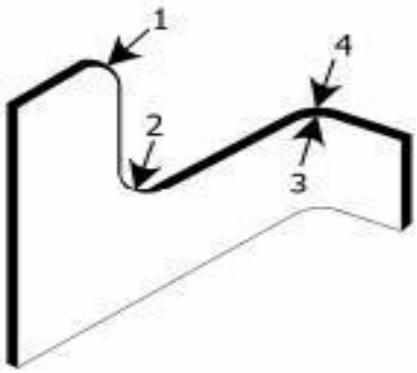
Flexible edge protection-, Edge protection sealing profiles, Rubber clamping- and Filler profiles, Finger protection profiles, Flat gaskets, Silicon profiles, Alu- and Stainless steel profiles, Assembly, Socket profiles, Cushion profiles, Door sealing profiles, Air-profiles, assembled as a frame, Ring or fixed length, Sponge- and Cellular rubber profiles, PE-foam profiles, Cuttings and punched gaskets.

		
Edge protection profiles	Edge protection sealing profile	Clamp profiles
		
Finger protection profiles	Aluminium and stainless-steel profile	Door sealing profile

Materials:
Natural rubber (NR)
Styrene butadiene rubber (SBR)
Ethylene propylene diene rubber (EPDM)
Silicone rubber (VMQ)
Chloroprene rubber (CR)
Nitrile butadiene rubber (NBR)
Fluorinated rubber (FKM, Viton)

Minimum bend radius for edge protection profiles

Please notice that all indicated minimum bend radius (in the following charts) serve as a guideline, depending on material, clamping range and application purpose of the used profile.



Manufacturing tolerances
PVC according to DIN 16941
Tolerances on fixed length, on indication

Flexible edge protection

Made of PVC
With steel spring filling

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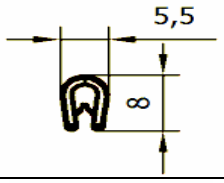
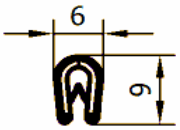
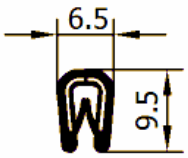
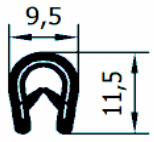
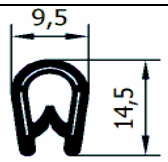
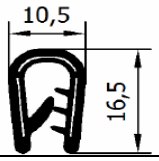
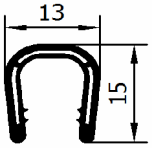
Edge protection profiles

	Article no.	Material	Clamping range in mm	Bend radius in mm (see Page L-3)	VE
	8316 0 220	PVC Black	0,8 – 1,5	1 = 10 2 = 10 3 = 10 4 = 10	10 m
	8316 0 440	PVC Black	1,0 – 1,8	1 = 10 2 = 10 3 = 10 4 = 10	100 m
	8316 0 520	PVC Black	1,0 – 1,8		100 m
	8316 0 620	PVC White	1,0 - 2,0	1 = 15 2 = 15 3 = 10 4 = 10	100 m
	8316 0 820	PVC Black	1,0 - 2,0		100 m
	8316 0 821	PVC Black	1,5 - 2,5		100 m
	8316 0 823	PVC Silver	1,0 - 2,0		100 m
	8316 0 221	PVC Black	1,0 – 2,5	1= 20 2= 20 3= 15 4= 15	100 m
	8316 0 222	PVC Black	2,0 – 4,0		100 m
	8316 0 320	PVC Black	1,0 - 4,0	1= 30 2= 20 3= 20 4= 20	100 m
	8316 0 720	PVC-Anthrazit	1,0 - 4,0		100 m
	8316 0 920	PVC light grey	1,0 - 4,0		100 m
	8316 0 135	PVC Black	1,0 - 2,5	1= 50 2= 40 3= 30 4= 30	100 m
	8316 0 136	PVC Black	2,0 - 4,0		100 m
	831600137	PVC Black	4,0 - 6,0		100 m
	8316 0 740	PVC light grey	6,0 - 8,0	1= 40 2= 40 3= 40 4= 40	100 m
	8316 0 741	PVC Black	6,0 - 8,0		100 m
	8316 0 742	PVC Black	8,0 - 10,0		100 m

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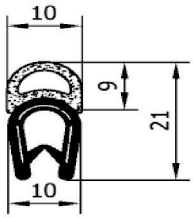
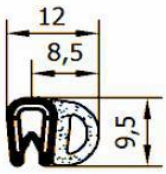
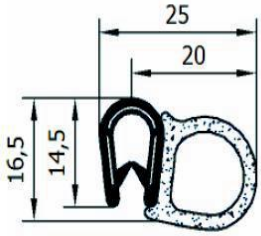
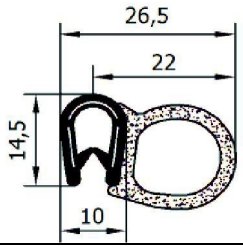
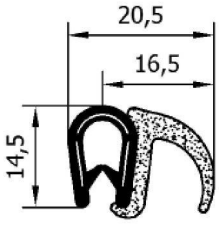
Edge protection profiles

Flexible edge protection profiles

With steel spring filling
With sealed on foam rubber EPDM

	Article no.	Material	Clamping range in mm	Bend radius in mm (see Page L-3)	VE
	8316 0 840	PVC Black / EPDM Black	1,0 - 4,0	1= 70 2= 80 3= 15 4= 15	50 m
	8316 0 950	PVC Black (70° ± 5°) Shore A / EPDM Black	1,0 - 2,0	1= 20 2= 15 3= 30 4= 50	10 m (Roll 100 m)
	8316 0 150	PVC Black (70° ± 5°) Shore A / EPDM Black	1,0 - 4,0	1= 50 2= 30 3= 100 4= 120	5 m (Roll 50 m)
	8316 0 153	PVC Black / EPDM Black	1,0 - 4,0	1= 50 2= 30 3= 100 4= 120	50 m
	8316 0 640	PVC Black / EPDM Black	1,0 - 4,0	1= 50 2= 30 3= 100 4= 120	50 m

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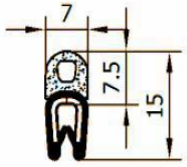
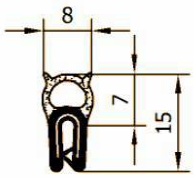
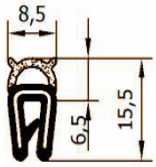
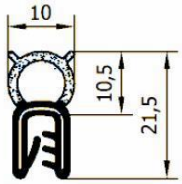
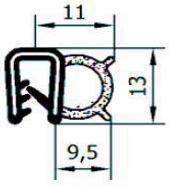
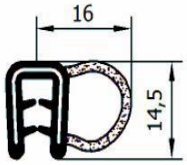
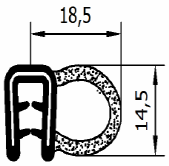
Edge protection profiles

Flexible edge protection and seal profiles

With steel spring filling
With sealed on foam rubber EPDM/NBR

	Article no.	Material	Clamping range in mm	Bend radius in mm (see Page L-3)	VE
	8316 0 960	PVC Black (70° ± 5°) Shore A / EPDM Black	1,0 - 2,0	1= 20 2= 40 3= 10 4= 10	10 m (Roll 100 m)
	8316 0 003	PVC Black / EPDM Black soft	0,5 - 1,5	1= 50 2= 80 3= 25 4= 25	50 m
	8316 0 005	EPDM Black (65° ± 5°) Shore A / EPDM Black soft	0,8 - 2,0	1= 50 2= 60 3= 20 4= 20	5 m (Roll 50 m)
	8316 0 010	EPDM Black (65° ± 5°) Shore A / EPDM Black soft	1,0 - 3,5	1= 50 2= 180 3= 30 4= 30	5 m (Roll 50 m)
	8316 0 010-1	NBR Black (60° ± 5°) Shore A / NBR Black	3,0 - 5,0	1= 50 2= 150 3= 50 4= 50	5 m (Roll 50 m)
	8316 0 025	EPDM Black (65° ± 5°) Shore A / EPDM Black soft	1,0 - 3,5	1= 50 2= 20 3= 120 4= 40	5 m (Roll 50 m)
	8316 0 026	NBR schwarz (60° ± 5°) Shore A / NBR Black	1,0 - 3,5		5 m (Roll 50 m)
	8316 0 040	PVC Black / EPDM Black soft	1,0 - 3,0	1= 40 2= 30 3= 180 4= 40	50 m
	8316 0 060	PVC Black / EPDM Black soft	1,5 - 3,0	1= 80 2= 60 3= 200 4= 80	25 m

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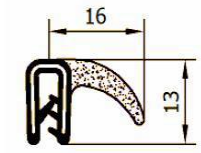
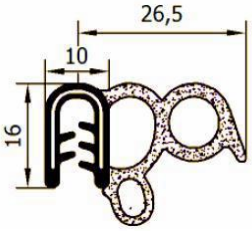
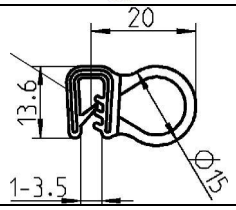
Edge protection profiles

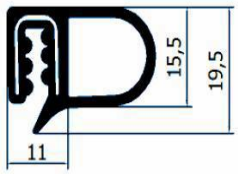
Flexible edge protection and seal profiles

With steel spring filling
With sealed on foam rubber

	Article no.	Material	Clamping range in mm	Bend radius in mm (see Page L-3)	VE
	8316 0 045	EPDM Black (65° ± 5°) Shore A / EPDM Black	1,0 - 2,5	1= 80 2= 40 3= 200 4= 200	5 m (Roll 50 m)
	8316 0 065	PVC Black / EPDM Black soft	1,0 - 3,5	1= 40 2= 30 3= 180 4= 40	50 m
	83160060-1	EPDM Black (65° ± 5°) Shore A / EPDM Black	1 – 3,5	1= 50 2= 40 3= 200 4= 50	5 m (Roll 50 m)

Edge protection and seal profiles

With metal insert
FDA- conformal

	Article no.	Material	Clamping range in mm	VE
	8316 9 158	Silicon	2,0	50 m

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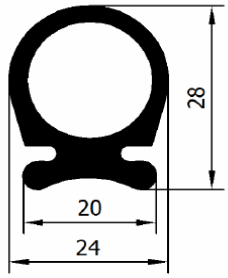
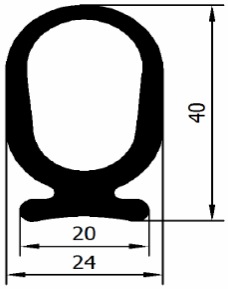
Edge protection profiles

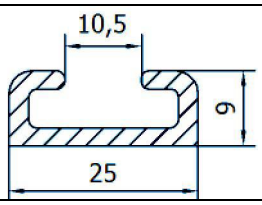
Finger protection profiles

Made of rubber EPDM

	Article no.	Material	VE
	8330 0 140	Rubber EPDM Black	30 m
	8330 0 080	Rubber EPDM Black	30 m

Aluminiumprofile

Suitable for:
Art. no. 8330 0 140
Art. no. 8330 0 080

	Article no.	Material	Length	VE
	8101 0 020	Aluminium	5000 mm	50 m

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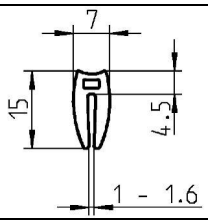
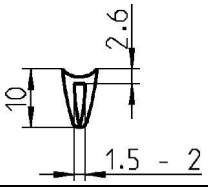
Edge protection profiles

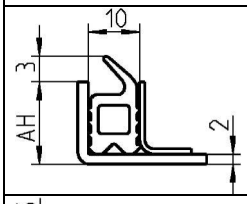
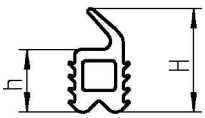
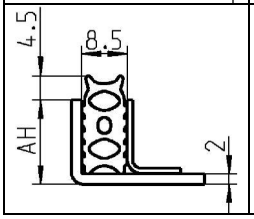
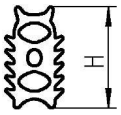
Seal profiles

Made of EPDM

	Artikel Nr.	Material	Clamping range in mm	Bend radius in mm (see Page L-3)	VE
	83300004-1	EPDM Black	1 - 1,6	-	5 m (Roll 50 m)
	83300004-2	EPDM Black	1,5 - 2	1= 80 2= 30 3= 10 4= 10	5 m (Roll 50 m)

Door sealing profiles

Different quality on request.

		H in mm	h in mm	AH in mm	Article no.	Material	VE
		21	13,5	20	83030570-1	EPDM 55° Shore A Black	5 m (Roll 50 m)
		27	19,5	26	83030270-1		
		26,5	-	24	83030770-1	Sponge rubber EPDM 25° Shore A Black	5 m (Roll 50 m)

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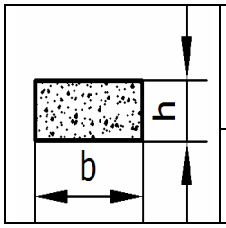
Edge protection profiles

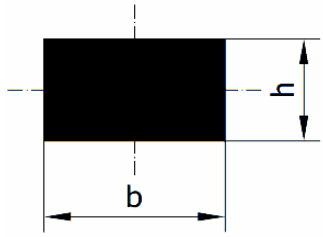
Sponge rubber-square and rectangle profiles

Made of EPDM, or CR
NBR on request

	b x h in mm	Artikel Nr. Werkstoff EPDM schwarz	EPDM hellgrau	CR schwarz	VE
	10 x 2	8313 2 0100	8313 2 0500	8313 3 0100	100 m

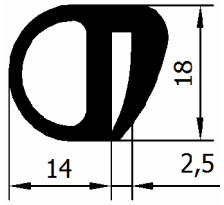
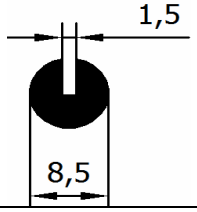
Viton-Caoutchouc, round-, square- and rectangle profiles

Made of FKM (Fluorkautschuk).
Hardness 75 ± 5 ° Shore A
Different dimensions on request.

	b x h in mm	Article no.	Material
	5 x 2	8382 9 200	FKM Black
	10 x 2	8382 9 201	FKM Black
	10 x 5	8382 9 202	FKM Black
	12 x 5	8382 9 203	FKM Black
	15 x 3	8382 9 204	FKM Black
	15 x 5	8382 9 205	FKM Black
	15 x 10	8382 9 206	FKM Black
	20 x 2	8382 9 207	FKM Black
	20 x 5	8382 9 208	FKM Black
	20 x 10	8382 9 209	FKM Black
	20 x 12	8382 9 210	FKM Black

Viton-Caoutchouc –special profiles

FKM (Fluorkautschuk)
Hardness 75 ± 5 ° Shore A

	Article no.	Material	VE
	8382 9 311	FKM (Fluorkautschuk)	25 m
	8382 9 313	FKM (Fluorkautschuk)	100 m

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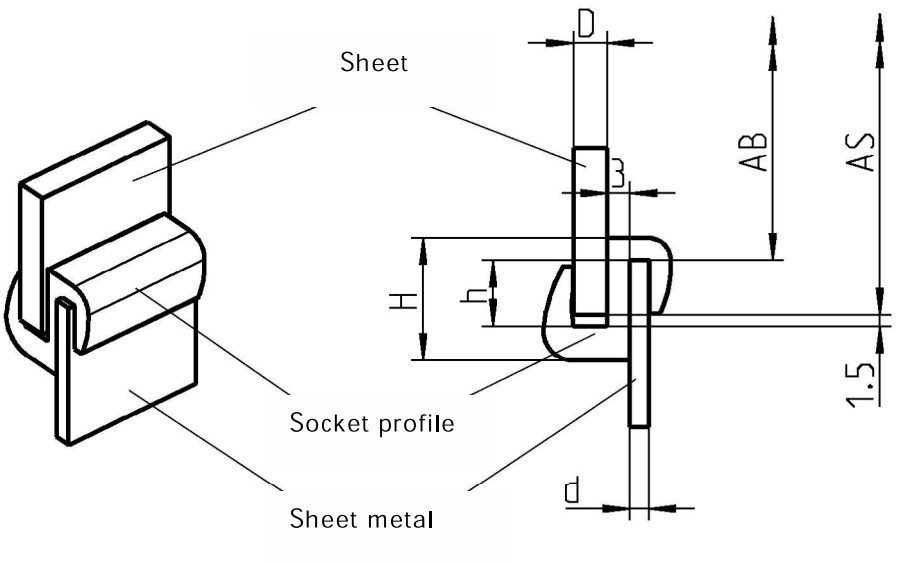
Edge protection profiles

Socket profiles

Made of EPDM or NBR



Article no.	Material		Dimensions				Bend radius in mm	VE
	Black	Black	D	d	H	h		
838 0 9456-1	EPDM 60° Shore A	-	4	2	16,2	8,7	≥ 40	5 m (Roll 50 m)
838 0 9456-2	EPDM 60° Shore A	-	6	2	16,2	8,7	≥ 40	5 m (Roll 50 m)
838 0 9456-3	-	NBR 80° Shore A	4	2	16,2	8,7	≥ 40	5 m (Roll 50 m)
838 0 9456-4	-	NBR 80° Shore A	6	2	16,2	8,7	≥ 40	5 m (Roll 50 m)

AB + 14,5 mm = AS

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Rubber-metal-buffers

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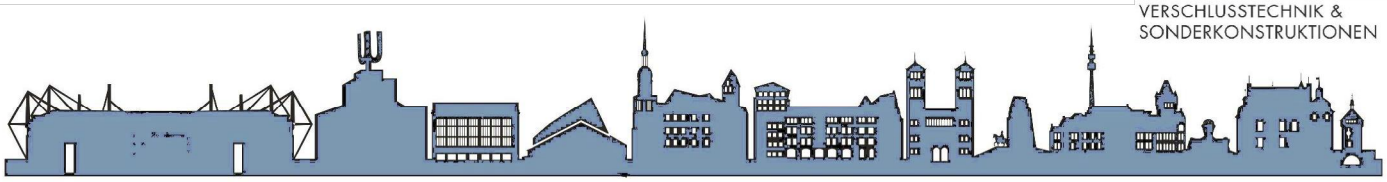

Rubber-metal-buffers

Our delivery program:

1. Rubber-buffer-program
2. Rubber-moulded parts according to drawing
3. Rubber-metal-moulded parts according to drawing
4. Metalparts chromated
5. Metalparts galvanized
6. Metalparts powder-coated
8. Thread lengths can be manufactured differently from the regular program
7. Metalparts V2a
9. Rubber hardness from 35° to 90° shore
10. Sundry Rubbermaterials are possible

Technical modifications and errors excepted

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Ordering example:

Art.no. H – 01 – 06 06

Diameter „Ø "and height „h "

Rubber-buffer type: „A"

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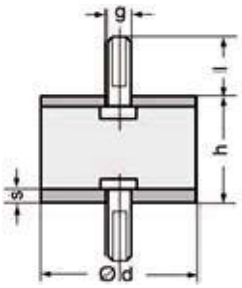
HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Rubber-metal-buffer



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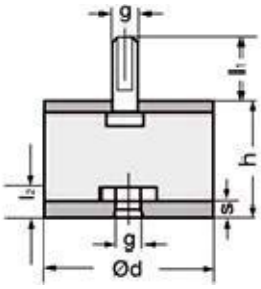

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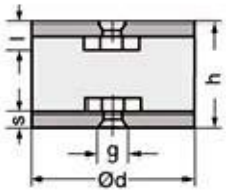

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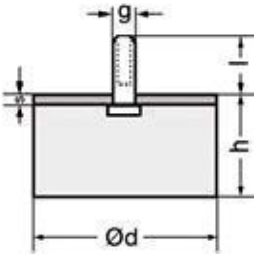

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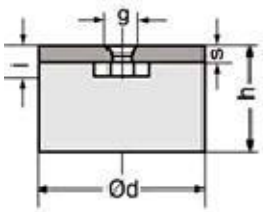
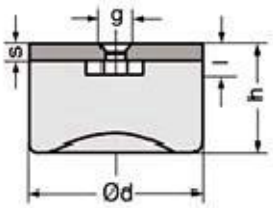
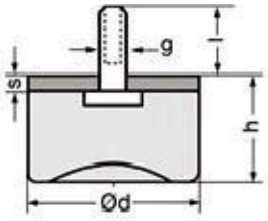


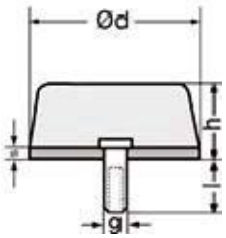
Type "E"



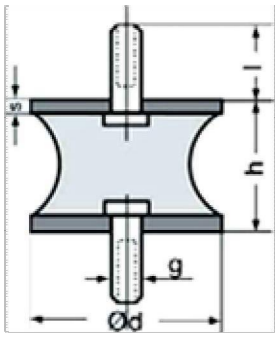
Type "ES"



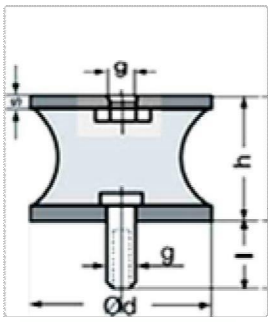
Type "DS"



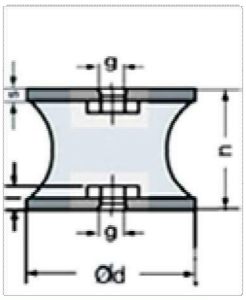
Type "K"
conical



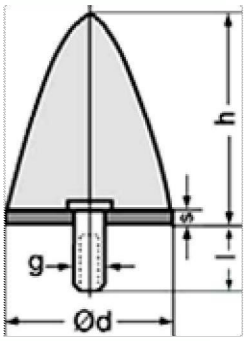
Type "TA"
waisted



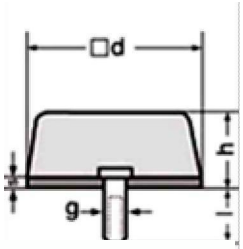
Type "TB"
waisted



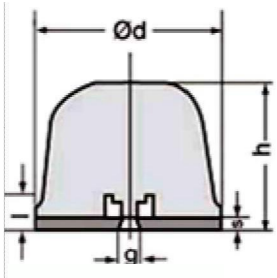
Type "TC"
waisted



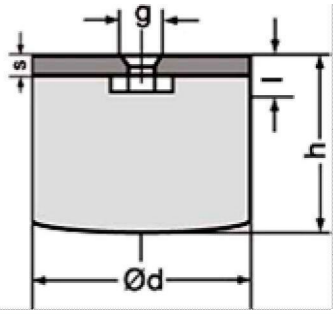
Type "P"
parabolic



Type "KV"
conical-square



Type "KE"



„Crane-bump stop"

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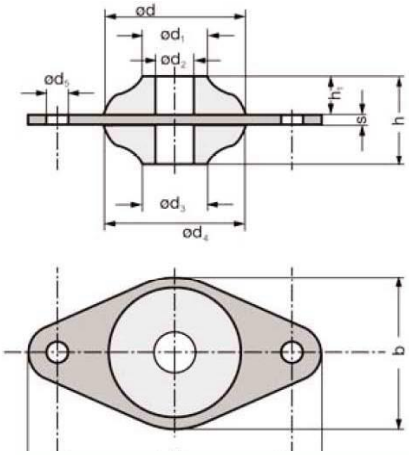
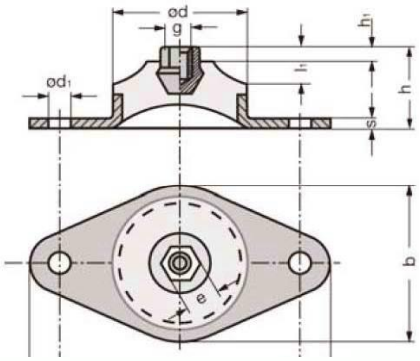
Rubber-metal-buffer

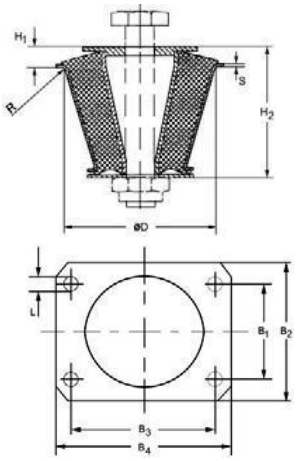
Rubber-metal-elements



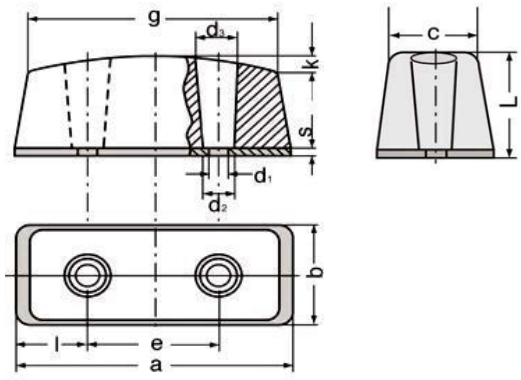
„Flange-elements"



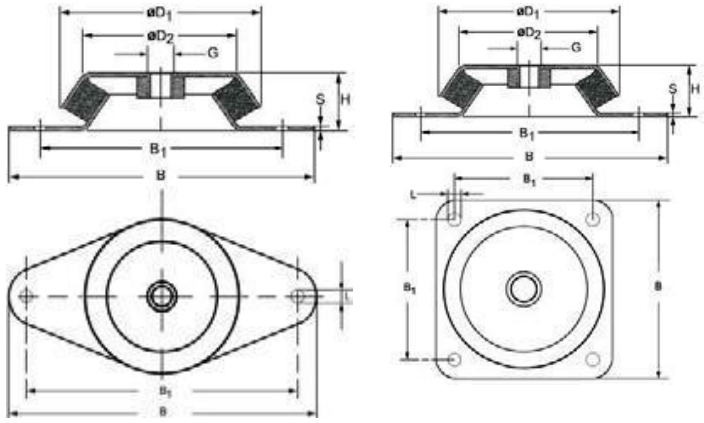
„Hat-elements"



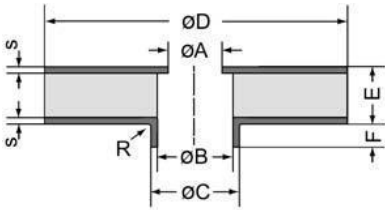
„Cone bearings"



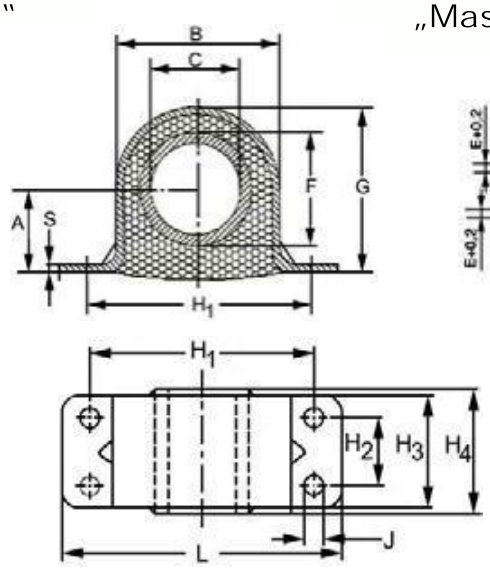
„Gear-cushion"



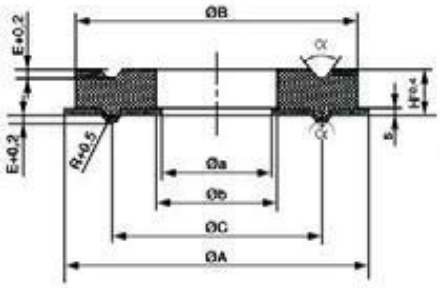
„Maschine feed"



