

Info
1 Quarter turns
2 Rod controls
3 Locking systems

Hinges for prominent doors (chapter 4A)

4A-120	4A-121	4A-130	4A-133	4A-135	4A-136	4A-137	4A-138	4A-139	4A-140	4A-145	4A-150	4A-160	4A-170	4A-190	4A-210	4A-215
							●	●			●		●		●	●
●	●	●	●	●	●	●			●	●	●	●		●		
					●	●									●	
●	●	●	●	●									●	●		●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
							●	●			●		●	●	●	●
							●	●							●	
120°	135°/180°	120°	120°	120°/135°	125°	115°/135°	180°	180°	180°	180°	180°	180°	180°	120°	180°	180°
	●			●			●		●	●	●	●				
									●							
							●	●	●		●		●	●	●	●
●	●	●		●	●										●	
●		●	●		●	●				●	●	●			●	
●	●	●	●	●	●	●										
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
							●	●	●	●	●	●			●	●
20	20/22	22/26	26	22/25	25	24/26	20	25	16/25	25	20	20	25	25	26	25

Hinges for flush doors and aluminium profiles (chapter 4B)

4B-120	4B-130	4B-140	4B-160	4B-170	4B-190	4B-200	4B-205	4B-207	4B-210	4B-212	4B-213	4B-215	4B-220	4B-230	4B-240	4B-243
			●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●														
●	●	●								●	●				●	●
												2D				
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
●	●	●			●	●	●	●	●	●	●	●	●	●	●	●
90°	90°	180°	180°	180°	180°	180°/270°	180°	180°	180°	180°	180°	180°	180°	180°	180°	160°
					●	●		●							●	
					●	●	●		●	●	●	●		●	●	●
●	●	●	●	●												
●	●		●		●	●	●		●	●	●		●			
														●		
●	●	●		●												
			●	●	●	●	●	●	●	●	●	●	●	●	●	●
					●			●							●	

Pin hinges (chapter 4C)

4C-120	4C-130															
	●															
●																
●																
●																
●																
	●															

x = variable Note: Hinges should be greased prior to use

4A-220	4A-250	4A-260	4A-280	4A-285	4A-290	4A-295	4A-300	4A-310	4A-450	4A-460	4A-480	Beschlagteile
●	●	●	●	●	●	●	●	●	●	●		Prominent hinge
			●								●	Concealed hinge
●				●	●	●	●				●	Lift-off version
												Restricted lift-off version
●	●	●	●	●	●	●	●	●	●	●	●	For single cabinets
●						●			●	●		For in-line cabinets with single door
●						●			●	●		For in-line cabinets with double door
180°	180°	180°	130°/180°	180°	180°	180°	180°	180°	180°	180°	120°	Opening angle
		●									●	Door cut out
				●								Polyamide
●			●	●		●		●	●	●	●	Zinc die
	●	●	●		●	●	●	●	●	●		Mild steel
	●			●			●					Stainless steel
		●										For pressure-resistant door
		●	●		●	●	●	●				Weld-on hinge
●	●	●	●	●	●	●		●	●	●	●	Screw-on hinge
●												Clamping hinge
20	X	x/12-14	X	X	X	x/18-23,5	X	X	20/25	10/25	25	Door return

1 Quarter turns

2 Rod controls

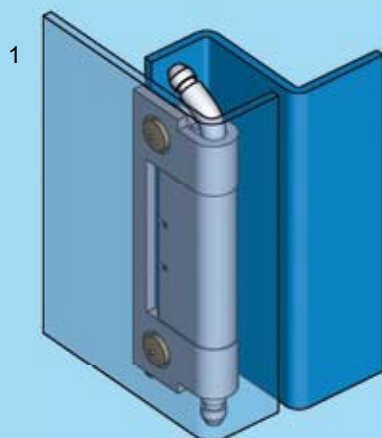
3 Locking systems

4 Hinges

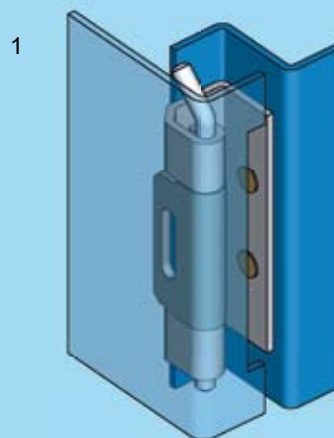
4B-245	4B-248	4B-250	4B-255	4B-260	4B-280	4B-290	4B-300	4B-320				
●	●	●	●	●	●	●	●	●				Prominent hinge
												Concealed hinge
												Lift-off version
												Restricted lift-off version
	2D	2D	3D	3D				●				Adjustable 2D/3D
●	●	●	●	●	●	●	●	●				For single cabinets
●	●	●	●	●	●	●	●	●				For in-line cabinets with single door
●												For in-line cabinets with double door
180°	180°	180°	180°	180°	180°	180°	180°	180°				Opening angle
												Door cut out
●							●					Polyamide
	●	●	●	●	●	●	●					Zinc die
												Mild steel
					●		●					Stainless steel
												For aluminium profiles
												Weld-on hinge
●	●	●	●	●	●	●	●	●				Screw-on hinge
												Clamping hinge

												Polyamide
												Mild steel
												Stainless steel
												Weld-on hinge
												Screw-on hinge
												Clip-in hinge

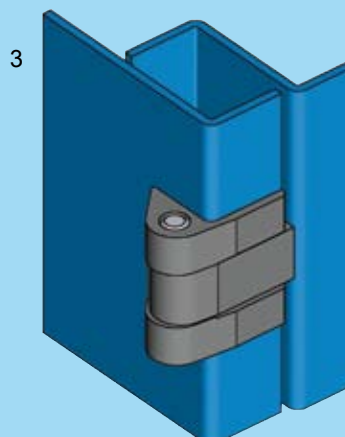
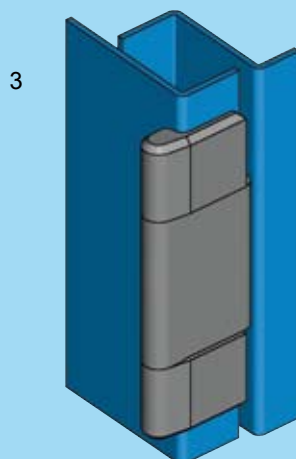
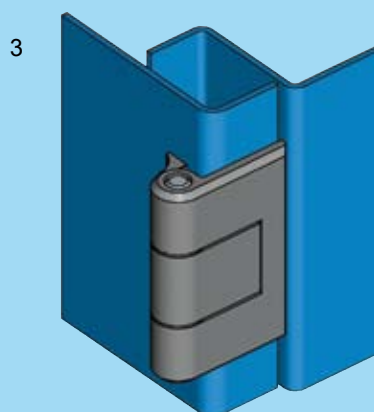
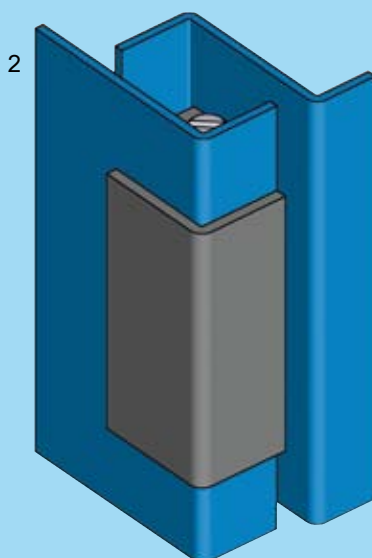
Hinge for prominent door



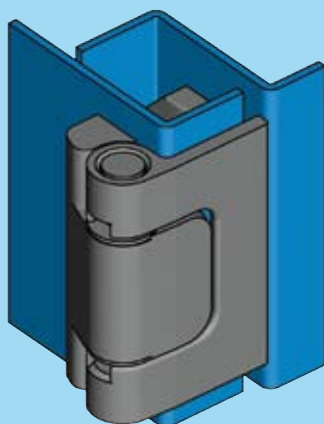
Door pictured transparent



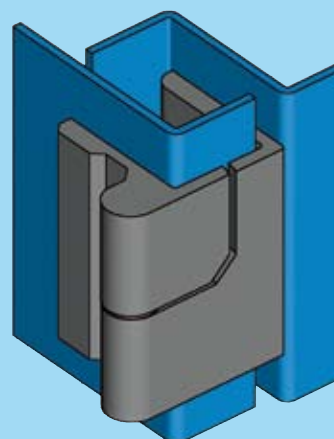
Door pictured transparent



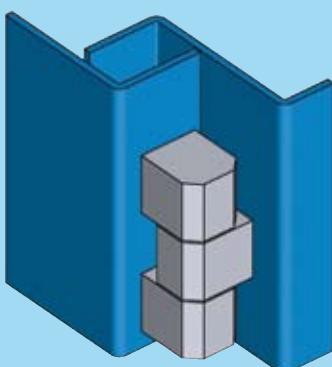
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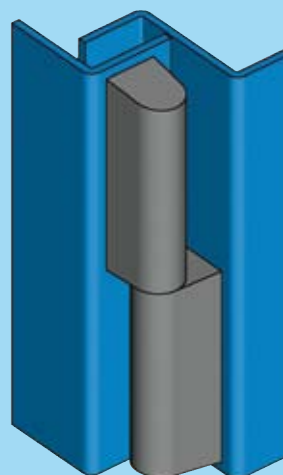
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5



6

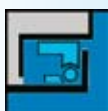


- 1 120° to 135° concealed hinge
- 2 120° concealed hinge and lift-off version
- 3 180° prominent hinge
- 4 180° prominent hinge and lift-off version
- 5 180° prominent hinge
- 6 180° prominent hinge and lift-off version

- 4A-120 up to 4A-135, 4A140
- 4A-150, 4A-190, 4A-280
- 4A-190
- 4A-138, 4A-150, 4A-160, 4A-450, 4A-460
- 4A-170, 4A-210 up to 4A-220
- 4A-250 up to 4A-280, 4A-310
- 4A-285 up to 4A-300



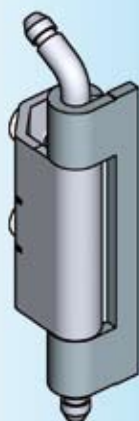
4A-100



RL



INOX
AISI
3..



* not included

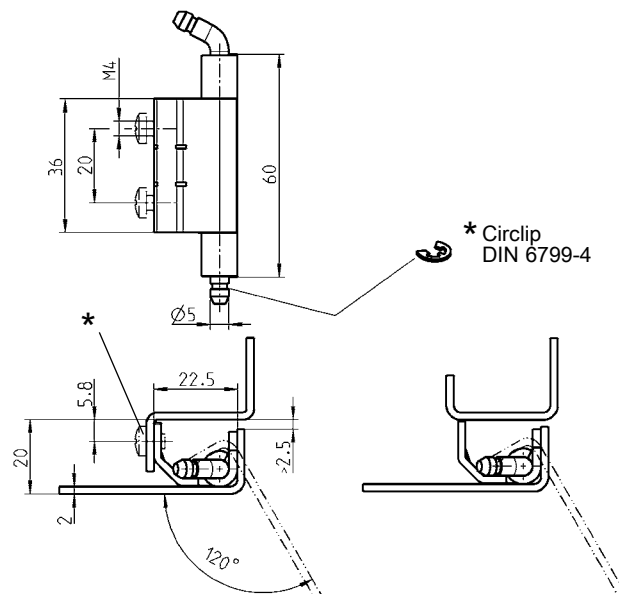
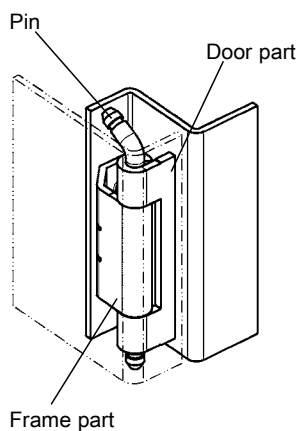
Further parts see page
– Fixing material

12E-100



**120° hinge
for 20 mm door return**

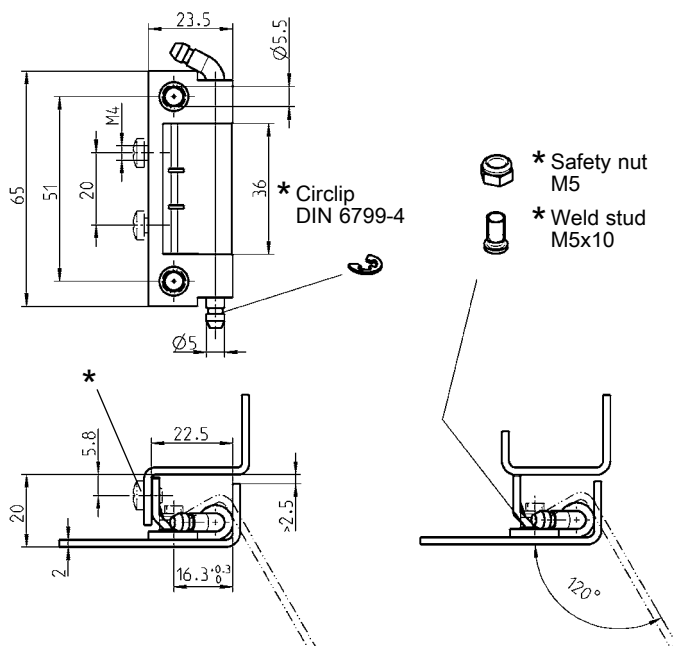
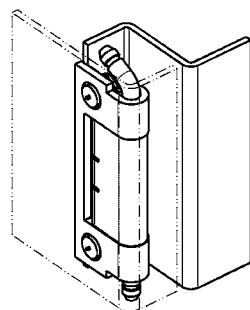
STAINLESS STEEL



Hinge m.s. zinc pl. or stainl. steel, door part m.s. raw or AISI 304

screw-on m.s.	1069-U1	weld-on m.s.	1069-U2
screw-on AISI 304	1069-U4	weld-on AISI 304	1069-U3

**120° hinge for weld stud fastening
for 20 mm door return**



Hinge m.s.zinc plated; screw-on

1069-U6

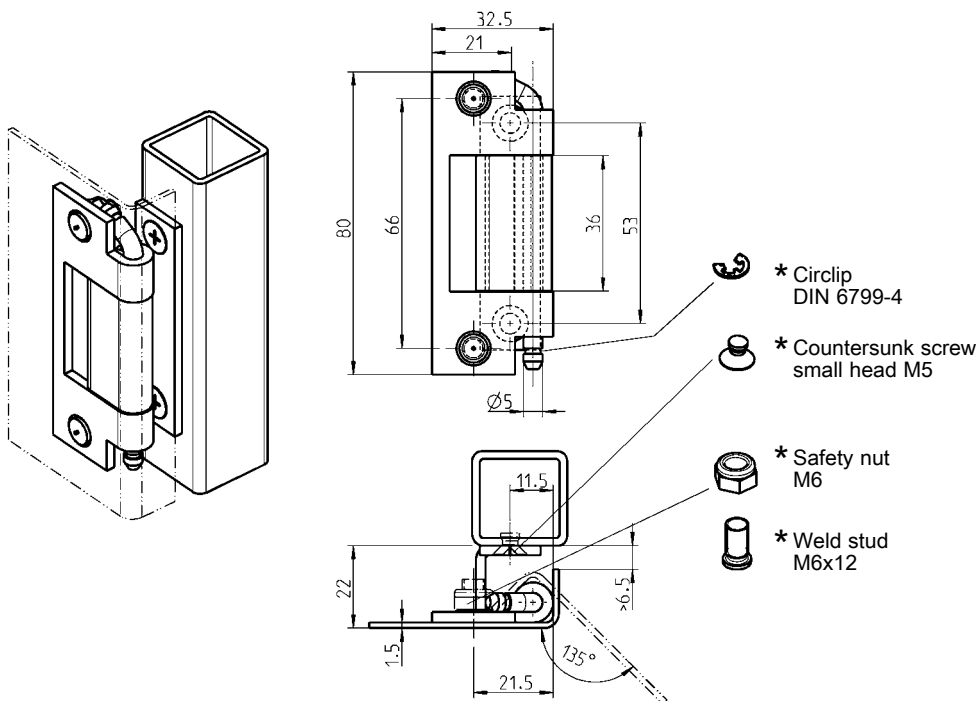
Hinge m. s. zinc plated; weld-on

weld-on part m.s. raw

1069-U5

135° and 180° hinge PROGRAM 1032, 1110

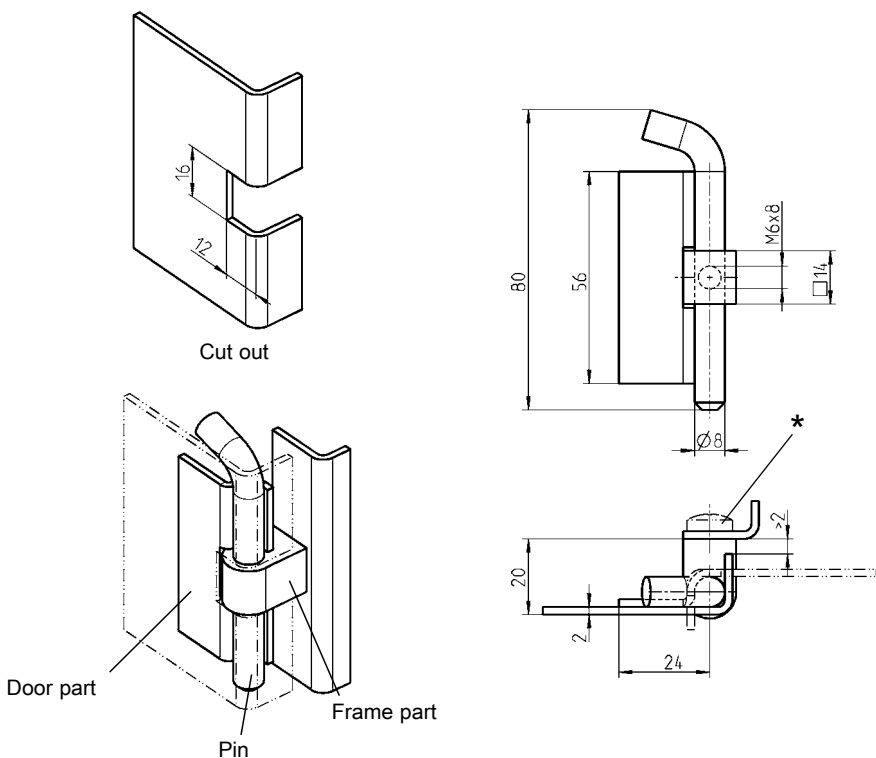
135° hinge for 22 mm door return



Hinge m.s. zinc plated

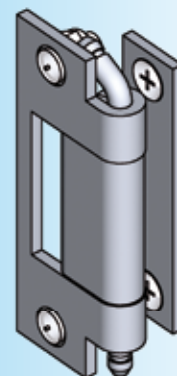
1032-U6

180° hinge for 20 mm door return

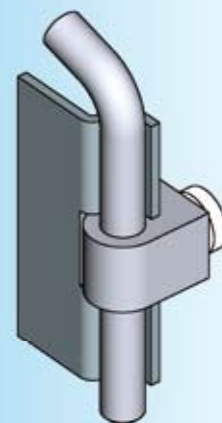


Hinge m.s. zinc plated; weld-on parts raw

1110-U1



small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047



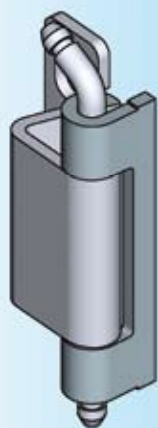
* not included

Further parts see page
– Fixing material

12E-100

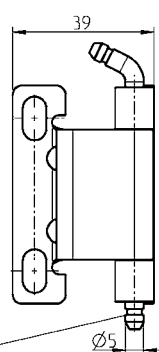
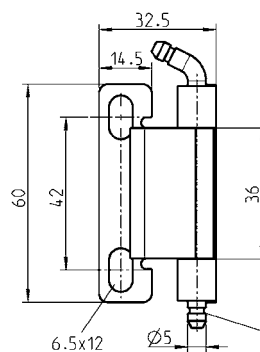
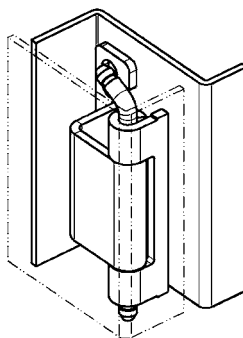
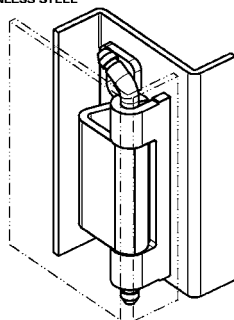
120° hinge PROGRAM 1032

Beschlagteile



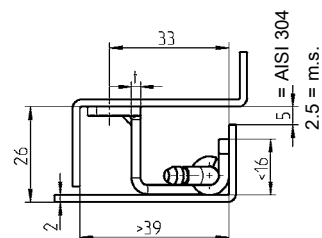
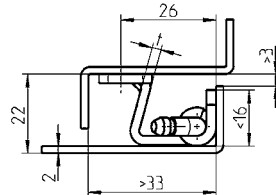
120° hinge for 22 or 12 mm door return

STAINLESS STEEL



* Circlip
DIN 6799-4

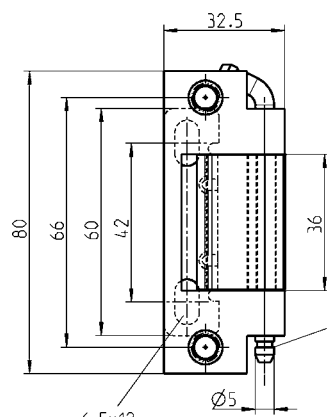
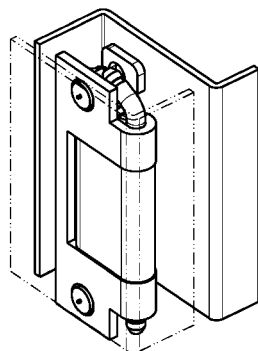
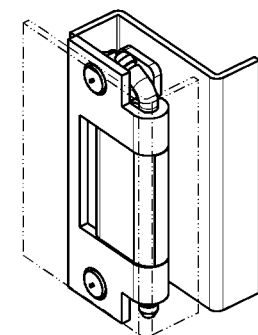
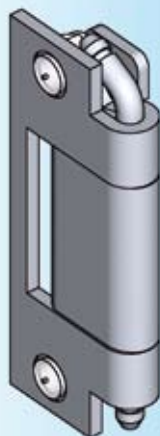
m.s. t = 2.50
Stainless steel t = 2.25



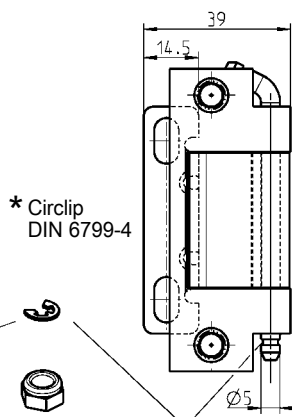
120° hinge m.s. zinc plated or stainless steel; door part m.s. raw or AISI 304

m.s. (Dim. 22)	1032-U1	m.s. (Dim. 26)	1031-U1
AISI (Dim. 22)	1032-U2	AISI (Dim. 26)	1031-U2

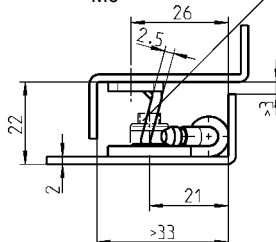
120° hinge for weld stud fastening
for 22 or 12 mm door return