„Ring-elements"



„Clip-elements"



„Spring washers"

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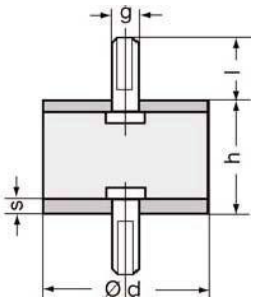
Rubber-metal-buffer

Rubber-metal-buffer, Type "A "
With threaded bolt, duplex

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-01-0808	8	8	M3	6	2
H-01-01010	10	10	M4	11	2
H-01-01015	10	15	M4	12	2
H-01-01021	10	21	M4	11	2
H-01-01310	13	10	M4	12	2
H-01-01508	15	8	M4	12	2
H-01-01510	15	10	M4	12	2
H-01-01515	15	15	M4	12	2
H-01-01520	15	20	M4	12	2
H-01-01530	15	30	M4	12	2
H-01-018/8,5	18	8,5	M4	18	2
H-01-01810	18	10	M4	18	2
H-01-02008	20	8	M6	18	2,5
H-01-02010	20	10	M6	18	2,5
H-01-02012	20	12	M6	18	2,5
H-01-02015	20	15	M6	18	2,5
H-01-02020	20	20	M6	18	2,5
H-01-02025	20	25	M6	18	2,5
H-01-02510	25	10	M6	18	2,5
H-01-02515	25	15	M6	18	2,5
H-01-02520	25	20	M6	18	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-01-02525	25	25	M6	18	2,5
H-01-02530	25	30	M6	18	2,5
H-01-03012	30	12	M8	23	2,5
H-01-03015	30	15	M8	23	2,5
H-01-03020	30	20	M8	23	2,5
H-01-03025	30	25	M8	23	2,5
H-01-03030	30	30	M8	23	2,5
H-01-03040	30	40	M8	23	2,5
H-01-03516	35	16	M8	23	2,5
H-01-04008	40	8	M8	23	2,5
H-01-04015	40	15	M8	23	2,5
H-01-04020	40	20	M8	23	2,5
H-01-04025-M8	40	25	M8	23	2,5
H-01-04025-M10	40	25	M10	20	2,5
H-01-04030	40	30	M8	23	2,5
H-01-04030-M10	40	30	M10	23	2,5
H-01-04035	40	35	M8	23	2,5
H-01-04040	40	40	M8	23	2,5
H-01-04050	40	50	M8	23	2,5

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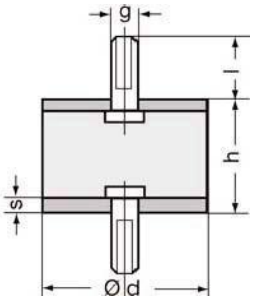
Rubber-metal-buffer

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Rubber-metal-buffer, Type "A "
With threaded bolt, duplex

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-01-05015	50	15	M10	28	2,5
H-01-05017	50	17	M10	28	2,5
H-01-05020	50	20	M10	28	2,5
H-01-05025	50	25	M10	28	2,5
H-01-05030	50	30	M10	28	2,5
H-01-05040	50	40	M10	28	2,5
H-01-05045	50	45	M10	28	2,5
H-01-05050	50	50	M10	28	2,5
H-01-05080	50	80	M10	28	2,5
H-01-06020-M10	60	20	M10	28	2,5
H-01-06020-M12	60	20	M12	37	2,5
H-01-06030-M10	60	30	M10	28	2,5
H-01-06030-M12	60	30	M12	37	2,5
H-01-06040-M10	60	40	M10	28	2,5
H-01-06040-M12	60	40	M12	37	2,5
H-01-06050	60	50	M10	28	2,5
H-01-06060-M10	60	60	M10	28	2,5
H-01-06560	65	60	M10	28	2,5
H-01-07030	70	30	M10	28	2,5
H-01-07040-M10	70	40	M10	28	2,5
H-01-07045-M10	70	45	M10	28	2,5
H-01-07045-M12	70	45	M12	37	2,5
H-01-07050	70	50	M10	28	2,5
H-01-07055	70	55	M10	28	2,5
H-01-07060	70	60	M10	28	2,5
H-01-07525	75	25	M12	37	2,5
H-01-07530	75	30	M12	37	2,5
H-01-07540	75	40	M12	37	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-01-07545	75	45	M12	37	2,5
H-01-07550	75	50	M12	37	2,5
H-01-07555	75	55	M12	37	2,5
H-01-07560	75	60	M12	37	2,5
H-01-07570	75	70	M12	37	2,5
H-01-07575	75	75	M12	37	2,5
H-01-08030	80	30	M12	37	2,5
H-01-08040	80	40	M12	37	2,5
H-01-08585	85	85	M16	43	2,5
H-01-10040	100	40	M16	43	3
H-01-10050	100	50	M16	43	3
H-01-10055	100	55	M16	43	3
H-01-10060	100	60	M16	43	3
H-01-10075	100	75	M16	43	3
H-01-12575	125	75	M16	43	4
H-01-15050	150	50	M16	43	4
H-01-15055	150	55	M16	43	4
H-01-15075	150	75	M16	43	4
H-01-150100	150	100	M16	43	4
H-01-200100	200	100	M20	45	6

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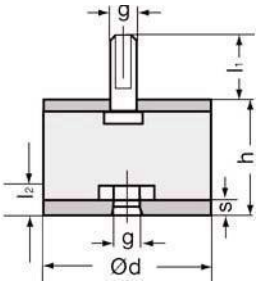
Rubber-metal-buffer

Rubber-metal-buffer, Type "B"
With threaded bolt on the one hand,
internal thread on the other hand

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm					
	Ø d	h	g	l1	l2	s
H-02-0607	6	7	M3	6	3	2
H-02-0808	8	8	M3	6	3	2
H-02-01008	10	8	M4	10	4	2
H-02-01010	10	10	M4	10	4	2
H-02-01015	10	15	M4	10	4	2
H-02-01020	10	20	M4	10	4	2
H-01310	13	10	M4	10	4	2
H-02-01508	15	8	M4	10	4	2
H-02-01510	15	10	M4	10	4	2
H-02-01512	15	12	M4	10	4	2
H-02-01515	15	25	M4	10	4	2
H-02-01520	15	20	M4	10	4	2
H-02-01525	15	25	M4	11	4	2
H-02-01530	15	30	M4	10	4	2
H-02-02015	20	15	M6	18	6	2,5
H-02-02020	20	20	M6	18	6	2,5
H-02-02025	20	25	M6	18	6	2,5
H-02-02030	20	30	M6	18	6	2,5
H-02-02515	25	15	M6	18	6	2,5
H-02-02520	25	20	M6	18	6	2,5
H-02-02525	25	25	M6	18	6	2,5
H-02-02530	25	30	M6	18	6	2,5
H-02-02535	25	35	M6	18	6	2,5
H-02-02540	25	40	M6	18	6	2,5
H-02-03015	30	15	M8	23	8	2,5
H-02-03020	30	20	M8	23	8	2,5
H-02-03025	30	25	M8	23	8	2,5
H-02-03030	30	30	M8	23	8	2,5
H-02-03040	30	40	M8	23	8	2,5
H-02-03045	30	45	M8	23	8	2,5
H-02-03085	30	85	M8	23	8	2,5

Article no.	Dimensions in mm					
	Ø d	h	g	l1	l2	S
H-02-04020	40	20	M8	23	8	2,5
H-02-04020-M10	40	20	M10	28	10	2,5
H-02-04025-M8	40	25	M8	23	8	2,5
H-02-04035	40	35	M8	23	8	2,5
H-02-04040	40	40	M8	23	8	2,5
H-02-04045	40	45	M8	23	8	2,5
H-02-04550	45	50	M8	23	8	2,5
H-02-05020	50	20	M10	28	10	2,5
H-02-05025	50	25	M10	28	10	2,5
H-02-05030	50	30	M10	28	10	2,5
H-02-05040	50	40	M10	28	10	2,5
H-02-05045	50	45	M10	28	10	2,5
H-02-05050	50	50	M10	28	10	2,5
H-02-05055	50	55	M10	28	10	2,5
H-02-05080	50	80	M10	28	10	2,5
H-02-06030	60	30	M10	28	10	2,5
H-02-06030-M12	60	30	M12	37	12	2,5
H-02-06040	60	40	M10	28	10	2,5
H-02-06040-M12	60	40	M12	37	12	2,5
H-02-06045	60	45	M10	28	10	2,5
H-02-06045 –M12	60	45	M12	37	12	2,5
H-02-06050	60	50	M10	28	10	2,5
H-02-06050-M12	60	50	M12	37	12	2,5
H-02-06060	60	60	M10	28	10	2,5
H-02-06060-M12	60	60	M12	37	12	2,5

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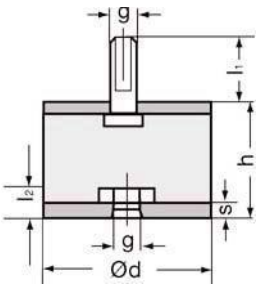
Rubber-metal-buffer

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Rubber-metal-buffer, Type "B"
With threaded bolt on the one hand,
internal thread on the other hand

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm					
	Ø d	h	g	l1	l2	s
H-02-07030	70	30	M10	28	10	2,5
H-02-07040	70	40	M10	28	10	2,5
H-02-07040-M12	70	40	M12	37	12	2,5
H-02-07045	70	45	M10	28	10	2,5
H-02-07045-M12	70	45	M12	37	12	2,5
H-02-07050	70	50	M10	28	10	2,5
H-02-07055	70	55	M10	28	10	2,5
H-02-07055-M12	70	55	M12	37	12	2,5
H-02-07525	75	25	M12	37	12	2,5
H-02-07530	75	30	M12	37	12	2,5
H-02-07540	75	40	M12	37	12	2,5
H-02-07545	75	45	M12	37	12	2,5
H-02-07550	75	50	M12	37	12	2,5
H-02-07555	75	55	M12	37	12	2,5
H-02-07570	75	70	M12	37	12	2,5
H-02-08030	80	30	M12	37	12	2,5
H-02-08040	80	40	M12	37	12	2,5
H-02-08585	85	85	M12	37	12	2,5
H-02-10040	100	40	M16	43	16	2,5
H-02-10050	100	50	M16	43	16	2,5
H-02-10055	100	55	M16	43	16	2,5
H-02-10060	100	60	M16	43	16	2,5
H-02-10075	100	75	M16	43	16	2,5
H-02-10090	100	90	M16	43	16	2,5

Article no.	Dimensions in mm					
	Ø d	h	g	l1	l2	S
H-02-12570	125	70	M16	43	16	2,5
H-02-12575	125	75	M16	43	16	2,5
H-02-125100	125	100	M16	43	16	2,5
H-02-15050	150	50	M16	43	16	2,5
H-02-15055	150	55	M16	43	16	2,5
H-02-15075	150	75	M16	43	16	2,5
H-02-150150	150	150	M16	43	16	2,5
H-02-150200	150	200	M16	43	16	2,5
H-02-200100	200	100	M20	45	20	2,5
H-02-200250	200	250	M20	45	20	2,5

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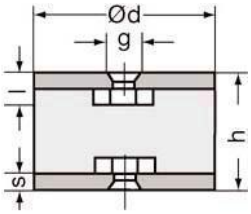
Rubber-metal-buffer

Rubber-metal-buffer, Type "C"
With internal thread, duplex

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-03-0808	8	8	M3	3	2
H-03-01010	10	10	M4	4	2
H-03-01015	10	15	M4	4	2
H-03-01020	10	20	M4	4	2
H-03-01510	15	10	M4	4	2
H-03-01515	15	15	M4	4	2
H-03-01520	15	20	M4	4	2
H-03-01525	15	25	M4	4	2
H-03-02015	20	15	M6	6	2,5
H-03-02020	20	20	M6	6	2,5
H-03-02025	20	25	M6	6	2,5
H-03-02030	20	30	M6	6	2,5
H-03-02520	25	20	M6	6	2,5
H-03-02525	25	25	M6	6	2,5
H-03-02530	25	30	M6	6	2,5
H-03-02540	25	40	M6	6	2,5
H-03-03020	30	20	M8	8	2,5
H-03-03025	30	25	M8	8	2,5
H-03-03030	30	30	M8	8	2,5
H-03-03040	30	40	M8	8	2,5
H-03-04020-M8	40	20	M8	8	2,5
H-03-04025-M8	40	25	M8	8	2,5
H-03-04025-M10	40	25	M10	10	2,5
H-03-04030-M8	40	30	M8	8	2,5
H-03-04030-M10	40	30	M10	10	2,5
H-03-04035-M8	40	35	M8	8	2,5
H-03-04035-M10	40	35	M10	10	2,5
H-03-04040	40	40	M8	8	2,5
H-03-04040-M10	40	40	M10	10	2,5
H-03-04045	40	45	M8	8	2,5
H-03-04050	40	50	M8	8	2,5
H-03-05030	50	30	M10	10	2,5
H-03-05035	50	35	M10	10	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-03-05040	50	40	M10	10	2,5
H-03-05045	50	45	M10	10	2,5
H-03-05050	50	50	M10	10	2,5
H-03-06030-M12	60	30	M12	12	2,5
H-03-06040-M10	60	40	M10	10	2,5
H-03-06040-M12	60	40	M12	12	2,5
H-03-06045-M10	60	45	M10	10	2,5
H-03-06050-M12	60	50	M12	12	2,5
H-03-06060-M10	60	60	M10	10	2,5
H-03-06060-M12	60	60	M12	12	2,5
H-03-07035	70	35	M10	10	2,5
H-03-07040	70	40	M10	10	2,5
H-03-07045-M10	70	45	M10	10	2,5
H-03-07045-M12	70	45	M12	12	2,5
H-03-07050	70	50	M10	10	2,5
H-03-07055	70	55	M10	10	2,5
H-03-07525	75	25	M12	12	2,5
H-03-07530	75	30	M12	12	2,5
H-03-07540	75	40	M12	12	2,5
H-03-07545	75	45	M12	12	2,5
H-03-07550	75	50	M12	12	2,5
H-03-07555	75	55	M12	12	2,5
H-03-07560	75	60	M12	12	2,5
H-03-07570	75	70	M12	12	2,5
H-03-07575	75	75	M12	12	2,5
H-03-10040	100	40	M16	16	3
H-03-10050	100	50	M16	16	3
H-03-10055	100	55	M16	16	3
H-03-10060	100	60	M16	16	3
H-03-10075	100	75	M16	16	3
H-03-100100	100	100	M16	16	3
H-03-100120	100	120	M16	16	3
H-03-12070	120	70	M16	16	3
H-03-12550	125	50	M16	16	4
H-03-12555	125	55	M16	16	4
H-03-15050	150	50	M16	16	4
H-03-15055	150	55	M16	16	4
H-03-15075	150	75	M16	16	4
H-03-16070	160	70	M16	16	4
H-03-200100	200	100	M20	20	6

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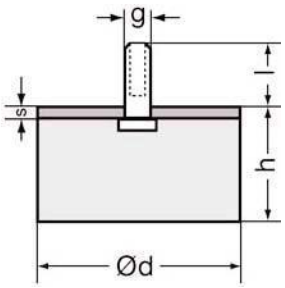
Rubber-metal-buffer

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Rubber-metal-buffer, Type "D "
With threaded bolt, one sized

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	L	S
H-04-01008	10	8	M4	11	2
H-04-01010	10	10	M4	11	2
H-04-01015	10	15	M4	11	2
H-04-01310	13	10	M4	11	2
H-04-01415	14	15	M4	11	2
H-04-01504	15	4	M4	11	2
H-04-01506	15	6	M4	11	2
H-04-01507	15	7	M4	11	2
H-04-01508	15	8	M4	11	2
H-04-01510	15	10	M4	11	2
H-04-01512	15	12	M4	11	2
H-04-01513	15	13	M4	11	2
H-04-01515	15	15	M4	11	2
H-04-01520	15	20	M4	11	2
H-04-01525	15	25	M4	11	2
H-04-01528	15	28	M4	11	2
H-04-01530	15	30	M4	11	2
H-04-001805,5	18	5,5	M6	18	2
H-04-001807,5	18	7,5	M6	18	2
H-04-001808,5	18	8,5	M6	18	2
H-04-02005	20	5	M6	18	2,5
H-04-02008	20	8	M6	18	2,5
H-04-02010	20	10	M6	18	2,5
H-04-02012	20	12	M6	18	2,5
H-04-02015	20	15	M6	18	2,5
H-04-02020	20	20	M6	18	2,5
H-04-02025	20	25	M6	18	2,5
H-04-02030	20	30	M6	18	2,5
H-04-02035	20	35	M6	18	2,5
H-04-02065	20	60	M6	18	2,5
H-04-02506	25	6	M6	18	2,5
H-04-02508	25	8	M6	18	2,5
H-04-02510	25	10	M6	18	2,5
H-04-02512	25	12	M6	18	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-04-02515	25	15	M6	18	2,5
H-04-02517	25	17	M6	18	2,5
H-04-02520	25	20	M6	18	2,5
H-04-02525	25	25	M6	18	2,5
H-04-02528	25	28	M6	18	2,5
H-04-02530	25	30	M6	18	2,5
H-04-02540	25	40	M6	18	2,5
H-04-02570	25	70	M6	18	2,5
H-04-03005	30	5	M8	23	2,5
H-04-03008	30	8	M8	23	2,5
H-04-03010	30	10	M8	23	2,5
H-04-03015	30	15	M8	23	2,5
H-04-03017	30	17	M8	23	2,5
H-04-03020	30	20	M8	23	2,5
H-04-03025	30	25	M8	23	2,5
H-04-03030	30	30	M8	23	2,5
H-04-03040	30	40	M8	23	2,5
H-04-03080	30	80	M8	23	2,5
H-04-03520	35	20	M8	23	2,5
H-04-03530	35	30	M8	23	2,5
H-04-04010	40	10	M8	23	2,5
H-04-04012	40	12	M8	23	2,5
H-04-04015	40	15	M8	23	2,5
H-04-04020	40	20	M8	23	2,5
H-04-04025	40	25	M8	23	2,5
H-04-04027	40	27	M8	23	2,5
H-04-04028	40	28	M8	23	2,5
H-04-04030	40	30	M8	23	2,5
H-04-04030-M10	40	30	M10	28	2,5

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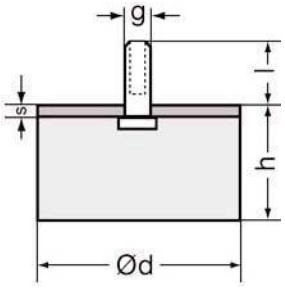
Rubber-metal-buffer

HoKon
VERSCHLUSSTECHNIK &
SONDERKONSTRUKTIONEN

Rubber-metal-buffer, Type "D "
With threaded bolt, one sized

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-04-04035	40	35	M8	23	2,5
H-04-04040	40	40	M8	23	2,5
H-04-04040-M10	40	40	M10	28	2,5
H-04-04045	40	45	M8	23	2,5
H-04-04050	40	50	M8	23	2,5
H-04-04055	40	55	M8	23	2,5
H-04-05010	50	10	M10	28	2,5
H-04-05012	50	12	M10	28	2,5
H-04-05015	50	15	M10	28	2,5
H-04-05017	50	17	M10	28	2,5
H-04-05020	50	20	M10	28	2,5
H-04-05025	50	25	M10	28	2,5
H-04-05030	50	30	M10	28	2,5
H-04-05040	50	40	M10	28	2,5
H-04-05045	50	45	M10	28	2,5
H-04-05050	50	50	M10	28	2,5
H-04-05060	50	60	M10	28	2,5
H-04-05080	50	80	M10	28	2,5
H-04-06020-M10	60	20	M10	28	2,5
H-04-06020-M12	60	20	M12	37	2,5
H-04-06030	60	30	M10	28	2,5
H-04-06030-M12	60	30	M12	37	2,5
H-04-06040-M12	60	40	M12	37	2,5
H-04-06050-M10	60	50	M10	28	2,5
H-04-06050-M12	60	50	M12	37	2,5
H-04-06060-M12	60	60	M12	37	2,5
H-04-07025	70	25	M10	28	2,5
H-04-07040	70	40	M10	28	2,5
H-04-07040-M12	70	40	M12	37	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-04-07045	70	45	M10	28	2,5
H-04-07045-M12	70	45	M12	37	2,5
H-04-07050-M10	70	50	M10	28	2,5
H-04-07050-M12	70	50	M12	37	2,5
H-04-07515	75	15	M12	37	2,5
H-04-07520	75	20	M12	37	2,5
H-04-07525	75	25	M12	37	2,5
H-04-07540	75	40	M12	37	2,5
H-04-07545	75	45	M12	37	2,5
H-04-07550	75	50	M12	37	2,5
H-04-07555	75	55	M12	37	2,5
H-04-07560	75	60	M12	37	2,5
H-04-07570	75	70	M12	37	2,5
H-04-10025	100	25	M16	43	3
H-04-10036	100	36	M16	43	3
H-04-10040	100	40	M16	43	3
H-04-10050	100	50	M16	43	3
H-04-10055	100	55	M16	43	3
H-04-10060	100	60	M16	43	3
H-04-10075	100	75	M16	43	3
H-04-100100	100	100	M16	43	3
H-04-15050	150	50	M16	43	4
H-04-15055	150	55	M16	43	4
H-04-15075	150	75	M16	43	4
H-04-200200-M16	200	200	M16	43	6

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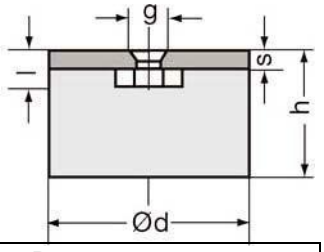
Rubber-metal-buffer

Rubber-metal-buffer, Type "E "
With internal threads, one sized

Natural rubber in 55° shore -"intermediate"
On request also available 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-05-0808	8	8	M3	3	2
H-05-01508	15	8	M4	4	2
H-05-01515	15	15	M4	4	2
H-05-01520	15	20	M4	4	2
H-05-01525	15	25	M4	4	2
H-05-01530	15	30	M4	4	2
H-05-02011	20	11	M6	6	2,5
H-05-02013,5	20	13,5	M6	6	2,5
H-05-02015	20	15	M6	6	2,5
H-05-02020	20	20	M6	6	2,5
H-05-02025	20	25	M6	6	2,5
H-05-02030	20	30	M6	6	2,5
H-05-02515	25	15	M6	6	2,5
H-05-02520	25	20	M6	6	2,5
H-05-02525	25	25	M6	6	2,5
H-05-02530	25	30	M6	6	2,5
H-05-03015	30	15	M8	8	2,5
H-05-03017	30	17	M8	8	2,5
H-05-03020	30	20	M8	8	2,5
H-05-03025	30	25	M8	8	2,5
H-05-03028	30	28	M8	8	2,5
H-05-03030	30	30	M8	8	2,5
H-05-03040	30	40	M8	8	2,5
H-05-04015-M8	40	15	M8	8	2,5
H-05-04020-M8	40	20	M8	8	2,5
H-05-04020-M10	40	20	M10	10	2,5
H-05-04025-M8	40	25	M8	8	2,5
H-05-04025-M10	40	25	M10	10	2,5
H-05-04028	40	28	M8	8	2,5
H-05-04030-M8	40	30	M8	8	2,5
H-05-04030-M10	40	30	M10	10	2,5
H-05-04035	40	35	M8	8	2,5
H-05-04040-M8	40	40	M8	8	2,5
H-05-04040-M10	40	40	M10	10	2,5
H-05-04045-M8	40	45	M8	8	2,5
H-05-05020	50	20	M10	10	2,5
H-05-05025	50	25	M10	10	2,5
H-05-05030	50	30	M10	10	2,5
H-05-05040	50	40	M10	10	2,5
H-05-05045	50	45	M10	10	2,5
H-05-05050	50	50	M10	10	2,5
H-05-05080	50	80	M10	10	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-05-06020-M12	60	20	M12	12	2,5
H-05-06030-M12	60	30	M12	12	2,5
H-05-06030-M16	60	30	M16	16	2,5
H-05-06040-M10	60	40	M10	10	2,5
H-05-06040-M12	60	40	M12	12	2,5
H-05-06050-M12	60	50	M12	12	2,5
H-05-06060-M12	60	60	M12	12	2,5
H-05-07040-M12	70	40	M12	12	2,5
H-05-07045-M10	70	45	M10	10	2,5
H-05-07050-M12	70	50	M12	12	2,5
H-05-07055	70	55	M10	10	2,5
H-05-07515	75	15	M12	12	2,5
H-05-07525	75	25	M12	12	2,5
H-05-07530	75	30	M12	12	2,5
H-05-07540-M12	75	40	M12	12	2,5
H-05-07540-M16	75	40	M16	16	2,5
H-05-07545	75	45	M12	12	2,5
H-05-07550	75	50	M12	12	2,5
H-05-07555	75	55	M12	12	2,5
H-05-07570	75	70	M12	12	2,5
H-05-10036	100	36	M16	16	3
H-05-10040	100	40	M16	16	3
H-05-10050	100	50	M16	16	3
H-05-10055	100	55	M16	16	3
H-05-10060	100	60	M16	16	3
H-05-10075	100	75	M16	16	3
H-05-100100	100	100	M16	16	3
H-05-12550	125	50	M16	16	4
H-05-125100	125	100	M16	16	4
H-05-15050-M16	150	50	M16	16	4
H-05-15055-M16	150	55	M16	16	4
H-05-15075-M16	150	75	M16	16	4
H-05-15075-M20	150	75	M20	4	
H-05-200100-M16	200	100	M16	16	6

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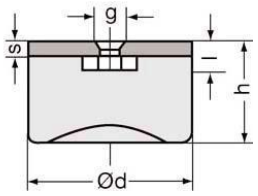
Rubber-metal-buffer

Rubber-metal-buffer, Type „ES "

With suction cup and internal thread, on the one hand

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



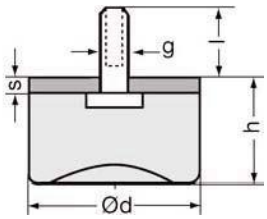
Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-ES-20x23,5	20	23,5	M6	6	2,5
H-ES-25x18,5	25	18,5	M6	6	2,5
H-ES-25x20	25	20	M6	6	2,5
H-ES-30x10	30	10	M8	8	2,5
H-ES-30x28,5	30	28,5	M8	8	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-ES-40x28	40	28	M8	8	2,5
H-ES-50x28,5	50	28,5	M10	10	2,5
H-ES-70x30	70	30	M10	10	2,5
H-ES-100x50	100	50	M16	16	3

Rubber-metal-buffer, Type "DS"

With suction cup and threaded bolts, one-sided

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



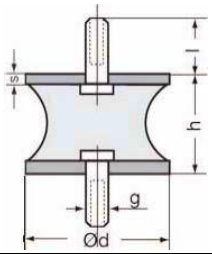
Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-DS-20x23,5	20	23,5	M6	18	2,5
H-DS-25x18,5	25	18,5	M6	18	2,5
H-DS-25x20	25	20	M6	18	2,5
H-DS-30x10	30	10	M8	23	2,5
H-DS-30x28,5	30	28,5	M8	23	2,5
H-DS-40x28	40	28	M8	23	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-DS-50x28,5	50	28,5	M10	28	2,5
H-DS-70x30	70	30	M10	28	2,5
H-DS-70x43	70	43	M12	37	2,5
H-DS-75x37	75	37	M12	37	2,5
H-DS-100x50	100	50	M16	43	3

Rubber-metal-buffer, Type "TA"

waisted, with threaded bolts, duplex

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-T-15x15	15	15	M4	13	2
H-T-15x30	15	30	M4	13	2
H-T-18x12	18	12	M6	18	2
H-T-20x15	20	15	M6	18	2,5
H-T-25x20	25	20	M6	18	2,5
H-T-30x15	30	15	M8	23	2,5
H-T-30x20	30	20	M8	23	2,5
H-T-30x25	30	25	M8	23	2,5
H-T-30x30	30	30	M8	23	2,5
H-T-30x40	30	40	M8	23	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-T-40x30	40	30	M8	23	2,5
H-T-40x48	40	48	M8	23	2,5
H-T-40x50	40	50	M8	23	2,5
H-T-50x30	50	30	M10	28	2,5
H-T-50x40	50	40	M10	28	2,5
H-T-60x50	60	50	M10	28	2,5
H-T-60x65	60	65	M10	28	2,5
H-T-75x35	75	35	M12	37	2,5
H-T-75x40	75	40	M12	37	2,5
H-T-100x75	100	75	M16	43	3

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Rubber-metal-buffer

HoKon
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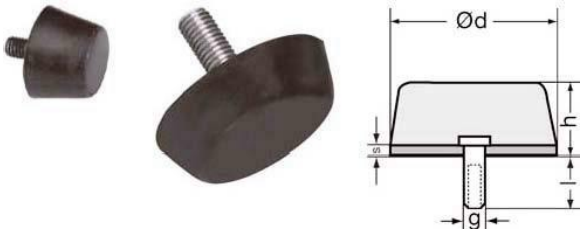
SONDERKONSTRUKTIONEN

Rubber-metal-buffer, Type "K"

Conical, with threaded bolts, one-sided

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



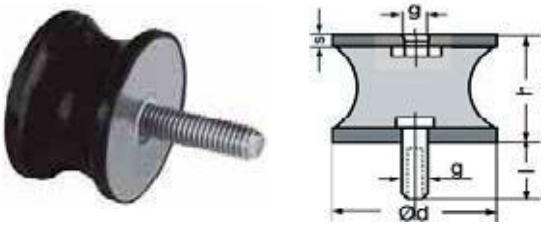
Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-K-08x07	8	7	M4	8	2
H-K-015x10	15	10	M4	10	2
H-K-01512	15	12	M4	13	2
H-K-020x17	20	17	M5	18	2,5
H-K-20,5x13	20	13	M8	20	2,5
H-K-025x05	25	5	M6	18	2,5
H-K-025x12	25	12	M6	18	2,5
H-K-025x15	25	15	M4	13	2,5
H-K-025x17	25	17	M6	18	2,5
H-K-025x20	25	20	M6	18	2,5
H-K-025x22	25	22	M6	13	2,5
H-K-025x28	25	28	M6	18	2,5
H-K-025x35	25	35	M6	18	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-K-030x15	30	15	M8	23	2,5
H-K-030x20	30	20	M8	23	2,5
H-K-030x25	30	25	M8	23	2,5
H-K-030x28	30	28	M8	23	2,5
H-K-030x40	30	40	M8	23	2,5
H-K-035x40	35	40	M8	23	2,5
H-K-040x25	40	25	M10	28	2,5
H-K-050x17	50	17	M10	28	2,5
H-K-050x18	50	18	M10	28	2,5
H-K-050x20	50	20	M10	28	2,5
H-K-050x30	50	30	M10	28	2,5
H-K-050x40	50	40	M10	28	2,5
H-K-050x55	50	55	M10	28	2,5
H-K-80x28	80	28	M12	37	2,5

Rubber-metal-buffer, Type "TB"

This article is only available on request.
waisted, with threaded bolts and internal thread

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-T02-15x15	15	15	M4	13	2
H-T02-15x30	15	30	M4	13	2
H-T02-18x12	18	12	M6	18	2
H-T02-20x15	20	15	M6	18	2,5
H-T02-25x20	25	20	M6	18	2,5
H-T02-30x15	30	15	M8	23	2,5
H-T02-30x20	30	20	M8	23	2,5
H-T02-30x25	30	25	M8	23	2,5
H-T02-30x30	30	30	M8	23	2,5
H-T02-30x40	30	40	M8	23	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-T02-40x30	40	30	M8	23	2,5
H-T02-40x48	40	48	M8	23	2,5
H-T02-40x50	40	50	M8	23	2,5
H-T02-50x30	50	30	M10	28	2,5
H-T02-50x40	50	40	M10	28	2,5
H-T02-60x50	60	50	M10	28	2,5
H-T02-60x65	60	65	M10	28	2,5
H-T02-75x35	75	35	M12	37	2,5
H-T02-75x40	75	40	M12	37	2,5
H-T02-100x75	100	75	M16	43	3

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Rubber-metal-buffer

HoKon
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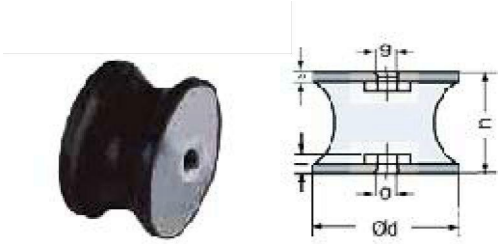
Rubber-metal-buffer, Type "TC "

This article is only available on request.
waisted, with internal thread, duplex

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



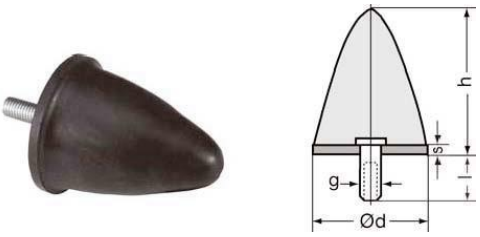
Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-T03-15x15	15	15	M4	4	2
H-T03-15x30	15	30	M4	4	2
H-T03-20x15	20	15	M6	6	2,5
H-T03-25x20	25	20	M6	6	2,5
H-T03-30x20	30	20	M8	8	2,5
H-T03-30x25	30	25	M8	8	2,5
H-T03-30x30	30	30	M8	8	2,5
H-T03-30x40	30	40	M8	8	2,5
H-T03-40x30	40	30	M8	8	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-T03-40x48	40	48	M8	8	2,5
H-T03-40x50	40	50	M8	8	2,5
H-T03-50x30	50	30	M10	10	2,5
H-T03-50x40	50	40	M10	10	2,5
H-T03-60x50	60	50	M10	10	2,5
H-T03-60x65	60	65	M10	10	2,5
H-T03-75x35	75	35	M12	12	2,5
H-T03-75x40	75	40	M12	12	2,5
H-T03-100x75	100	75	M16	16	3

Rubber-metal-buffer, Type "P"

parabolic, with threaded bolts, one-sided
With internal thread on request.

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



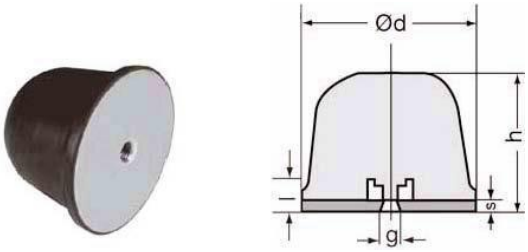
Article no.	Dimensions				
	Ø d	h	g	l	S
H-P-15x15	15	15	M4	13	2
H-P-20x24	20	24	M6	18	2,5
H-P-25x15	25	15	M6	18	2,5
H-P-25x19	25	19	M6	18	2,5
H-P-30x36	30	36	M8	23	2,5
H-P-32x36	32	36	M8	23	2,5

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-P-50x58	50	58	M10	28	2,5
H-P-50x65	50	65	M10	28	2,5
H-P-75x89	75	89	M12	37	2,5
H-P-95x83	95	83	M16	43	2,5
H-P-115x136	115	136	M16	42	3

Rubber-metal-buffer, Type "KE"

conical, with internal thread, one-sided
With external thread on request.

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-KE-50x35	50	35	M10	10	2,5
H-KE-80x60	80	60	M12	12	2,5
H-KE-125x90	125	90	M16	16	4

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Rubber-metal-buffer

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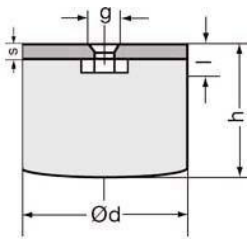
Rubber-metal-buffer
"crane–bump stop "
With internal thread, one-sided
With external thread on request.

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

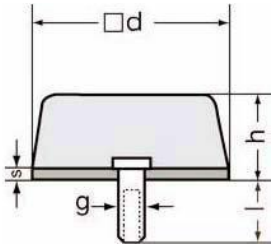


Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-KRA-50x35	50	35	M10	10	2,5
H-KRA-50x40	50	40	M10	10	2,5
H-KRA-63x50	63	50	M10	10	2,5
H-KRA-80x66	80	66	M12	12	2,5
H-KRA-100x84	100	84	M16	16	3

Article no.	Dimensions in mm				
	Ø d	h	g	l	S
H-KRA-125x104	125	104	M16	16	4
H-KRA-160x131	160	131	M16	16	4
H-KRA-200x166	200	166	M20	20	6
H-KRA-250x208	250	208	M20	20	6

Rubber-metal-puffer, Type "KV"
Conical, with threaded bolts, one-sided

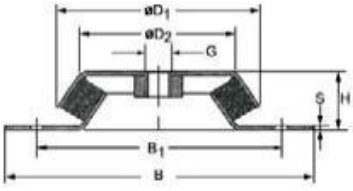
Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

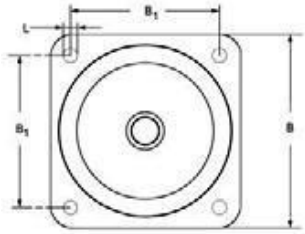


Article no.	Dimensions in mm					
	Length	Wide	h	g	l	s
H-KV-80x25	80	80	25	M12	37	2,5
H-KV-80x30	80	80	30	M12	37	2,5

Rubber-metal-elements
"maschine feed, square, 4-hole "
With internal thread, one-sided

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore





Article no.	Dimensions in mm							
	B	B1	Ø L	D1	Ø D2	G	S	H
H-MF-184	184	150	13	177	126	M20	4,5	63
H-MF-168	168	132	12,5	150	110	M16	4	51,5

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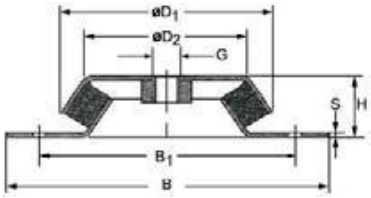
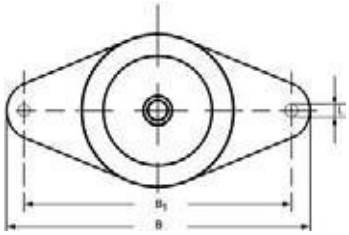
Rubber-metal-buffer





Rubber-metal-elements
"maschine feed, oval, 2-hole "
With internal thread, one-sided

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

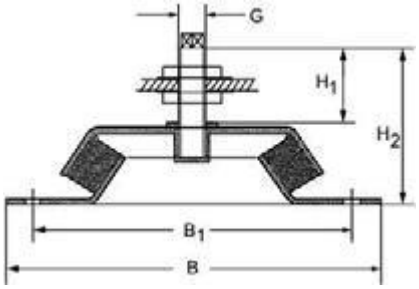
Article no.	Dimensions in mm							
	B	B1	Ø L	D1	Ø D2	G	S	H
H-MF-170	170	140	13	106	88,5	M12	3	39
H-MF-128	128	110	6	78	60,5	M10	2	30

Rubber-metal-elements
"maschine feed oval, 2-hole "
With

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

Article no.	Dimensions in mm							
	B	B1	Ø L	D1	Ø D2	G	S	H
H-MF-170A	170	140	13	106	88,5	M12	3	39
H-MF-128A	128	110	6	78	60,5	M10	2	30

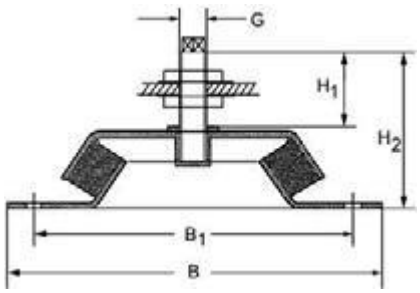
Rubber-metal-elements
"maschine feed square, 4-hole "
With height adjustment



Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

Article no.	Dimensions in mm					
	B	B1	Ø L	G	H1	H2
H-MF-184H	184	150	13	M20x2	147	80
H-MF-168H	168	132	12,5	M20x2	135	80

Rubber-metal-elements
"maschine feed oval, 2-hole "
Execution, with height adjustment"



Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

Article no.	Dimensions in mm					
	B	B1	Ø L	G	H1	H2
H-MF-170H	170	140	13	M16x1,5	106	65
H-MF-128H	128	110	6	M16x1,5	97	68

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Rubber-metal-buffer

HoKon
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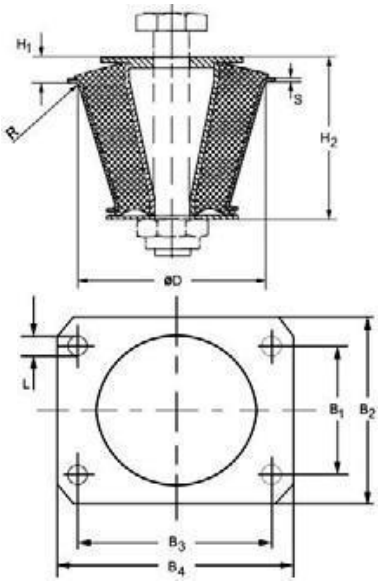
Rubber-metal-elements
"conus bearing "

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

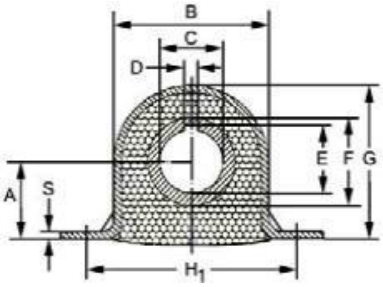


Article no.	Dimensions in mm									
	H1	H2	S	R	Ø D	L	B1	B2	B3	B4
H-KL-140120	23	95	4,5	4	109	11	92	120	112	140
H-KL-120100	20	81	4,3	4	93	11	74	100	90	120
H-KL-107090	19,5	56	3,5	3	78	11	65	90	80	107

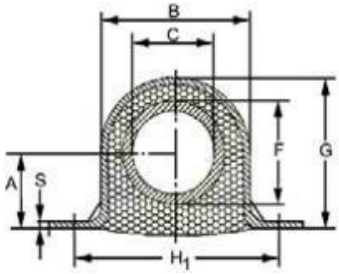
Rubber-metal-elements
"clip-elements "

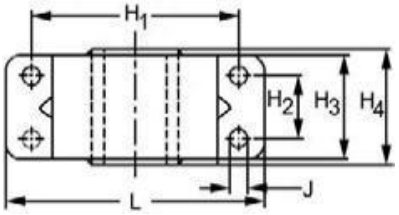
Natural elements in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore

H-BE-108-25



H-BE-108-32

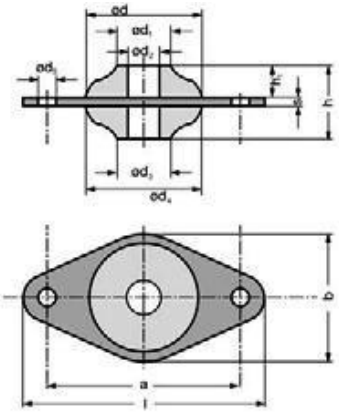




Article no.	Dimensions in mm													
	A	B	C	D	E	F	G	H1	H2	H3	H4	J	L	S
H-BE-108-25	27,5	62	25	6	27,5	35	58,5	85	24	40	45	8,5	108	3,5
H-BE-108-32	27,5	62	32	-	-	40	58,5	85	25	40	45	9	108	3,5

Rubber-metal-elements
"flange-elements "

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



Article no.	Dimensions in mm										
	Ø d	h	l	Ø d1	Ø d2	Ø d3	Ø d4	a	b	h1	Ø d5	S
H-FE-721	68	49	117	39	16	37	65	94	71	28	9	5

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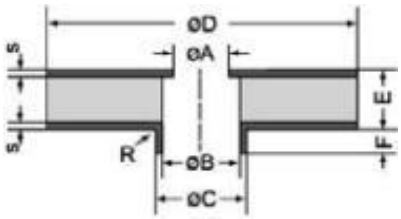
Rubber-metal-buffer

Rubber-metal-elements
"ring-element "

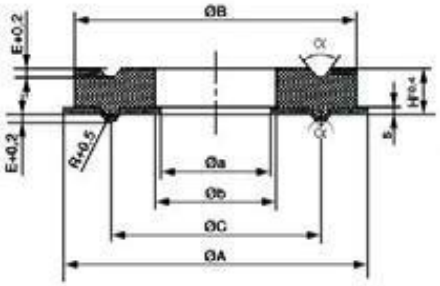
Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



Article no.	Dimensions in mm							
	Ø D	Ø A	Ø B	Ø C	E	F	s	R
H-R-36x10	36	8,5	12	17	10	3	1,5	1
H-R-36x12	36	8,5	12	18	12	4	1	1
H-R-41x15,5	41	8,5	15	17	20	5	1	1
H-R-50x16,5	50	16,5	20	23	13	9,5	1,5	2,5
H-R-60x12	60	20,5	24	27	13	10,5	1,5	2,5

Rubber-metal-elements
"spring washers "

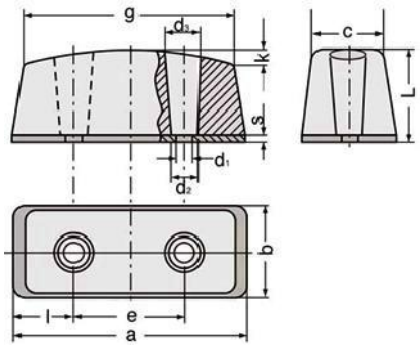
Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



Article no.	Dimensions in mm										
	Ø A	Ø a	Ø B	Ø b	Ø C	H	s	E	α	R	r
H-FS-6511	65	26	62	30	46	11	1	2,5	60	2	0,5
H-FS-9510	95	45	90	50	70	10,5	1,5	2,5	60	2,5	1
H-FS-10027	100	35	90	40	64	27,5	1,5	3,5	60	3	1
H-FS-11015	110	40	102	44	76	15,8	1,75	3,5	60	3	1
H-FS-13016	130	55	123	60	90	16	2	5	60	4	2
H-FS-15330	153	55	145	60	102	30	2	5	60	4	2
H-FS-16423	164	60	156	64	110	23	2	4	60	4	2
H-FS-21020	210	95	200	100	154	20	2	6	60	6	1,2
H-FS-22062	220	66	200	100	154	62	2	6	60	6	1,2
H-FS-24025	240	70	230	76	154	25	2	6	60	5	2

Rubber-metal-elements
"gear-buffer "

Natural rubber in 55° shore -"intermediate"
On request also available in 45°, 65°, 70° Shore



Article no.	Dimensions in mm											
	a	b	d1	d2	d3	e	g	l	k	s	C	L
H-RP-35	80	40	7	11	15	45	75	17,5	5	4	35	45
H-RP-45	150	60	11,5	18	24	70	134	40	9	4	45	59
H-RP-80	200	100	13,5	21	28	90	168	55	12	4	80	100
H-RP-100	250	125	13,5	21	32	100	212	75	20	4	100	135

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Rubber-metal-buffer

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Load table for miscellaneous types with different rubber hardness

The given acceptable loads constitute only approximate values for statical loads

Hard: ca. 70 Shore A Middle: ca. 55 Shore A Soft: ca. 45 Shore

Article no.: H-01... type A

Dimensions in mm				Compressive stresses						Shoe stresses					
				Spring rate c2 in N/mm			Acceptable load F in N			Spring rate c x/y in N/mm			Acceptable load F in N		
D	H	G	L	Hard	Middle	Soft	Hard	Middle	Soft	Hard	Middle	Soft	Hard	Middle	Soft
20	15	M6	18	300	190	120	500	320	200	60	40	30	190	120	70
30	15	M8	23	670	410	250	1100	700	400	90	60	40	350	210	130
30	30	M8	23	240	150	100	900	570	340	50	30	20	430	280	170
40	30	M8	23	480	300	170	1800	1110	670	90	60	30	770	500	250
50	20	M10	28	2400	1500	900	5000	3190	1870	240	160	100	1200	770	460
50	40	M10	28	600	380	220	2800	1750	1050	120	80	50	1280	800	460
75	25	M12	37	5000	2900	1700	12800	8000	4700	410	260	160	2800	1750	1030
75	55	M12	37	650	400	240	4700	3000	1750	130	80	50	2100	1300	800
100	40	M16	43	3000	1900	1100	15200	9500	5600	370	220	140	4450	2770	1650
100	55	M16	43	1600	1120	700	12900	8000	4800	300	190	130	4450	2770	1650
100	75	M16	43	1250	710	430	10100	6130	3710	250	160	90	4400	2700	1600
150	75	M16	43	2900	1900	1200	17500	10600	6500	490	310	210	6130	3910	2150
150	75	M20	43	2900	1900	1200	17500	10600	6500	490	310	210	6130	3910	2150
200	100	M20	46	3510	2490	1450	32600	20050	12160	520	380	220	11900	7120	4260

Article no. H-02... type B

Dimensions in mm				Compressive stresses						Shoe stresses					
				Spring rate c2 in N/mm			Acceptable load F in N			Spring rate c x/y in N/mm			Acceptable load F in N		
D	H	G	L	Hard	Middle	Soft	Hard	Middle	Soft	Hard	Middle	Soft	Hard	Middle	Soft
25	20	M6	18	320	160	120	490	320	190	70	45	25	230	160	90
30	20	M8	23	660	430	260	830	520	310	100	75	50	330	210	130
30	30	M8	23	350	220	130	750	450	280	70	50	30	350	220	130
40	30	M8	23	550	350	210	1250	750	450	110	70	40	520	330	200
50	40	M10	28	560	370	220	2100	1270	760	120	80	45	930	580	350
50	50	M10	28	350	220	130	1750	1100	650	80	50	30	800	510	310
75	50	M12	37	950	630	330	4700	2910	1720	180	120	80	1900	1200	710
100	40	M16	43	3300	1700	1200	6800	4300	2600	450	250	150	2300	1400	850
100	75	M16	43	1100	700	410	7400	4500	2700	210	120	70	2900	1910	1090

Article no. H-03... type C

Dimensions in mm				Compressive stresses						Shoe stresses					
				Spring rate c2 in N/mm			Acceptable load F in N			Spring rate c x/y in N/mm			Acceptable load F in N		
D	H	G	L	Hard	Middle	Soft	Hard	Middle	Soft	Hard	Middle	Soft	Hard	Middle	Soft
20	25	M6	6	200	130	80	300	190	120	50	30	20	150	90	60
30	30	M8	8	590	380	220	720	450	270	90	60	50	260	170	110
40	30	M8	8	900	570	340	1080	680	410	150	90	60	380	240	140
50	30	M10	10	1700	1090	650	2500	1750	950	210	150	70	470	290	170
50	50	M10	10	360	220	140	1390	870	520	80	40	30	610	390	230
75	50	M12	12	1010	630	370	3650	2050	1200	200	130	80	1560	980	580
100	75	M16	16	1300	800	480	4700	2900	1690	210	140	70	1950	1250	700
150	75	M16	16	2650	1650	980	14800	9100	5500	430	270	170	5450	3400	2010
200	100	M20	20	3500	2300	1300	33300	20700	12900	510	330	210	11000	6810	4000

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Rubber-metal-buffer

Load table for miscellaneous types with different rubber hardness

The given acceptable loads constitute only approximate values for statical loads

Middle: ca. 55 Shore A
Article no. H-04... type D

Dimensions in mm				Compressive stresses	
				Spring rate c 2 in N/mm	Acceptable load F in N
D	H	G	L	Middle	Middle
18	7,5	M4	11	340	240
25	20	M6	18	150	260
30	20	M8	23	330	730
40	30	M8	23	250	950
50	20	M10	28	660	1750
75	25	M12	37	1430	4650
100	40	M16	43	1450	7850
200	100	M20	43	2000	18000

Article no.: H-05... type E

Dimensions in mm			Compressive stresses	
			Spring rate c 2 in N/mm	Acceptable load F in N
d	h	ig	Middle	Middle
20	15	M6	200	240
30	15	M8	580	660
40	30	M8	360	940
50	20	M10	740	1150
75	25	M12	1730	3250
100	40	M16	1450	5030
150	75	M16	1510	12240
200	100	M20	2200	23000

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Rubber-metal-buffer

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Overview of materials
According to ASTM-D 1418-76

● = deliverable material

			Polymer	Varied trade names
●	1	NR	Natural caoutchouc	
	2	IR	Isoprene caoutchuc	Natsyn, Criflex IR
●	3	SBR	Styrene butadiene caoutchuc	Buna Hüls, Polysar S, Soprene
	4	BR	Butadiene caoutchuc	Buna CB, Polybutadien K
●	5	IIR	Butyl caoutchuc	Poysar Butyl, Esso-Butyl
●	6	EPDM	Ethylene-propylene terpolymerisat	Keltan, Buna AP, Dutral
●	7	NBR	Acrylonitrile butadiene caoutchuc	Perbunan, Polysar-Krynac
	8	CO, ECO	Epichlorhydrin caoutchuc	Herclor, Hydrin
●	9	CR	Chloroprene caoutchuc	Baypren, Neoprene
	10	CSM	Chlorosulfonated polyethylene	Hypalon
	11	AU, EU	Urethane caoutchuc	Urepan, Adiprene C
	12	T	Polysulfide caoutchuc	Thiokol
	13	SI	Silicone caoutchuc	Silopren
	14	FSI	Fluorine-silicone caoutchuc	Silastic
	15	FKM	Fluorine caoutchuc	Viton, Fluorel, Tecnoflon
	16	ACM	Polyacrylate caoutchuc	Hycar
	17	PUR	Polyurethane	Vulkollan
	18	PTEE	Polytetrafluoroethylene	Teflon, Hostaflon

Overview table
Qualities of the individual materials

Qualities	NR	IR	SBR	BR	IIR	EPDM	NBR	ECO	CR	CSM	AU	T	SI	FSI	FKM	ACM	PUR	PTFE
Tear resistance non-reinforced	1	2	5	6	4	5	5	5	3	5	2	6	6	6	5	6	1	1
Tear resistance reinforced	1	2	2	4	3	3	2	3	2	3	1	5	4	4	3	3	-	1
Elongation at break	1	1	2	3	2	3	2	3	2	3	2	4	4	4	3	3	2	3
Rebound elasticity	2	2	3	1	6	3	3	2	3	4	3	4	3	3	5	5	2	x
Abrasion resistance	2	2	2	1	3	3	2	3	2	3	1	5	5	5	4	4	1	3
Initial tear resistance	2	2	3	5	3	3	3	3	2	4	3	4	6	6	3	4	1	2
Electrical resistance	1	1	2	2	2	2	4	5	3	4	3	3	1	1	4	4	2	1
Temperature range, hot +°C	90	90	100	100	140	150	130	145	120	130	120	140	200	200	220	160	80	260
Temperature range, cold -°C	50	40	40	60	40	40	40	40	30	40	20	30	80	80	25	20	35	190
Ageing resistance	3	3	3	3	2	1	3	2	2	2	2	3	1	1	1	2	1	1
Ozone resistance	4	4	4	3	2	1	3	2	2	2	2	2	1	1	1	2	1	1
Petrol resistance	6	6	4	5	6	5	1	1	2	2	1	1	5	1	1	1	2	1
Oil and fat resistance	6	6	5	6	6	4	1	1	2	2	4	4	4	4	4	4	2	1
Acid resistance	3	3	3	3	2	1	4	5	2	2	5	4	5	4	1	5	6	1
Mineral oil resistance	3	3	3	3	2	2	3	5	2	2	5	3	5	4	1	5	6	1
Hot water	3	3	2	3	1	2	3	4	3	3	5	3	5	4	2	5	6	1