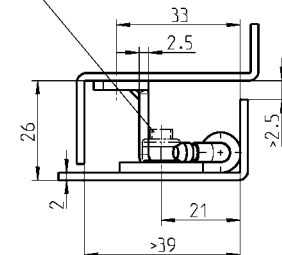
* Circlip
DIN 6799-4



* Safety nut
M6



* Weld stud M6x12



* not included

Further parts see page
– Fixing material

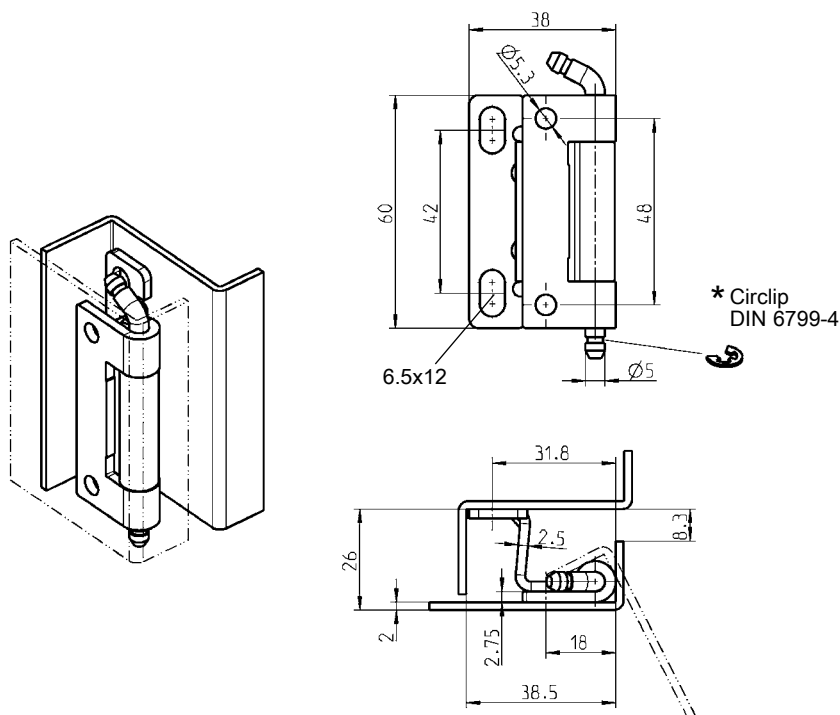
12E-100

Hinge m.s. zinc plated

(Dim. 22)	1032-U5	(Dim. 26)	1031-U10
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120° hinge 170° hinge with captive pin PROGRAM 1031

120° hinge for 26 mm door return



EMKA

Info

Beschlagteile

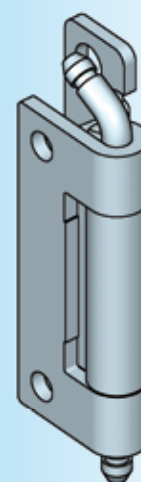


1 Quarter turns

2 Rod controls

3 Locking systems

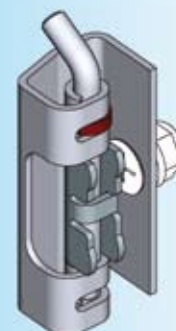
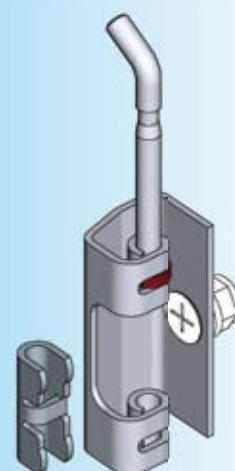
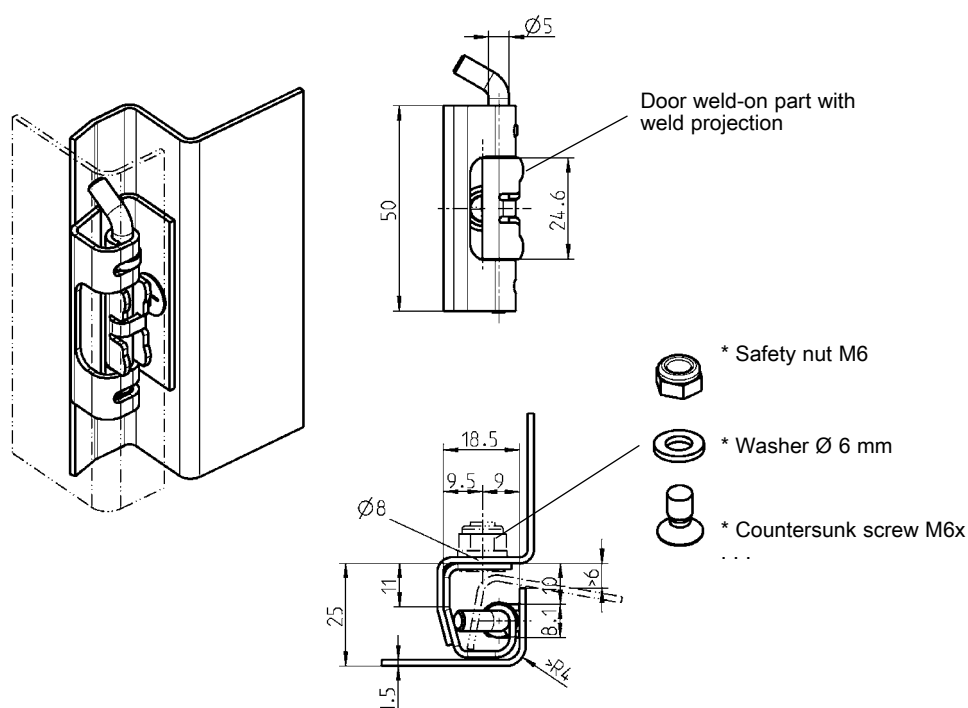
4 Hinges



120° hinge AISI 304

1031-U17-PC

170° hinge for 25 mm door return



* not included

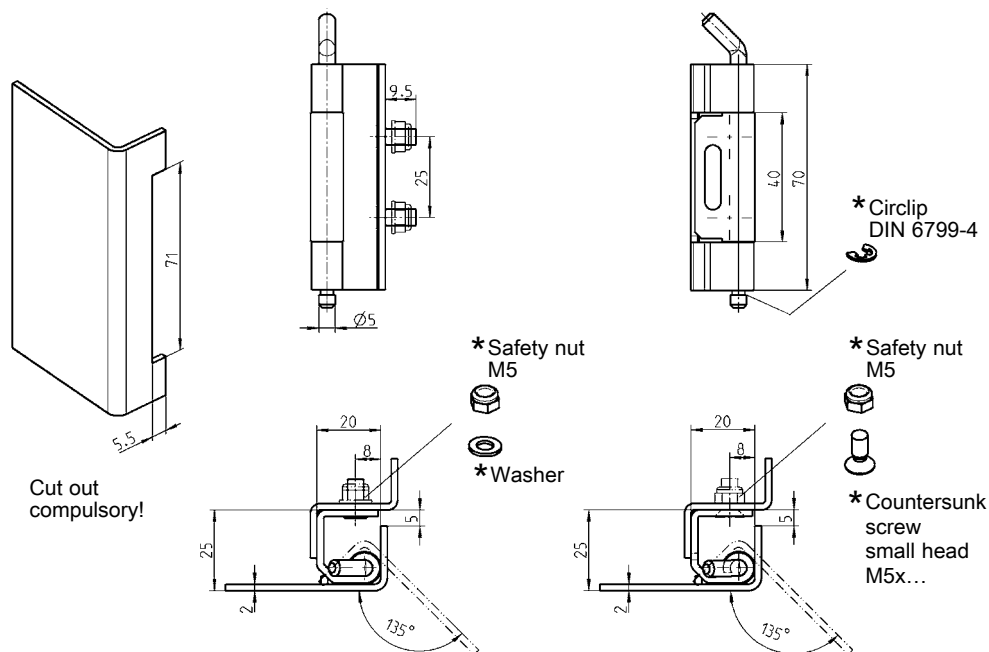
170° hinge m.s. zinc plated; door weld-on part m.s. raw; pin clamping ring POM red

1031-U16

120° and 135° hinge PROGRAM 1069, 1031



135° hinge for 25x20 mm door return



Hinge with press-fit threaded studs

Hinge for countersunk screw M5

135° hinge

Frame part m.s. zinc-plated; roll m.s. raw; pin m.s. zinc-plated; threaded studs m.s. zinc-plated

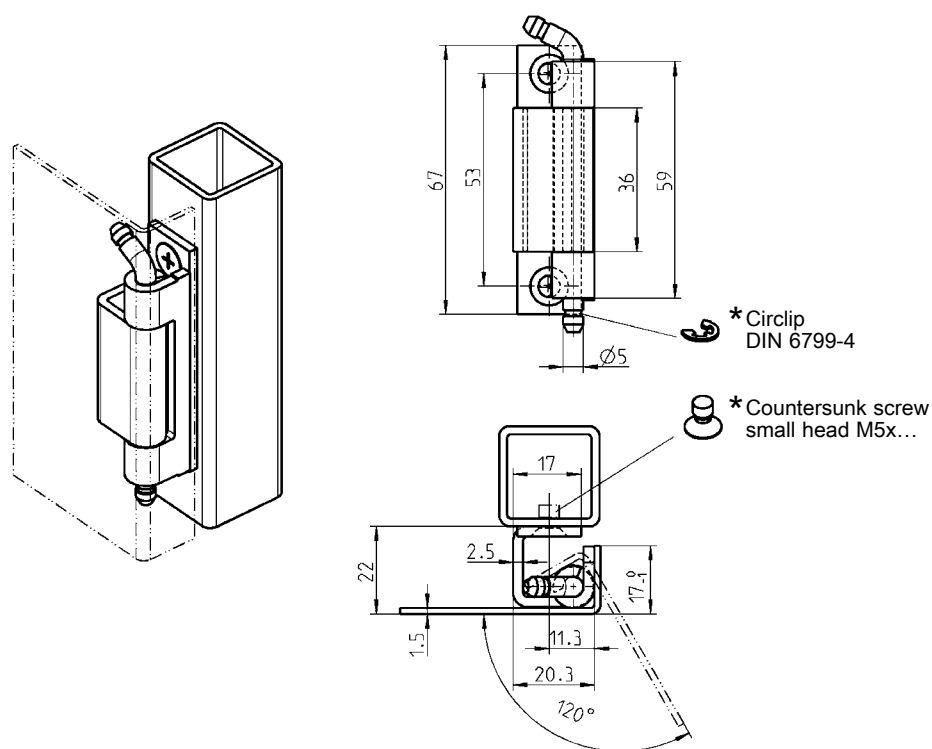
with press-fit threaded studs M5x12

1069-U7

for countersunk small head M5

1069-U8

120° hinge for 22 mm door return



* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

Further parts see page
– Fixing material

12E-100

120° hinge

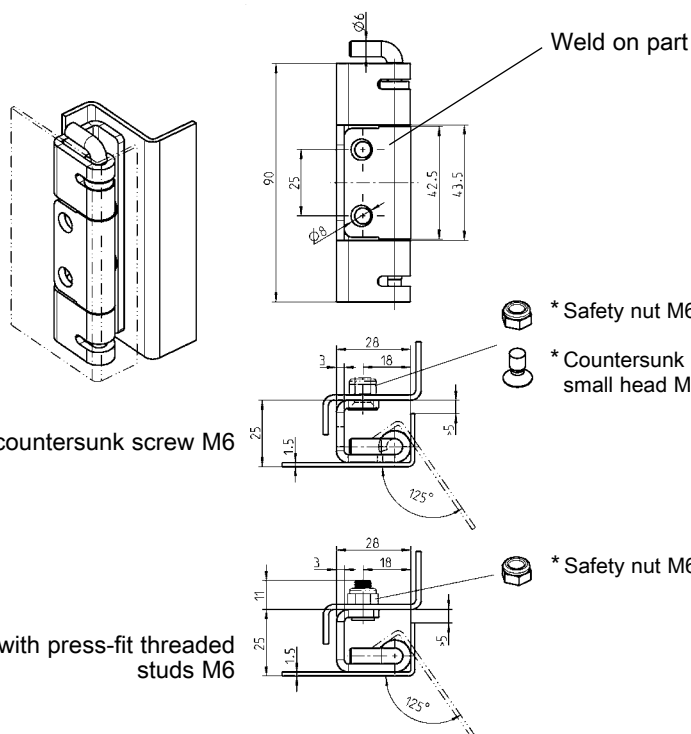
frame part m.s. zinc-plated; roll m.s. raw; pin m.s. zinc-plated

1031-U7

125° hinge with captive pin

PROGRAM 1031

125° hinge for single cabinets
for 25 mm door return



Hinge for countersunk screw M6

Hinge with press-fit threaded studs M6

Hinge frame part, pin and threaded studs m.s. zinc-plated; door part m.s. raw;
pin clamping ring POM red

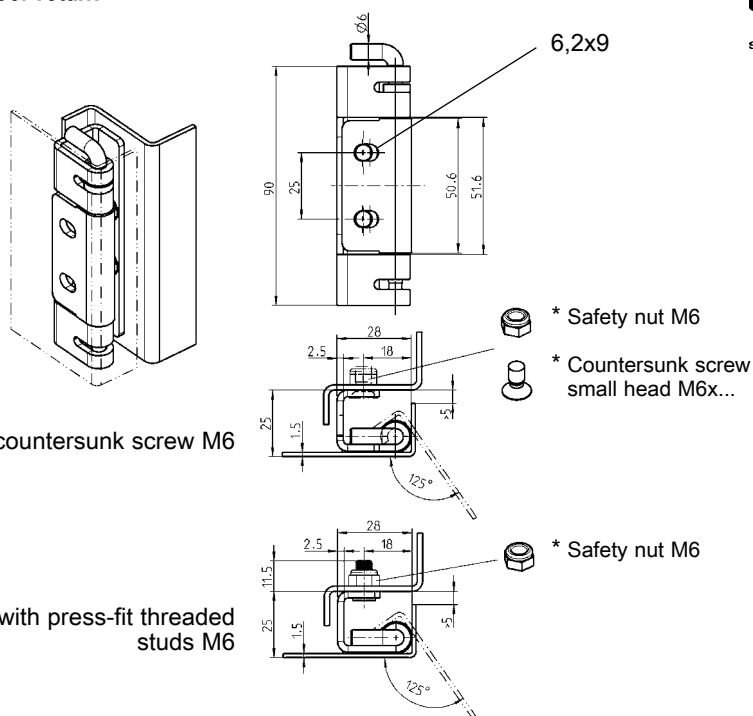
for countersunk small head M6

1031-U12

with press-fit threaded studs M6x15

1031-U19

125° hinge for single cabinets
for 25 mm door return



Hinge for countersunk screw M6

Hinge with press-fit threaded studs M6



125° hinge AISI 304 or AISI 316Ti; threaded studs stainless steel; pin clamping ring POM red

AISI 304 for countersunk small head M6

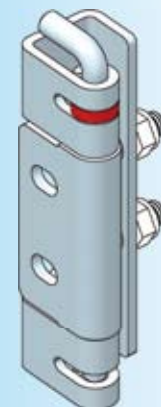
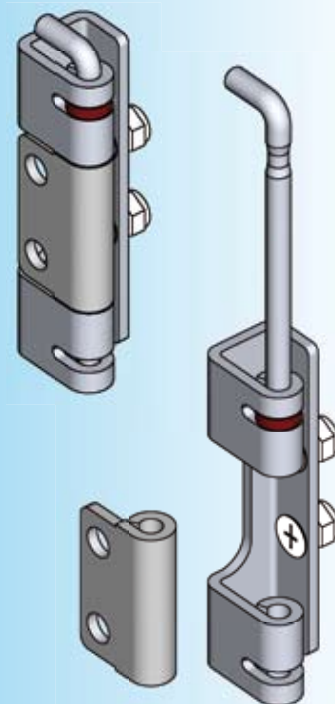
1031-U13

AISI 316Ti for countersunk small head M6

1031-U22

AISI 304 with press-fit threaded studs M6x15

1031-U20



* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

135° hinge with captive pin

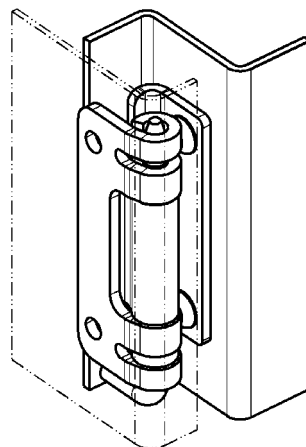
PROGRAM 1031

Beschlagteile

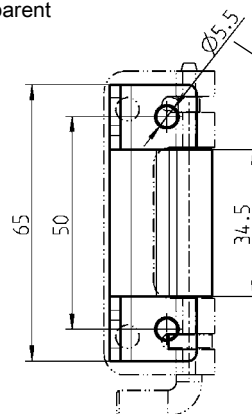
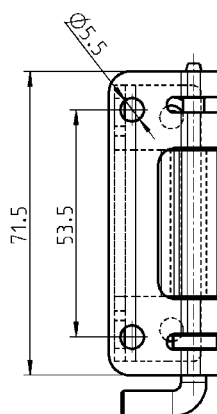


STAINLESS STEEL

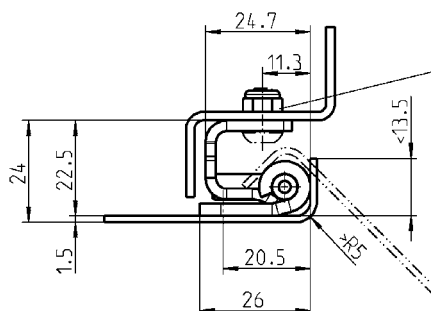
135° hinge for single cabinets
for 24 mm door return



Hinge depicted
transparent



Frame part with
hole Ø9 mm



* Safety nut M5

* Oval head screw
DIN ISO 7380 M5x...

* not included

135° hinge AISI 304; pin AISI 303; pin clamping ring POM red

Fixing points according to common standards

1031-U15

4A-136

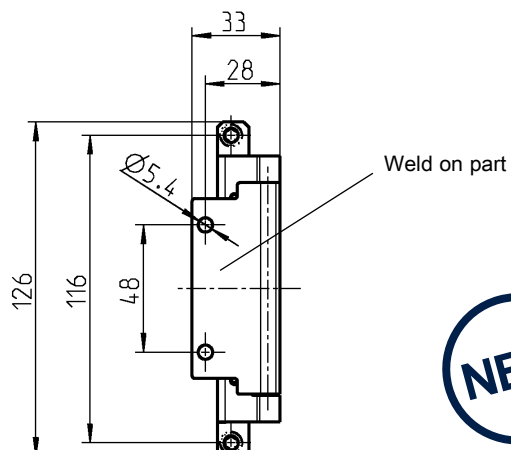
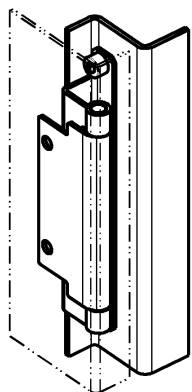
(4A-133)

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115° and 122° hinge with captive pin

PROGRAM 1031

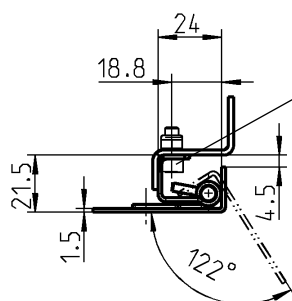
122° hinge for single cabinets
for 22 mm chamfering



NEW

* Safety nut M5

* Socket head screw
M5x...



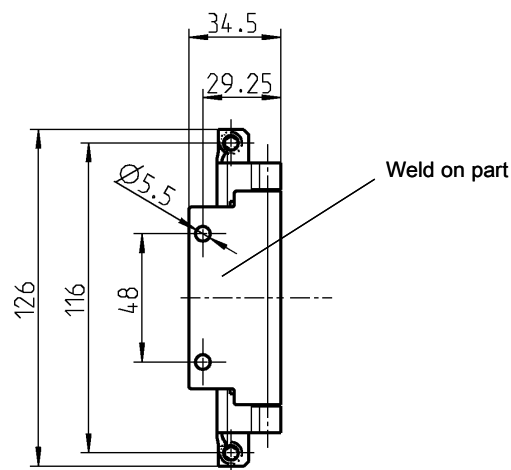
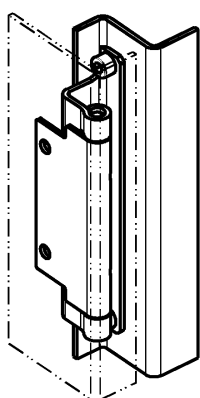
Product benefits

- can be hinged and unhinged without tools

122° hinge m.s. zinc plated, with spring

1031-U18

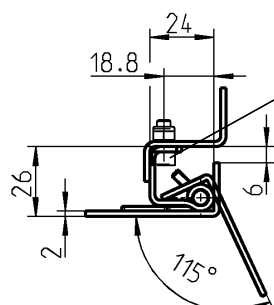
115° hinge for single cabinets
for 26 mm door return



EDELSTAHL®
Rost frei
STAINLESS STEEL

* Safety nut M5

* Socket head screw
M5x...



Product benefits

- can be hinged and unhinged without tools

115° hinge AISI 304

1031-U14

EMKA

Info

Beschlagteile

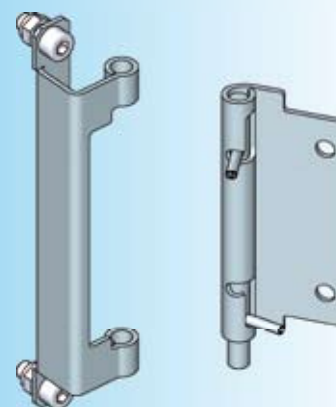


1 Quarter turns

2 Rod controls

3 Locking systems

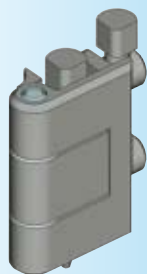
4 Hinges



* not included

180° hinge PROGRAM 1110

180° hinge for in-line cabinets with double doors
20 mm door return



Version A



Version B



Version C

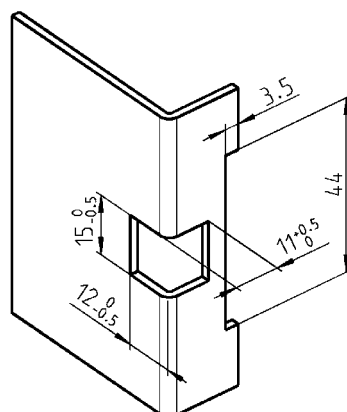


Version D

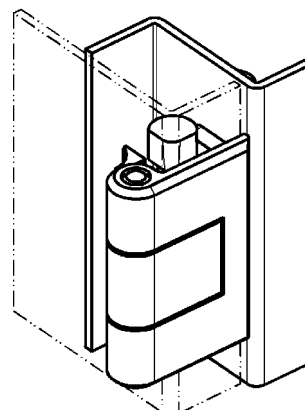
* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

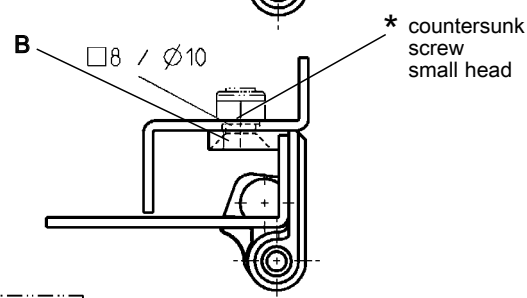
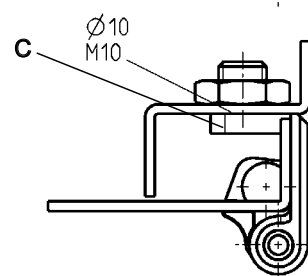
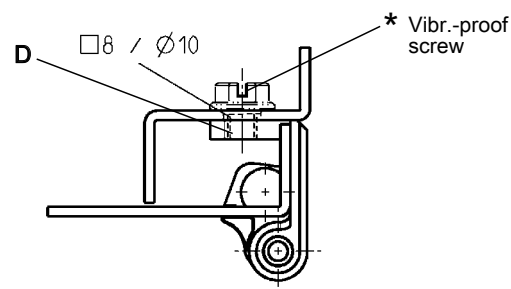
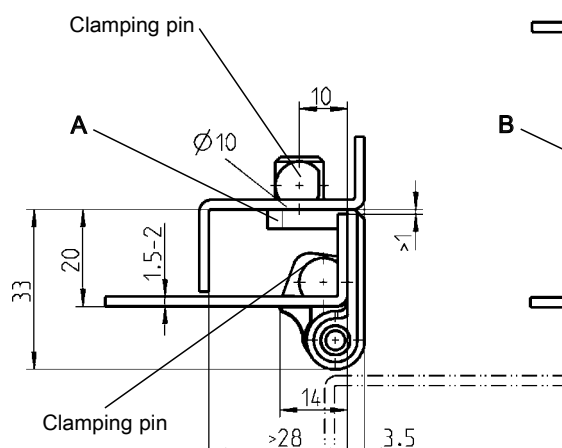
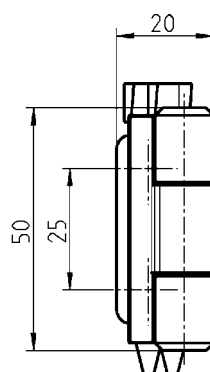
Further parts see page
– Fixing material 12E-100



Cut out



Assembling:
Hinge is fixed by driving in
the clamping pin.

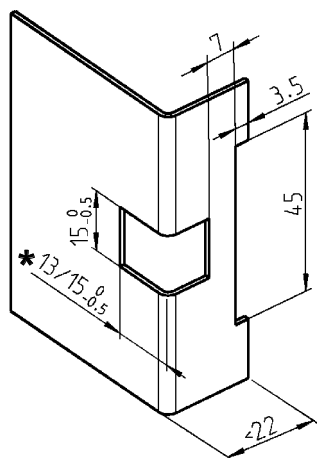


Hinge zinc die, black powder-coated;
clamping pin Polyamide GF black;

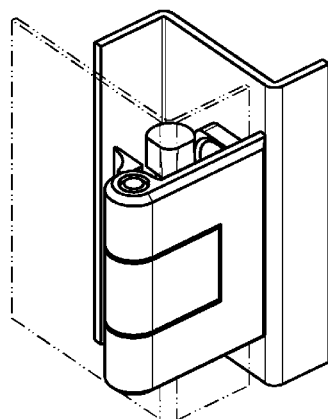
Version A	1110-U128
Version B	1110-U130
Version C	1110-U129
Version D	1110-U127

180° hinge PROGRAM 1110

180° hinge for inline cabinets with double doors

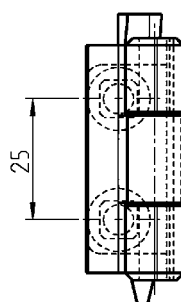
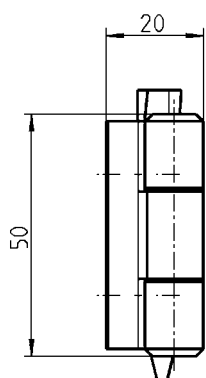


Cut out

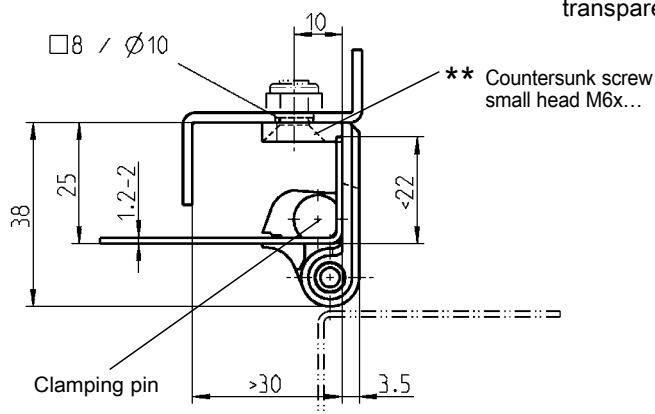


Assembling:
Hinge is fixed by driving in the clamping pin.

- * Door thickness 1.2-1.5=13 mm
- Door thickness 1.5-2.0=15 mm



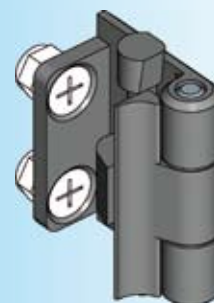
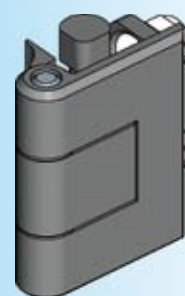
Hinge depicted transparent



** not included

Hinge zinc die black powder-coated;
clamping pin polyamide GF black;

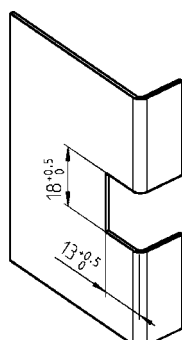
1110-U140



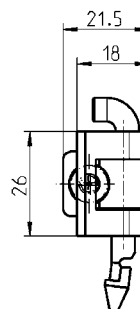
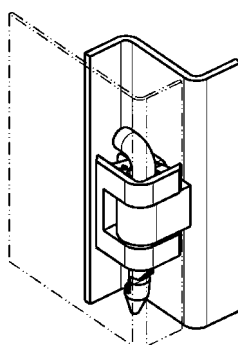
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

180° hinge PROGRAM 1110

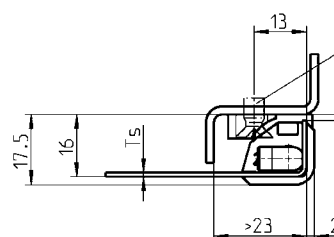
180° PA hinge for single cabinets
with 16 mm door return



Cut out



* Countersunk screw smaller head M5x... or rivet Ø 5



180° hinge Polyamide GF black; pin Polyamide black

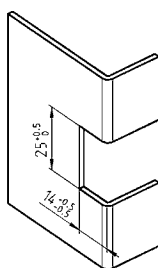
Ts 1.0 - 1.25 mm

1110-U23

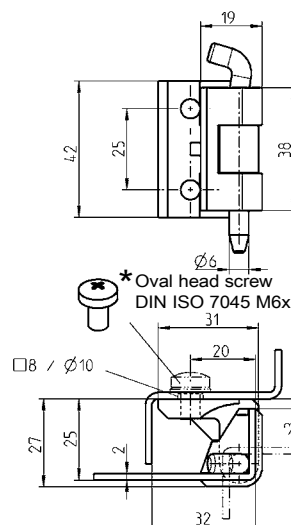
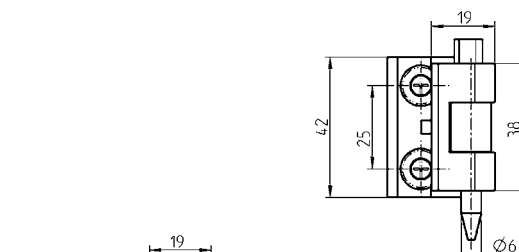
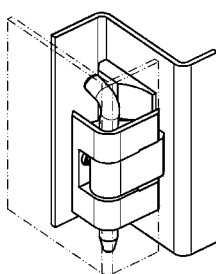
Ts 1.5 - 2.0 mm

1110-U24

180° hinge for single cabinets
for 25 mm door return



Cut out



* Safety nut M6



* Countersunk screw small head M6x...

* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

Further parts see page

– 2D-nut 12E-120
– Fixing material 12E-100

180° hinge zinc die; pin m.s. zinc pl.

chrome plated

black powder coated

Locking screw M6

1110-U20

1110-U22

Countersunk screw M6 (2D-nut possible)

1110-U19

1110-U21

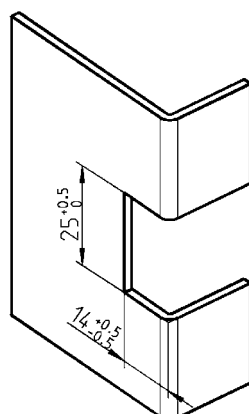
180° hinge Polyamide GF black; pin Polyamide black

Countersunk screw M6 (2D-nut possible)

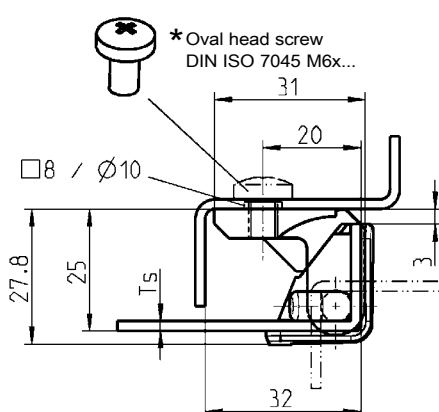
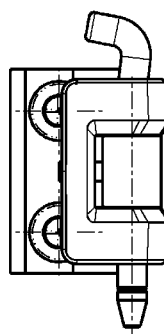
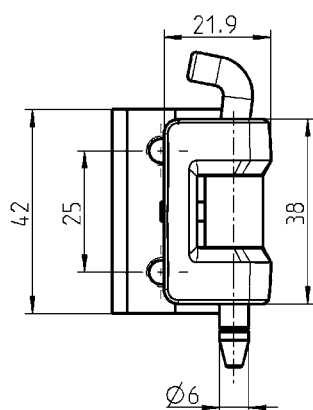
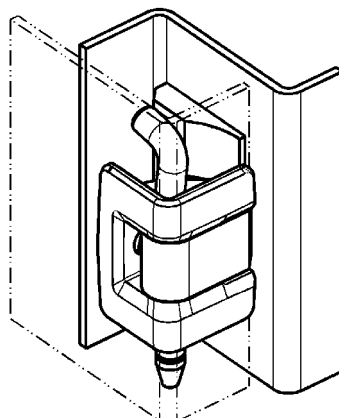
1110-U125

180° hinge PROGRAM 1110

180° hinge for single cabinets
for 25 mm door return



Cut out



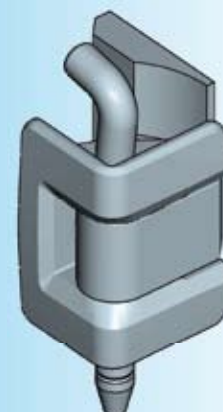
* Oval head screw
DIN ISO 7045 M6x...



* Safety nut M6



* Countersunk screw
small head M6x...



* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

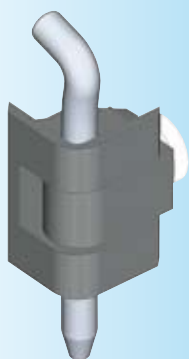
Further parts see page
– 2D-nut

12E-120

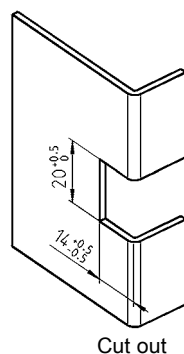
180° hinge AISI 316; pin AISI 303

	Ts 0.8 - 1.0	Ts 1.5 - 2.0
Locking screw M6	1110-U134	1110-U135
Countersunk screw M6 (2D-nut possible)	1110-U136	1110-U137

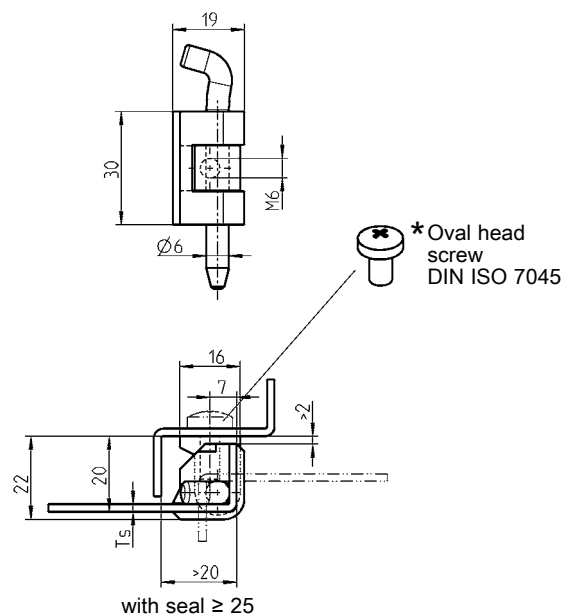
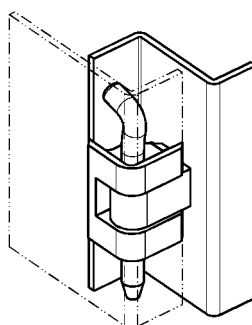
180° hinge PROGRAM 1110



180° hinge for single cabinets
for 20 mm door return



Cut out

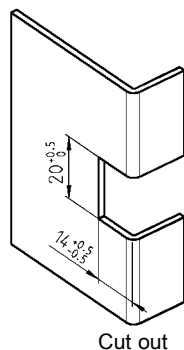


180° hinge zinc die and pin m.s. zinc pl. or AISI 316 and pin 303

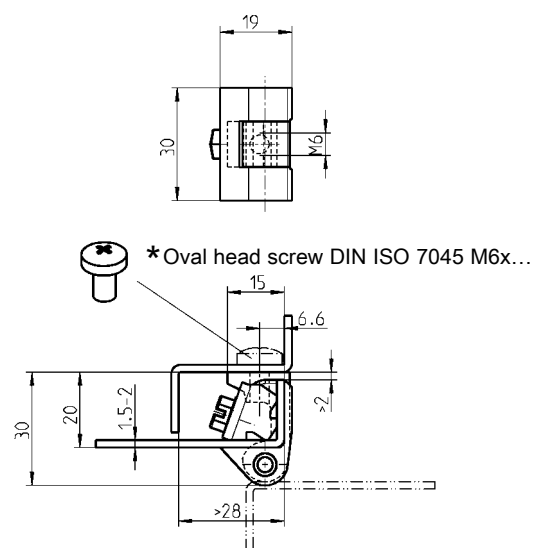
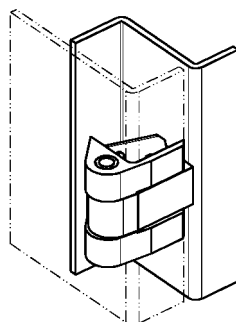
	Ts 0,8 – 1,0	Ts 1.5 – 2.0
Zinc die chrome-plated	–	1110-U2
Zinc die black powder coated	–	1110-U3
AISI 316	1110-U51	1110-U50



180° hinge for in-line cabinets with adjacent door
for 20 mm door return



Cut out



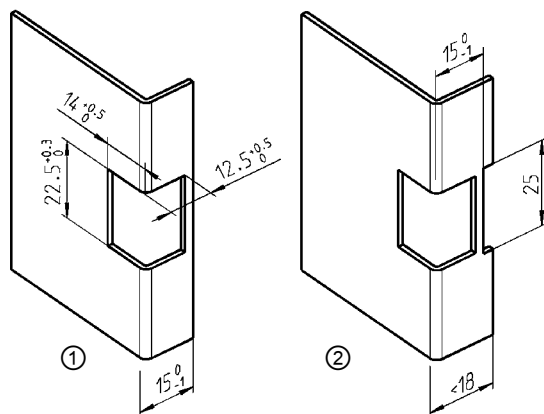
180° hinge zinc die or AISI 316; pin m.s. zinc plated or AISI 304;
Fixing material m.s. zinc plated or AISI 303

chrome plated	1110-U4-N
black powder coated	1110-U5-N
AISI 316	1110-U5-NPH

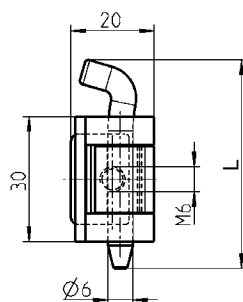
* not included

180° hinge PROGRAM 1110

180° hinge for single cabinets
for 20 mm door return



Cut out
on choice

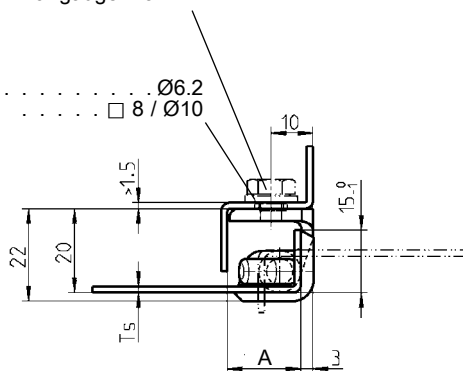


Pin length ① ; L = 50
Pin length ② ; L = 66

* for type zinc-die / m.s.:
vibration proof screw 1000-277-02JB (M6x6)

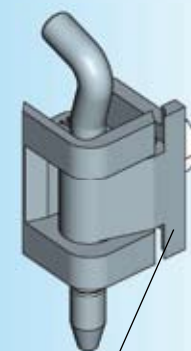
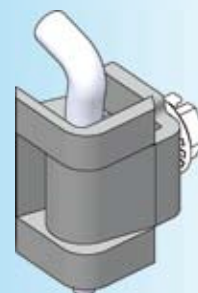
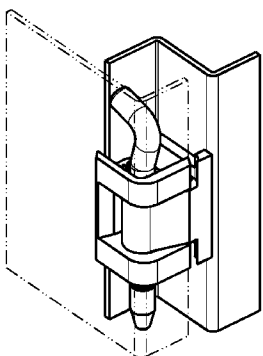
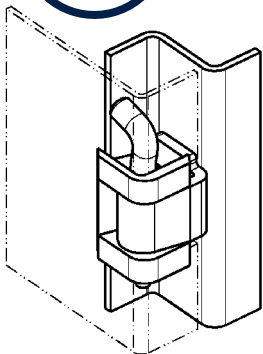
* for type stainless steel:
disc DIN ISO 7089 - 6 and
hexagon screw DIN ISO 4017 M6 x 6
for gauge 1.5

Zinc-die / m. s. Ø6.2
Stainless steel: 8 / Ø10



Cut out ① ; A = 17.5
Cut out ② ; A = >19

NEW



Frame part with M6-thread
and spigot

180° hinge, door part zinc-die black powder-coated;
Frame part m. s. black powder-coated; pin ① m.s. zinc-plated

Ts 1.5 - 2.0

1110-U141

180° hinge AISI 316; pin ② AISI 303

Ts 1.5

1110-U131

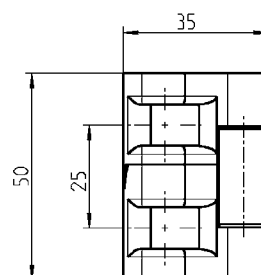
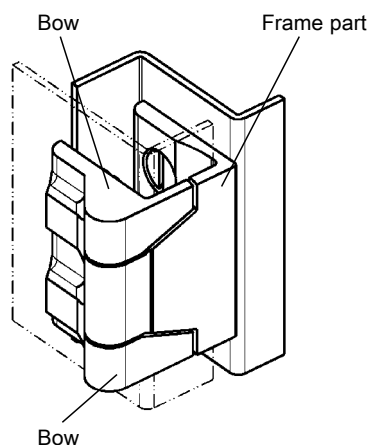
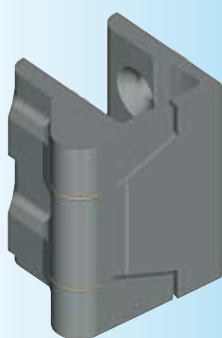
Ts 2.0

1110-U132

* not included

180° hinge PROGRAM 1110

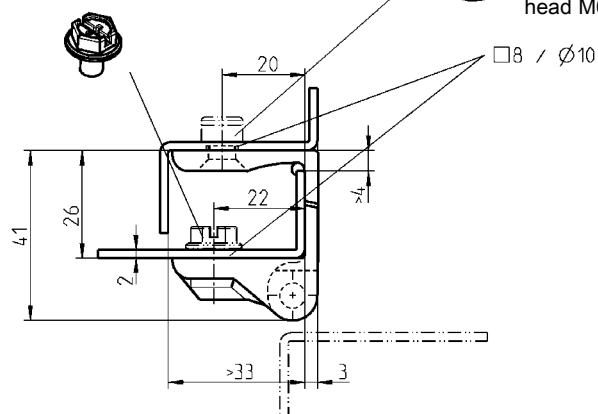
180° hinge for in-line cabinets with single door
135° lift-off version for 25 mm door return



* Vibration proof screw
1000-277-03JB (M6x8)

* Safety nut
M6

* Countersunk
screw small
head M6x...



180° hinge zinc die; pins stainless steel and washers brass

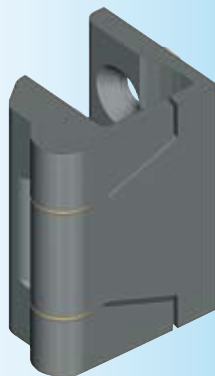
black powder coated

1110-U52

chrome plated

1110-U53

180° hinge for in-line cabinets with single door
lift-off version for 25 mm door return



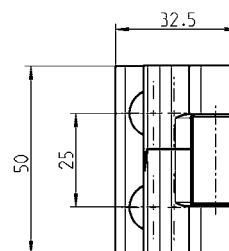
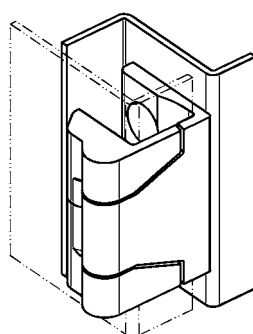
Note:
Lift-off by removing the lower
door part

* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

Further parts see page

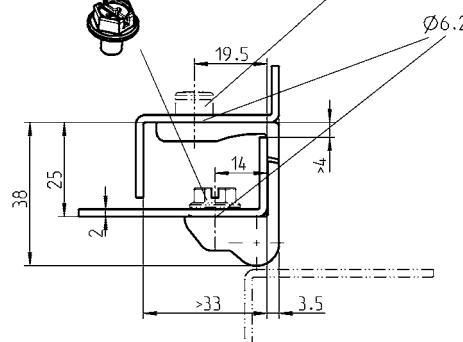
– 2D-nut 12E-120
– Fixing material 12E-100



* Vibration proof screw
1000-277-03JB (M6x8)

* Safety nut
M6

* Countersunk
screw small
head M6x...



If a reduced gap is required between
the door and frame of approx 1-2 mm
then a cut-out is required.
The deeper the cut-out, the closer the
door can be to the frame.