1 = excellent,
2 = very good, 3 = good,
4 = moderate,
5 = low,
6 = insufficient,
x = no comparison with elastomer

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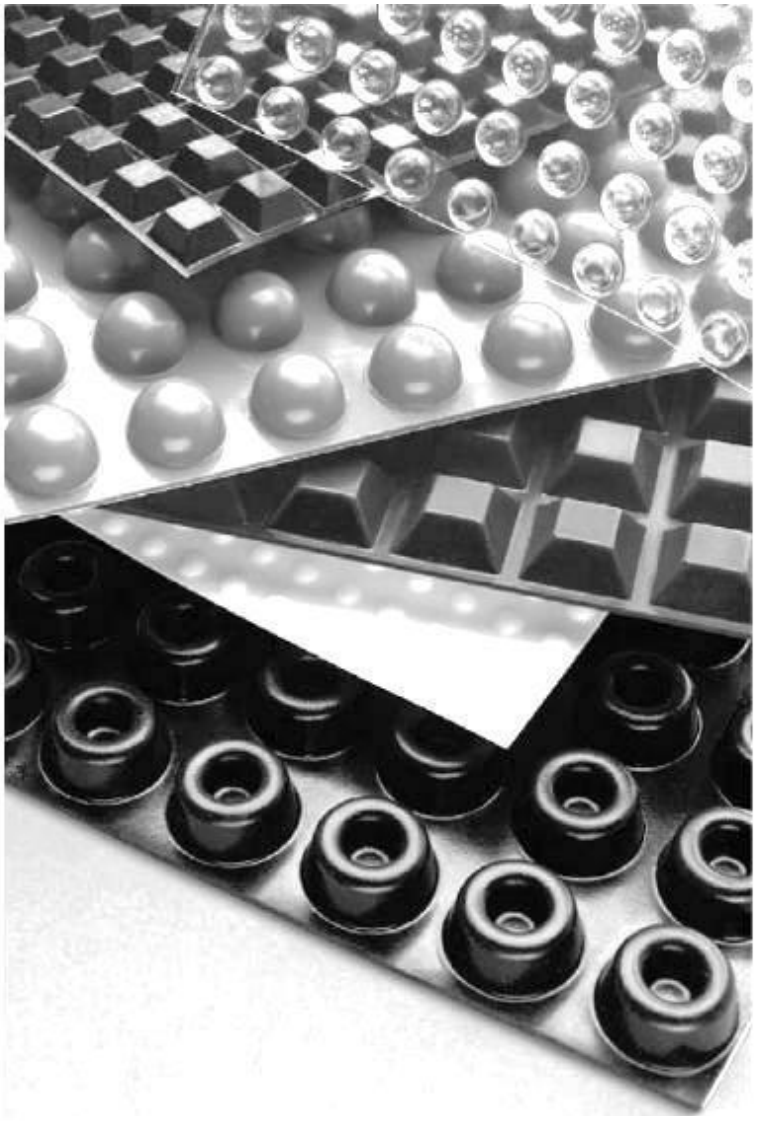
Self adhesive rubber buffers
„Bumper “



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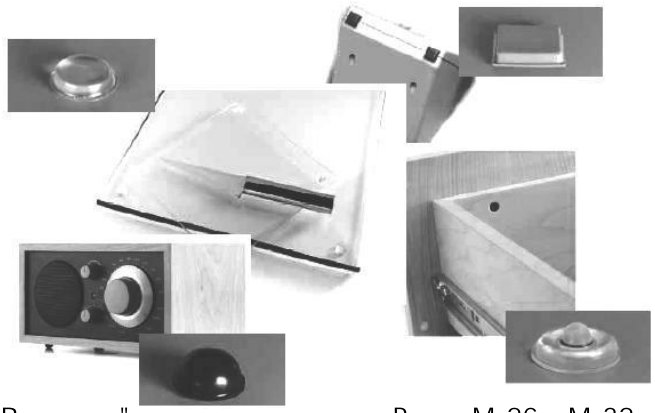
Self adhesive rubber buffers „Bumper "

- Easy handling
- Excellent wear resistance
- Elastic, break-proof, indestructible
- Not any decloration
- No damage of the surface
- Vibrations- and shock absorbing
- Great skid- and friction resistance
- Contains no softening agents, oils or fillers
- RoHS-conform
- UL-audited



Adhesive rubber buffers - "Bumpers"	Pages M-26 – M-32
Adhesive rubber buffers - Cylindrical	Page M-28
Adhesive rubber buffers - Half round	Page M-29
Adhesive rubber buffers - Square	Page M-30
Adhesive rubber buffers - Cylindrical countersunk	Page M-31
Adhesive rubber buffers - Silencing	Page M-31
Adhesive rubber buffers - Conical	Page M-31
Adhesive rubber buffers - Technical information	Page M-32

Ordering example:

Art.No. HS-33 . GL-R

- HS-33 . GL-R: Adhesive „Typ: „A "or „R "
- GL-R: Colour: CL-transparent, BK-black
- HS-33: Bumper execution

Adhesive rubber buffers "Bumpers "

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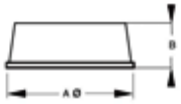
Adhesive
Rubber buffers „Bumper"

Cylindrical		Article no.	Colour	Colour		VPE	Carton	MOQ
				A Ø	B	Piece	Piece	Piece
		P-HS-34-CL-R	None	9.5	3.2	300	6,000	300
		P-HS-34-BK-R	Black	9.5	3.2	300	6,000	6,000
		P-HS-34-GR-R	Gray	9.5	3.2	300	6,000	6,000
		P-HS-34-WH-R	White	9.5	3.2	300	6,000	6,000
		P-HS-35-CL-R	None	9.5	4.8	200	5,000	200
		P-HS-35-BK-R	Black	9.5	4.8	200	5,000	5,000
		P-HS-05-CL-R	None	12.7	1.5	200	5,000	200
		P-HS-05-BK-R	Black	12.7	1.5	200	5,000	200
		P-HS-05-GR-R	Gray	12.7	1.5	200	5,000	5,000
		P-HS-05-WH-R	White	12.7	1.5	200	5,000	5,000
		P-HS-05-BR-R	Braun	12.7	1.5	200	5,000	5,000
		P-HS-01-CL-R	None	12.7	3.5	200	5,000	200
		P-HS-01-BK-R	Black	12.7	3.5	200	5,000	200
		P-HS-01-GR-R	Gray	12.7	3.5	200	5,000	5,000
		P-HS-01-WH-R	White	12.7	3.5	200	5,000	5,000
		P-HS-01-BR-R	Brown	12.7	3.5	200	5,000	5,000
		P-HS-06-CL-R	None	12.7	6.4	200	5,000	200
		P-HS-06-BK-R	Black	12.7	6.4	200	5,000	200
		P-HS-06-WH-R	White	12.7	6.4	200	5,000	5,000
		P-HS-11-CL-R	None	16.5	10.2	128	2,560	128
		P-HS-11-BK-R	Black	16.5	10.2	128	2,560	128
		P-HS-11-GR-R	Gray	16.5	10.2	128	2,560	2,560
		P-HS-44-CL-R	None	19.1	4.1	98	2,450	98
		P-HS-44-BK-R	Black	19.1	4.1	98	2,450	98
		P-HS-44-WH-R	White	19.1	4.1	98	2,450	2,450
		P-HS-41-CL-R	None	19.8	5.1	84	3,360	84
		P-HS-41-BK-R	Black	19.8	5.1	84	3,360	84
		P-HS-41-GR-R	Gray	19.8	5.1	84	3,360	3,360
		P-HS-24-CL-R	None	20.6	3.0	72	2,520	72
		P-HS-24-BK-R	Black	20.6	3.0	72	2,520	2,520
		P-HS-24-GR-R	Gray	20.6	3.0	72	2,520	2,520
		P-HS-24-WH-R	White	20.6	3.0	72	2,520	2,520
		P-HS-24-BR-R	Brown	20.6	3.0	72	2,520	2,520
		P-HS-72-CL-R	None	31.24	2.54	32	2,400	32
		P-HS-72-BK-R	Black	31.24	2.54	32	2,400	2,400

All colours in mm · MOQ = Minimum order quantity or a multiple thereof.
Adhesive rubber buffers "Bumpers "

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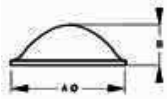
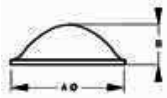
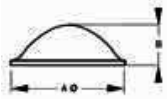
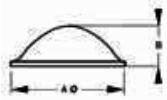
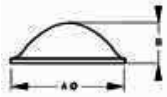
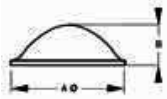
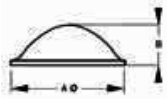
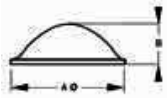
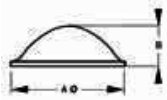
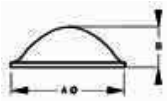
Adhesive
Rubber buffers „Bumper"

Half round		Article no.	Colour	Colour A Ø	Colour B	VPE Piece	Carton Piece	MOQ Piece
		P-HS-40-CL-R	None	6.4	1.6	272	11,424	272
		P-HS-40-BK-R	Black	6.4	1.6	272	11,424	272
		P-HS-40-WH-R	White	6.4	1.6	272	11,424	11,424
		P-HS-25-CL-R	None	6.4	2.1	450	5,400	450
		P-HS-25-BK-R	Black	6.4	2.1	450	5,400	5,400
		P-HS-27-CL-R	None	7.9	2.2	75	5,400	75
		P-HS-27-BK-R	Black	7.9	2.2	75	5,400	5,400
		P-HS-07-CL-R	None	8.5	2.2	144	5,040	144
		P-HS-07-BK-R	Black	8.5	2.2	144	5,040	5,040
		P-HS-07-WH-R	White	8.5	2.2	144	5,040	5,040
		P-HS-12-CL-R	None	9.5	3.8	72	7,200	72
		P-HS-12-BK-R	Black	9.5	3.8	72	7,200	7,200
		P-HS-12-GR-R	Gray	9.5	3.8	72	7,200	7,200
		P-HS-12-WH-R	White	9.5	3.8	72	7,200	7,200
		P-HS-12-BR-R	Brown	9.5	3.8	72	7,200	7,200
		P-HS-22-CL-R	None	9.5	5.4	300	6,000	300
		P-HS-22-BK-R	Black	9.5	5.4	300	6,000	6,000
		P-HS-02-CL-R	None	11.1	5.1	242	5,082	242
		P-HS-02-BK-R	Black	11.1	5.1	242	5,082	242
		P-HS-02-GR-R	Gray	11.1	5.1	242	5,082	5,082
		P-HS-02-WH-R	White	11.1	5.1	242	5,082	5,082
		P-HS-02-BR-R	Brown	11.1	5.1	242	5,082	5,082
		P-HS-15-CL-R	None	15.7	7.9	128	3,200	128
		P-HS-15-BK-R	Black	15.7	7.9	128	3,200	128
		P-HS-15-GR-R	Gray	15.7	7.9	128	3,200	3,200
		P-HS-15-WH-R	White	15.7	7.9	128	3,200	3,200
		P-HS-15-BR-R	Brown	15.7	7.9	128	3,200	3,200
		P-HS-08-CL-R	None	17.8	9.6	98	2,254	98
		P-HS-08-BK-R	Black	17.8	9.6	98	2,254	2,254
		P-HS-08-GR-R	Gray	17.8	9.6	98	2,254	2,254
		P-HS-08-WH-R	White	17.8	9.6	98	2,254	2,254
		P-HS-39-CL-R	None	19.1	1.9	84	5,040	84
		P-HS-39-BK-R	Black	19.1	1.9	84	5,040	5,040

All colours in mm · MOQ = Minimum order quantity or a multiple thereof.
Adhesive rubber buffers "Bumpers "

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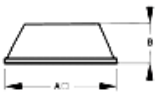
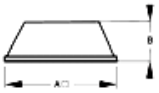
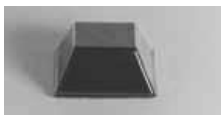
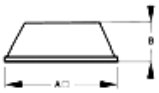
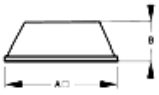
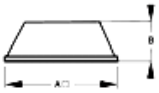
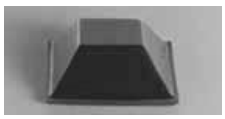
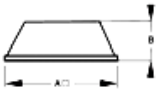
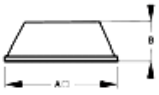
Adhesive
Rubber buffers „Bumper"

Square		Article no.	Colour	Colour A□	Colour B	VPE Piece	Carton Piece	MOQ Piece
		P-HS-20-CL-R	None	10.2	2.5	242	5,082	242
		P-HS-20-BK-R	Black	10.2	2.5	242	5,082	5,082
		P-HS-20-GR-R	Gray	10.2	2.5	242	5,082	5,082
		P-HS-20-WH-R	White	10.2	2.5	242	5,082	5,082
		P-HS-20-BR-R	Brown	10.2	2.5	242	5,082	5,082
		P-HS-32-CL-R	None	12.7	3.0	200	5,000	200
		P-HS-32-BK-R	Black	12.7	3.0	200	5,000	200
		P-HS-32-GR-R	Gray	12.7	3.0	200	5,000	5,000
		P-HS-32-WH-R	White	12.7	3.0	200	5,000	5,000
		P-HS-32-BR-R	Brown	12.7	3.0	200	5,000	5,000
		P-HS-03-CL-R	None	12.7	5.8	200	5,000	200
		P-HS-03-BK-R	Black	12.7	5.8	200	5,000	5,000
		P-HS-03-GR-R	Gray	12.7	5.8	200	5,000	5,000
		P-HS-03-WH-R	White	12.7	5.8	200	5,000	5,000
		P-HS-03-BR-R	Brown	12.7	5.8	200	5,000	5,000
		P-HS-29-CL-A	None	19.8	6.4	98	2,940	98
		P-HS-29-BK-A	Black	19.8	6.4	98	2,940	2,940
		P-HS-29-BR-A	Brown	19.8	6.4	98	2,940	2,940
		P-HS-04-CL-R	None	19.8	9.7	1	2,000	100
		P-HS-04-BK-R	Black	19.8	9.7	1	2,000	2,000
		P-HS-04-GR-R	Gray	19.8	9.7	1	2,000	2,000
		P-HS-04-BR-R	Brown	19.8	9.7	1	2,000	2,000
		P-HS-19-CL-R	None	20.6	7.6	98	2,646	98
		P-HS-19-BK-R	Black	20.6	7.6	98	2,646	98
		P-HS-19-GR-R	Gray	20.6	7.6	98	2,646	2,646
		P-HS-19-BR-R	Brown	20.6	7.6	98	2,646	2,646
		P-HS-36-CL-R	None	25.4	4.6	55	2,310	2,310
		P-HS-36-BK-R	Black	25.4	4.6	55	2,310	2,310
		P-HS-36-GR-R	Gray	25.4	4.6	55	2,310	2,310

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Adhesive rubber buffers "Bumpers "

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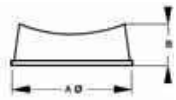
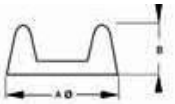
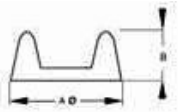
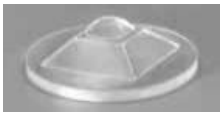
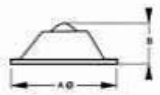
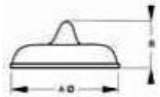
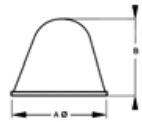
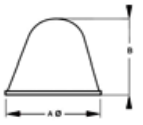
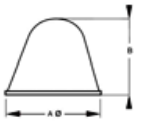
Adhesive
Rubber buffers „Bumper“

Cylindrical countersunk		Article no.	Colour	Colour A Ø	Colour B	VPE Piece	Carton Piece	MOQ Piece
		P-HS-18-CL-R	None	12.7	3.5	200	5,000	200
		P-HS-18-BK-R	Black	12.7	3.5	200	5,000	5,000
		P-HS-18-GR-R	Gray	12.7	3.5	200	5,000	5,000
		P-HS-18-WH-R	White	12.7	3.5	200	5,000	5,000
		P-HS-17-CL-R	None	22.3	10.2	72	1,440	72
		P-HS-17-BK-R	Black	22.3	10.2	72	1,440	72
		P-HS-17-GR-R	Gray	22.3	10.2	72	1,440	1,440
		P-HS-17-WH-R	White	22.3	10.2	72	1,440	1,440
		P-HS-17-BR-R	Brown	22.3	10.2	72	1,440	1,440
		P-HS-30-CL-A	None	46.0	15.2	1	500	500
		P-HS-30-BK-A	Black	46.0	15.2	1	500	500
		P-HS-30-GR-A	Gray	46.0	15.2	1	500	500
		P-HS-30-WH-A	White	46.0	15.2	1	500	500
		P-HS-30-BR-A	Brown	46.0	15.2	1	500	500

Silencing		Article no.	Colour	Colour A Ø	Colour B	VPE Piece	Carton Piece	MOQ Piece
		P-HS-33-SD-CL-R	None	12.7	3.8	200	5,000	200
		P-HS-58-SD-CL-R	None	12.7	5.1	200	5,000	200

Conical		Article no.	Colour	Colour A Ø	Colour B	VPE Piece	Carton Piece	MOQ Piece
		P-HS-37-CL-A	None	18.3	14.2	1	1,500	1,500
		P-HS-37-BK-A	Black	18.3	14.2	1	1,500	1,500
		P-HS-47-CL-A	None	19.1	19.1	1	1,000	1,000
		P-HS-47-BK-A	Black	19.1	19.1	1	1,000	1,000
		P-HS-57-CL-A	None	20.0	22.5	1	1,000	1,000
		P-HS-57-BK-A	Black	20.0	22.5	1	1,000	1,000

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Adhesive
Rubber buffers „Bumper“

Technical information - Adhesive rubber buffers “Bumpers “

Material: polyurethane	Standard	SD-Completion
Hardness shore A	60° - 70°	50° - 55°
Tensile strength g/cm 2	44,802	52,730
Ultimate strain %	192	607
Breaking strength g/cm	38,216	22,680
Wearing resistance g/1000 cycles	0.016	0.010
Flammability:	UL-94 HBF	UL-94 HBF

Die SD-Completion is used specially for silencing.
The completion is not designed for heavy loads.

Tolerances: + / – 0.5 mm

Colours: None, Black, White, Gray, and Brown (see table).
The crystal-clear bumper is almost invisible in gleam or translucent applications.

Adhesive:
Type R: Standard for all Bumpers, except
P-HS-29, P-HS-30, P-HS-37, P-HS-47, P-HS-57
Dynamic synthetical rubber adhesive
with high shearing force, solvent based
Temperature processing: +18° ... + 65° C
Durability: +18° ... + 82° C
Type A: deliverable on enquiry, for
P-HS-29, P-HS-30, P-HS-37, P-HS-47,
P-BS-57 standard.
Powerful acrylic-adhesive with high shearing force,
fast liability, cold resistant,
solvent based
Temperature processing: + 18° ... + 65° C
Durability: -40° ... + 149° C

Storage: by 23° C and 55% rel.
air humidity
Delivery form: on punched cards
Amount of Bumpers, see table (VPE)

Usage instructions:

To achieve the highest liability, the surface must be smooth, even, not porous, dry, clean and free from oil, fat, solvents and dirt. Through bending of the carrier plate, the bumpers can be taken off easily. At doing this do not touch the adhesive. Press the bumpers with sufficient pressure to achieve a complete connection. After 24 hours the maximal liability is achieved and the bumpers can suspend great forces or weights.
The bumpers do not contain any plasticizers, which could possibly damage the surface. The user should prove the suitability of the bumpers for the specifical utility, under the given conditions.

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Drawer slides

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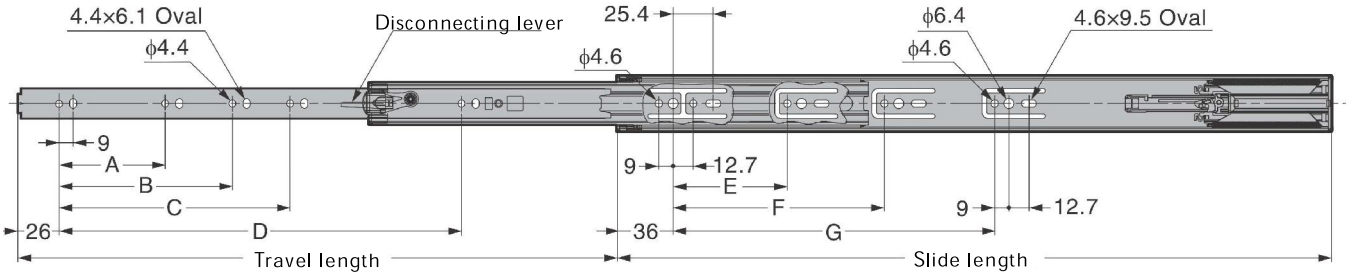
Drawer slides

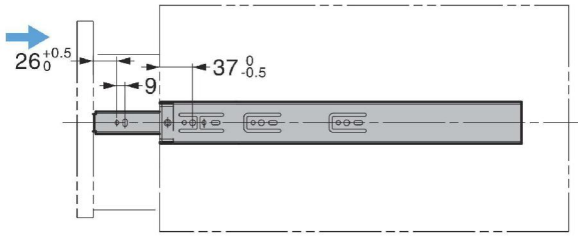
Art. no.: 150.3670 (Soft-close)

Full extension (3 members)
The maximum width of the drawer is the slide length +200mm.

Sold in pairs.

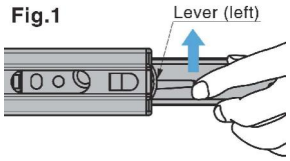
Article no.			Dimensions in mm							Travel length	Load capacity in N/pair	Soft-closes mechanism distance from closed position in mm
Series	Execution (Slide length)	Material: Zinc plated / Steel	A	B	C	D	E	F	G			
150.3670	-250	.04	124	-	-	-	87	-	-	200	147	20
	-300		174				119			300		
	-350		96	224				183		350		
	-400		160	256				199		400	196	36
	-450		96	192	306			247		450		
	-550		128	224	356			215	295	500		
	-600				352	406			343	550		
	-650				384	456		247	375	600		





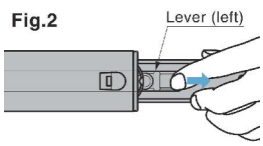
Easy to detach:

Fig.1



Simultaneously move the left lever upwards and the right lever downwards.

Fig.2



Move the left and right levers towards you at the same time.

Fig.3

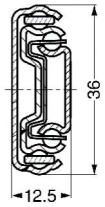
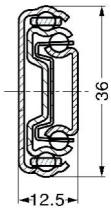
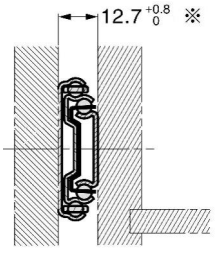


Fig.4





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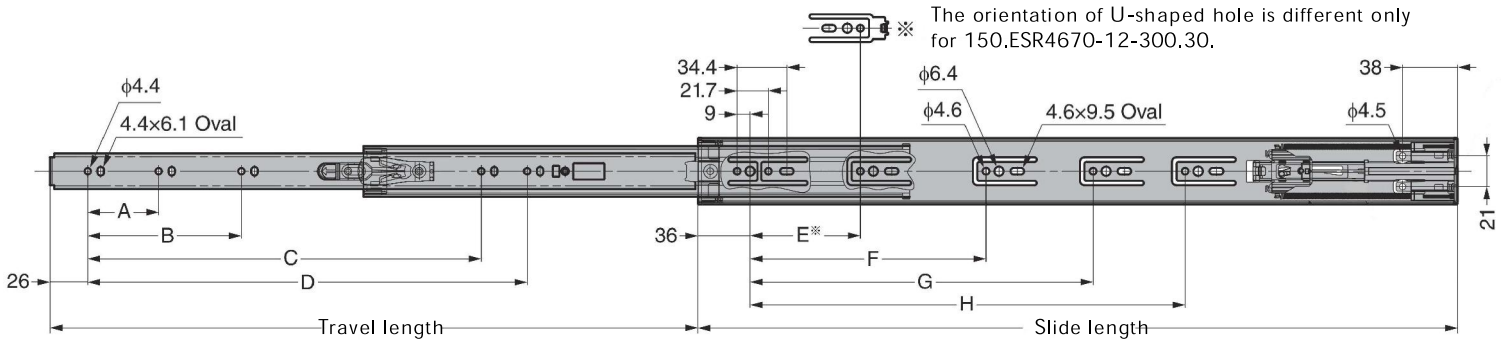
Drawer slides

Art. no.: 150.ESR4670 (Soft-close)

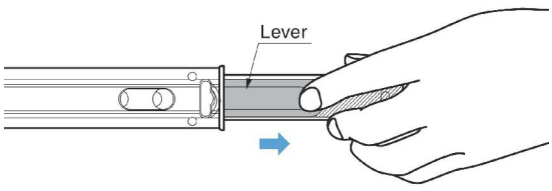
Full extension (3 members)
The maximum width of the drawer is the slide length +200mm.

Sold in pairs.

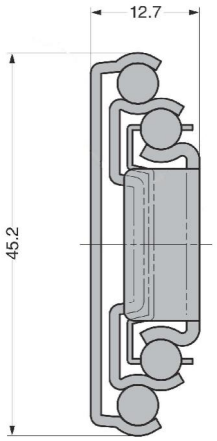
Article no.			Dimensions in mm								Travel length	Load capacity in N/pair	Soft-closes mechanism distance from closed position in mm
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E	F	G	H			
150.ESR4670	-12-300	.30	-	-	-	174	145	-	-	-	265	157	20
	-14-350					224	151				340		
	-16-400		96			256	167				400	196	36
	-18-450		128			306	119	215			450	294	
	-20-500		96	160		344		279			500	343	
	-22-550					394		215	311		550		
	-24-600		128	192		444		247	375		600		
	-26-650			224	416	494		215	311	407	650		
	-28-700				480	544			343	471	700		



Easy to detach:



The drawer can be detached by pulling the lever in the direction oft he arrow.



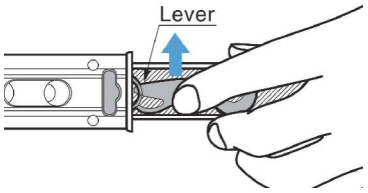
Drawer slides

Art. no.: 150.4670 (Soft-close)

Full extension (3 members)
The maximum width of the drawer is the slide length +200mm.

The articles "150.4670-250.04" to "150.4670-600.04"
are also available in black chromate.

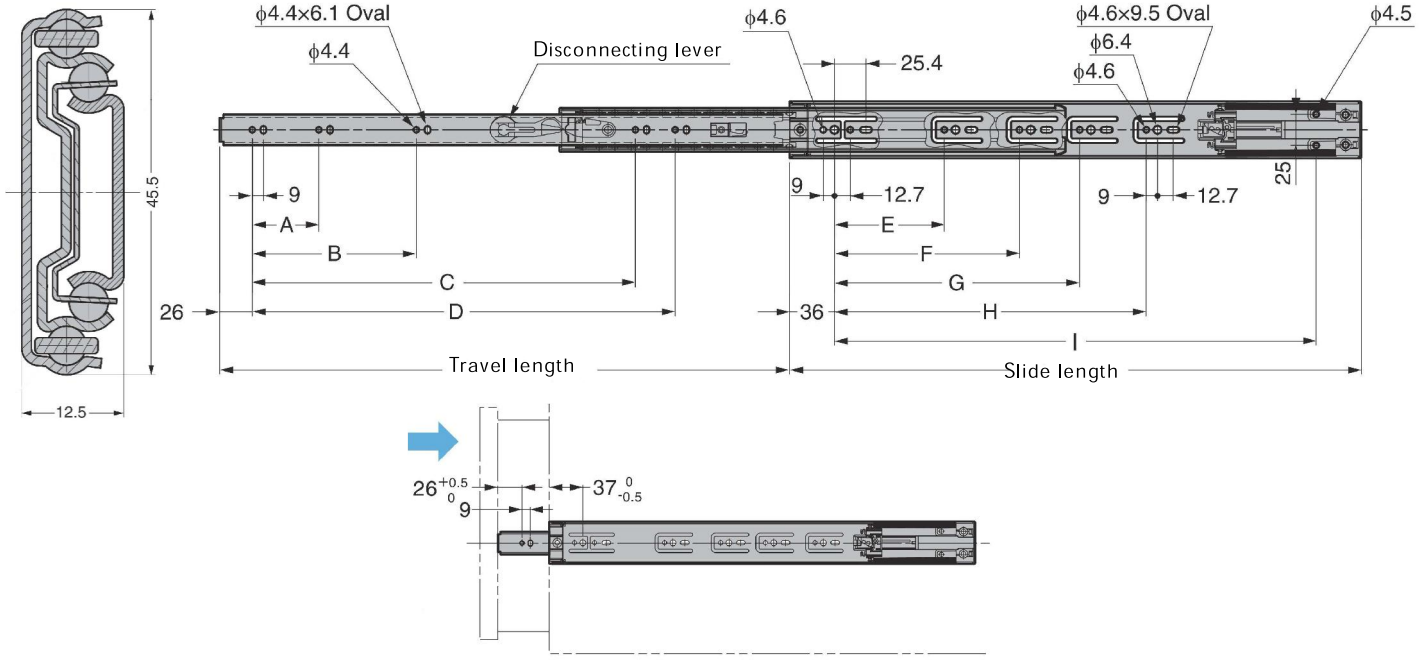
Easy to detach:



Simultaneously move the left lever upwards and the right lever downwards.

Sold in pairs.

Article no.				Dimensions in mm									Travel length	Load capacity in N/pair	Soft-closes mechanism distance from closed position in mm
Series	Execution (Slide length)	Material: Zinc plated	Material: Steel	A	B	C	D	E	F	G	H	I			
150.4670	-250	.04	BL.07	-	-	124	-	87	-	-	-	179	175	147	20
	-300					174		119	183			229	275	196	
	-350			96		224			199			279	353	245	
	-400					254			247			329	404		36
	-450			128		294			295			379	455	294	
	-500			96	160	344			215	343		429	505	343	
	-550					394						479	556	392	
	-600			128	96	444						529	606	294	
	-650		-		128	416	494				439	579	653		
	-700					480	544				487	629	704		



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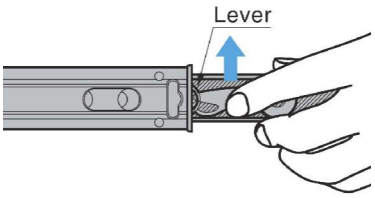
Drawer slides

Art. no.: 150.L52145 (Soft-close)

Full extension (3 members)
Travel length is slide length – 50mm (approx.).

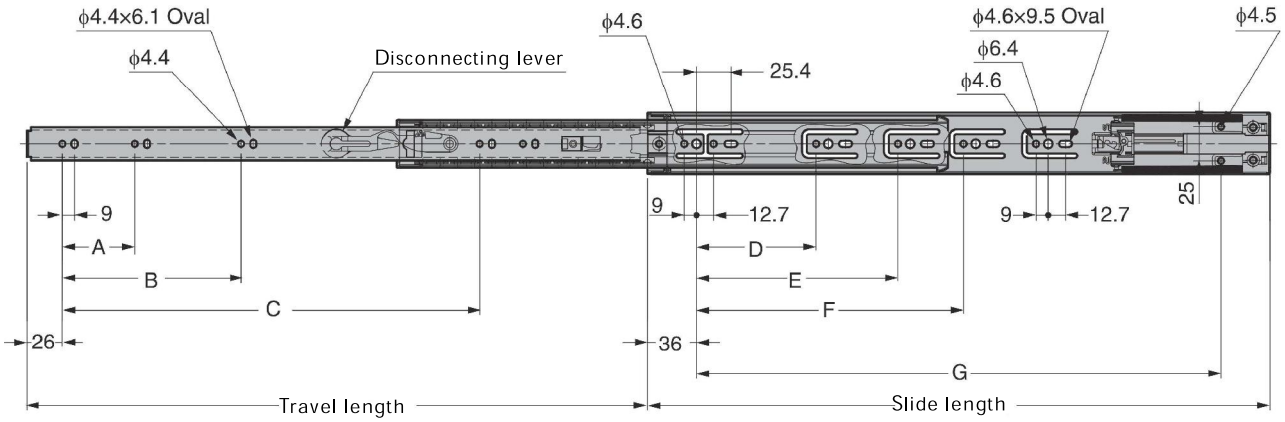
Easy to detach:

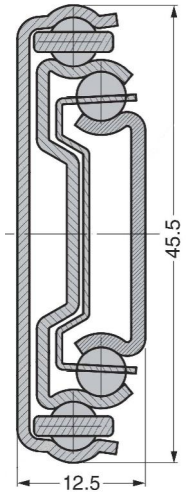


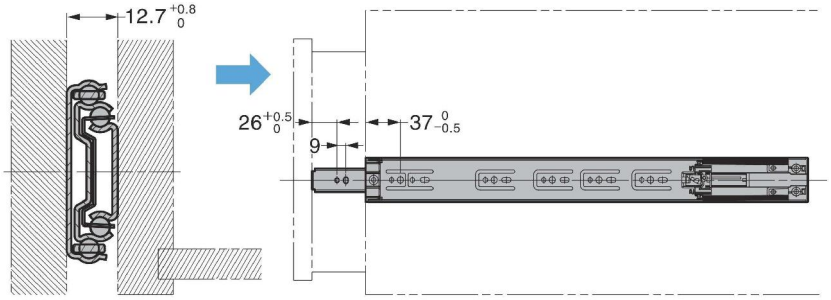
Simultaneously move the left lever upwards and the right lever downwards.

Sold in pairs.

Article no.			Dimensions in mm						Travel length	Load capacity in N/pair	Soft-closes mechanism distance from closed position in mm
Series	Execution (Slide length)	Material: Zinc plated / Steel	A	B	C	D	E	F			
150.L52145	-410	.04	96	224	-	160	-	362,5	360	540	50
	-460		128	256	16	224		412,5	403		
	-510			288		256		462,5	453		
	-560		160	352		224	320	512,5	502		
	-610		192	384			352	562,5	552		
	-660			416			416	612,5	604		
	-710		224	480				662,5	651		







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Drawer slides

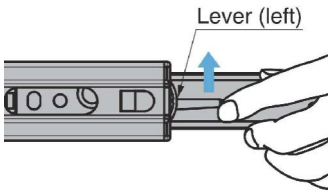
Art. no.: 150.3660 (Push to open)

Full extension (3 members).

Hex key included.

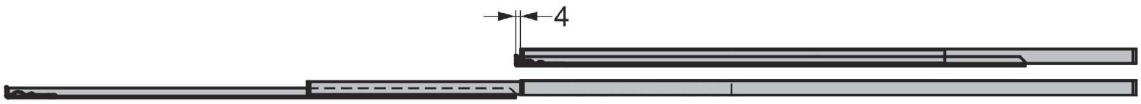
Sold in pairs.

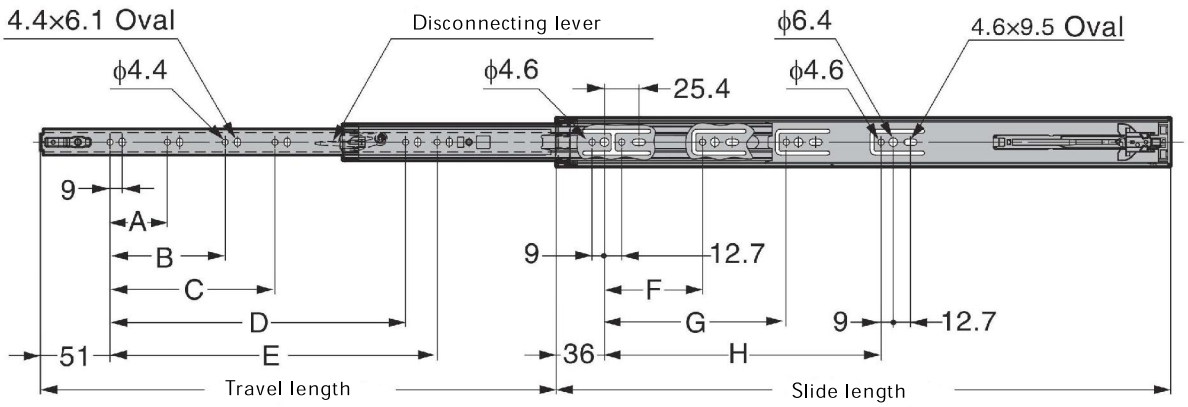
Easy to detach:

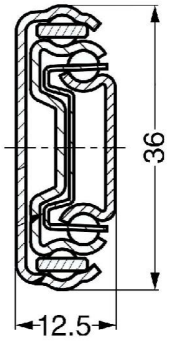


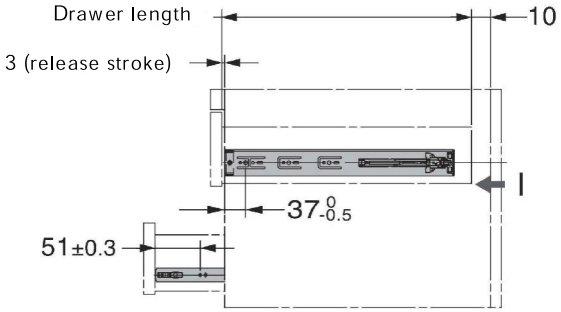
Simultaneously move the left lever upwards and the right lever downwards.

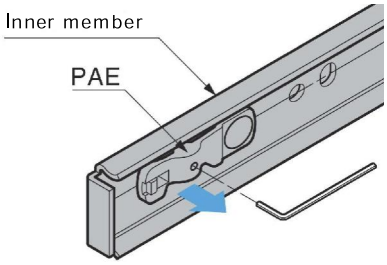
Article no.			Dimensions in mm									Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material: Zinc plated / Steel	A	B	C	D	E	F	G	H	W		
150.3660	-250	.04	-	-	-	-	121	87	-	-	450	250	147
	-300		71				171	119			500	300	
	-350		103				221		183	-	550	350	
	-400			231			271		199		600	400	196
	-450			263			321		247		650	450	
	-500			167	295		371		215	295	700	500	
	-550			199	327		421			345	750	550	
	-600					391	471		247	375	800	600	











Turning the hex key clockwise will cause the PAE tu bulge in the direction of the arrow, which may reduce rattling when closed and expand the push-to-open area.

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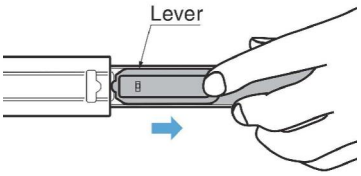
Drawer slides

Art. no.: 150.4638 (Push to open)

Full extension (3 members).

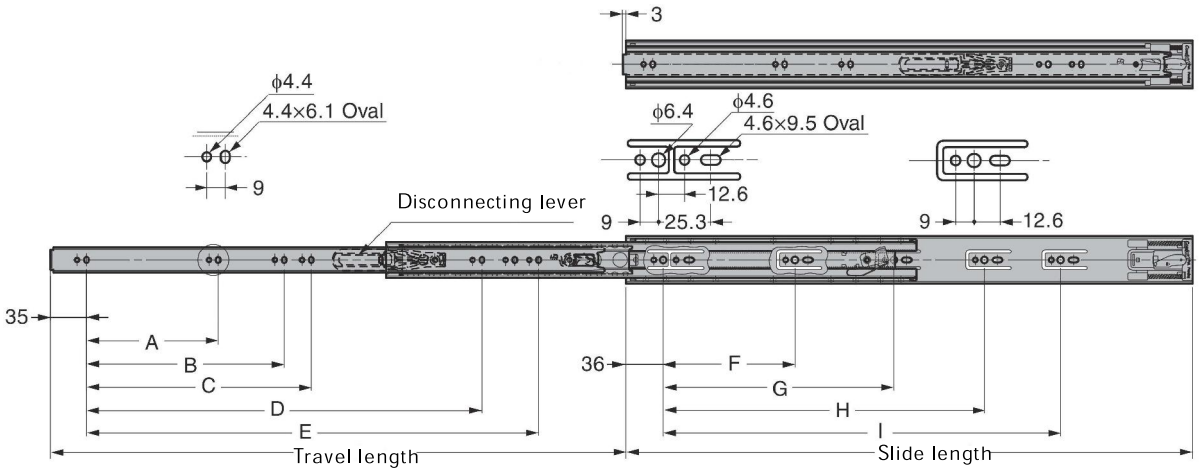
Easy to detach:

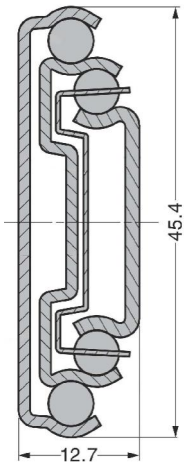


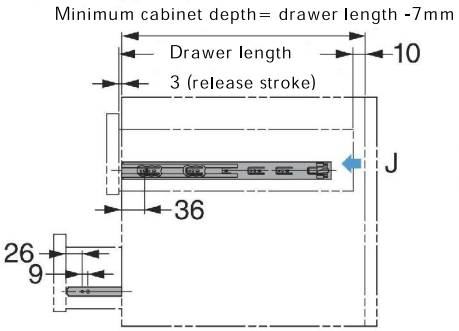
The drawer can be detached by pulling the lever in the direction of the arrow.

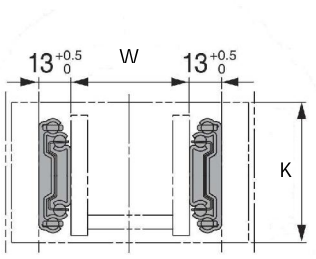
Sold in pairs.

Article no.			Dimensions in mm									Max. Drawer length		Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material: Zinc plated / Steel	A	B	C	D	E	F	G	H	I	W	K		
150.4638	-14-350	.04	-	-	-	-	224	128	-	-	224	550	215	356	441
	-16-400						288	-	256		-	600	250	406	422
	-18-450		128				320		224	320		650	280	457	392
	-20-500						384			352		700	310	508	373
	-22-550					192	416	128		320	416	750	340	559	353
	-24-600			224		416	480		-	352	448	800	375	610	333
	-26-650						512				512	850	405	660	304
	-28-700				448	512	576				544	900	435	711	265







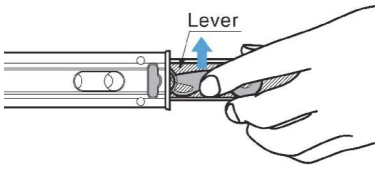


Drawer slides

Art. no.: 150.4660 (Push to open)

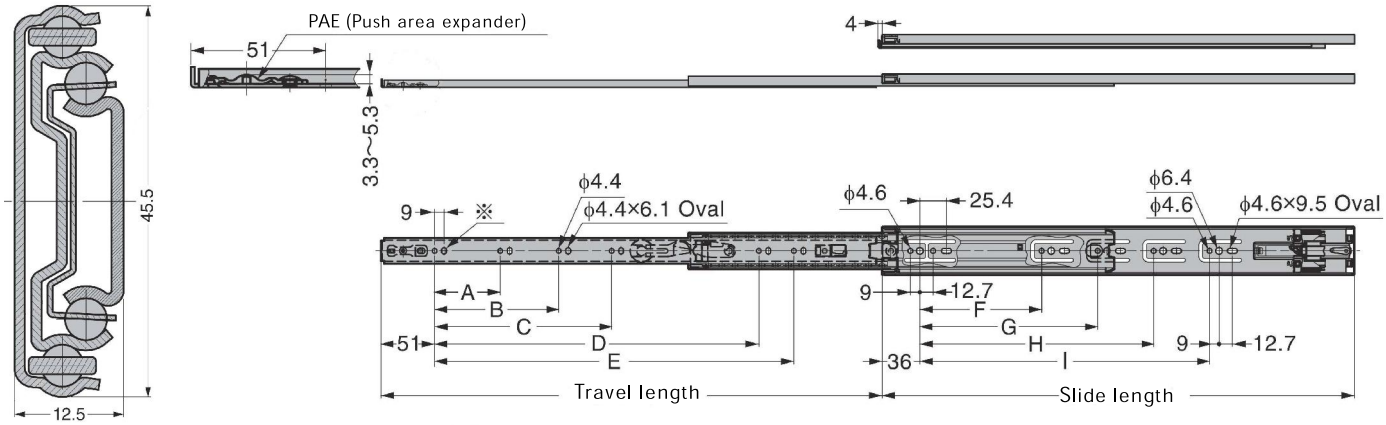
Full extension (3 members).

Easy to detach:



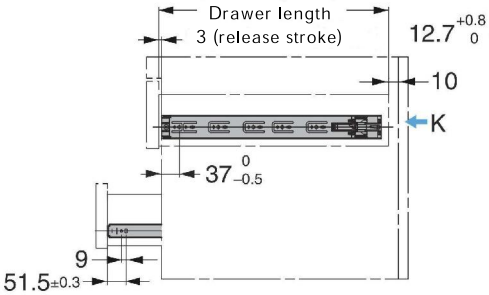
Sold in pairs.

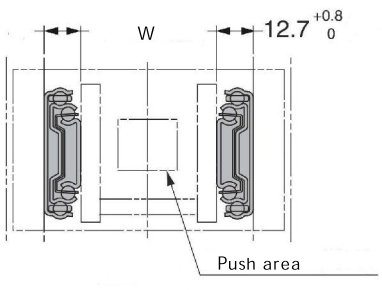
Article no.			Dimensions in mm										Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material: Zinc plated / Steel	A	B	C	D	E	F	G	H	I	W		
150.4660	-250	.04	-	-	-	117	-	87	-	-	-	450	200	147
	-300					167		119				500	296	196
	-350		71			217			183			550	348	245
	-400		103			267			215			600	406	294
	-450		71	135		317			279			650	458	343
	-500					327	367		215	335		700	509	392
	-550		103	167		359	417			343		750	560	441
	-600			199		391	467				439	800	611	343
	-650					441	517				471	850	661	
	-700				263	491	567				535	900	712	

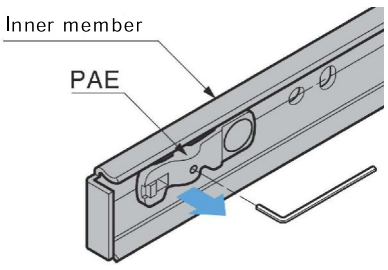


※ No hole on the 250mm

Minimum cabinet depth= drawer length + 10mm







Turning the hex key clockwise will cause the PAE tu bulge in the direction of the arrow, which may reduce rattling when closed and expand the push-to-open area.

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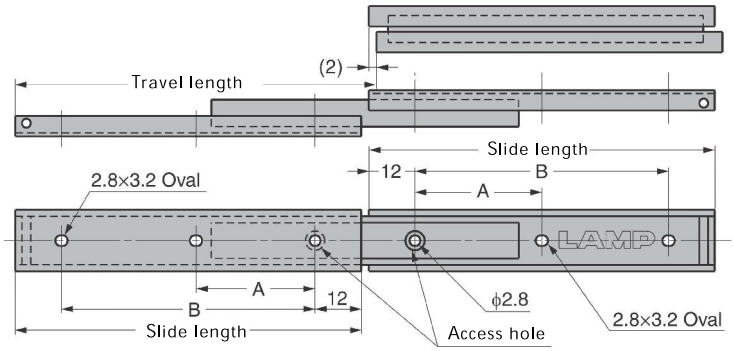
Drawer slides

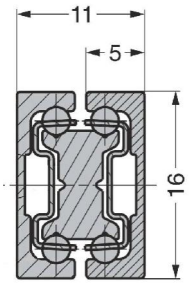
Art. no.: 150.AR3-16

Full extension (3 members).
Only 16mm in height.

Sold by piece.

Article no.			Dimensions in mm		Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material Anodized Aluminium	A	B		
150.AR3-16	-80	.70	-	56	77	20
	-100		38	76	117	29
	-150		63	126	151	39



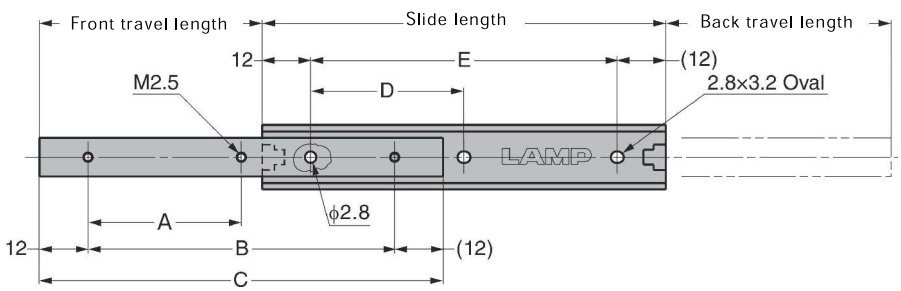


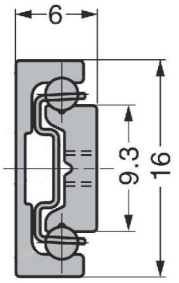
Art. no.: 150.ARW2-16 (2-way)

3/4 extension (2 members).
Only 16mm in height.

Sold by piece.

Article no.			Dimensions in mm					Travel length	Load capacity N/pair Vertical installation	Load capacity N/pair Horizontal installation
Series	Execution (Slide length)	Material Anodized Aluminium	A	B	C	D	E	Front/ Back		
150.ARW2-16	-70	.70	-	46	70	-	46	32	29	11
	-100		38	76	100	38	76	40	49	20
	-150		63	126	150	63	126	79	69	30





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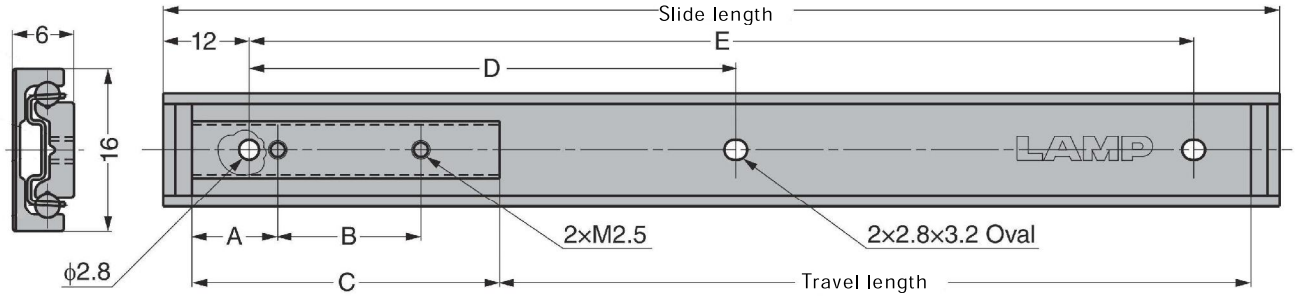
Drawer slides

Art. no.: 150.ARL2-16

Only 16mm in height.

Sold by piece.

Article no.			Dimensions in mm					Travel length	Load capacity N/pair Vertical installation	Load capacity N/pair Horizontal installation
Series	Execution (Slide length)	Material Anodized Aluminium	A	B	C	D	E			
150.ARL2-16	-70	.70	5	18	28	-	46	30	20	8
	-100		10	19	39	38	76	52	49	18
	-150					63	126	96		

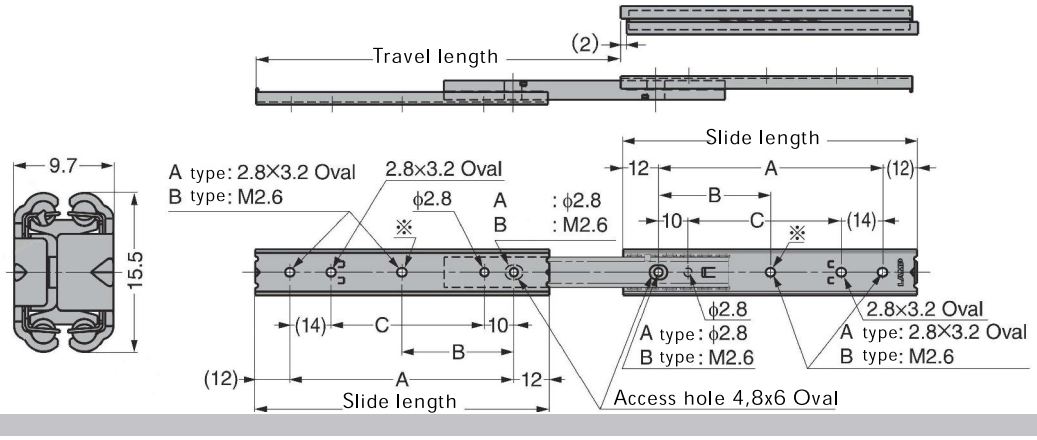


Art. no.: 150.SCR3

Full extension (3 members).
Only 15,5mm in height.

Sold by piece.

Article no.			Dimensions in mm			Holes	Travel length	Load capacity N/pair Vertical installation
Series	Execution (Slide length)	Material - Stainless steel	A	B	C			
150.SCR3-15	-80A	.30	56	-	32	A type (through hole)	97	98
	-100A		76	38	52		125	108
	-150A		126	63	102		177	118
	-80B		56	-	32	B type (screw hole)	97	98
	-100B		76	38	53		125	108
	-150B		126	63	102		177	118



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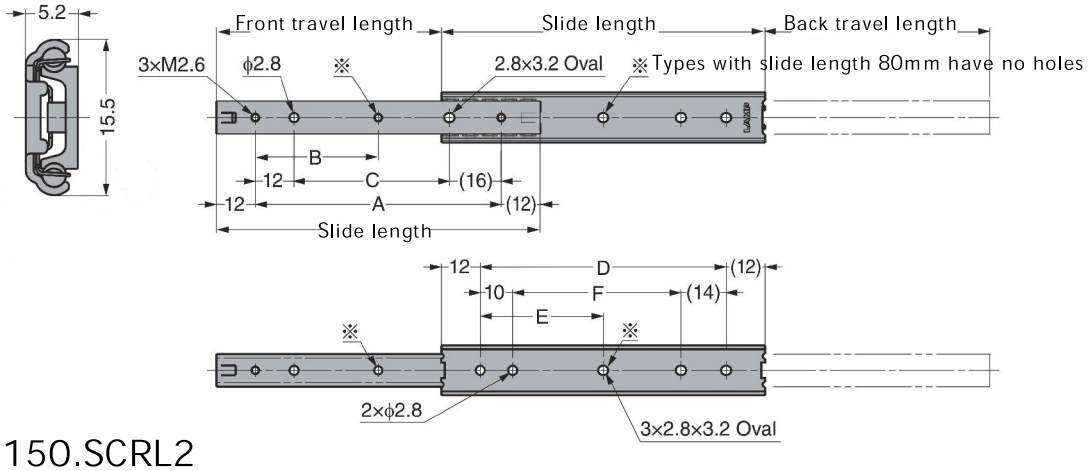
Drawer slides

Art. no.: 150.SCRW2 (2-Way)

3/4 extension (2 members).
Only 15,5mm in height.