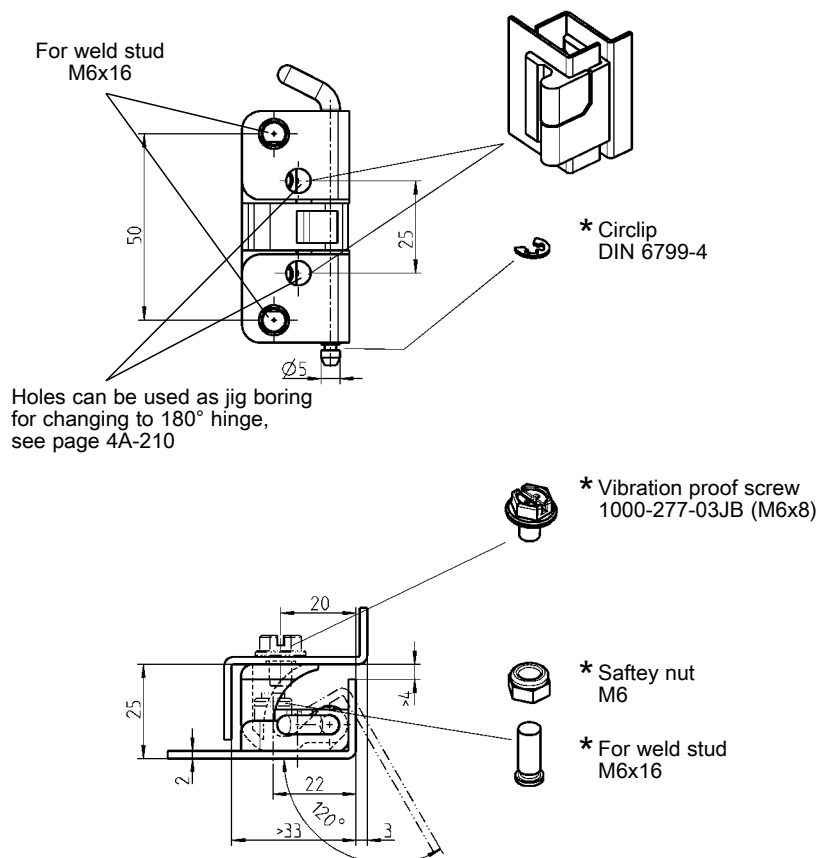
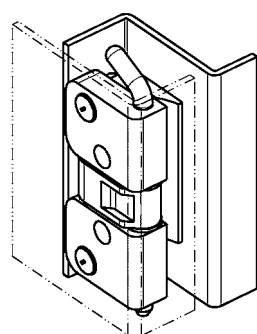
180° hinge zinc die black powder coated;
hinge pin m.s. zinc plated; washer brass

1110-U123

120° hinge

PROGRAM 1110

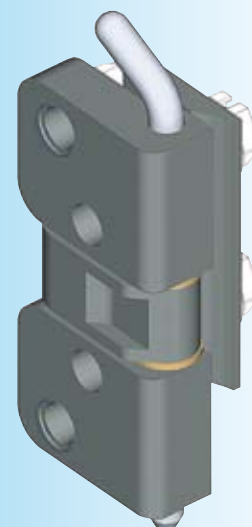
120° hinge for in-line cabinets with single door
for 25 mm door return



Available on request chrome plated
and with further RAL-colours

120° hinge zinc die black powder coated;
pin m.s. zinc plated

1110-U86



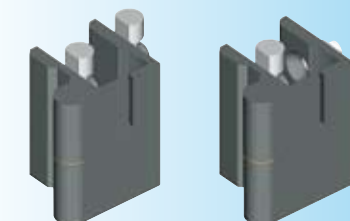
* not included

Further parts see page
– Fixing material

12E-100

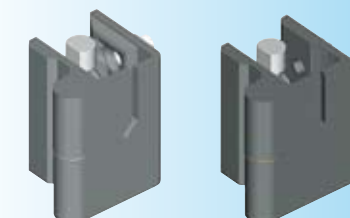
180° hinge PROGRAM 1110

Beschlagteile



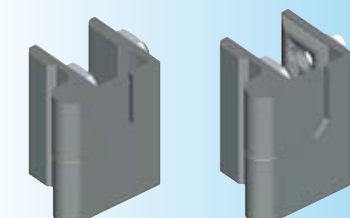
Version A+E

Version C+E



Version C+E

Version D+E



Version B+F

Version C+F

* not included

** 2D-nut possible

Note:
Detachable from 70 ° viewing
angle, but not hinge bracket
in AISI and St

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

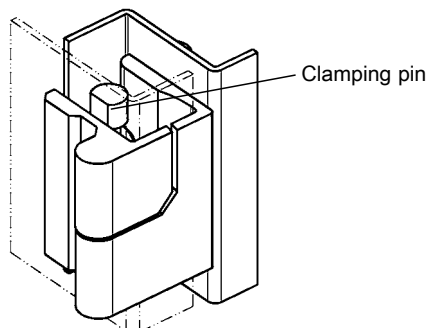
Further parts see page
– 2D-nut 12E-120
– Fixing material 12E-100



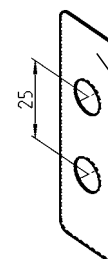
STAINLESS STEEL

180° hinge for in-line cabinets with adjacent door
lift-off upon 70° opening angle for 26 mm door return

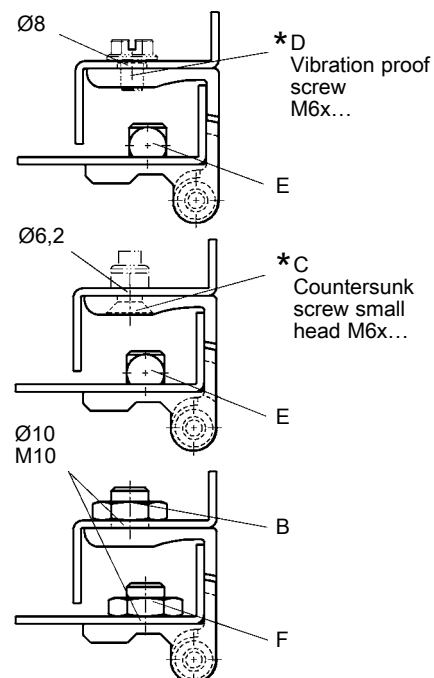
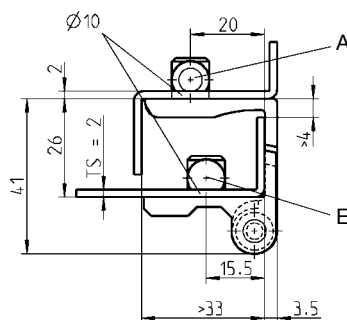
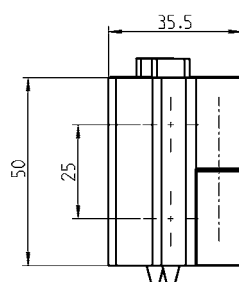
Version for
Ts = 2



Clamping pin



Spacer plate has to be
ordered sep. for different
door gauges
(one plate per clamping
bar)



*D
Vibration proof
screw
M6x...

*C
Countersunk
screw small
head M6x...

180° hinge zinc die black
powder coated; Fixing pin Polyamide GF

Version	LH	RH
A+E	1110-U71	1110-U68
C+E ** (2D)	1110-U69	1110-U66
D+E	1110-U70	1110-U67
B+F	1110-U109	1110-U106
C+F ** (2D)	1110-U107	1110-U104
D+F	1110-U108	1110-U105

180° hinge; frame part m.s. black powder
coated; hinge door part zinc die

Version	LH	RH
C+E ** (2D)	1110-U118	1110-U119
C+F ** (2D)	1110-U120	1110-U121

180° hinge AISI 316

C+F ** (2D)	1110-U120-PH	1110-U121-PH
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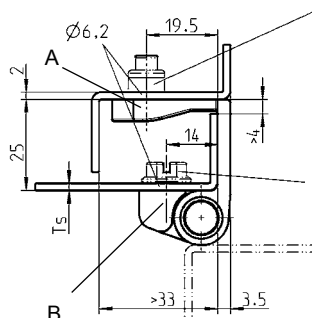
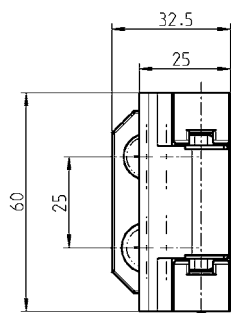
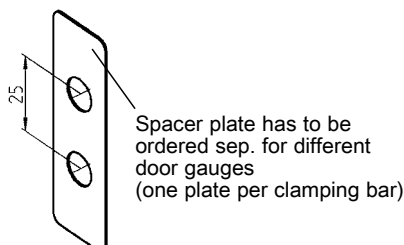
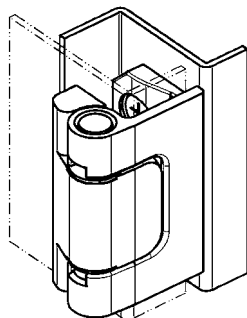
Support plate 304 (1x per pin fixing)

for Ts 1,0	1110-39-01
for Ts 1.5	1110-39

PROGRAM 1110

180° hinge for in-line cabinets with single door
lift-off upon 90° opening angle for 25 mm door return

Version for
 $T_s = 1.5 - 1.8$ and 2



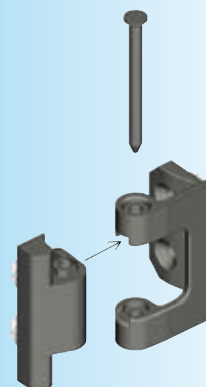
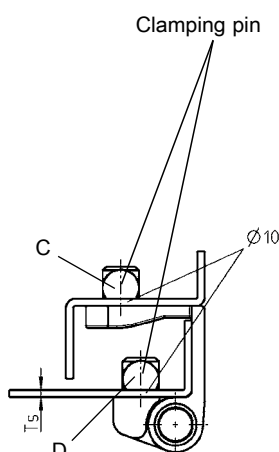
* Safety nut
M6



* Countersunk screw
small
head M6x...



*Vibration proof
screw
1000-277-02JB
(M6x6)



180° hinge zinc die black powder coated; fixing pin Polyamide GF black;
hinge pin and washer Polyamide GF black

Version	Ts = 2,0
A + B, screw (2D-nut possible)	1110-U122
C+D, clamp	1110-U126

180° hinge; frame part zinc die black powder coated; hinge part Polyamide 66 GF 50 black; Fixing pin Polyamide GF black; hinge pin and washer Polyamide GF black

Version	Ts = 1.5 - 1.8
A + D, bolted and clamped (2D-nut used)	1110-U133
Support plate 304 (1x per pin fixing)	
for Ts 1.0 (1110-U126); for Ts 0.8 (1110-U133)	1110-39-01
for Ts 1.5 (1110-U126); for Ts 1.0 - 1.3 (1110-U133)	1110-39

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®

info

ns

Controls

2 Roc

3 Locking systems

4 Hinges

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

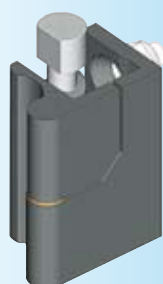
Further parts see page

– 2D-nut	12E-120
– Fixing material	12E-100

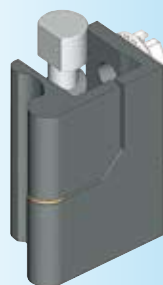
4A-215 09/10

180° hinge PROGRAM 1110

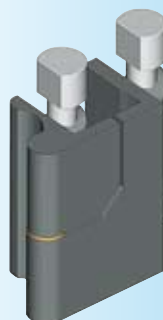
Beschlagteile



Version A



Version B



Version C

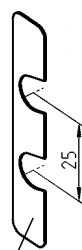
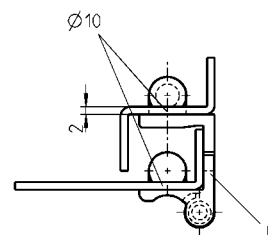
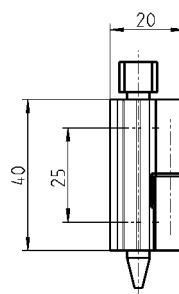
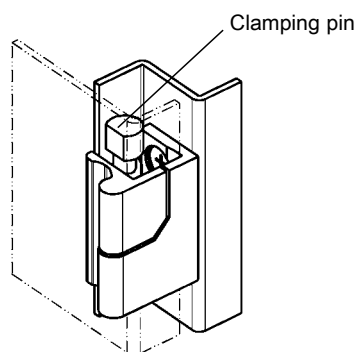
* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

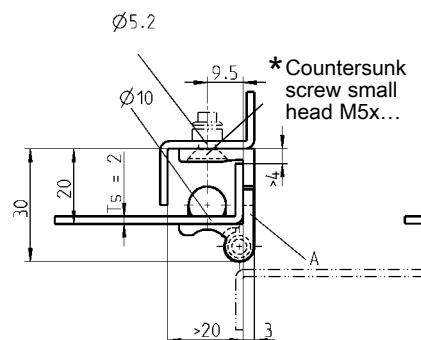
Further parts see page
– Fixing material 12E-100

180° hinge for in-line cabinets with adjacent door
lift-off upon 70° opening angle for 20 mm door return

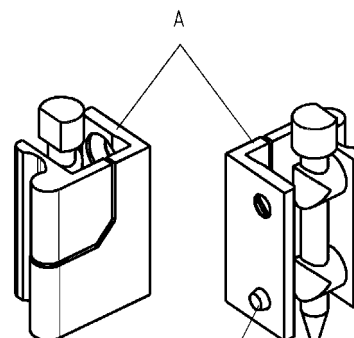
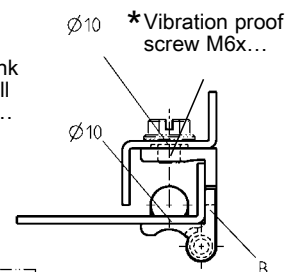
Version for
Ts = 2



Spacer plate has to be ordered
sep. for different door gauges
(one plate per clamping bar)



* Countersunk
screw small
head M5x...



Only for version A

Available on request chrome plated
and with further RAL-colours

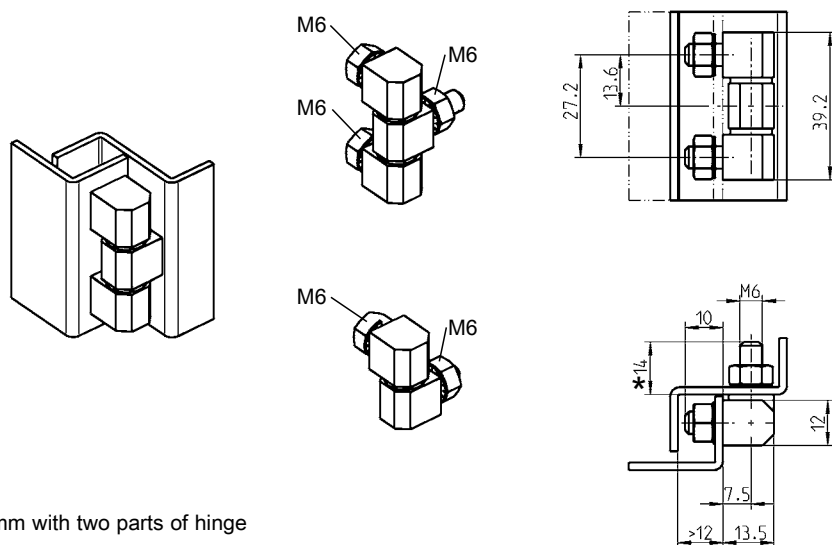
180° hinge zinc die black powder coated; Fixing pin Polyamide GF black;
hinge pin stainless steel and washer brass

Version A	RH	1110-U78
	LH	1110-U81
Version B	RH	1110-U79
	LH	1110-U82
Version C	RH	1110-U80
	LH	1110-U83
Support plate 304 (1x per pin fixing)		
for Ts 1,0		1110-39-03
for Ts 1,5		1110-39-02

180° screw-on hinge

PROGRAM 1055, 1039

180° screw-on hinge

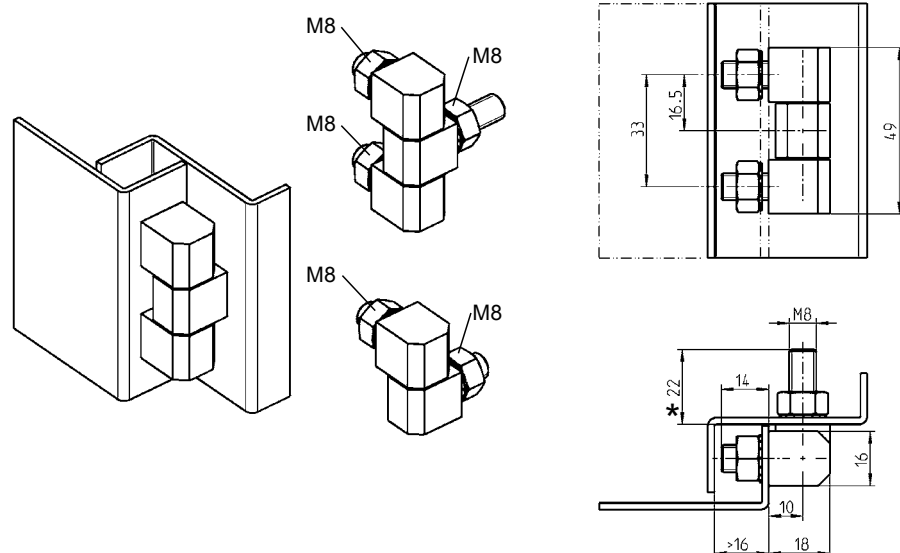


* = 10 mm with two parts of hinge

180° screw-on hinge m.s. zinc plated; pin and washers brass nickel plated respectively completely stainless steel

– three-piece	m.s.	1055-U2
	AISI 303	1055-U6
	AISI 316	1055-U8
– two-piece	m.s.	1055-U5

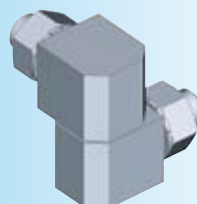
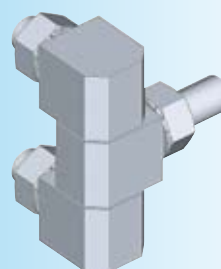
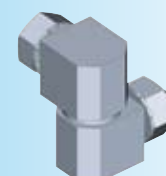
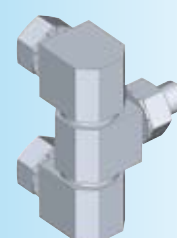
180° screw-on hinge



* = 14 mm with two parts of hinge

180° screw-on hinge m.s. zinc plated; pin and washers brass nickel plated respectively completely stainless steel

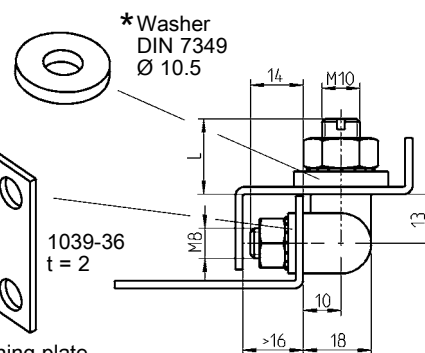
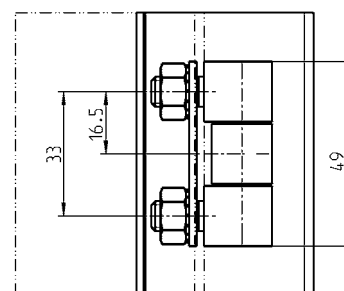
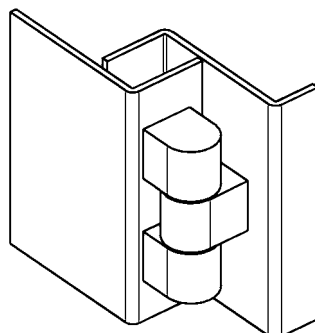
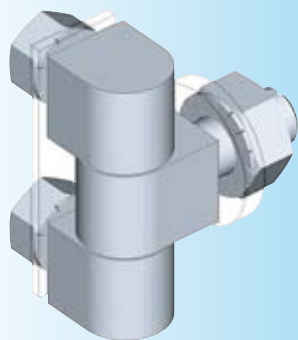
– three-piece	m.s.	1039-U12
	AISI 303	1039-U19
	AISI 316	1039-U26
– two-piece	m.s.	1039-U17



Hinge

PROGRAM 1039, 1035

180° screw-on hinge
for pressure resistant doors



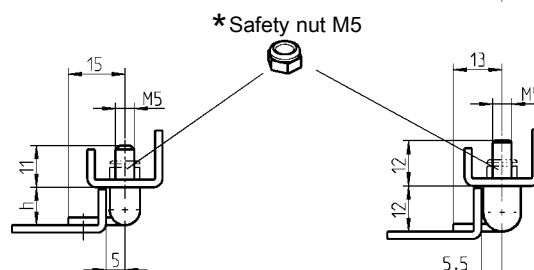
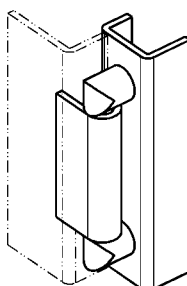
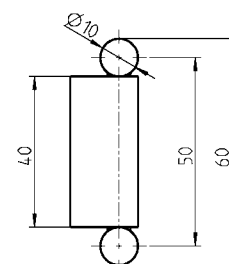
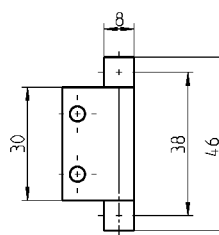
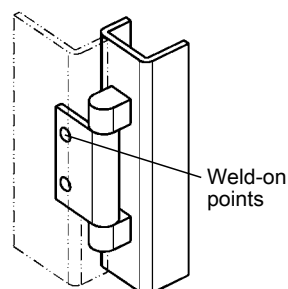
180° screw-on hinge tempered, zinc plated; pin and washers brass nickel plated

Stud	L = 20 mm	1039-U6
	55 mm	1039-U7
	65 mm	1039-U8

Stiffening plate m.s. zinc pl.

1039-36

180° hinge



180° hinge m.s. zinc plated;
hinge door part m.s. raw

h = 10	1035-U1
12	1035-U3

180° hinge m.s. zinc plated;
door part m.s. raw

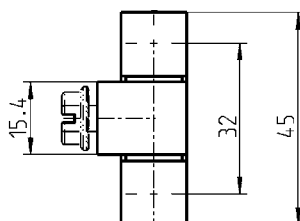
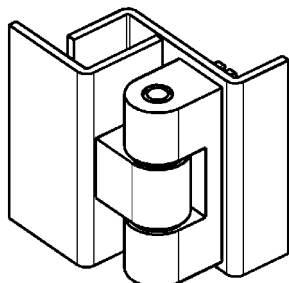
	1035-U2
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* not included

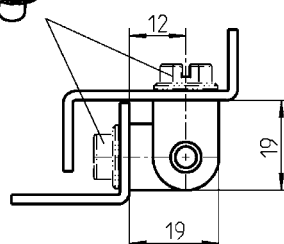
Hinge

PROGRAM 1054, 1105

180° screw-on hinge



* Locking screw
1000-277-03JB (M6x8)



180° screw-on hinge zinc die; pin stainless steel and bushes polyamide

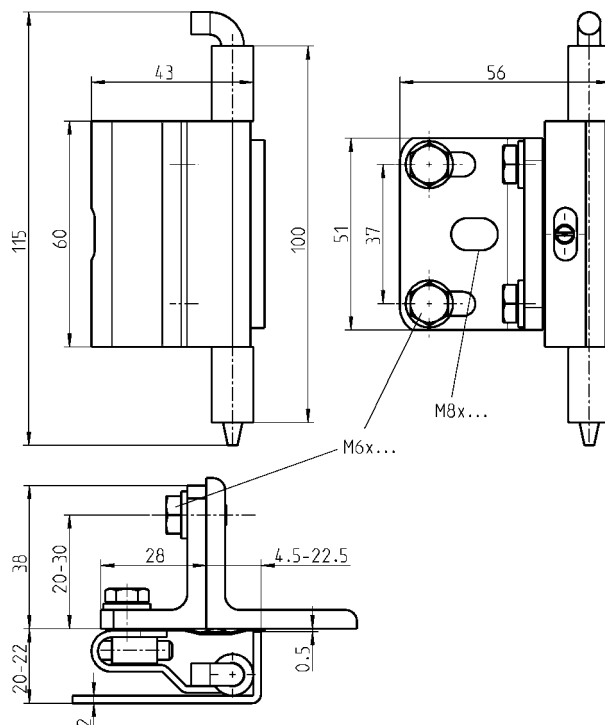
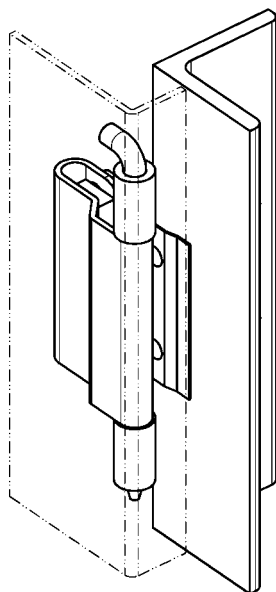
chrome plated

1054-U1

black powder coated

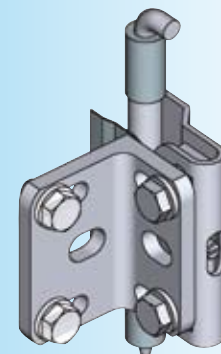
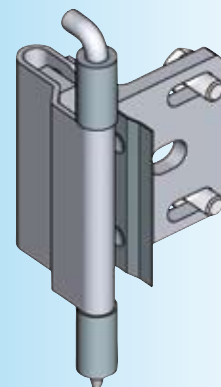
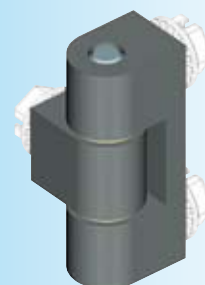
1054-U30

130° spring loaded hinge



130° spring loaded hinge m.s. zinc; coated; door part m.s. raw, spring stainless steel bright

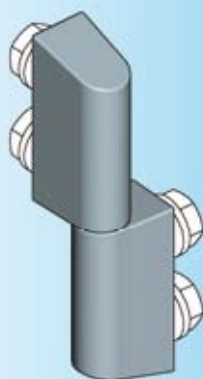
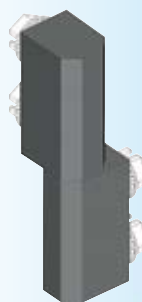
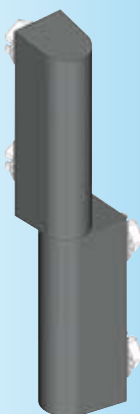
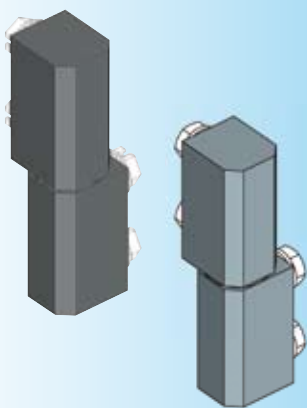
1105-U1



* not included

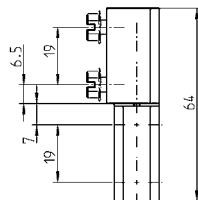
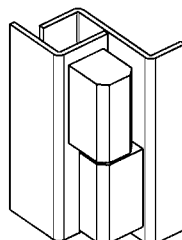
Screw-on hinge PROGRAM 1056, 1079