Sold by piece.

Article no.			Dimensions in mm						Travel length		Load capacity N/pair Vertical installation
Series	Execution (Slide length)	Material: - / Stainless steel	A	B	C	D	E	F	Front	Back	
150.SCRW2-15	-80A	.30	56	-	28	56	-	32	48,5		137
	-100A		76	38	48	76	38	52	68,5		157
	-150A		126	63	98	126	63	102	94,5		177

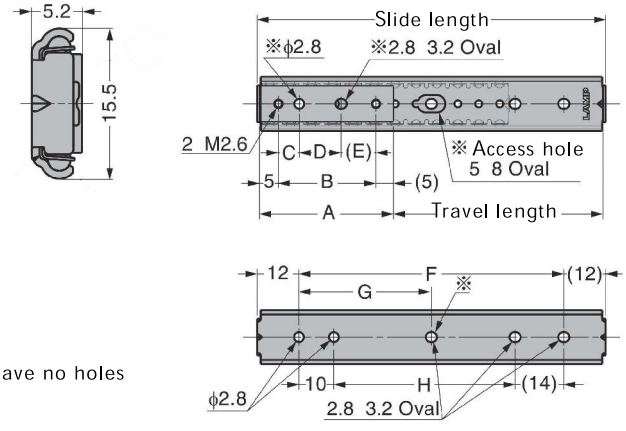


Art. no.: 150.SCRL2

Only 15,5mm in height.

Sold by piece.

Article no.			Dimensions in mm								Travel length	Load capacity N/pair Vertical installation
Series	Execution (Slide length)	Material: - / Stainless steel	A	B	C	D	E	F	G	H		
150.SCRL2-15	-80A	.30	28	18	-	-	-	56	-	32	49	177
	-100A		38	28	6	12	10	76	38	52	59	206
	-150A							126	63	102	109	
	-200A		48	38	10	14	14	176	88	152	149	235



※ Types with slide length 80mm have no holes

Drawer slides

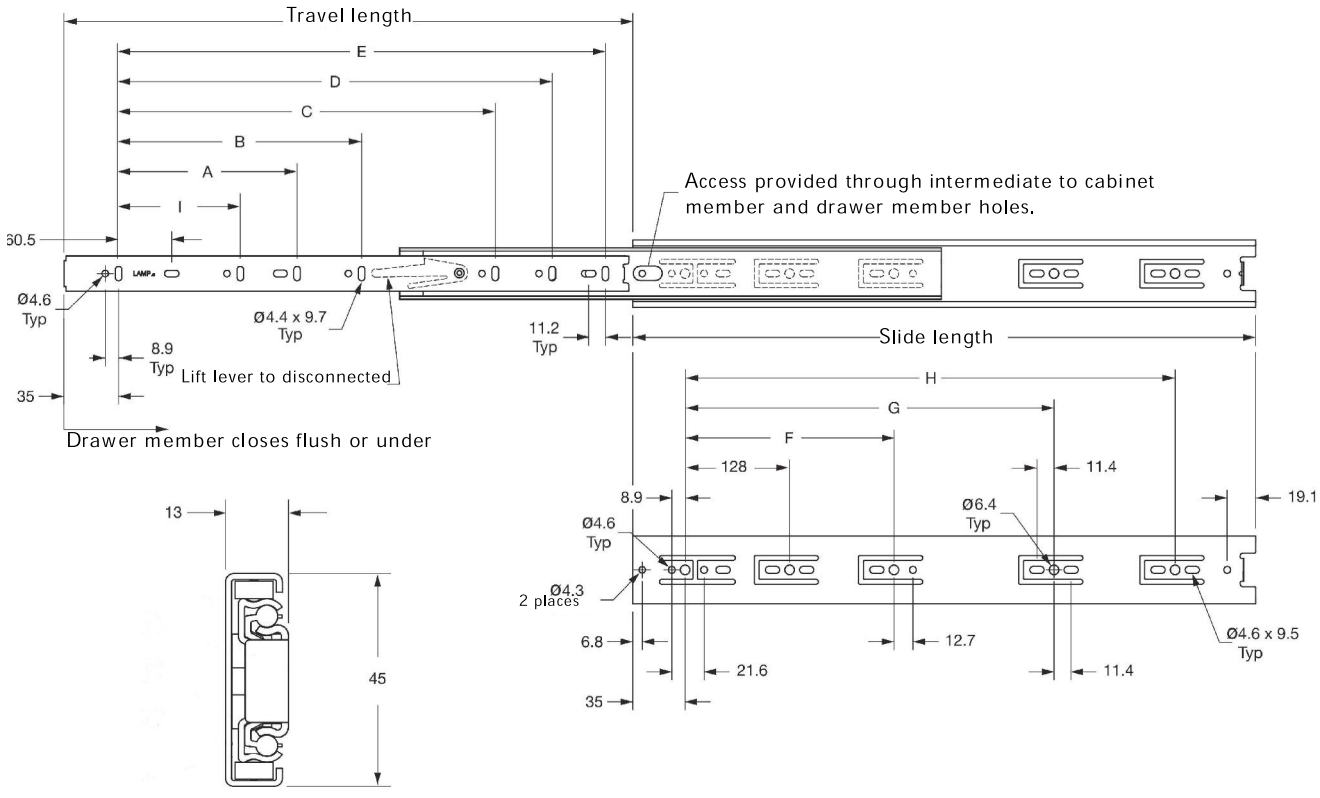
Art. no.: 150.ESR-4513

Full extension

Positive stop
Hold-in detent

Sold in pairs.

Article no.			Dimensions in mm									Travel length
Series	Execution (Slide length)	Material	A	B	C	D	E	F	G	H	I	
		-										
		Stainless steel										
150.ESR-4513	-10-250	.30	-	-	-	-	192	-	-	-	-	243
	-12-300						242	224			128	305
	-14-350						292					355
	-16-400						342		320			406
	-18-450				320		392		352			457
	-20-500						442		416			508
	-22-550					416	492		352	448		559
	-24-600		224	416		-	542			480		610
	-26-650					544	592			544		660
	-28-700			288			642					711



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Drawer slides

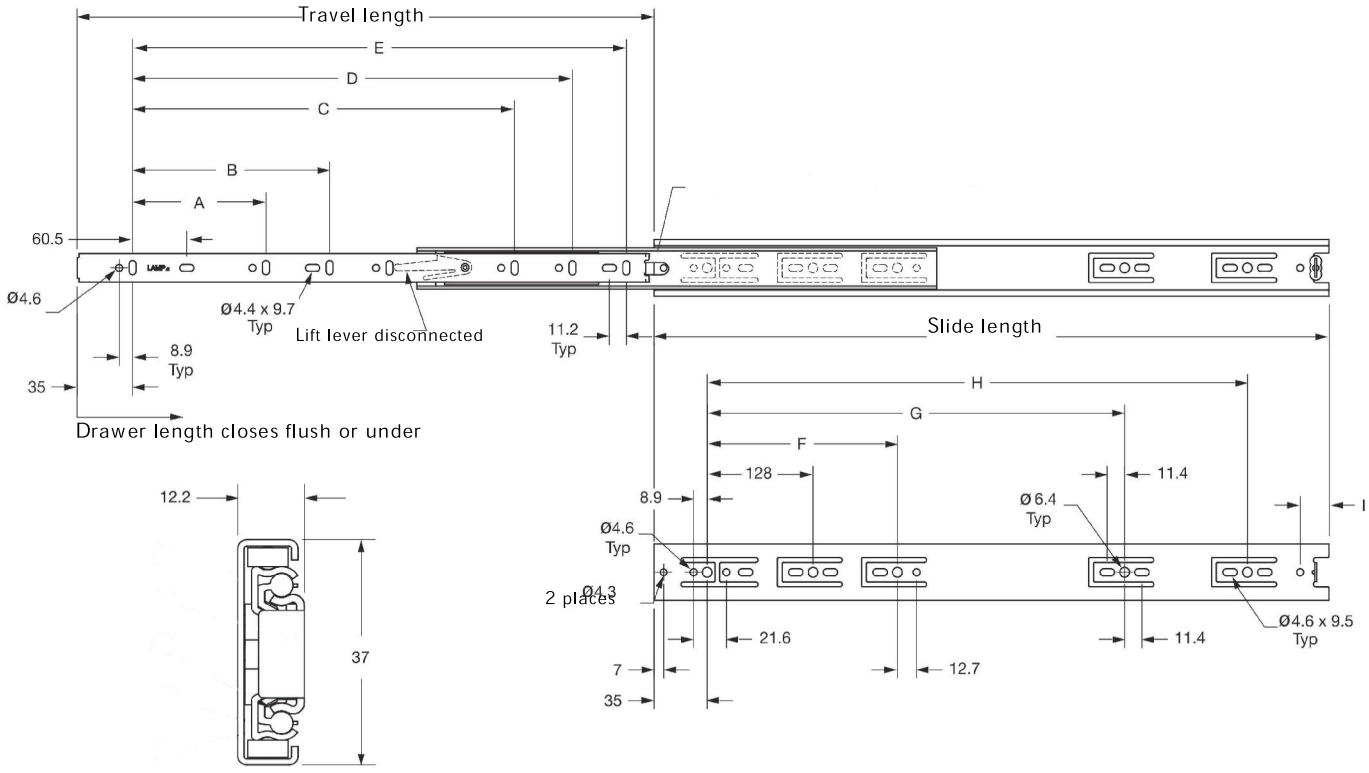
Art. no.: 150.ESR-3813

Full extension

Positive stop
Hold-in detent

Sold in pairs.

Article no.			Dimensions in mm									Travel length
Series	Execution (Slide length)	Material: - / Stainless steel	A	B	C	D	E	F	G	H	I	
150.ESR-3813	-8-200	.30	-	-	-	-	142	-	-	-	-	200
	-10-250						192				19,1	243
	-12-300		128				242	224				305
	-14-350						292					355
	-16-400						342		320			406
	-18-450				-		392		352			457
	-20-500						442		416			508
	-22-550					416	492		352	448		559
	-24-600			224	416	-	542			480		610



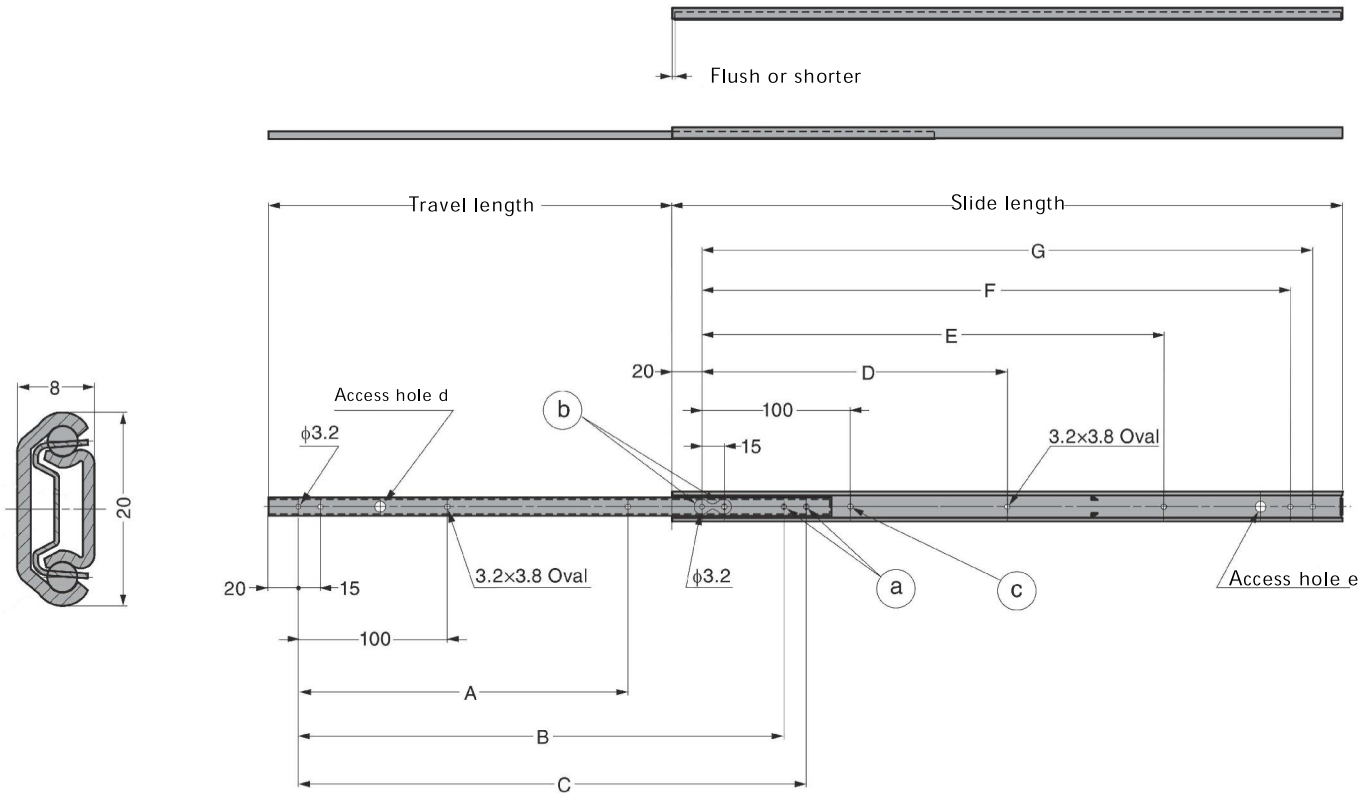
Drawer slides

Art. no.: 150.ESR2021

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm							Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E	F	G		
150.ESR2021	-200	.30	-	145	160	-	-	145	160	134	127
	-250		150	195	210			195	210	184	147
	-300		190	245	260		160	245	260	224	157
	-350		225	295	310		210	295	310	244	
	-400		265	345	360		260	345	360	294	147
	-450		300	395	410	205	310	395	410	334	127
	-500		337	445	460	230	360	445	460	384	108



- When fixing the mounting hole „b", move the inner member backwards and use access hole „e".
- When fixing the mounting hole „c" for slides above 450mm, move the inner member backwards and use access hole „d".
- Mounting hole „a" is unnecessary in normal installation.

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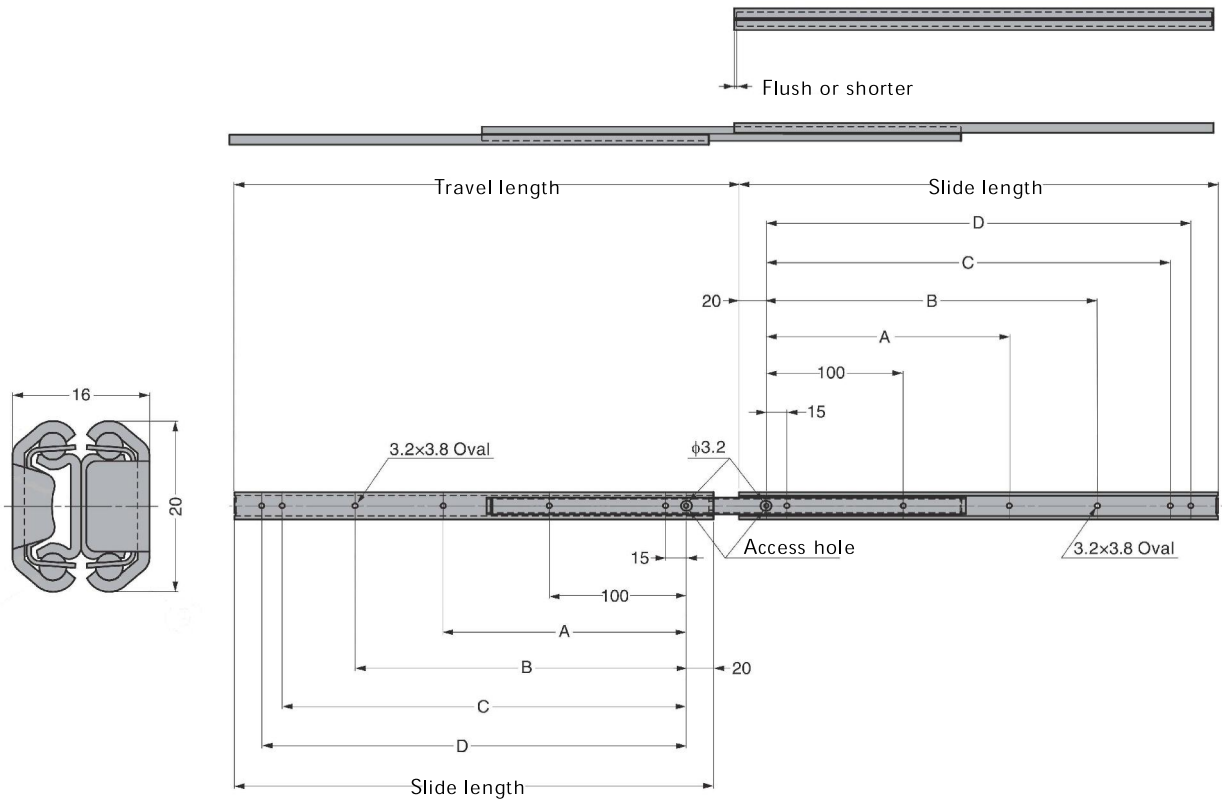
Drawer slides

Art. no.: 150.ESR2031

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm				Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D		
150.ESR2031	-200	.30	-	-	145	160	229	167
	-250				195	210	269	
	-300			160	245	260	329	
	-350			210	295	310	369	
	-400			260	345	360	429	
	-450		205	310	395	410	469	157
	-500		230	360	445	460	529	127



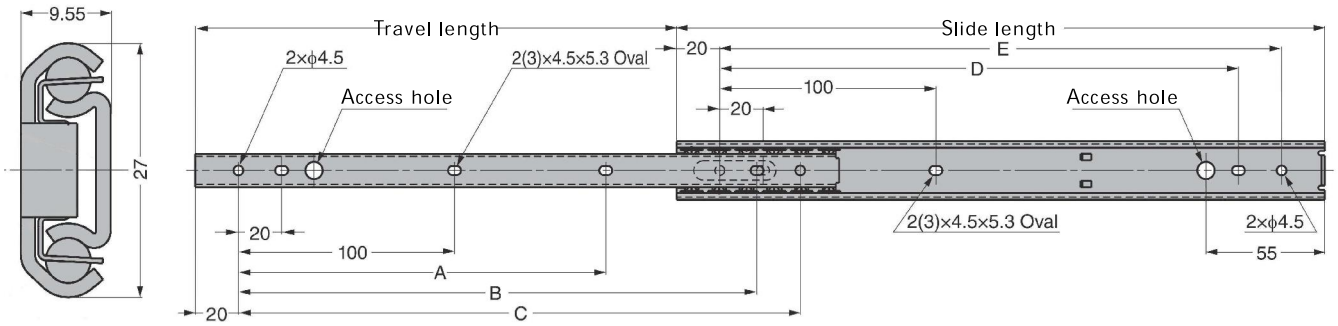
Drawer slides

Art. no.: 150.SNS27S

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm					Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E		
150.SNS27S	-20-200	.30	-	140	160	140	160	135	255
	-25-250		150	190	210	190	210	185	235
	-30-300		190	240	260	240	260	222	
	-35-350		225	290	310	290	310	260	225
	-40-400		265	340	360	340	360	297	206
	-45-450		300	390	410	390	410	334	196
	-50-500		337	440	460	440	460	371	176



When closed

When opened

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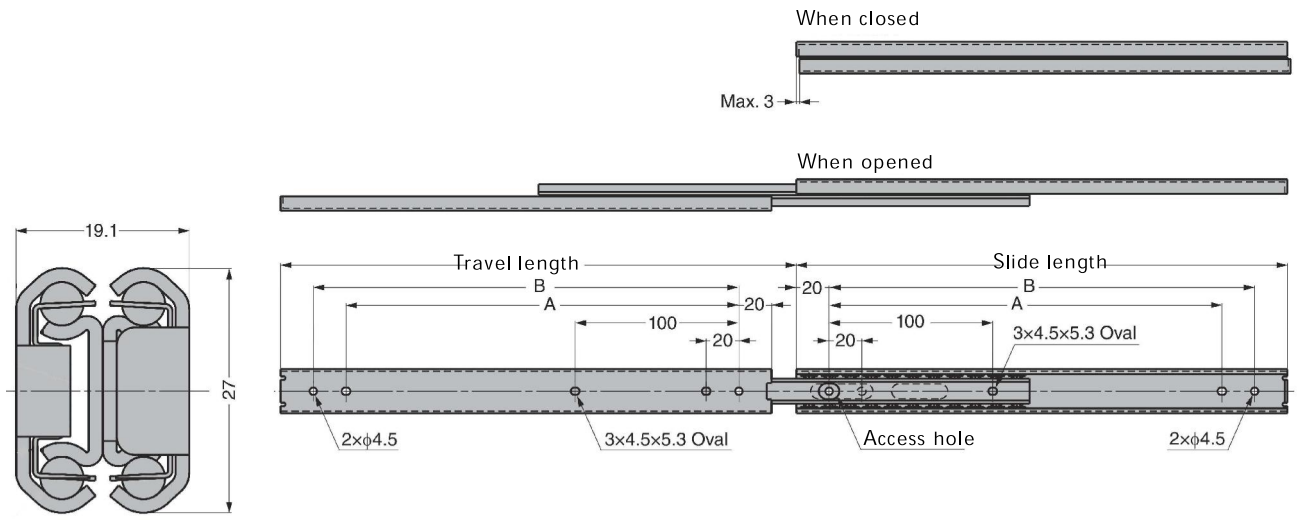
Drawer slides

Art. no.: 150.SNS27D

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm		Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B		
150.SNS27D	-20-200	.30	140	160	216,8	373
	-25-250		190	210	266	363
	-30-300		240	260	315,2	353
	-35-350		290	310	364,4	333
	-40-400		340	360	413,6	313
	-45-450		390	410	462,8	294
	-50-500		440	460	512	275



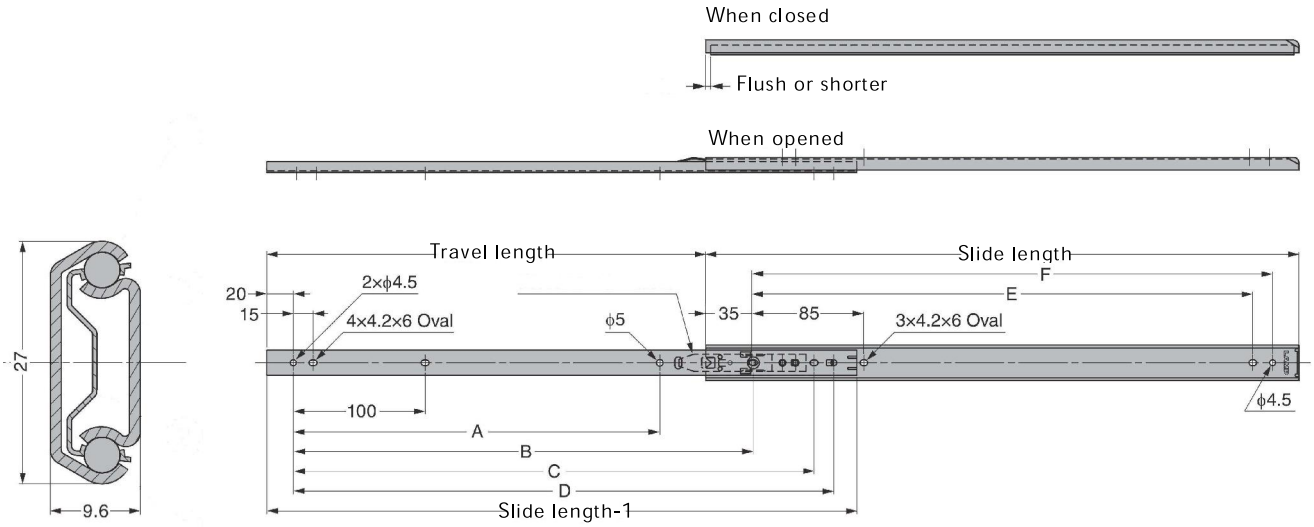
Drawer slides

Art. no.: 150.272SL

3/4 extension (2 members)
The drawer is detachable by lifting the lever.

Sold in pairs.

Article no.			Dimensions in mm						Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E	F		
150.272SL	-300	.30	165	236	-	-	230	245	220	177
	-350		206	277			280	295	261	167
	-400		246	317		362,5	330	345	301	157
	-450		278	349	395	410	380	395	333	147
	-500		318	389	445	460	430	445	373	137



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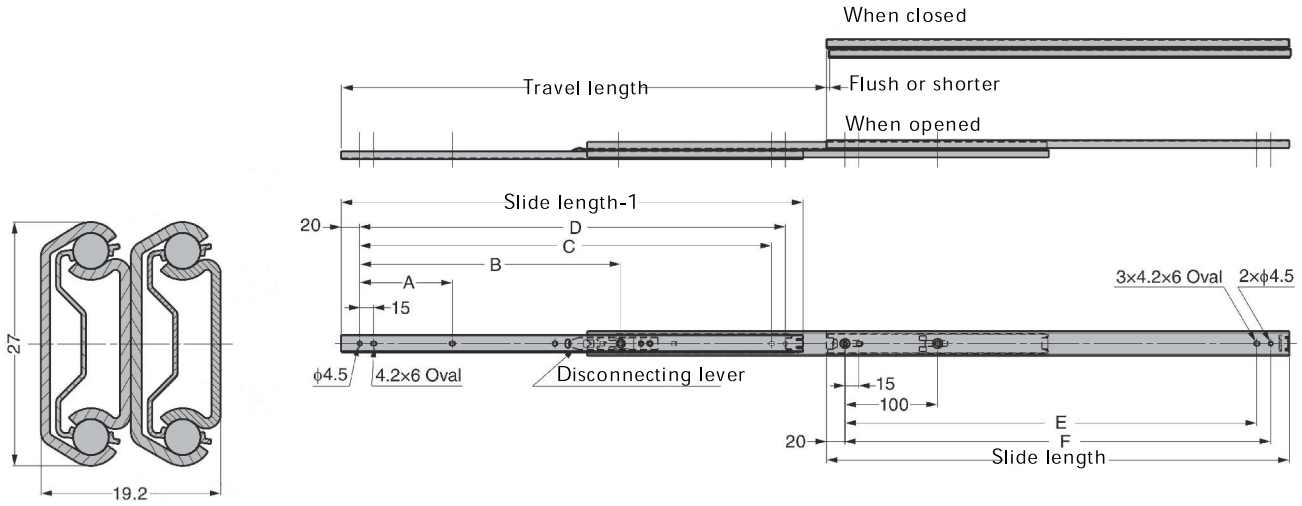
Drawer slides

Art. no.: 150.273SL

3/4 extension (2 members)
The drawer is detachable by lifting the lever.

Sold in pairs.