Beschlagteile

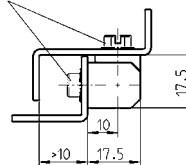


* not included

180° screw-on hinge



* Vibration-proof screw 1000-277-09JB

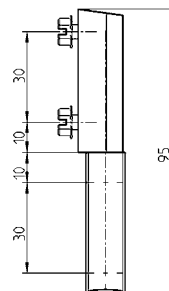
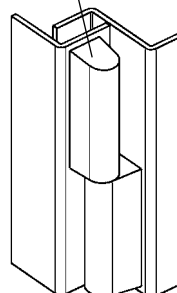


180° screw-on hinge zinc die black powder coated or AISI 316

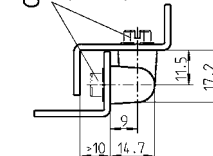
Zinc die	1056-U34
AISI 316	1056-U34-PH

180° plastic screw-on hinge

Chamfered ends preventing the accumulation of dirt



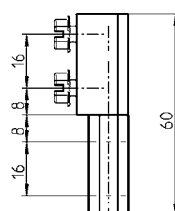
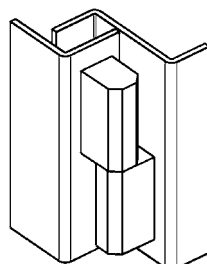
* Vibration proof screw 1000-277-09JB (M5x6)



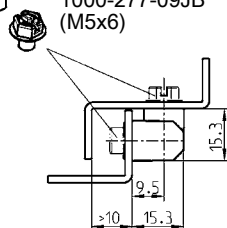
Plastic screw-on hinge polyamide GF black; pin stainless steel and insert m.s. raw

1079-U2

180° plastic screw-on hinge



* Vibration proof screw 1000-277-09JB (M5x6)



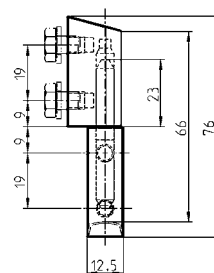
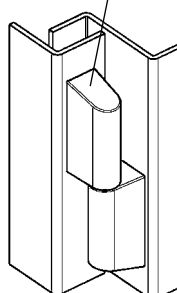
Plastic screw-on hinge polyamide GF black; pin stainless steel and insert m.s. raw

1079-U4

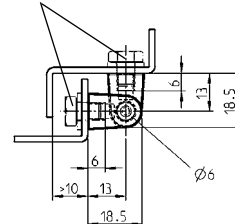
180° Stainless steel screw-on hinge



Chamfered ends preventing the accumulation of dirt



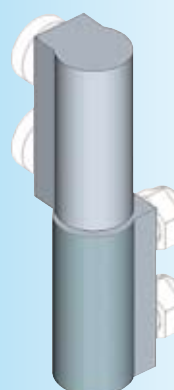
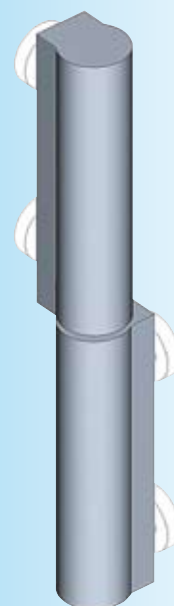
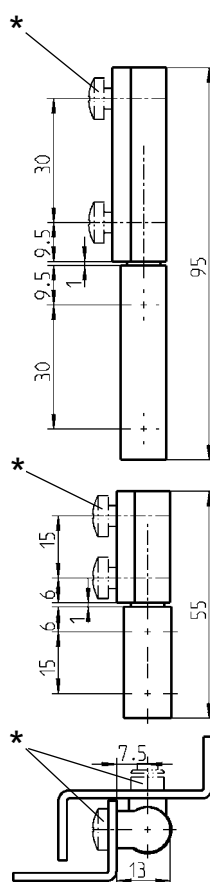
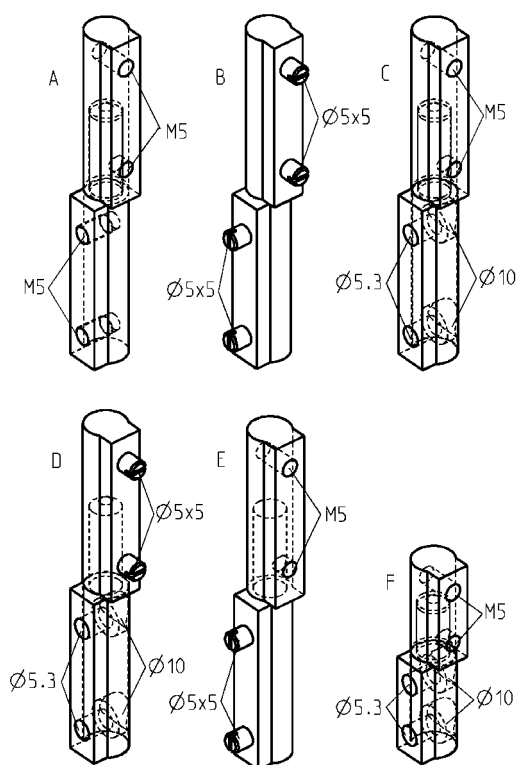
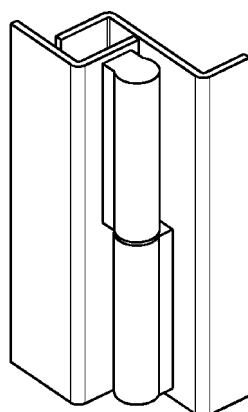
* M6x8 with washer



Stainless steel screw-on hinge AISI 316

1079-U5-PH

Profile hinge PROGRAM 1036



Profile hinge m.s. zinc pl.; with
weld-on stud m.s. raw; cover
stainless steel

A	1036-U2
B	1036-U3
C **	1036-U4
D **	1036-U5
E	1036-U6
F **	1036-U7

** = with escutcheon bush

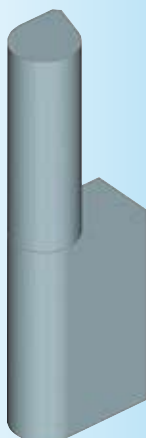
* not included

Hinge PROGRAM 1033, 1036

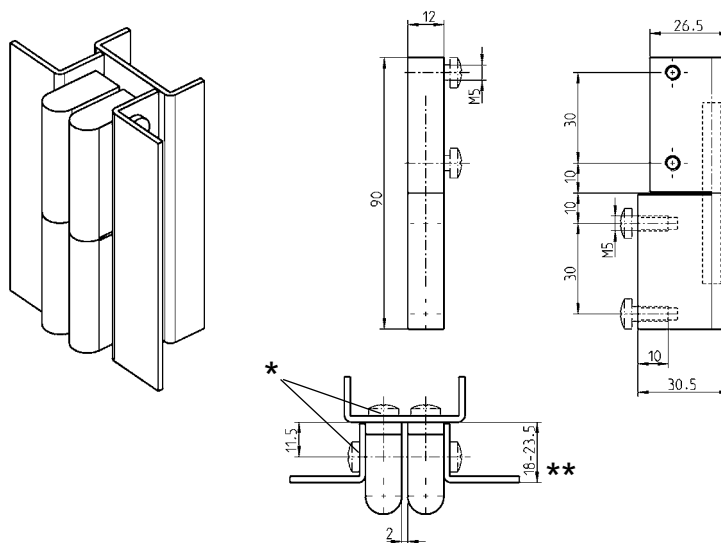
Beschlagteile



* not included



Screw-on hinge

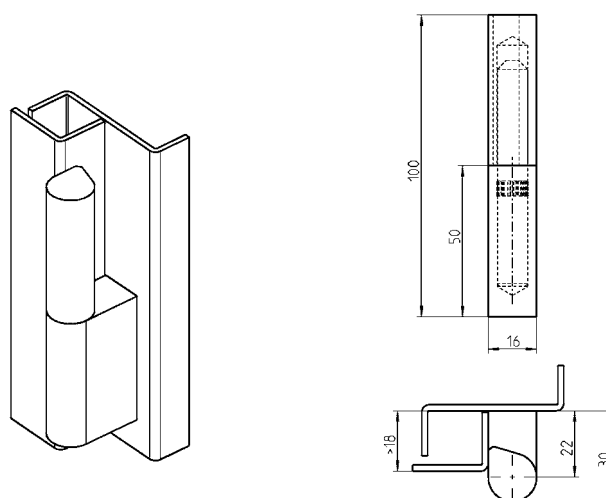


* *If 18 mm, the opening angle of 180° for in-line cabinets with double doors is possible

Screw-on hinge zinc die; pin stainless st.

chrome plated	1036-U9
black powder coated	1036-U10

180° hinge for in-line cabinets with single door



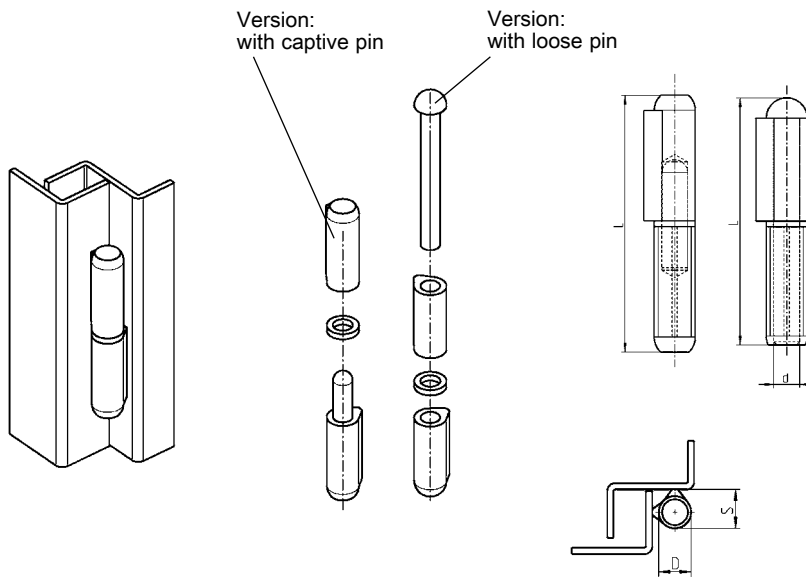
180° weld-on hinge m.s. raw

1033-U44

Hinge

PROGRAM 1033

Weld-on hinge



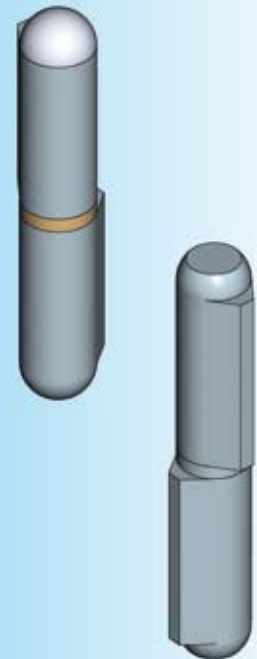
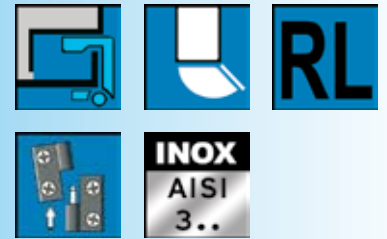
Version, with captive hinge pin;
material as requested

L	D	d	S	m.s. raw m.s. pin	m.s. raw brass pin	AISI 304 AISI 304 pin
40	8	5	9,5	1033-U1*	1033-U14*	-
50	8	5	9,5	1033-U2*	1033-U15*	-
60	10	6	12,0	1033-U3*	1033-U16*	1033-U70
70	10	7	12,0	1033-U4*	1033-U17*	-
80	13	8	15,5	1033-U5*	1033-U18*	1033-U71
100	16	10	20,0	1033-U7*	1033-U20*	1033-U72
120	16	11	20,0	1033-U8*	1033-U21*	1033-U73
135	18	12	22,0	1033-U9	1033-U22	-
150	20	13	25,0	1033-U11	1033-U24	1033-U74
180	20	14	25,0	1033-U13*	1033-U26*	1033-U75
200	23	16	28,5	1033-U60	1033-U61	-

* = to be in stock

Version, with loose hinge pin;
material as requested

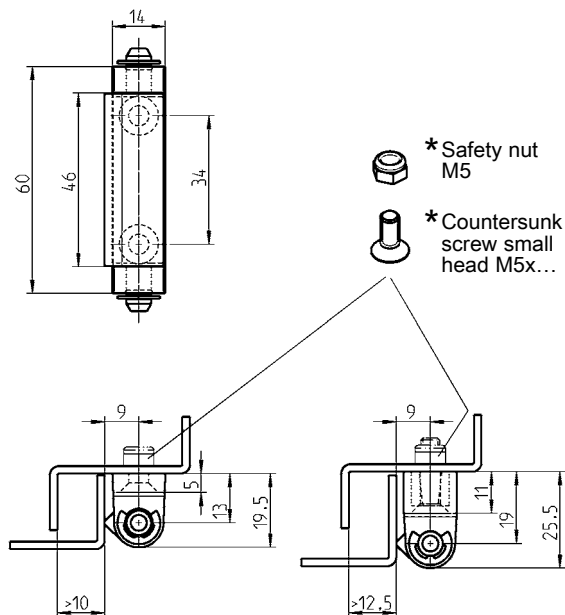
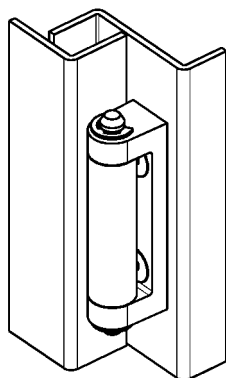
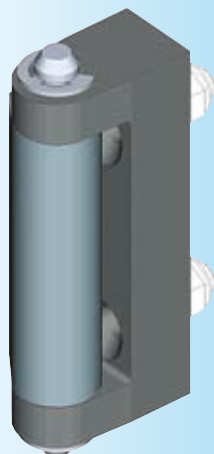
L	D	d	S	m.s. raw m.s. pin	m.s. raw brass pin	AISI 304 AISI 304 pin
40	8	5	9,5	1033-U27	1033-U35	-
50	8	5	9,5	1033-U55	1033-U56	-
60	10	6	12,0	1033-U28	1033-U36	-
70	10	7	12,0	1033-U57	1033-U58	-
80	13	8	15,5	1033-U29	1033-U37	-
100	16	10	20,0	1033-U30	1033-U38	-
120	16	11	20,0	1033-U31	1033-U39	-
135	18	12	22,0	1033-U32	1033-U40	-
150	20	13	25,0	1033-U33	1033-U41	-
180	20	14	25,0	1033-U34	1033-U42	-
200	23	16	28,5	1033-U63	1033-U64	-



Note:
L dimensions are nominal;
weld-on hinges
can be smaller

For the version with captive pin,
the upper part can be ordered,
on request, with lubricating nip-
ple starting with L-dimension of
80 mm.

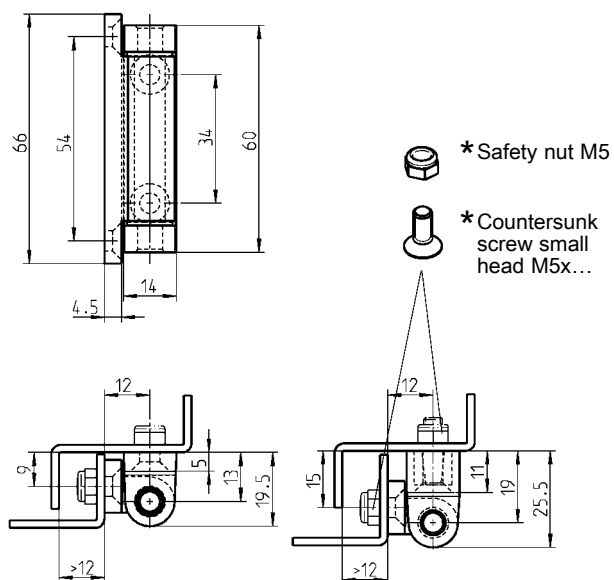
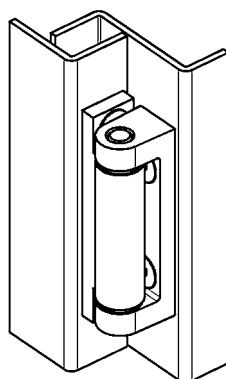
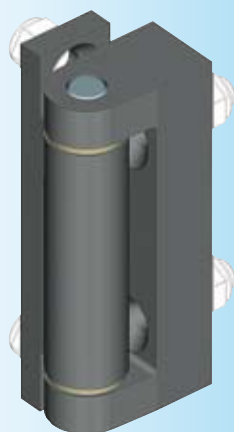
On request, weld-on
aluminium hinges!



Hinge zinc die; middle part m.s. raw; pin and plate m.s. zinc plated

	Dimension 19.5	Dimension 25.5
chrome plated	1054-U2	1054-U14
black powder coated	1054-U8	1054-U15
raw	1054-U26 **	1054-U25 **

**=Minimum order quantity: 1000 pieces



Hinge zinc die; pin stainless steel and bushes polyamide

	Dimension 19.5	Dimension 25.5
chrome plated	1054-U3	1054-U16
black powder coated	1054-U9	1054-U17
raw	1054-U23 **	1054-U24 **

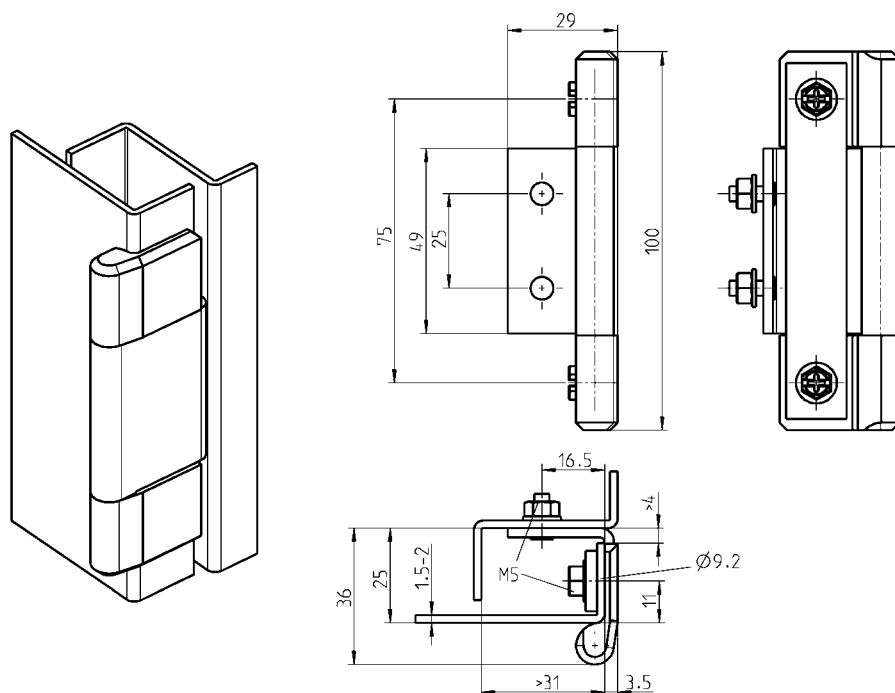
** = Minimum order quantity: 1000 pieces

* not included

small head = DIN ISO 2009,
2010, 7046-1, 7046-2, 7047

180° hinge PROGRAM 1110

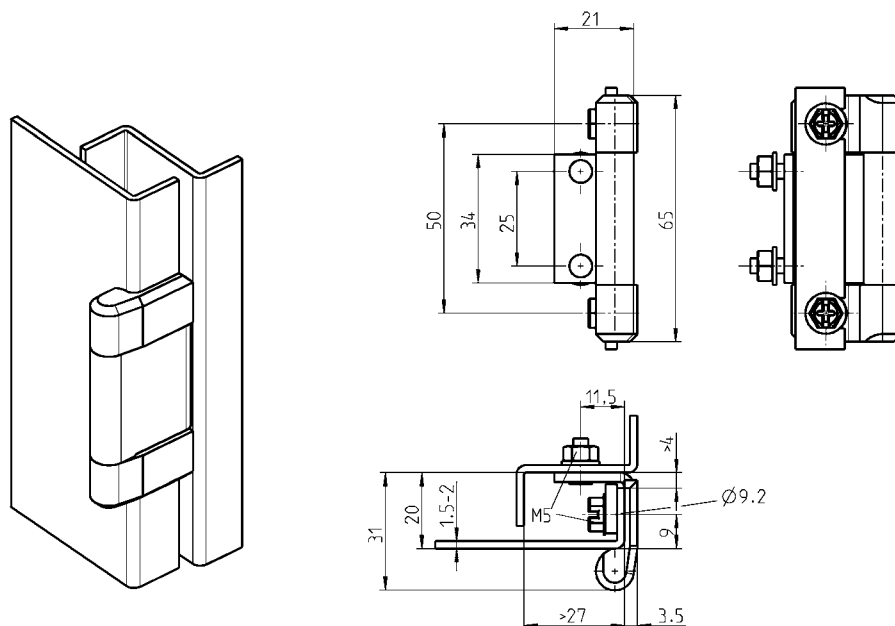
180° hinge for in-line cabinets with adjacent door
for 25 mm door return



180° hinge part m.s. black; door part zinc die black powder coated;
fixing material m.s. zinc plated

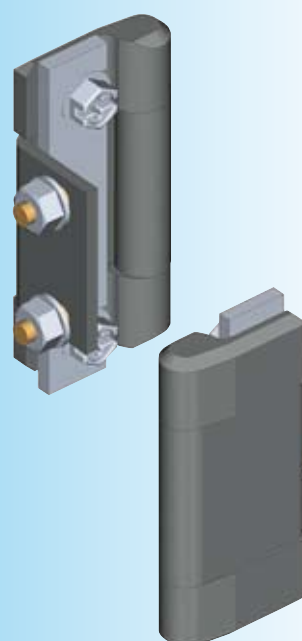
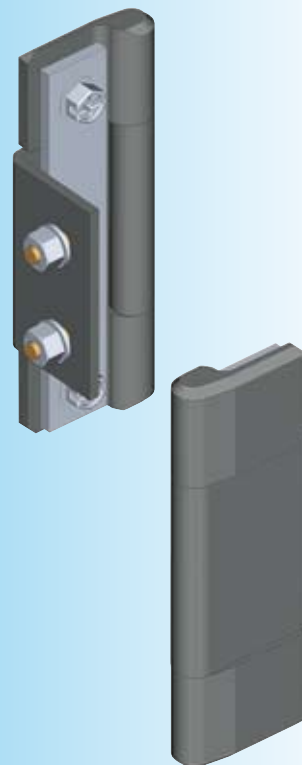
1110-U26

180° hinge for in-line cabinets with adjacent door
for 20 mm door return



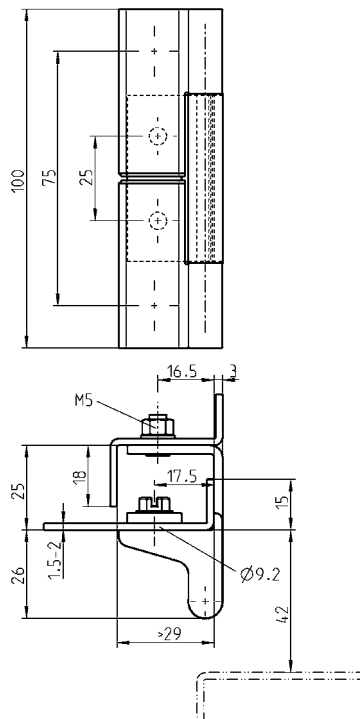
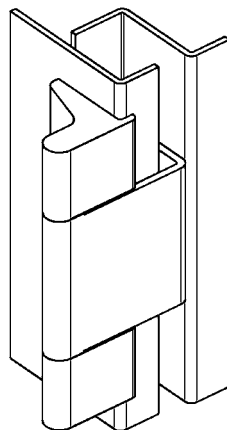
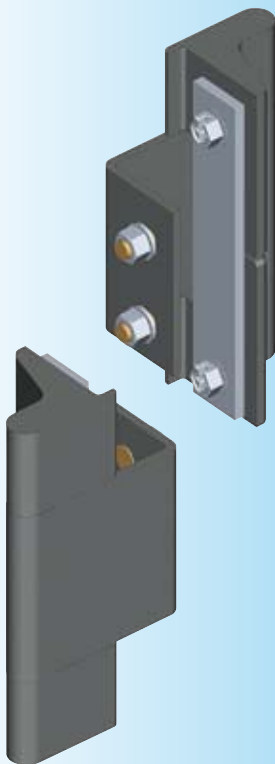
180° hinge part m.s. black; door part zinc die black powder coated;
fixing material m.s. zinc plated

1110-U114



180° hinge PROGRAM 1110

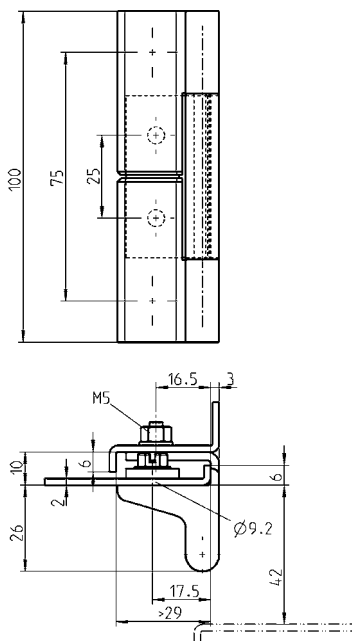
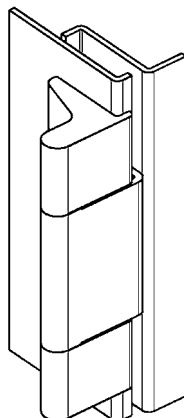
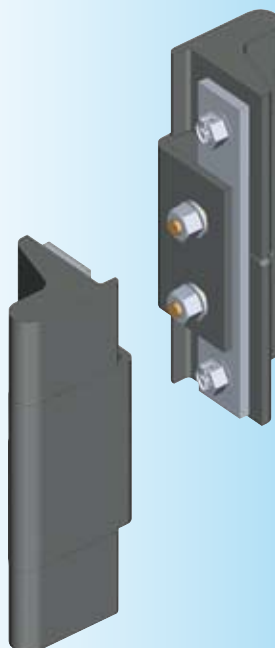
180° hinge for in-line cabinets with adjacent door
for 25 mm door return



180° hinge part m.s. black; door part zinc die black powder coated;
fixing material m.s. zinc plated

1110-U112

180° hinge for in-line cabinets with adjacent door
for 10 mm door return



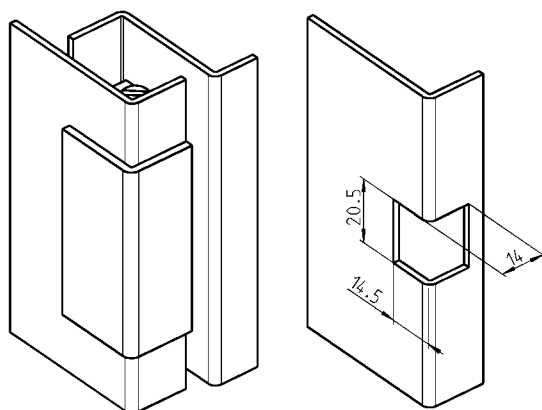
180° hinge part m.s. black; door part zinc die black powder coated;
fixing material m.s. zinc plated

1110-U113

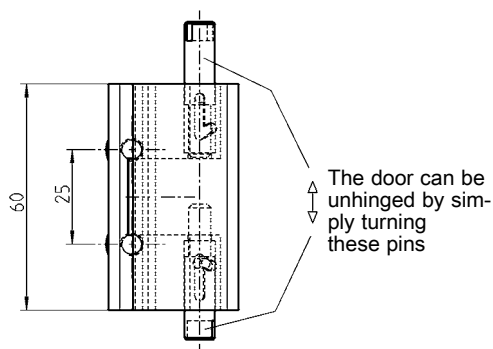
120° hinge with quick fastening

PROGRAM 1110

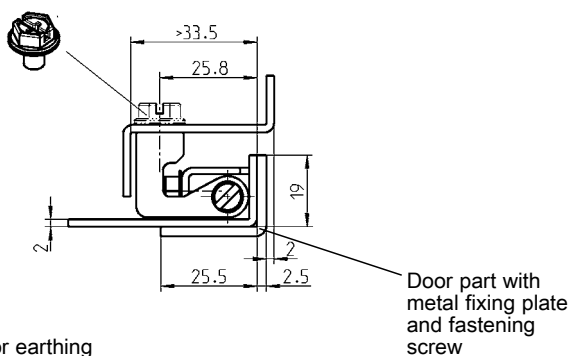
120° hinge
for 25 mm door return
easy door mounting



Cut out



*Vibration proof screw
1000-277-03JB
M6x8



Fixing plate with spikes for earthing

120° hinge zinc die black powder coated;
fixing material m.s. zinc plated

1110-U111



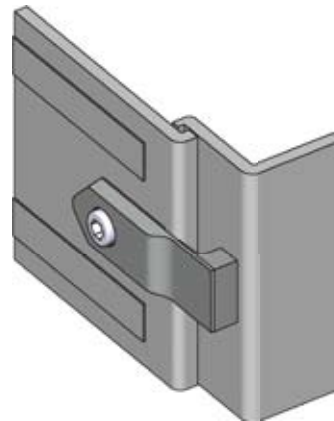
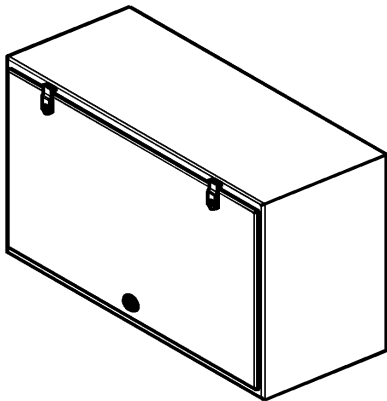
* not included

Notes:

135° integral hinge for light doors and covers

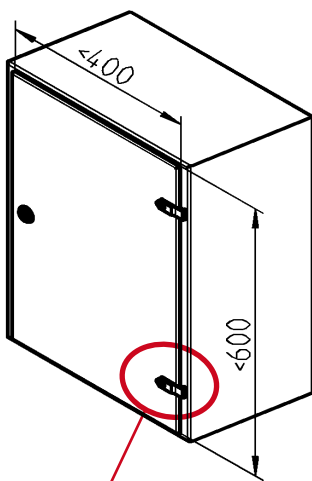
PROGRAM 1126

Installation situation flap

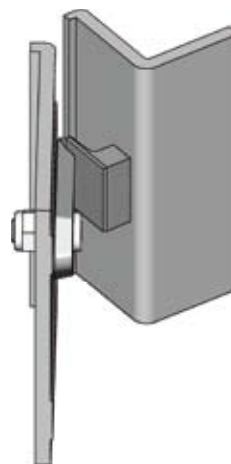


Detail A
Door closed

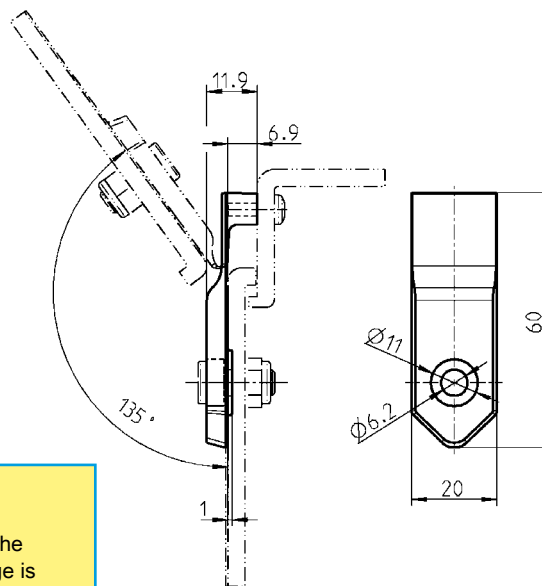
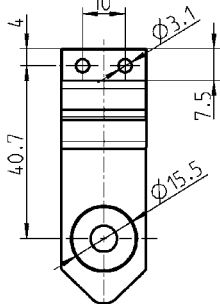
Installation situation door



Detail A

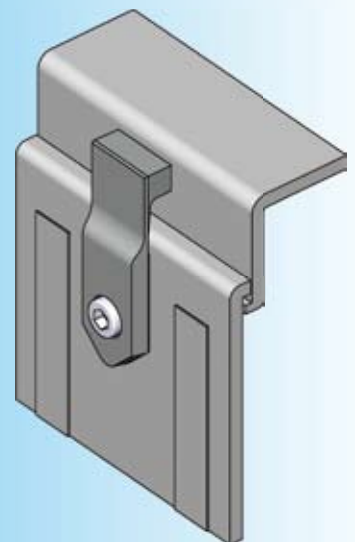
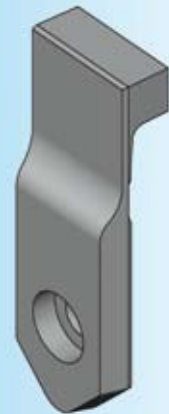


Detail A
Door opened



PRODUCT BENEFITS

- special plastic guarantees that the bending axis of the integral hinge is permanently protected against brittleness or failure
- easy mounting
- favourably priced



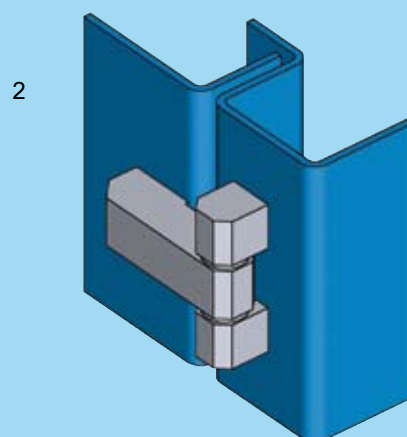
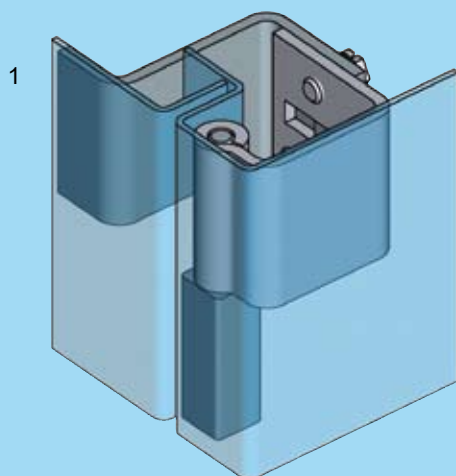
Application:

This integral hinge is suitable for light doors and covers, e. g. of plastic, with low opening frequency.

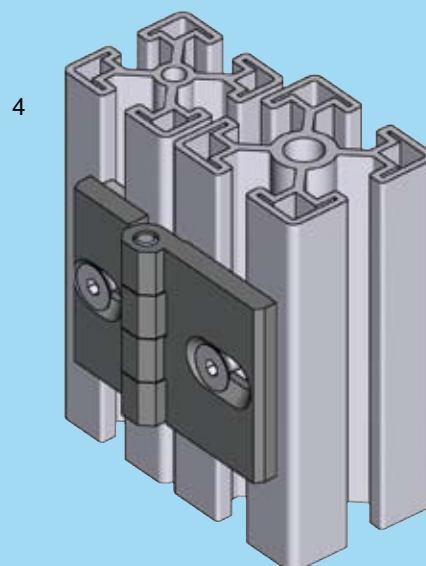
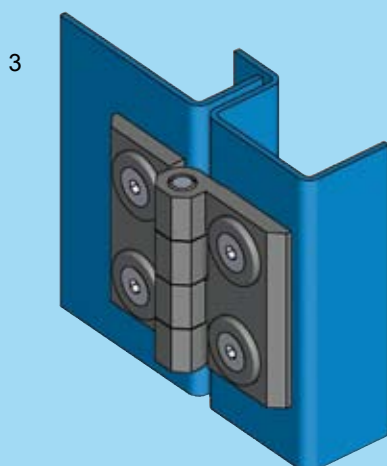
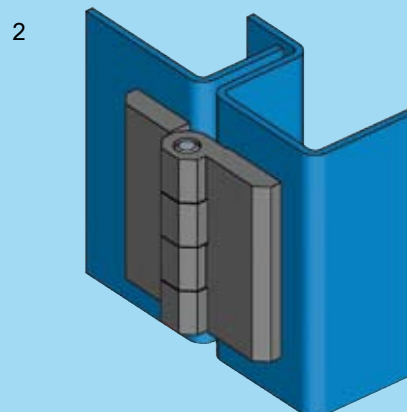
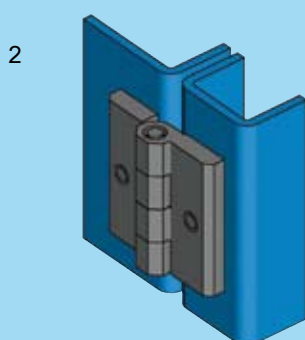
Technical data:

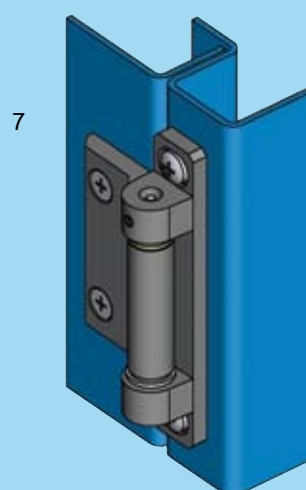
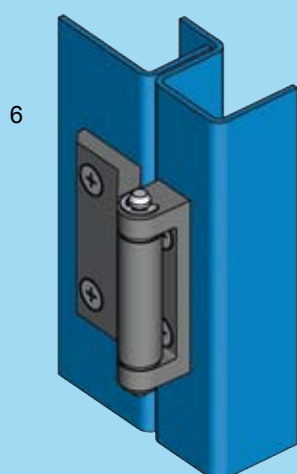
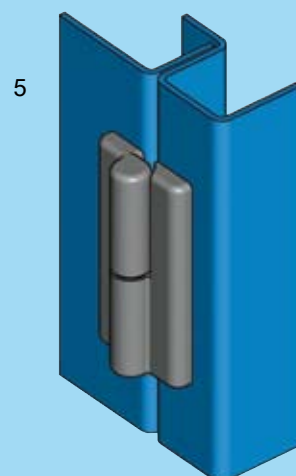
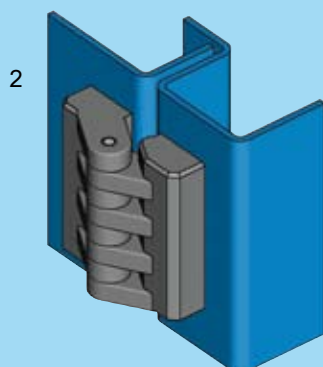
2,000 cycles
at 135° On-Off
in case of a load of approx. 2.5 kg
door weight / hinge
(recommended load per hinge)

Hinge for flush door



Door and housing/frame pictured transparent





- 1 90° and 180° concealed hinge
- 2 180° and 270° prominent hinge
- 3 180° 2D prominent hinge
- 4 180° prominent hinge for aluminium profiles
- 5 180° prominent hinge and lift-off version
- 6 180° prominent hinge
- 7 180° 2D and 3D prominent hinge

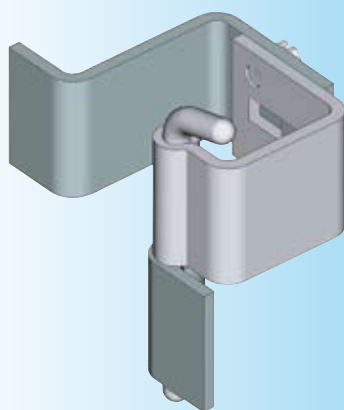
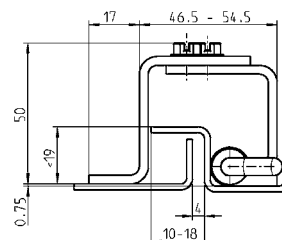
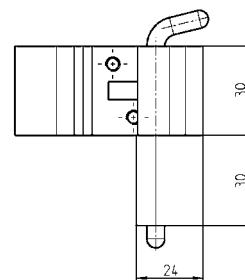
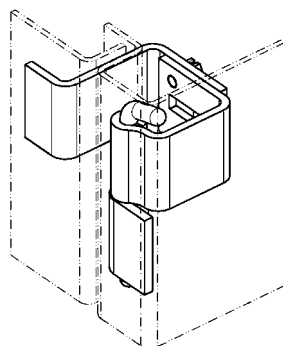
- 4B-120 up to 4B-140
- 4B-160 up to 4B-220, 4B-245
- 4B-215
- 4B-230
- 4B-240
- 4B-280 up to 4B-300
- 4B-248 to 4B-260



4B-100

90° concealed hinge PROGRAM 1006, 1007

Beschlagteile

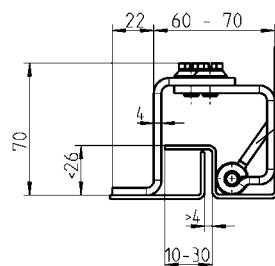
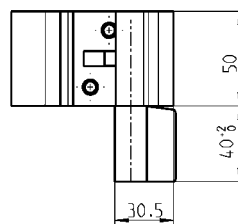
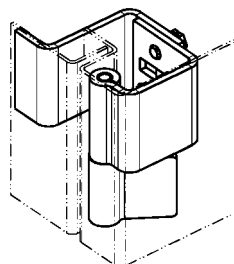


Concealed hinge

m.s. zinc pl., weld-on part m. s. raw
AISI 304 and AISI 316

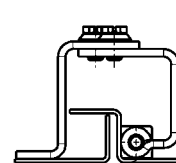
1006-U1

1006-U1-PC



Hinge pin with flag

Hinge pin with square



Concealed hinge m.s. zinc pl., weld-on parts m.s. raw

Hinge pin with flag

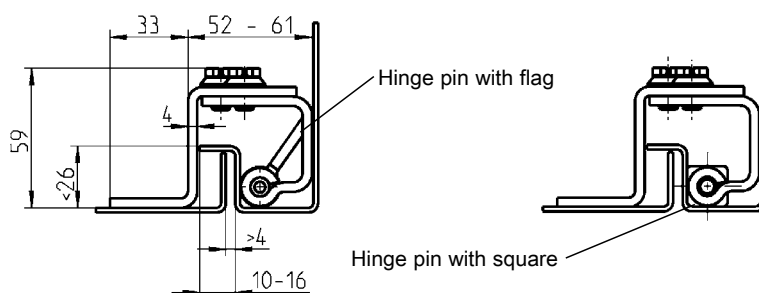
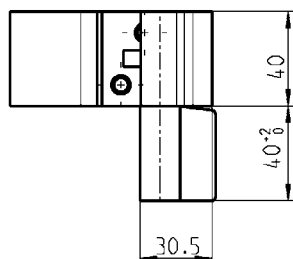
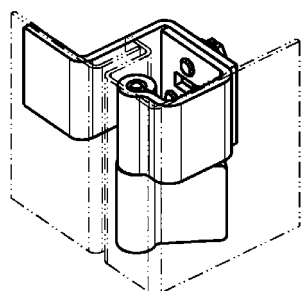
1007-U2

Hinge pin with square (17x50)

1007-U1

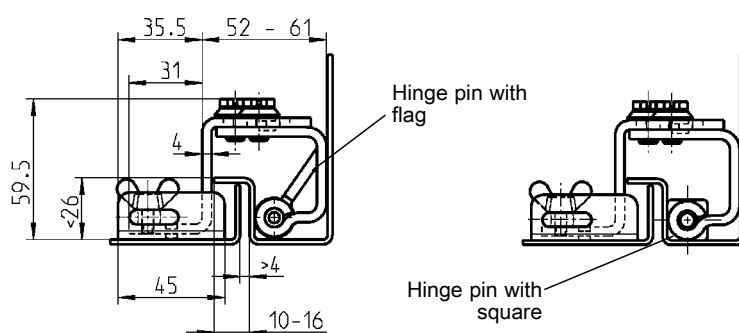
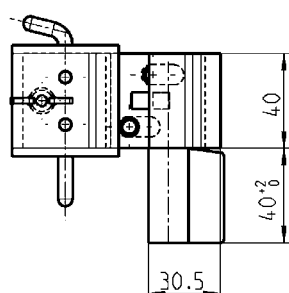
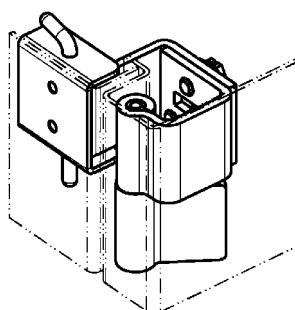
90° concealed hinge

PROGRAM 1046



Concealed hinge m.s. zinc pl., weld-on parts m.s. raw or AISI 304 and AISI 303

	m.s.	AISI 304
Hinge pin with flag	1046-U1	1046-U5
Hinge pin with square (17x50)	1046-U3	—

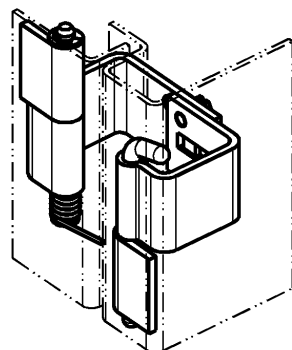
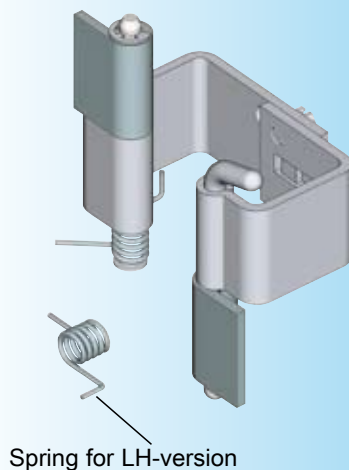


Concealed hinge m.s. zinc pl., weld-on parts m.s. raw

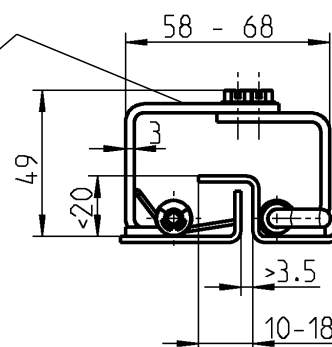
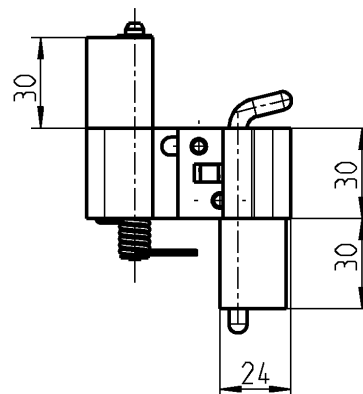
Hinge pin with flag	1046-U2
Hinge pin with square (17x50)	1046-U4

180° concealed hinge PROGRAM 1042, 1043

Beschlagteile

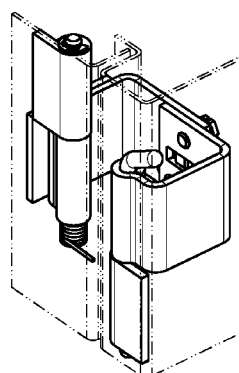
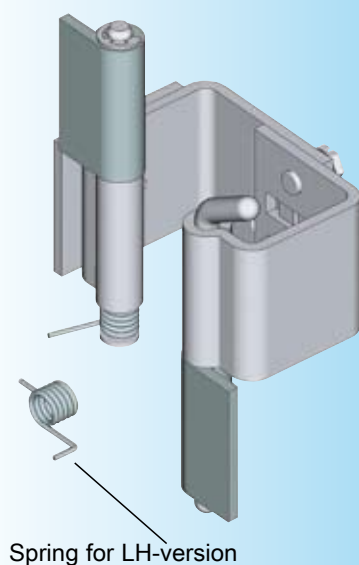


Hinges must be linked

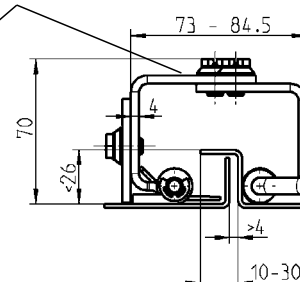
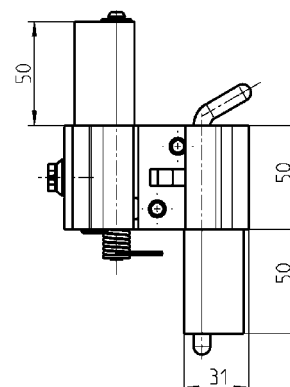


180° concealed hinge m.s. zinc pl., spring material spring steel, weld-on parts m.s.