Article no.			Dimensions in mm						Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E	F		
150.273SL	-200	.30	-	135	-	-	145	160	221	177
	-250			143,5	195	210	195	210	280	167
	-300		100	188	245	260	245	260	327	157
	-350			211,5	295	310	295	310	376	147
	-400			236	345	360	345	360	426	137
	-450			261,5	395	410	395	410	478	128
	-500			282	445	460	445	460	524	118



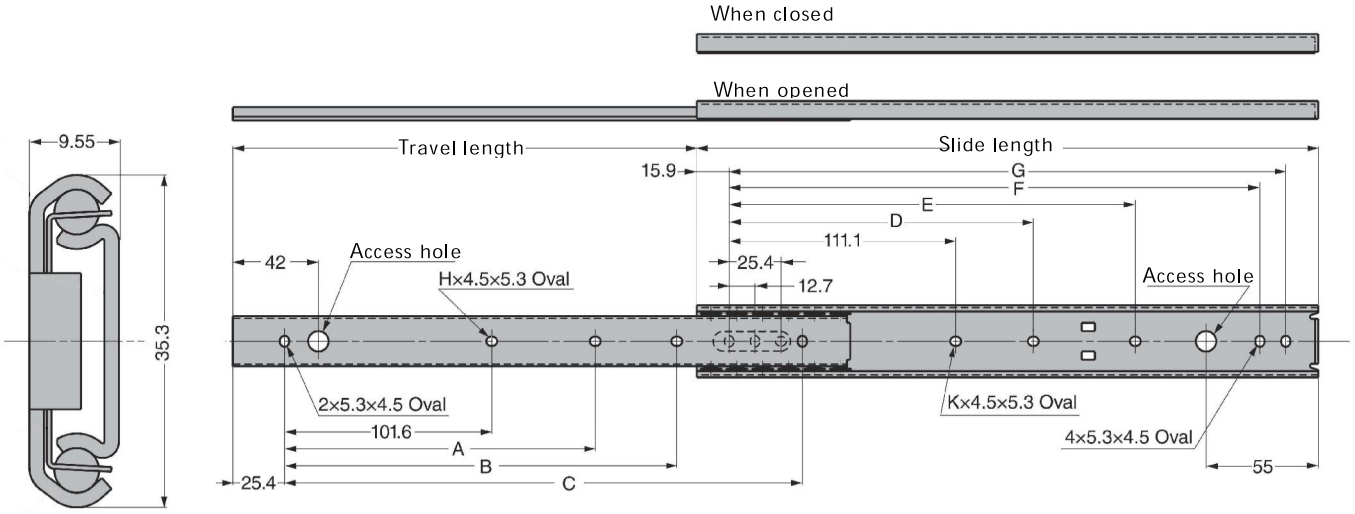
Drawer slides

Art. no.: 150.SNS35S

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm									Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D	E	F	G	H	K			
150.SNS35S	-30	.30	-	152,4	254	-	149,2	260,3	273	2	3	304,8	228,6	481
	-35			203,2	304,8		200	311,1	323,8			355,6	279,4	461
	-40			254	355,6		250,8	361,9	374,6			406,4	304,8	422
	-45		203,2	304,8	406,4	212,7	301,6	412,7	425,4	3	4	457,2	330,2	402
	-50		228,6	355,6	457,2	238,1	352,4	463,5	476,2			508	381	363
	-55		254	406,4	508	263,5	403,2	514,3	527			558,8	406,4	333
	-60		279,4	457,2	558,8	288,9	454	565,1	577,8			609,6	431,8	294
	-65		304,8	508	609,6	314,3	504,8	615,9	628,6			660,4	482,6	265
	-70		330,2	558,8	660,4	339,7	555,6	666,7	679,4			711,2	508	245



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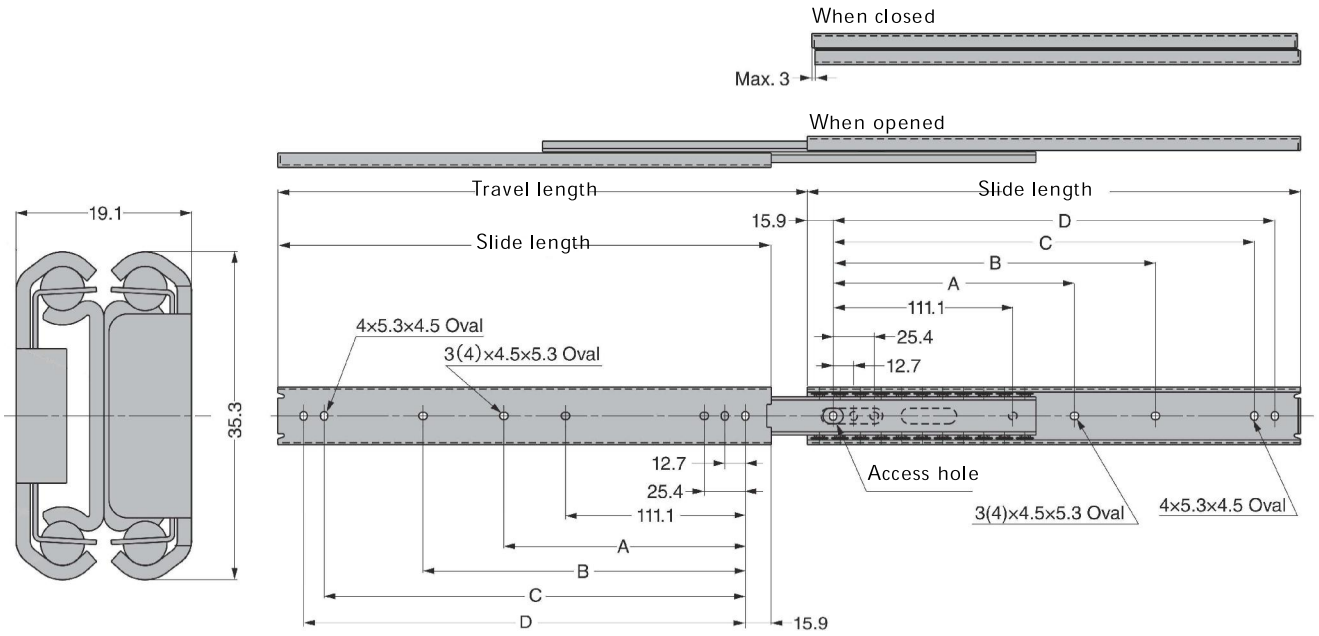
Drawer slides

Art. no.: 150.SNS35D

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm				Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D			
150.SNS35D	-30	.30	-	149,2	260,3	273	304,8	327,2	588
	-35			200	311,1	323,8	355,6	377,9	579
	-40			250,8	361,9	374,6	406,4	428,7	559
	-45		212,7	301,6	412,7	425,4	457,2	479,5	549
	-50		238,1	352,4	463,5	476,2	508	530,3	530
	-55		263,5	403,2	514,3	527	558,8	580,3	500
	-60		288,9	454	565,1	577,8	609,6	631,9	481
	-65		314,3	504,8	615,9	628,6	660,4	682,7	461
	-70		339,7	555,6	666,7	679,4	711,2	733,5	441



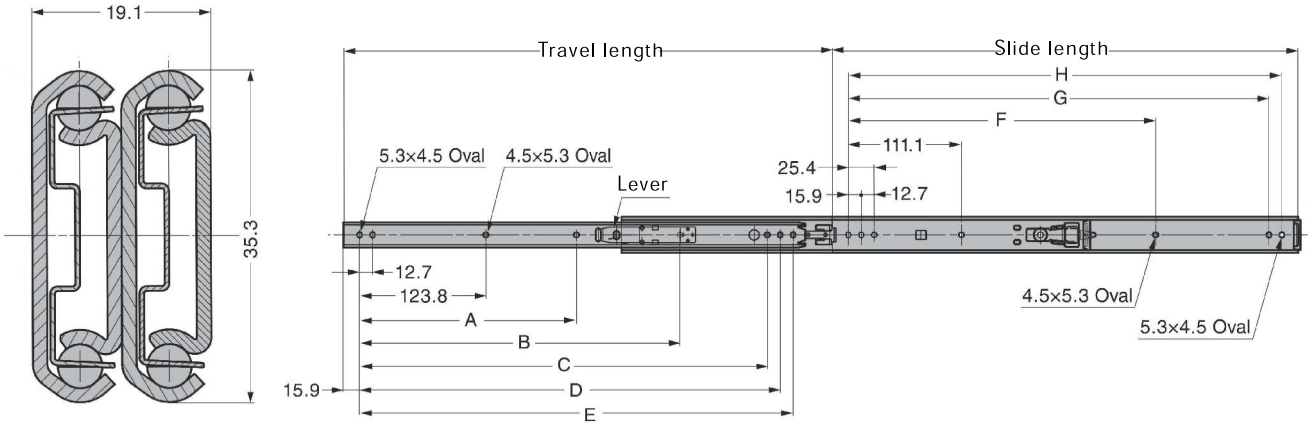
Drawer slides

Art. no.: 150.SNS35W

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm								Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D	E	F	G	H			
150.SNS35W	-30	.30	-	-	-	260,3	273	-	260,3	273	304,8	327,2	623
	-35				298,4	311,1	323,8		311,1	323,8	355,6	377-9	586
	-40				349,2	361,9	374,6	250,8	361,9	374,8	406,4	428,7	555
	-45		212,7		400	412,7	425,4	301,6	412,7	425,4	457,2	479,5	516
	-50		238,1	365,1	450,8	463,6	476,2	352,4	463,6	476,2	508	530,3	475
	-55		263,5	415,9	501,6	514,3	527	403,2	514,3	527	558,8	581,2	444
	-60		288,9	466,7	552,4	565,1	577,8	454	565,1	577,8	609,6	631,9	413
	-65		314,3	517,5	603,2	615,9	628,6	504,8	615,9	628,6	660,4	682,7	382
	-70		339,7	568,3	654	666,7	679,4	555,6	666,7	679,4	711,2	733,5	355



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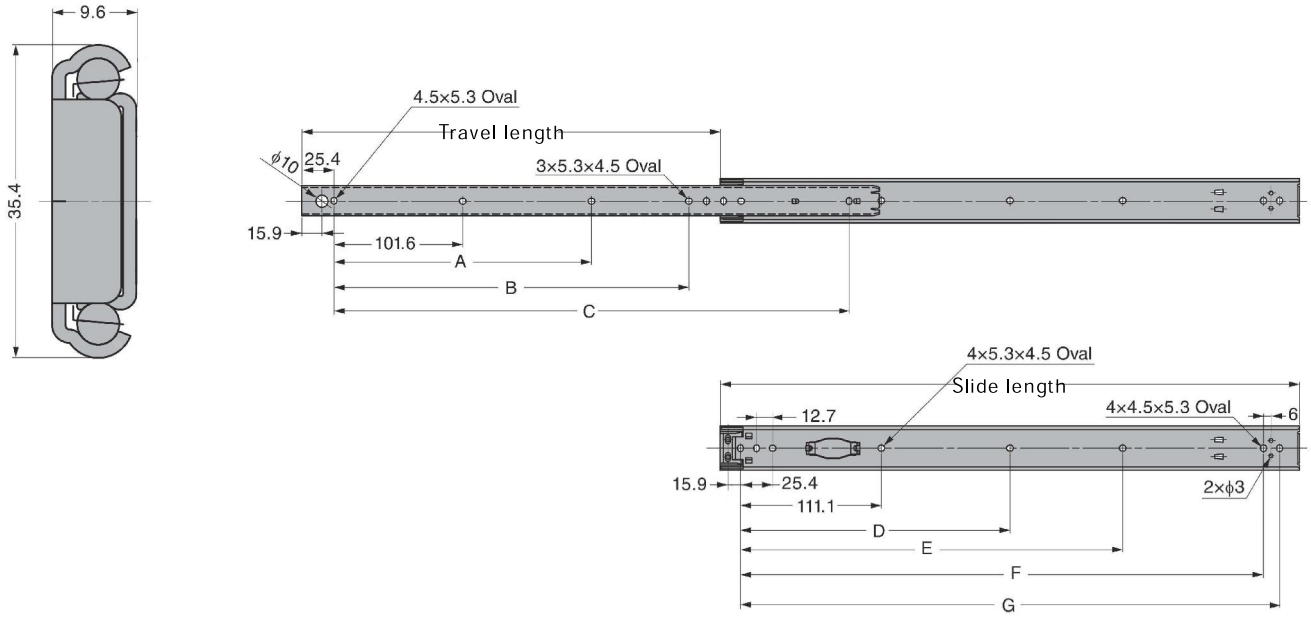
Drawer slides

Art. no.: 150.ESR1

3/4 extension (2 members)
The drawer can be stopped at any position by the resistance of the ball retainer.

Sold by piece.

Article no.			Dimensions in mm							Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D	E	F	G			
150.ESR1	-12	.30	-	152,4	254	-	149,2	260,3	273	304,8	228,6	481
	-14			203,2	304,8		200	311,1	323,8	355,6	279,4	461
	-16			254	355,6		250,8	361,9	374,6	406,4	304,8	422
	-18		203,2	304,8	406,4	212,7	301,6	412,7	425,4	457,2	330,2	402
	-20		228,6	355,6	457,2	238,1	352,4	463,5	476,2	508	381	363
	-22		254	406,4	508	263,5	403,2	514,3	527	558,8	406,4	333
	-24		279,4	457,2	558,8	288,9	454	565,1	577,8	609,6	432,8	294
	-26		304,8	508	609,6	314,3	504,8	615,9	628,6	660,4	482,6	265
	-28		330,2	558,8	660,4	339,7	555,6	666,7	679,4	711,2	508	245



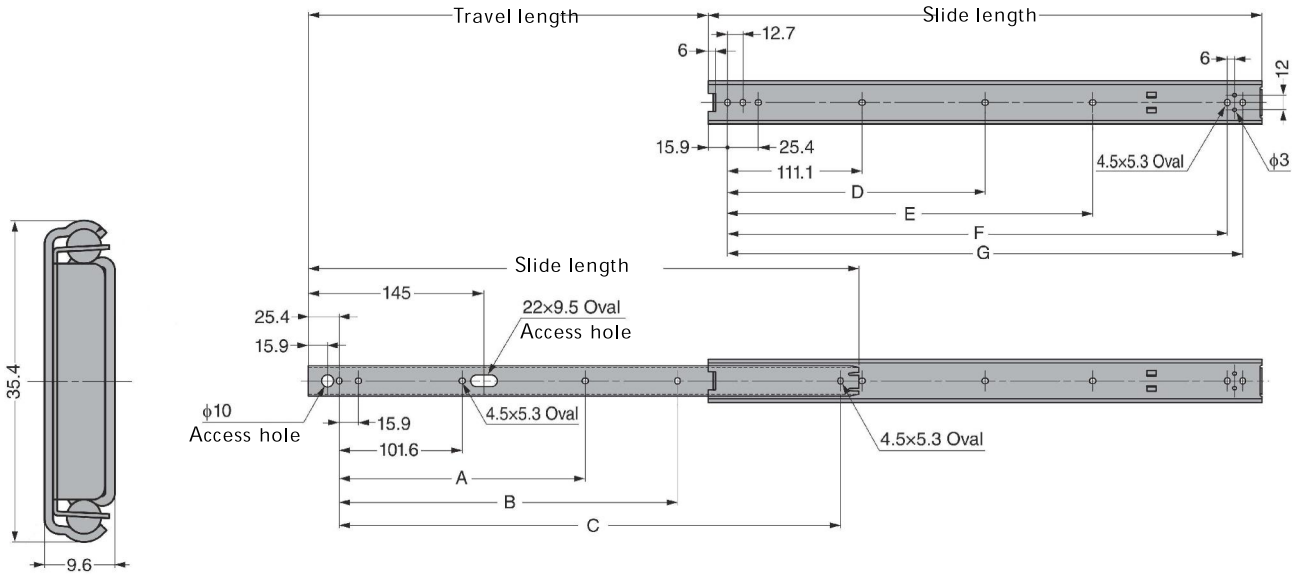
Drawer slides

Art. no.: 150.ESR13

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm							Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D	E	F	G			
150.ESR13	-12	.30	-	177,8	258	-	149,2	260,3	273	304,8	228,6	481
	-14			228,6	308,8		200	311,1	323,8	355,6	279,4	461
	-16			254	359,6		250,8	361,9	374,6	406,4	304,8	422
	-18		203,2	279,4	410,4	212,7	301,6	412,7	425,4	457,2	330,2	402
	-20		228,6	330,2	461,2	238,1	352,4	463,5	476,2	508	381	363
	-22		254	355,6	512	263,5	403,2	514,3	527	558,8	406,4	333
	-24			381	562,8	288,9	454	565,1	577,8	609,6	431,8	294
	-26			431,8	613,6	314,3	504,8	615,9	628,6	660,4	482,6	265
	-28		279,4	457,2	664,4	339,7	555,6	666,7	679,4	711,2	508	245



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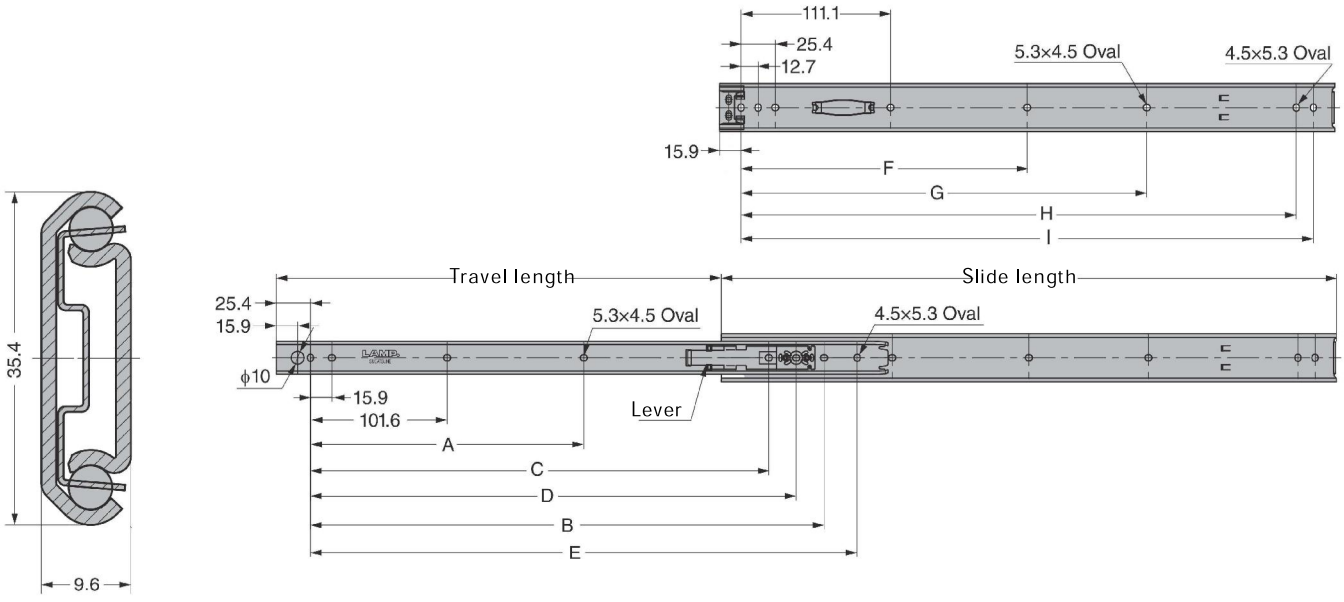
Drawer slides

Art. no.: 150.ESR8

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm									Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D	E	F	G	H	I			
150.ESR8	-12	.30	152,4	-	-	259,5	-	-	149,2	260,3	273	304,8	228,6	481
	-14		203,2			310,3			200	311,1	323,8	355,6	279,4	461
	-16					335,7	355,6		250,8	361,9	374,6	406,4	304,8	422
	-18				340,7	366,1	406,4	212,7	301,6	412,7	425,4	457,2	330,2	402
	-20		228,6		391,5	411,9	457,2	238,1	352,4	463,5	476,2	508	381	363
	-22		254		416,9	437,3	508	263,5	403,2	514,3	527	558,8	406,4	333
	-24		279,4		443,3	463,7	558,8	288,9	454	565,1	577,8	609,6	432,8	294
	-26		304,8		493,1	513,5	609,6	314,3	504,8	615,9	628,6	660,4	482,6	265
	-28		330,2	558,9	538,9	558,8	660,4	339,7	555,6	666,9	679,6	711,2	508	245



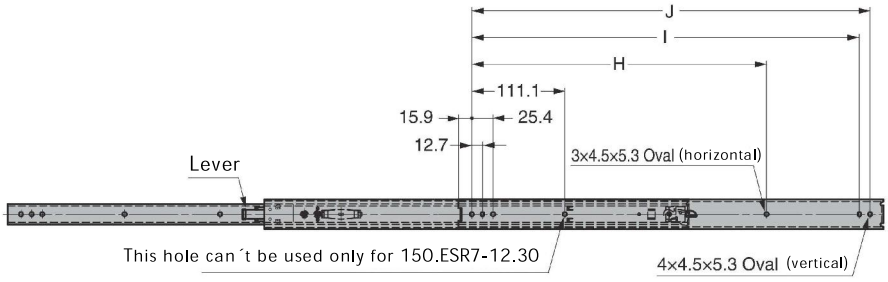
Drawer slides

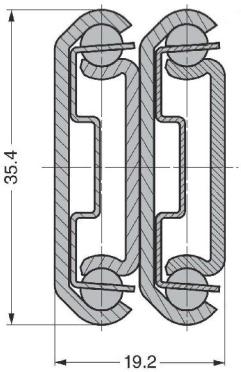
Art. no.: 150.ESR7

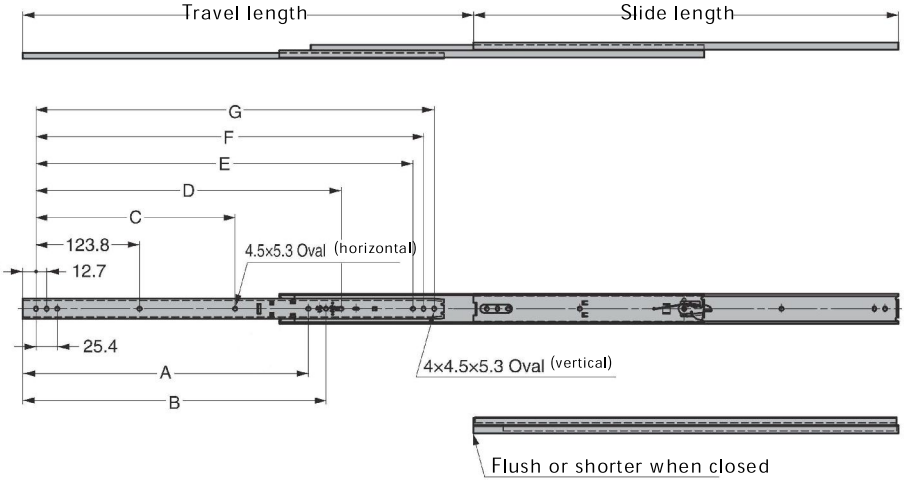
Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm							Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D	H	I	J			
150.ESR7	-12	.30	228	248,4	-	-	-	260,3	273	304,8	336	623
	-14		278,8	299,2				311,1	323,8	355,6	386,8	586
	-16		291,5	311,9			250,8	361,9	374,6	406,4	437,6	555
	-18		316,9	337,3	212,7		301,6	412,7	425,4	457,2	488,4	516
	-20		342,3	362,7	238,1		352,4	463,5	476,2	508	539,2	476
	-22		367,7	388,1	263,5	415,9	403,2	514,3	527	558,8	590	444
	-24		393,1	413,5	288,9	466,7	454	565,1	577,8	609,6	640,8	413
	-26		418,5	438,9	314,3	517,5	504,8	615,9	628,6	660,4	691,6	383
	-28		443,9	464,9	339,7	568,3	555,6	666,7	679,4	711,2	742,4	355







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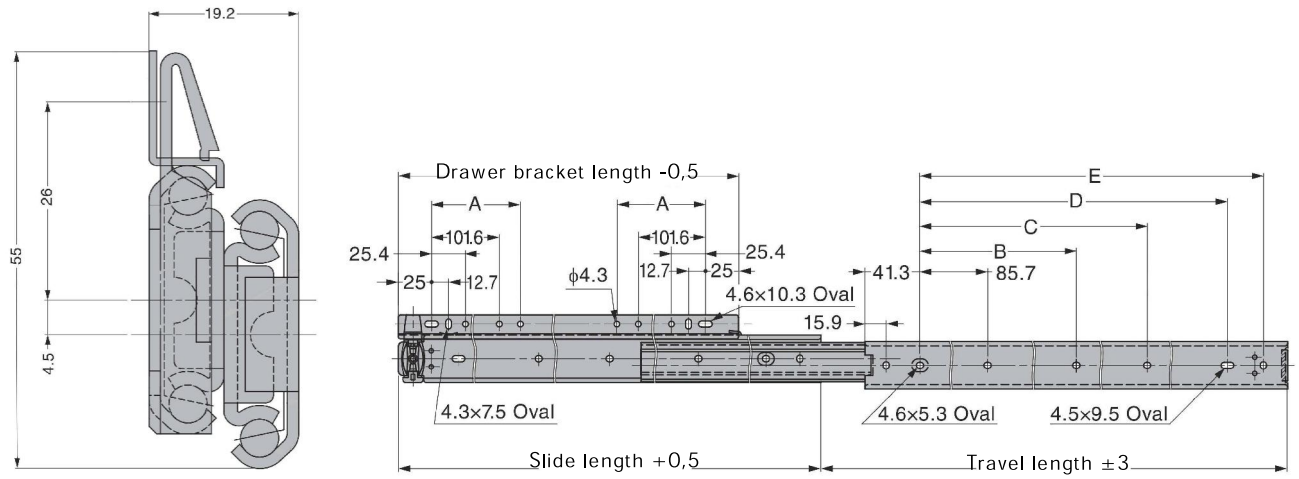
Drawer slides

Art. no.: 150.ESR3

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm					Drawer bracket length	Outer member length	Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material - Stainless steel	A	B	C	D	E					
150.ESR3	-12	.30	-	-	123,1	218,3	245,3	273	6	304,8	348,4	637
	-14				173,9	269,1	296,1			355,6	399,2	598
	-16				224,7	319,9	346,9	375		406,4	450	
	-18			187,3	275,5	370,7	397,7		7	457,2	500,8	549
	-20			212,7	326,3	421,5	448,5			508	551,6	510
	-22		177,8	238,1	377,1	472,3	499,3	527		558,8	602,4	
	-24			263,5	427,9	523,1	550,1			609,6	653,2	471
	-26			288,9	478,7	573,9	600,9	575,3		660,4	704	422
	-28			314,3	529,5	624,7	651,7			711,2	754,8	



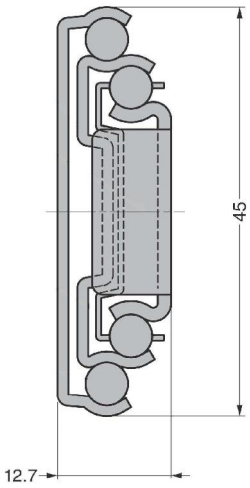
Drawer slides

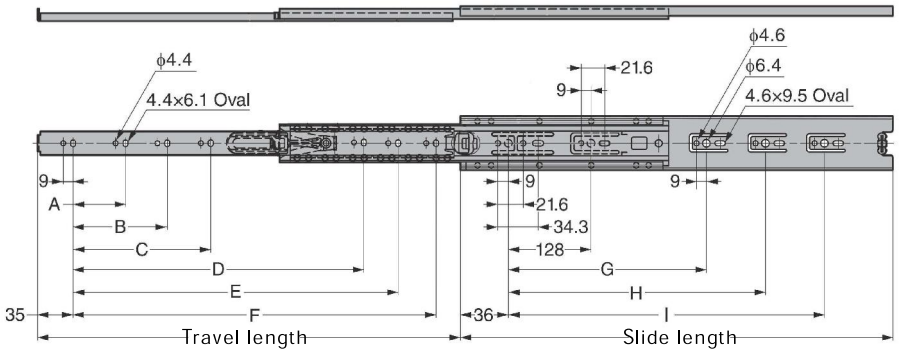
Art. no.: 150.ESR4658

Full extension (3 members)

Sold in pairs.