1042-U1



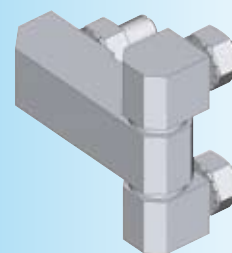
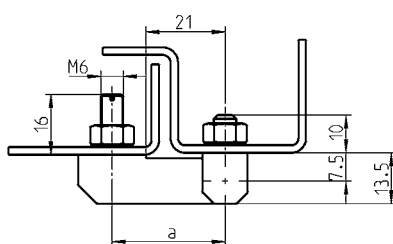
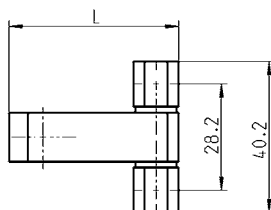
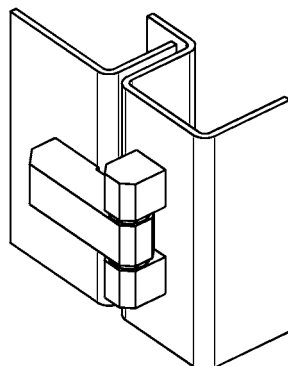
Hinges must be linked



180° concealed hinge m.s. zinc pl., spring material spring steel, weld-on parts m.s.

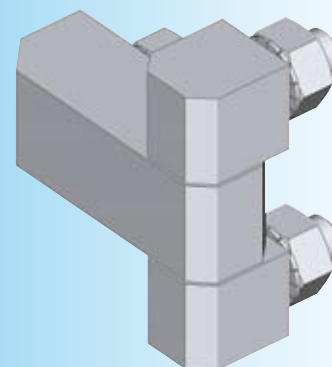
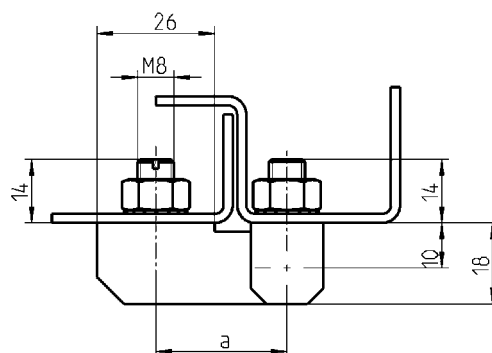
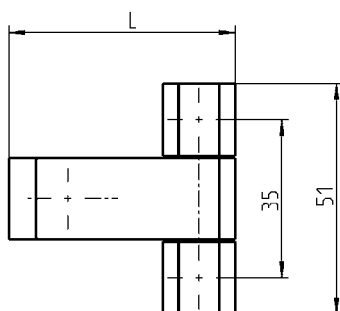
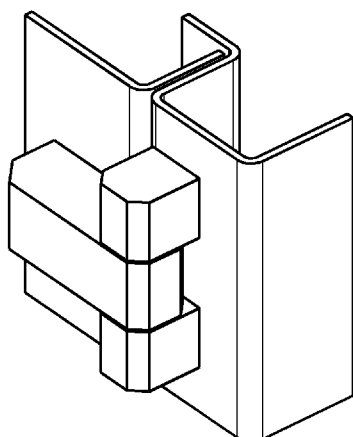
1043-U1

180° screw-on hinge PROGRAM 1039, 1055



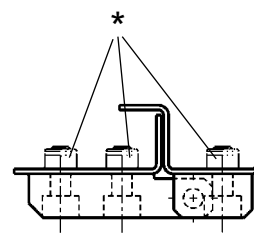
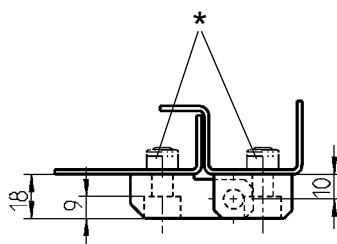
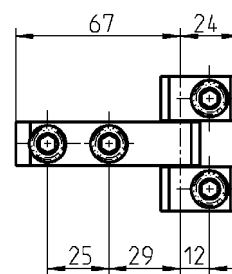
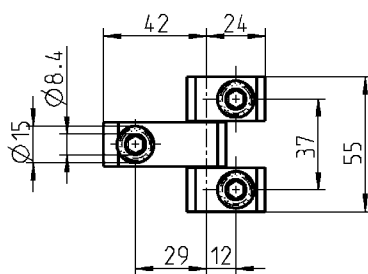
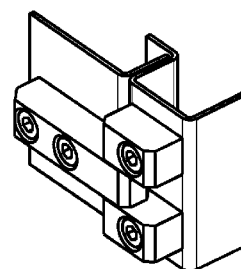
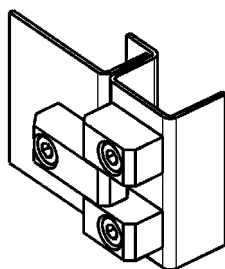
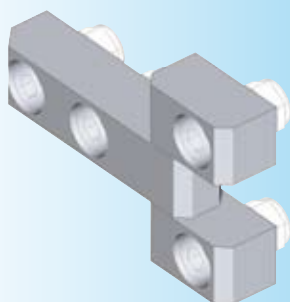
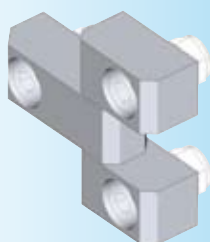
Screw-on hinge m.s. zinc pl., pin and washer brass nickel pl. or stainl. steel

L	A	m.s.	AISI 303	AISI 316
45	30	1055-U3	1055-U7	1055-U9
53	38	1055-U4	—	—



Screw-on hinge m.s. zinc pl., pin and washer brass nickel pl. or stainl. steel

L	A	m.s.	AISI 303	AISI 316
50	29	1039-U10	1039-U18	1039-U25
61	40	1039-U11	—	—



* not included

Screw-on hinge m.s. zinc pl., pin and washer brass nickel pl.

short middle part with one hole Ø 8,4 mm

1039-U13

short middle part without holes, weld-on part

1039-U14

long middle part with two holes Ø 8,4 mm

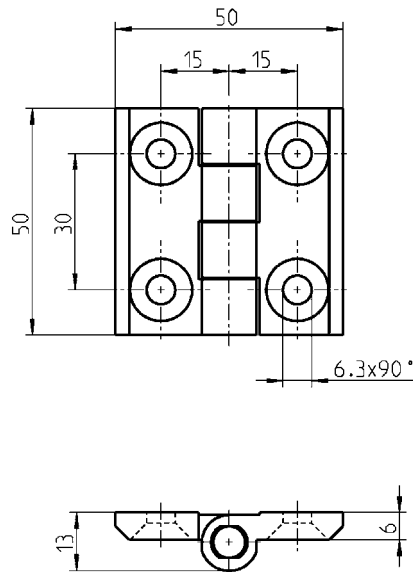
1039-U15

180° screw-on torque hinge

PROGRAM 1056

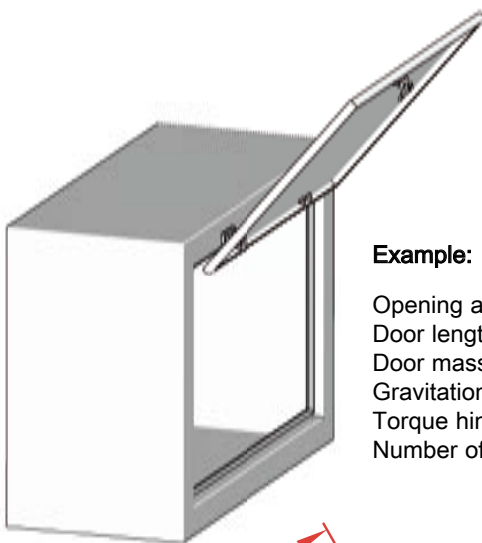
Product benefits

- holds any position continuously at adequate load
- constant torque across 180° adjustment range
- same torque while opening and closing
- compatible with all hinges of the 1056 program with identical cut out
- can replace door stops, cover stays or gas springs depending on installation location



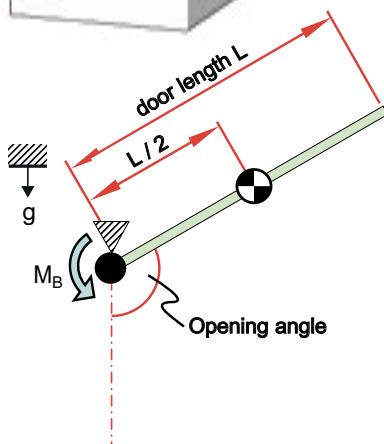
Dimensioning / Calculation:

The number of hinges in case of covers depends on the size and the weight of the cover. We are pleased to help you with the dimensioning of the hinges on request.



Example:

Opening angle: α = 120°
 Door length: L = 0,4 m
 Door mass: m = 2 kg
 Gravitational pull: g = 9,81 m/s²
 Torque hinge: M = 2 Nm
 Number of hinges: n = ?

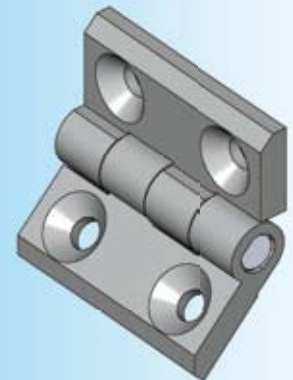
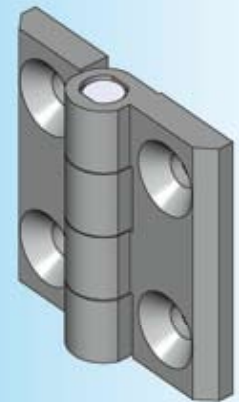


Formula:

$$\text{Total } M = \left(\frac{L \times m \times g \times \sin \alpha}{2} \right)$$

Result:

3.4 Nm = 2 hinges



Torque hinge

The hinge can be set continuously in any position. There it remains in the same position. The torque is the same during opening and closing.

Application:

This torque hinge is suitable for doors and covers.

Technical data:

10,000 cycles
 at 180° open - close

Also available on request with 1.0 Nm

180° screw-on torque hinge zinc-die black powder-coated;
 two torque Units m.s. nickel-plated

Nm	Tolerance± %	
2.0	25	1056-U110

Further parts see page
 – 2D-nut

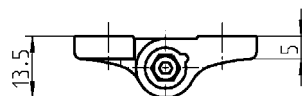
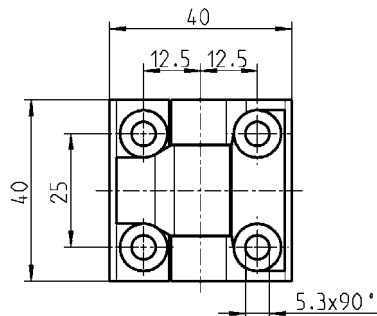
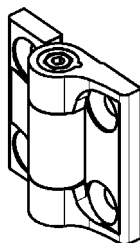
12E-120

180° screw-on torque hinge with adjustment function

PROGRAM 1056

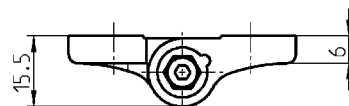
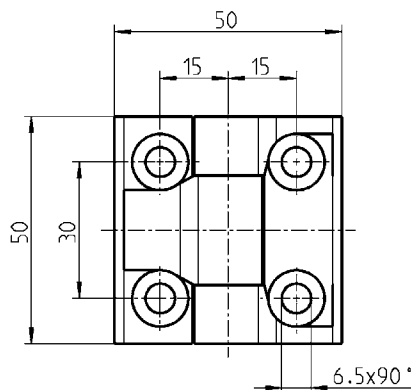
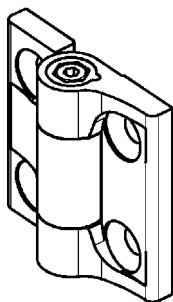
Product benefits

- adjustable torque
- holds any position continuously at adequate load
- constant torque across 180° adjustment range
- same torque while opening and closing
- compatible with all hinges of the 1056 program with identical cut out
- can replace door stops, cover stays or gas springs depending on installation location



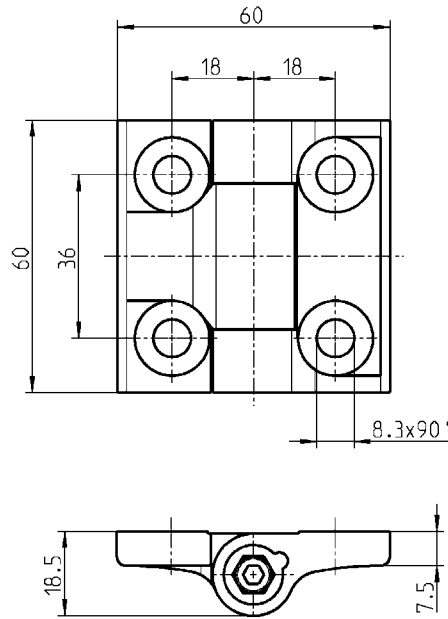
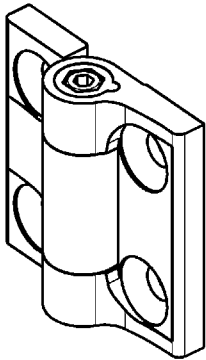
180° screw-on torque hinge zinc-die black powder-coated for countersunk screw M5; friction cone polyacetal POM; screw and nut m.s. zinc-plated

Nm	max. tightening torque of screw in Nm	
to ~ 2	0,5	1056-U6-01



180° screw-on torque hinge zinc-die black powder-coated for countersunk screw M6 (2D nut can be used); friction cone polyacetal POM; screw and nut m.s. zinc-plated

Nm	max. tightening torque of screw in Nm	
to ~ 4	0,75	1056-U10-01



180° screw-on torque hinge zinc-die black powder-coated for countersunk screw M8; friction cone polyacetal POM; screw and nut m.s. zinc-plated

Nm	max. tightening torque of screw in Nm	
to ~ 6,5	1,5	1056-U14-01

Dimensioning / Calculation:

The number of hinges in case of covers depends on the size and the weight of the cover. We are pleased to help you with the dimensioning of the hinges on request.

Example:

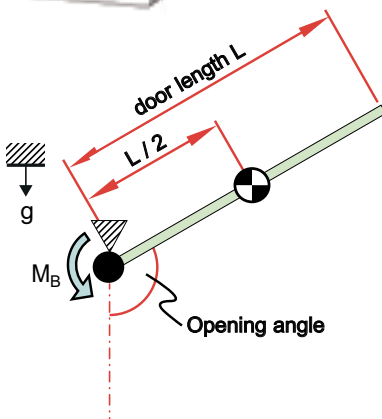
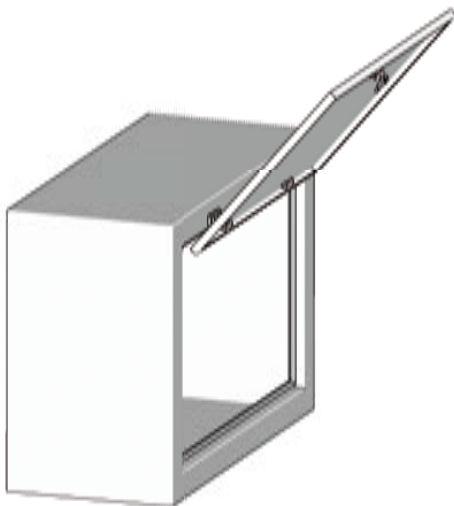
Opening angle: $\alpha = 120^\circ$
 Door length: $L = 0,8 \text{ m}$
 Door mass: $m = 3,5 \text{ kg}$
 Gravitational pull: $g = 9,81 \text{ m/s}^2$
 Torque hinge: $M = 6,5 \text{ Nm}$
 Number of hinges: $n = ?$

Formula:

$$\text{Total } M = \left(\frac{L \times m \times g \times \sin \alpha}{2} \right)$$

Result:

11.9 Nm = 2 hinges of item no. 1056-U14-01



Torque hinge

The hinge can be set continuously in any position. There it remains in the same position. The torque is the same during opening and closing.

Application:

This torque hinge is suitable for doors and covers.

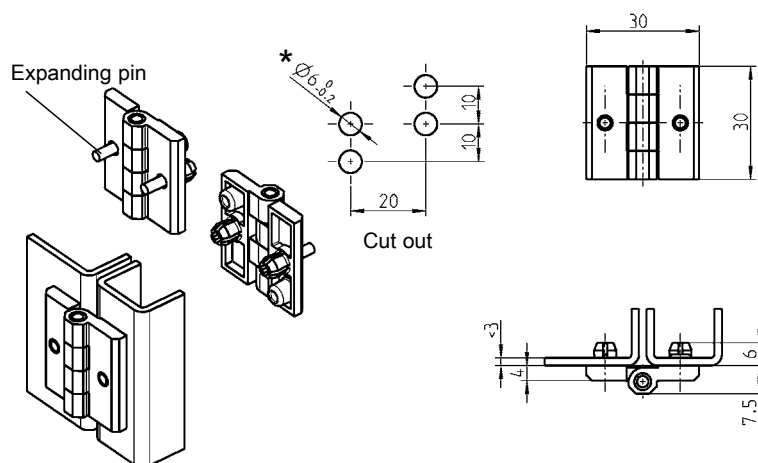
Further parts see page

– 2D-nut 12E-120
 (only for 1056-U10-01)

Notes:

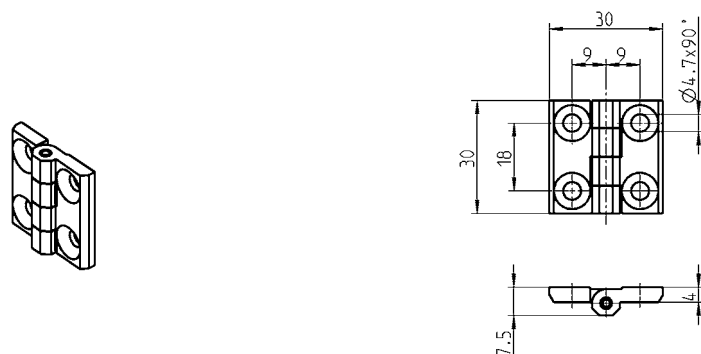
180° screw-on hinge

PROGRAM 1056



Hinge, hinge pin and expanding pins polyamide black

1056-U32



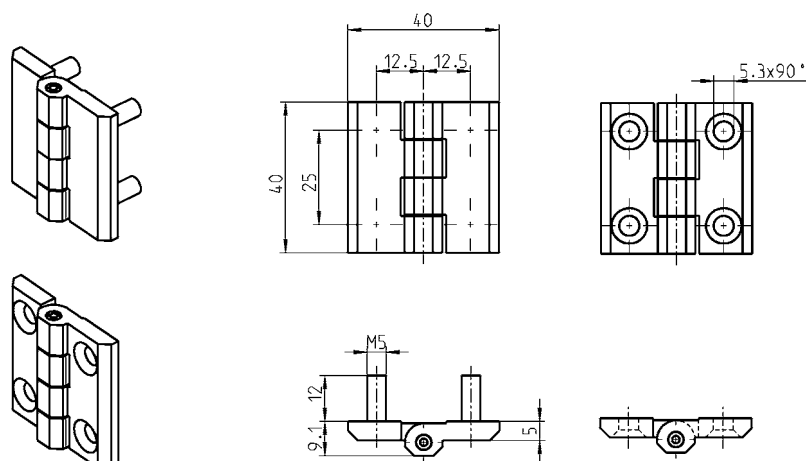
Screw-on hinge for countersunk screw M4; zinc-die surface at buyer's option; hinge pin stainless steel

black powder coated

1056-U60

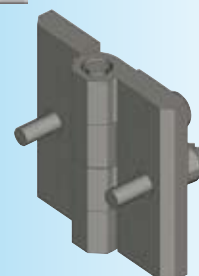
chrome plated

1056-U61

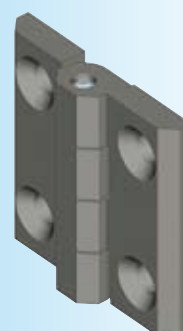
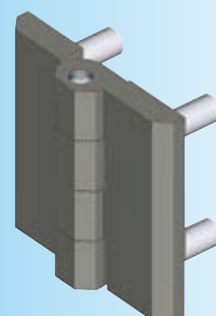
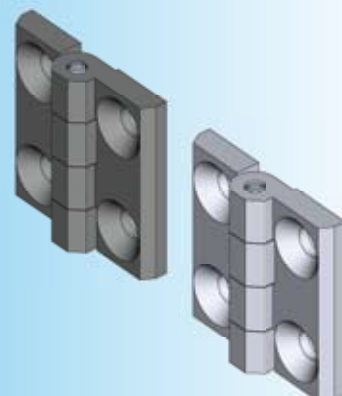


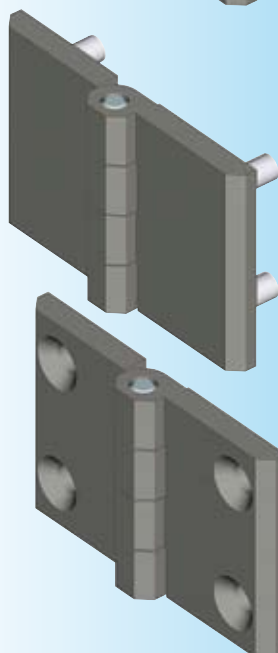
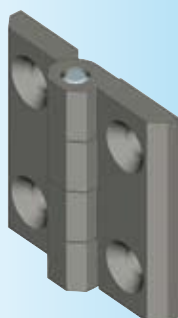
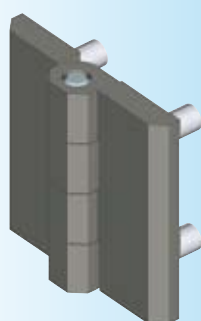
Screw-on hinge zinc die, Polyamide black or stainless steel; grub screw M5 stainless steel

	Pin	with threaded studs M5	for countersunk screw M5
zinc die chrome pl.	Stainless steel	1056-U3	1056-U5
zinc die black p.c.	Stainless steel	1056-U4	1056-U6
polyamide black	Stainless steel	—	1056-U30
polyamide black	polyamide	—	1056-U41
AISI 316	Stainless steel	—	1056-U5-PH



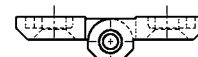
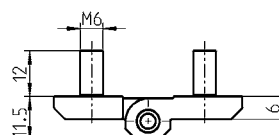
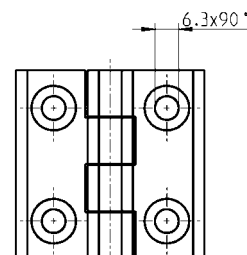
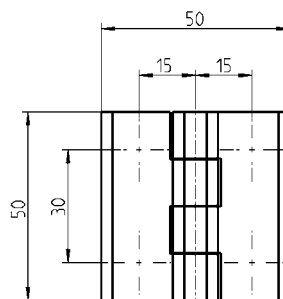
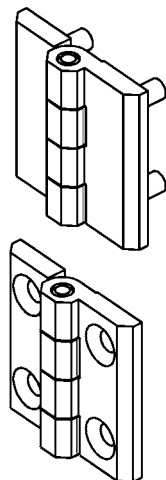
* Attention:
The indicated dimension is the final dimension, please observe in case of surface coatings.