Article no.			Dimensions in mm									Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E	F	G	H	I		
150.ESR4658	-14-350	.30	-	-	-	-	-	292	224	-	-	356	490
	-16-400				320			342		320		406	470
	-18-450		128					392		352		457	441
	-20-500				352			442		416		508	421
	-22-550				-	416		492		352	448	559	402
	-24-600							542			480	610	382
	-26-650			224			544	592			544	660	353
	-28-700					448		642				711	314





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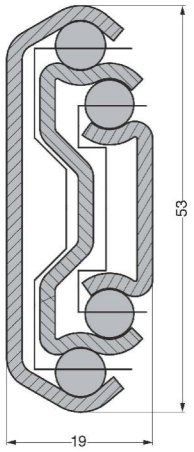
Drawer slides

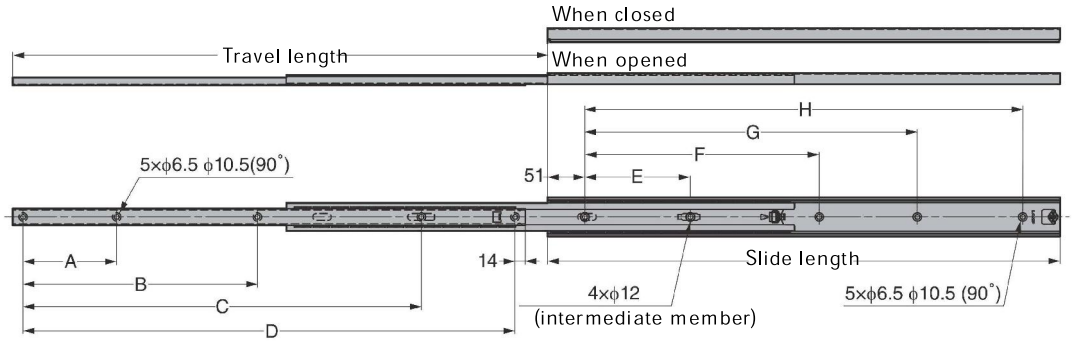
Art. no.: 150.5302S (for heavy duty)

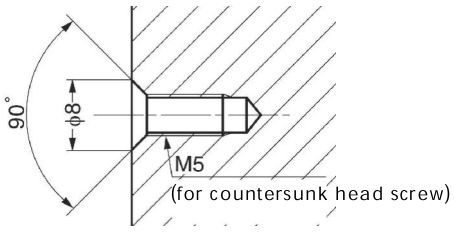
Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm								Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E	F	G	H		
150.5302S	-300	.30	128	256	-	-	112	192	-	-	334	1137
	-350		160	320			144	240			384	1088
	-400			256	352			224	304		433	970
	-450		128	288	416		80	272	352		482	941
	-500				448		112		384		532	902
	-550		192	320	512			288	448		580	843
	-600		208	336	544			336	496		630	794
	-650		128	288	480	608		272	416	544	677	745
	-700			336	544	672	144	304	448	592	728	696
	-750		192	370	530	722	176	336	496	648	777	666
	-800		224	388	548	772	192	384	576	688	826	627







The same processing for outer member and inner member.

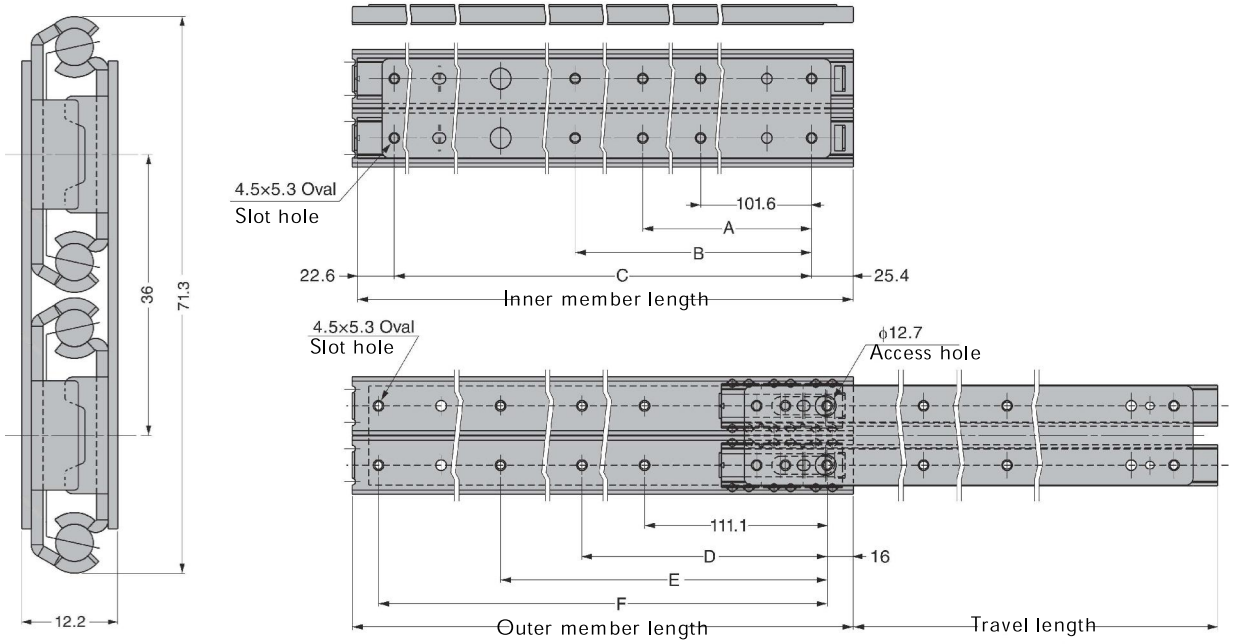
Drawer slides

Art. no.: 150.ESR5 (for heavy duty)

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm						Slide length	Travel length	Holes		Load capacity in N/pair
Series	Execution	Material Polished Stainless steel	A	B	C	D	E	F			Inner member	Outer member	
150.ESR5	-12	.33	-	152,4	254	-	149,2	273	305	221,8	6	8	1118
	-14			203,2	304,8		200	323,8	355,8	259,9			1069
	-16			254	355,6		250,8	374,6	406,6	298			1020
	-18		203,2	304,8	406,4	212,7	301,6	425,4	457,4	348,8		10	1000
	-20		228,6	355,6	457,2	238,1	352,4	476,2	508,2	361,5			971
	-22		254	406,4	508	263,5	403,2	527	559	425			922
	-24		279,4	457,2	558,8	288,9	454	577,8	609,8	450,4			873
	-26		304,8	508	609,6	314,3	504,8	628,6	660,6	463,1			843
	-28		330,2	558,8	660,4	339,7	555,6	679,4	711,4	501,2			785



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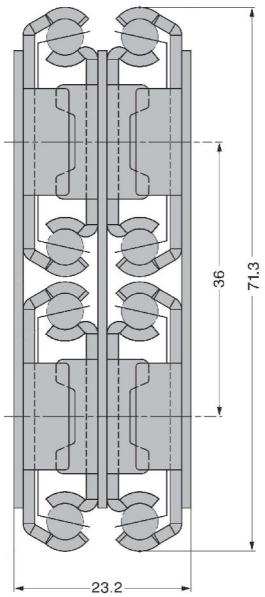
Drawer slides

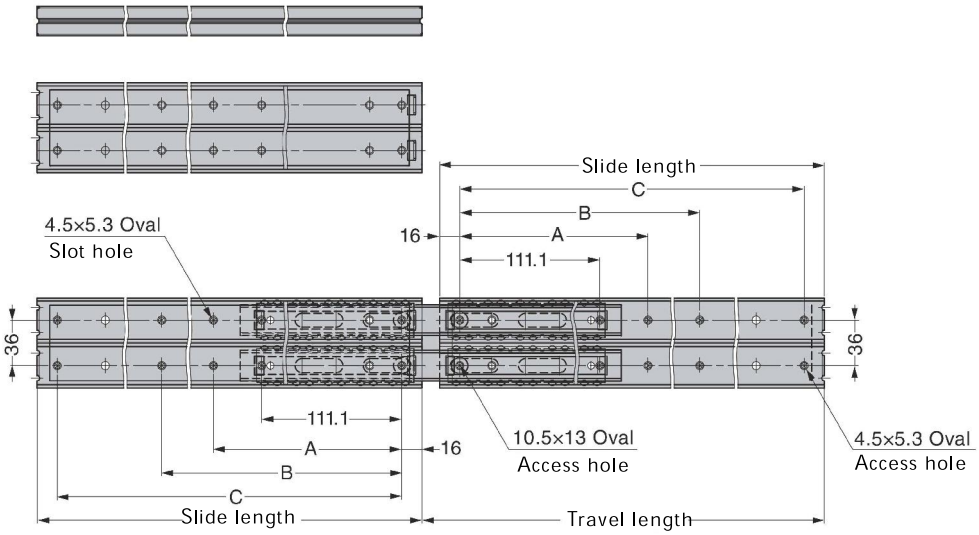
Art. no.: 150.ESR10 (for heavy duty)

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm			Slide length	Travel length	Load capacity in N/pair
Series	Execution	Material Polished Stainless steel	A	B	C			
150.ESR10	-12	.33	-	149,2	273	305	319	2667
	-14			200	323,8	355,8	369,8	2628
	-16			250,8	374,6	406,6	420,6	2540
	-18		212,7	301,6	425,4	457,4	471,4	2452
	-20		238,1	352,4	476,2	508,2	522,2	2363
	-22		263,5	403,2	527	559	573	2246
	-24		288,9	454	577,8	609,8	623,8	2118
	-26		314,3	504,8	628,6	660,6	674,6	1961
	-28		339,7	555,6	679,4	711,4	725,4	1785





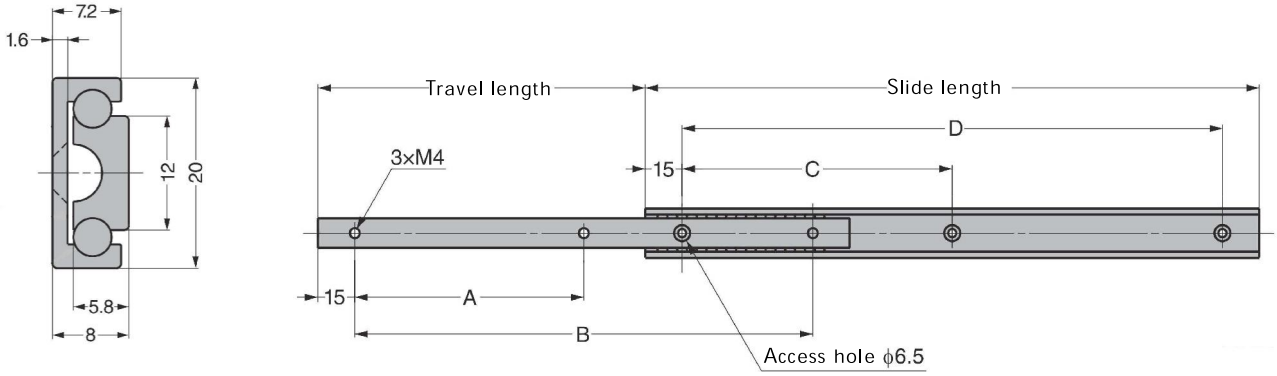
Drawer slides

Art. no.: 150.AR2 (for light weight)

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm				Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Aluminium	A	B	C	D		
150.AR2	-100	.70	-	70	-	70	60	150
	-200		85	170	85	170	120	120
	-300		135	270	135	270	180	100
	-400		185	370	185	370	240	90
	-500		235	470	235	470	300	80

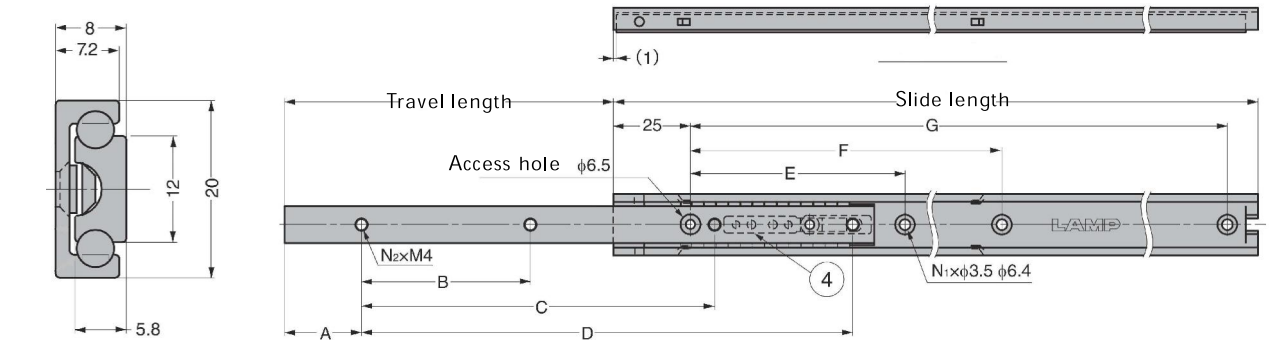


Art. no.: 150.AR2-K (with hold-out detent)

3/4 extension (2 members)

Sold by piece.

Article no.			Dimensions in mm									Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Aluminium	A	B	C	D	E	F	G	N_1	N_2		
150.AR2	-K200	.70	25	60	160	-	150	-	-	2	3	110	125
	-K300		45	100	230		130	250		3		170	110
	-K400			150	270	330		280	350	4	4	230	95
	-K500			190	340	430			450			290	85



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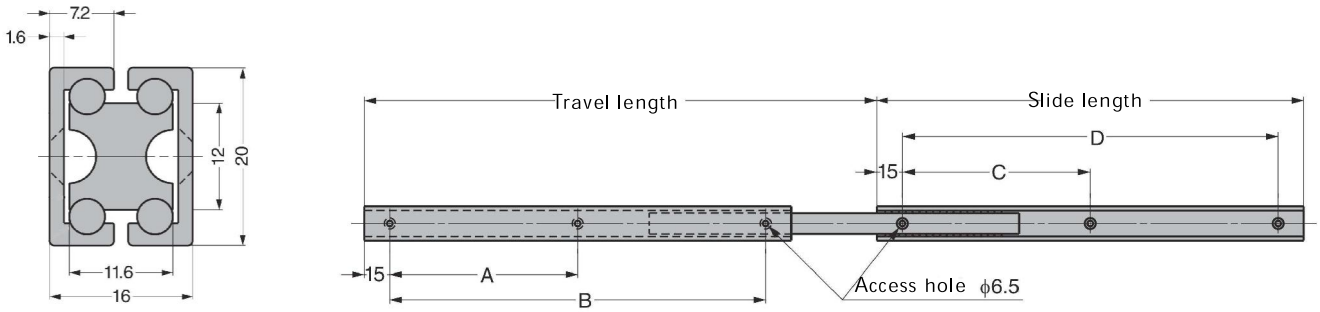
Drawer slides

Art. no.: 150.AR3 (for light weight)

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm				Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Aluminium	A	B	C	D		
150.AR3	-100	.70	-	70	-	70	100	110
	-200		85	170	85	170	223	90
	-300		135	270	135	270	345	70
	-400		185	370	185	370	460	50
	-500		235	470	235	470	576	30

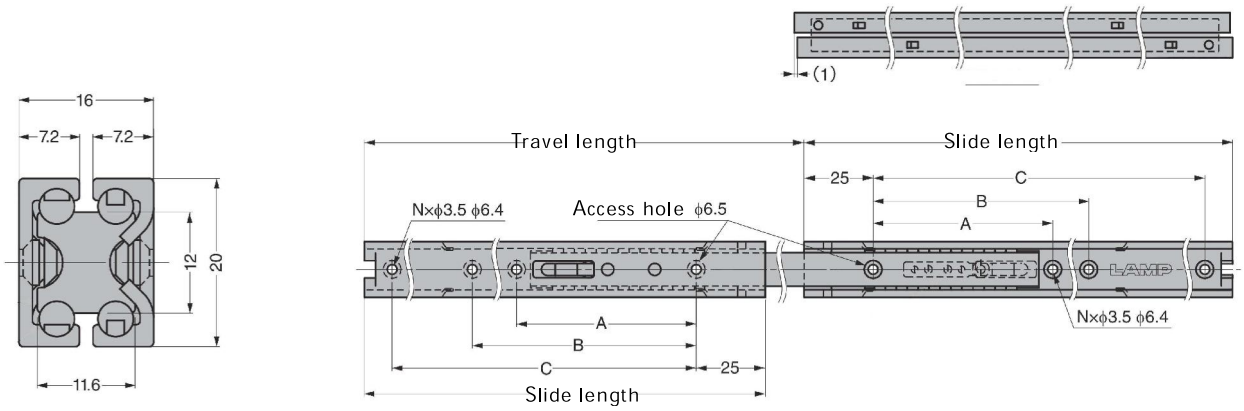


Art. no.: 150.AR3-K (with hold-out detent)

Full extension (3 members)

Sold by piece.

Article no.			Dimensions in mm				Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Aluminium	A	B	C	N		
150.AR3	-K200	.70	150	-	-	2	214	105
	-K300		130	250		3	314	100
	-K400			280	350	4	414	90
	-K500				450		514	85



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Drawer slides

Art. no.: 150.RKA5

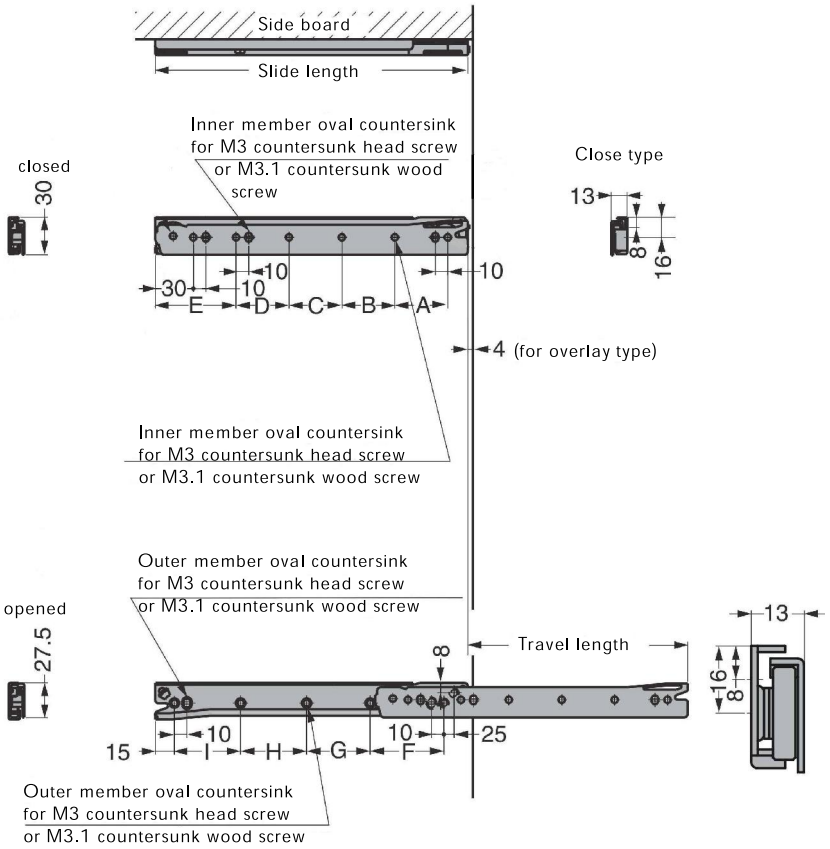
3/4 extension (2 members)

Sold by piece.

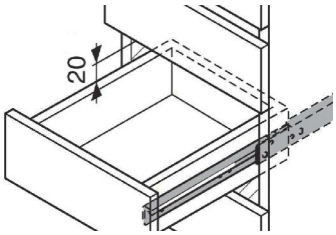
Article no.			Dimensions in mm											Travel length	Load capacity in N/pair
Series	Execution (Slide length)	Material - Stainless steel	A	B	C	D	E	Holes	F	G	H	I	Holes		
150.RKA5	-300-296	.30	165	-	-	-	115	6	112,5	112,5	-	-	6	205	147
	-350-346		105	105			120	7	91,5	92	91,5			250	
	-400-396		127,5	127,5			125		108,5	108	108,5		7	295	
	-450-446		100	100	100		130	8	125	125	125			340	
	-500-496		113	114	113		140		106	106,5	106,5	106	8	380	
	-550-546		126,5	127	126,5		150		119	118,5	118,5	119		420	
	-600-596		105	105	105	105	160	9	131,5	131	131	131,5		460	

Right-handed shown.
(right inner member: close type)

Side view of left side shown.
(left inner member: open type)



Required for drawer attaching/ detaching.



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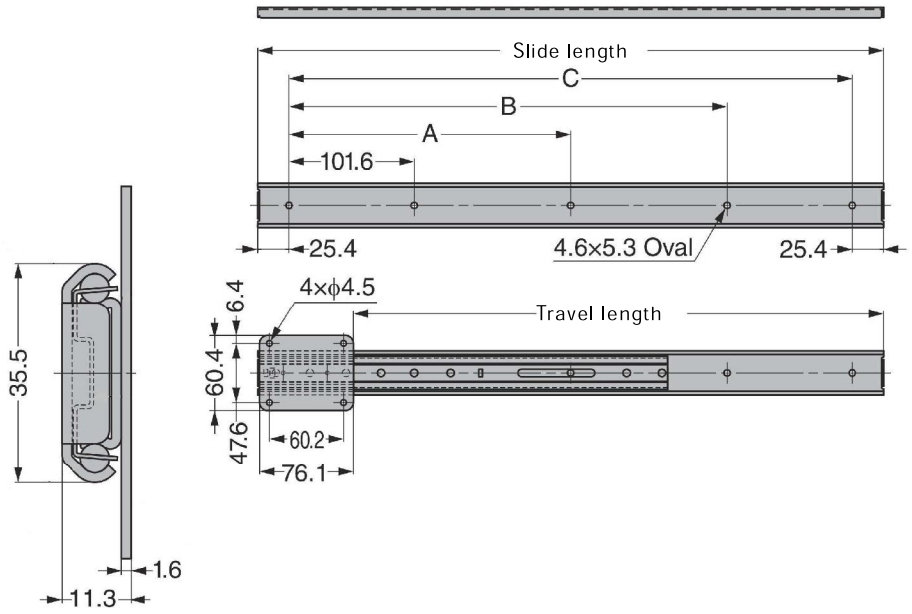
Drawer slides

Art. no.: 150.ESR9 (for light weight)

Ideal for doors of small cabinets.
2 slides can support up to 5kg.

Sold by piece.

Article no.			Dimensions in mm			Slide length	Travel length
Series	Execution	Material - Stainless steel	A	B	C		
150.ESR9	-12	.30	-	152,4	254	304,8	225
	-14			203,2	304,8	355,6	276
	-16			254	355,6	406,4	327
	-18		203,2	304,8	406,4	457,4	378
	-20		228,6	355,6	457,2	508	428
	-22		254	406,4	508	558,8	479
	-24		279,4	457,2	558,8	609,6	530
	-26		304,8	508	609,6	660,4	581
	-28		330,2	558,8	660,4	711,2	632



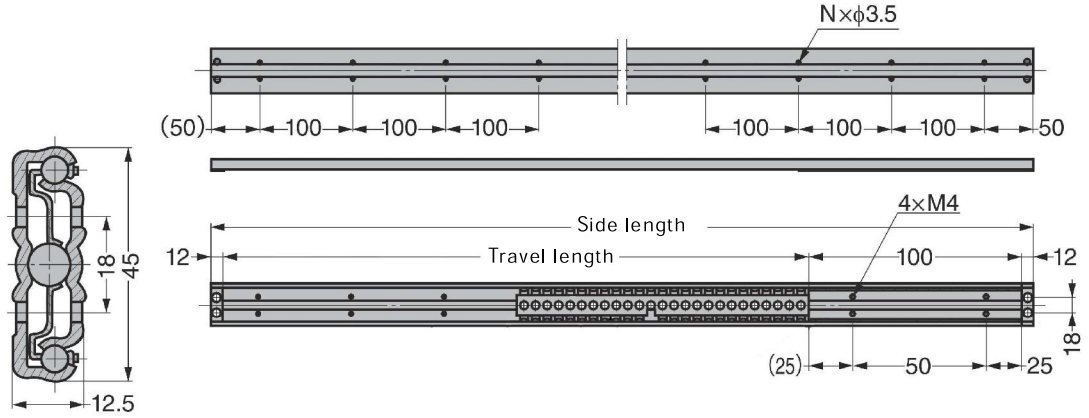
Drawer slides

Art. no.: 150.TSSL

Inner and outer member are supported with 3 steel balls for smooth movement.

Sold by piece.

Article no.			Slide length	Travel length	Holes N
Series	Execution	Material - Stainless steel			
150.TSSL	-300-100	.30	300	176	6
	-400-100		400	276	8
	-500-100		500	376	10
	-600-100		600	476	12
	-800-100		800	676	16
	1000-100		1000	876	20



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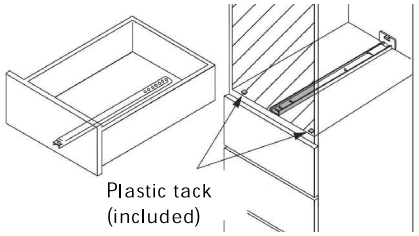
Drawer slides

Art. no.: 150.ESR2 (under-mount type)

3/4 extension (2 members)
The drawer can be stopped at any position by the resistance of the ball retainer.

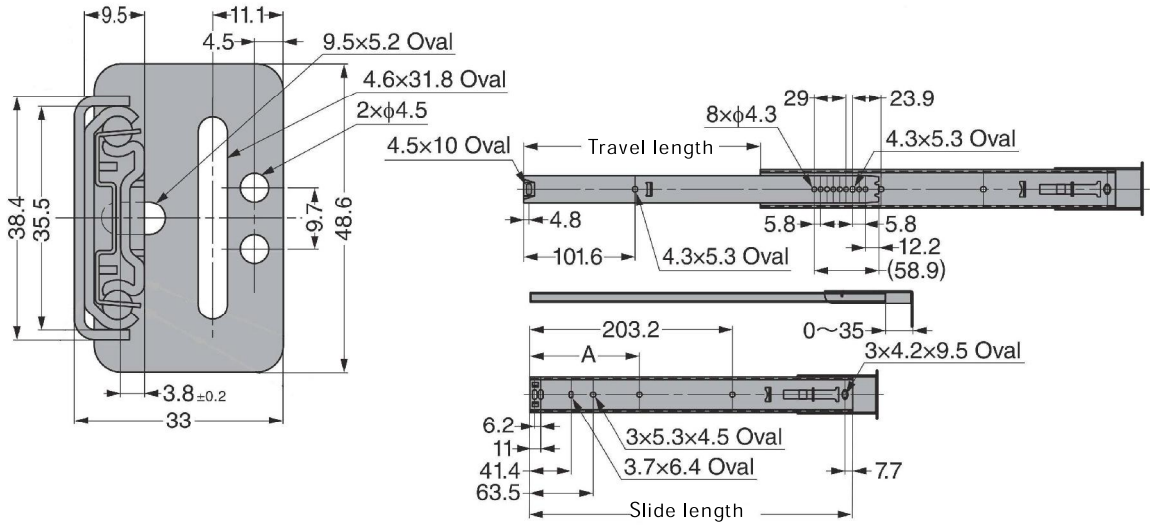
The drawer can be detached by pulling outward.



Installed to the bottom of the drawer.

Sold by piece.

Article no.			Dimension in mm	Slide length	Travel length	Load capacity in N/piece
Series	Execution	Material - Stainless steel	A			
150.ESR2	-12	.30	109,9	323,8	215,9	78
	-14		160,7	374,6	266,7	74
	-16		-	425,4	304,8	69
	-18		262,3	476,2	317,5	
	-20		313,1	527	368,3	64
	-22		363,9	577,8	419,1	59
	-24		414,7	628,6	444,5	54
	-26		465,5	679,4	495,3	49



Drawer slides

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