180° screw-on hinge

STAINLESS STEEL



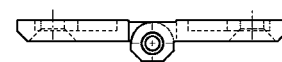
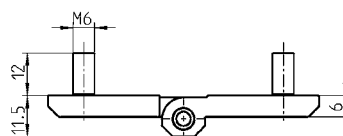
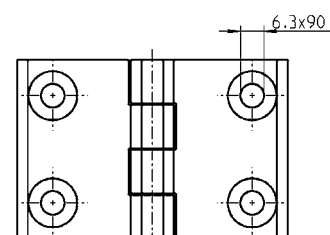
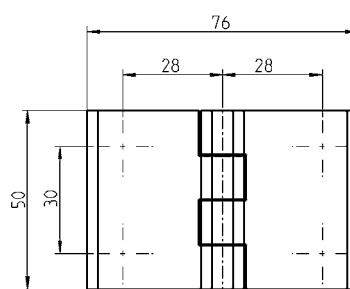
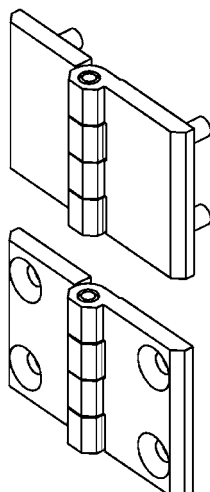
Screw-on hinge zinc die, polyamide black or stainless steel; grub screw M6 stainless steel

	Pin	with threaded studs M6	for countersunk screw M6 (2D-nut possible)
zinc die chrome pl.	Stainless steel	1056-U7	1056-U9
zinc die black p.c.	Stainless steel	1056-U8	1056-U10
polyamide black	Stainless steel	–	1056-U31
polyamide black	polyamide	–	1056-U42
AISI 316	Stainless steel	–	1056-U9-PH



270° screw-on hinge

STAINLESS STEEL



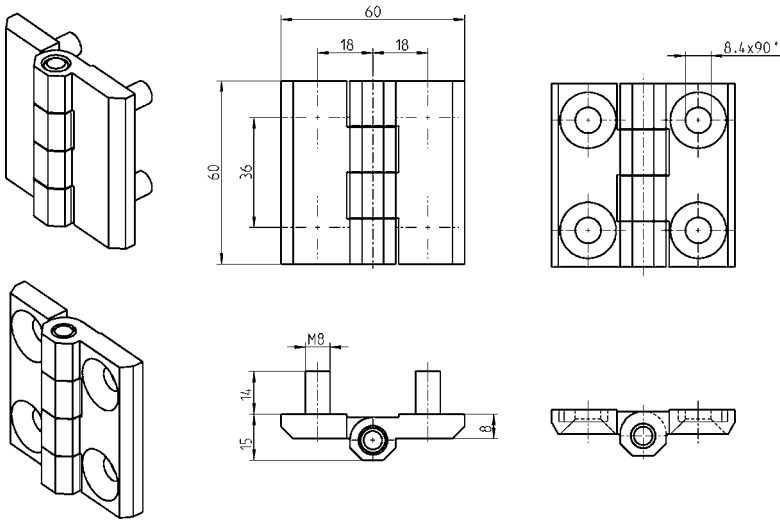
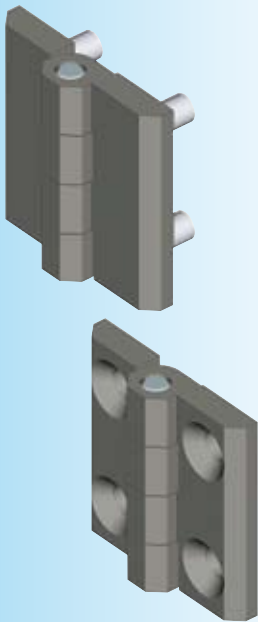
Screw-on hinge zinc-die or stainless steel; threaded stud M6 stainless steel

	Pin	with threaded studs M6	for countersunk screw M6 (2D-nut possible)
zinc die chrome pl.	Stainless steel	1056-U15	1056-U17
zinc die black p.c.	Stainless steel	1056-U16	1056-U18
AISI 316	Stainless steel	–	1056-U17-PH

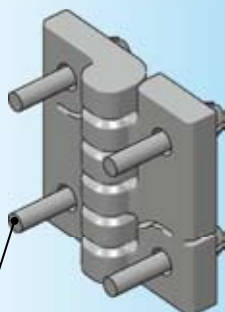
Further parts see page
– 2D-nut

12E-120

180° screw-on hinge PROGRAM 1056

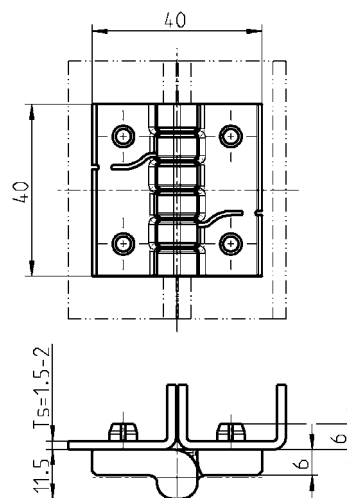
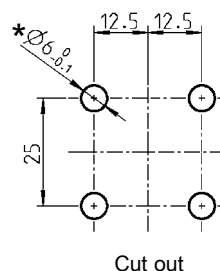
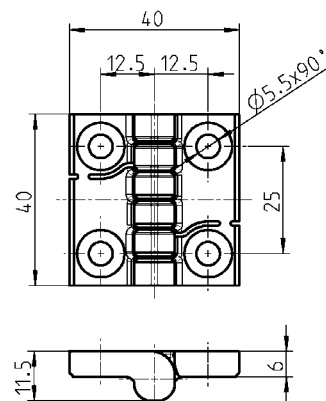
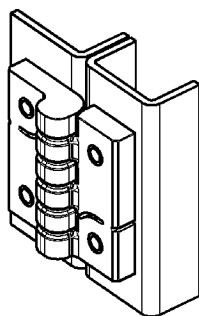
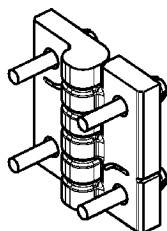
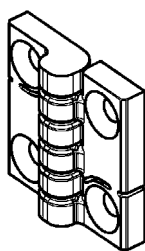
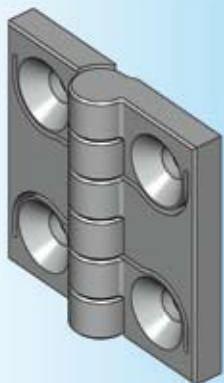


Screw-on hinge zinc-die or stainless steel; threaded stud M8 stainless steel			
	Pin	with threaded studs M8	for countersunk screw M8
zinc die chrome pl.	Stainless steel	1056-U11	1056-U13
zinc die black p.c.	Stainless steel	1056-U12	1056-U14
AISI 316	Stainless steel	–	1056-U13-PH



Expanding pin

* Attention:
The indicated dimension is the final dimension, please observe in case of surface coatings.



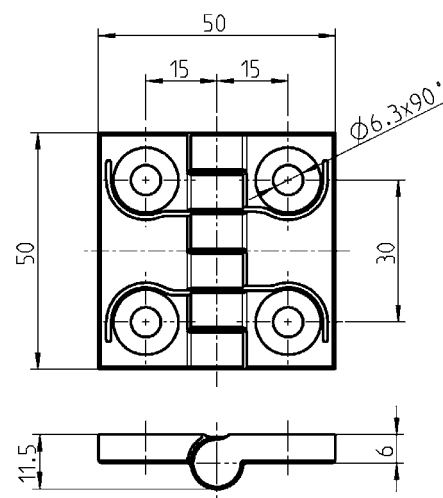
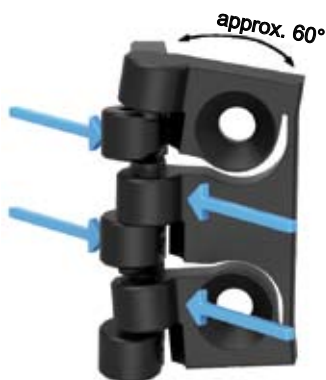
Clip-in hinge for countersunk screw M5 polyamide GF colour as requested, unassembled

black	1056-U66
silver	1056-U66-HW

Clip-in hinge with expansion pins polyamide GF black, unassembled

1056-U67

Mounting within seconds

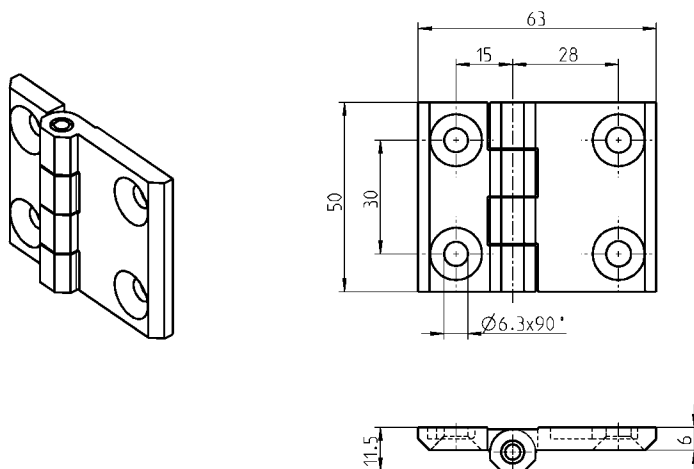


Clip-in hinge for countersunk screw M6 polyamide GF colour as requested, unassembled

black	1056-U68
silver	on request

180° screw-on hinge

PROGRAM 1056



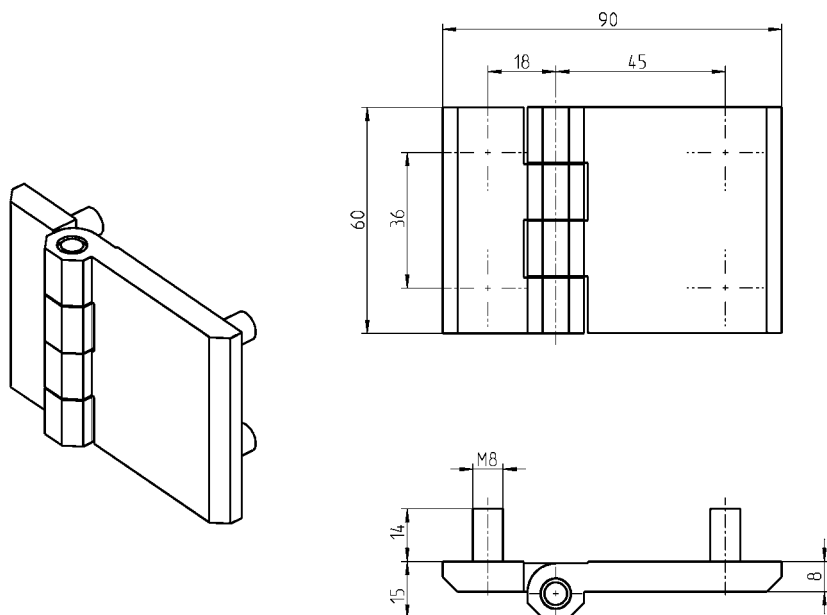
Screw-on hinge zinc die or stainless steel, pin stainless steel,
for countersunk screw M6 (2D-nut possible)

zinc die black powder coated

1056-U59

AISI 316

1056-U59-PH



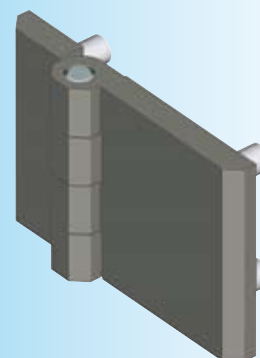
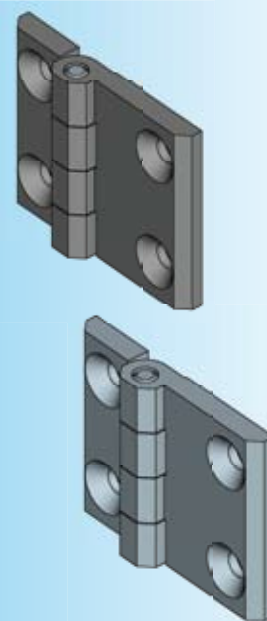
Screw-on hinge zinc die, threaded studs M8 stainless steel

chrome plated

1056-U19

black powder coated

1056-U20

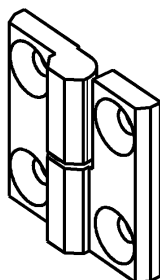
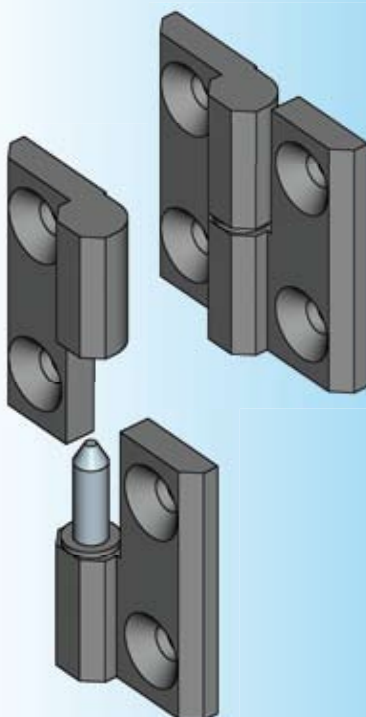
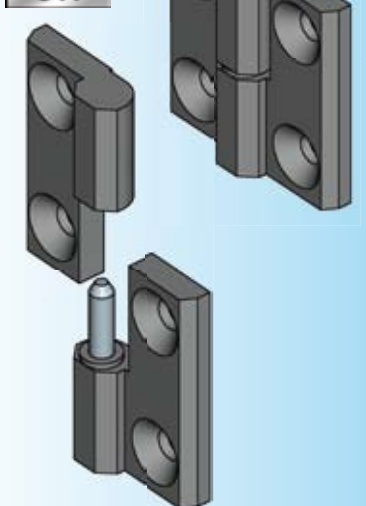


Further parts see page
– 2D-nut

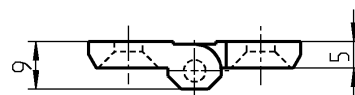
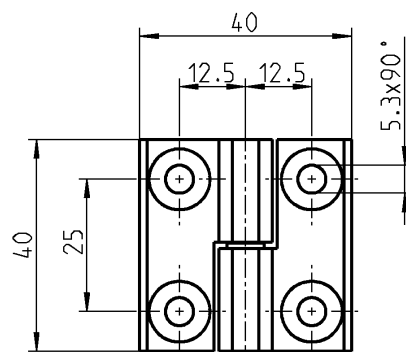
12E-120

180° screw-on hinge PROGRAM 1056

Beschlagteile



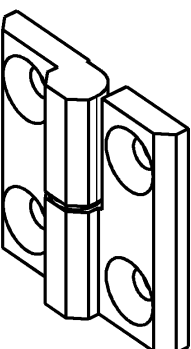
Right-hand version shown
Left-hand version is a mirror-image



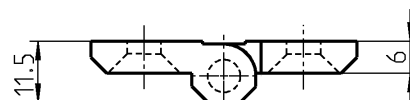
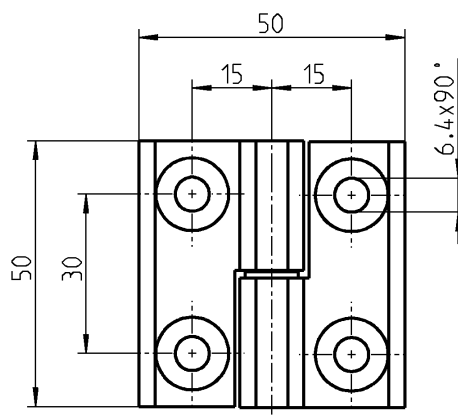
Screw-on hinge zinc die black powder coated or AISI 316,
washer polyamide black or stainless steel, pin stainless steel

for countersunk screw M5

	Zinc die	AISI 316
LH version	1056-U54	1056-U54-PH
RH version	1056-U53	1056-U53-PH



Right-hand version shown
Left-hand version is a mirror-image



Screw-on hinge zinc die black powder coated or AISI 316,
washer polyamide black or stainless steel, pin stainless steel

for countersunk screw M6
(2D-nut possible)

	Zinc die	AISI 316
LH version	1056-U56	1056-U56-PH
RH version	1056-U55	1056-U55-PH

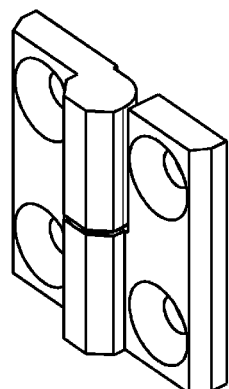
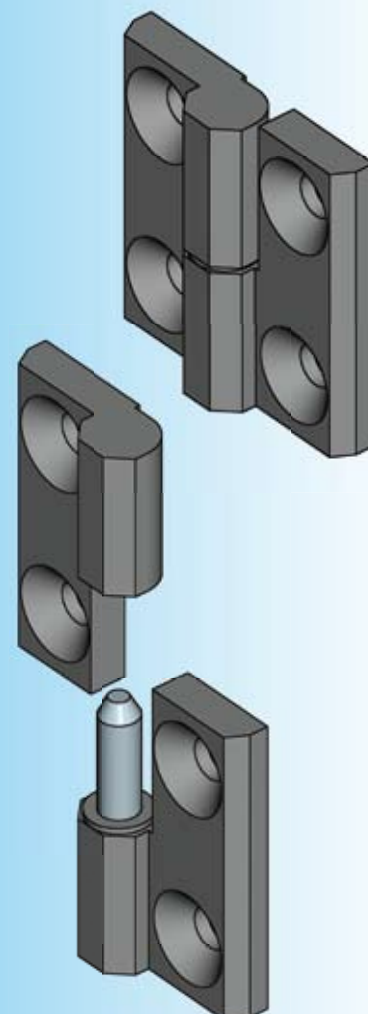
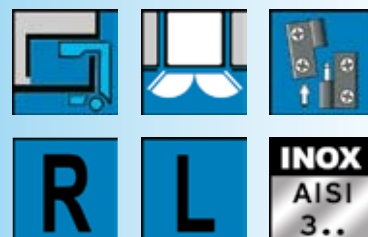
Further parts see page
– 2D-nut

12E-120

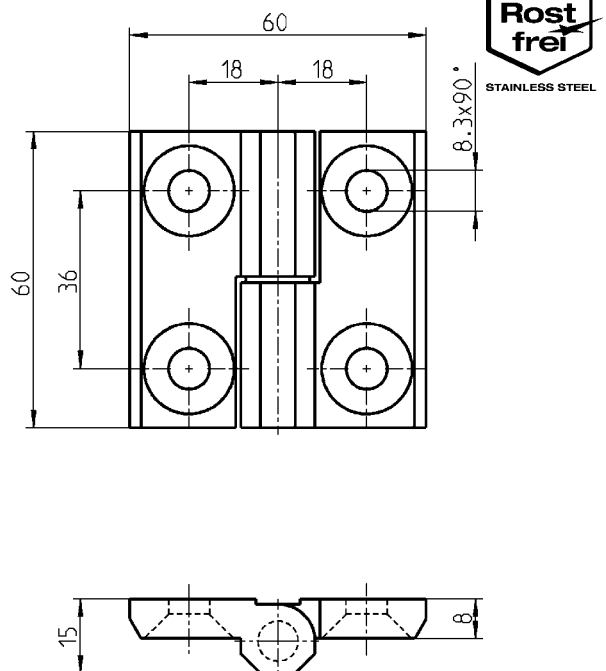
180° screw-on hinge

PROGRAM 1056

Beschlagteile



Right-hand version shown
Left-hand version is a mirror-image



Screw-on hinge zinc die black powder coated or AISI 316,
washer polyamide black or stainless steel, pin stainless steel

for countersunk screw M8

Zinc die

AISI 316

LH version

1056-U58

1056-U58-PH

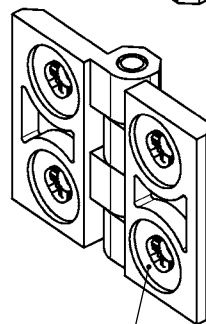
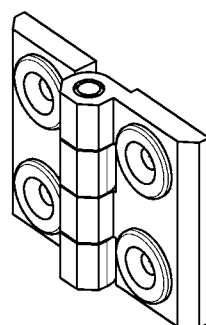
RH version

1056-U57

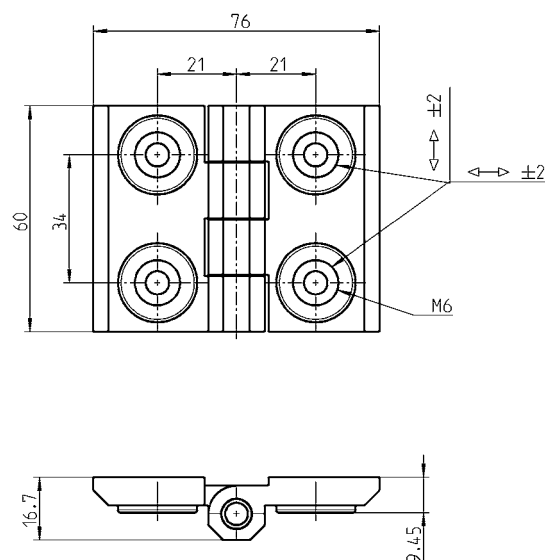
1056-U57-PH



180° 2D-screw-on hinge



Recess for rivet nut M6 customary in trade

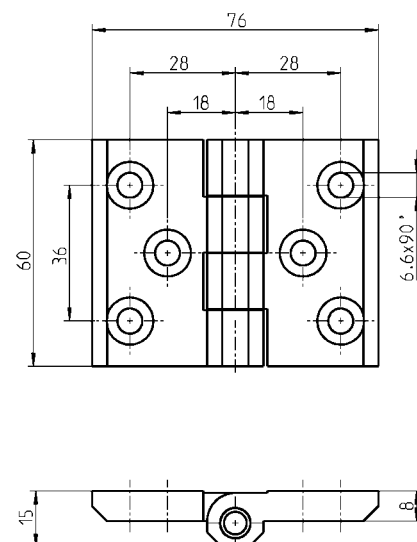
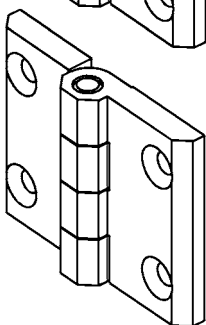
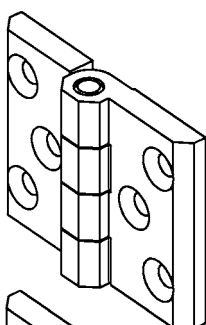


Adjustable ± 2 mm
in the horizontal
and vertical direction

2D screw-on hinge zinc die black powder coated; pin stainless steel

1056-U27

180° screw-on hinge



Screw-on hinge zinc die black powder coated; pin stainless steel

with 4 countersunk holes for screw M6 (2D-nut possible)

1056-U29

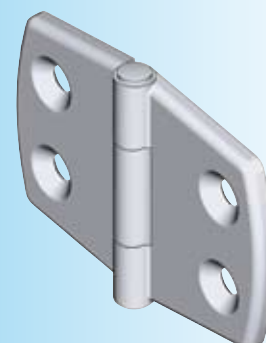
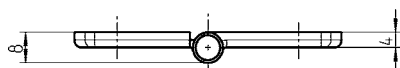
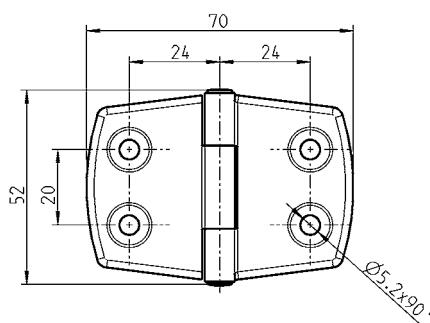
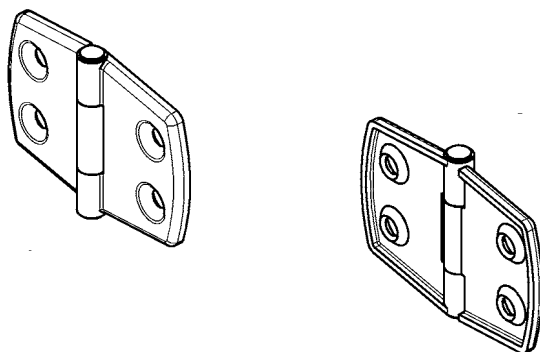
with 6 countersunk holes for screw M6 (2D-nut possible)

1056-U28

Further parts see page
– 2D-nut

12E-120

180° screw-on hinge PROGRAM 6020



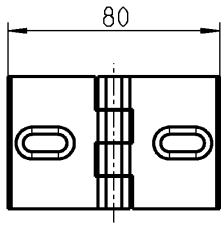
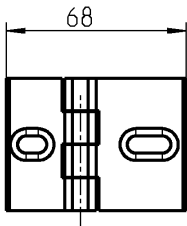
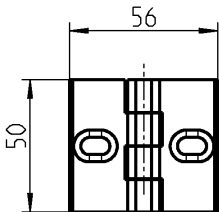
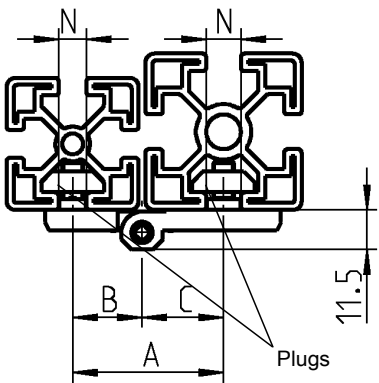
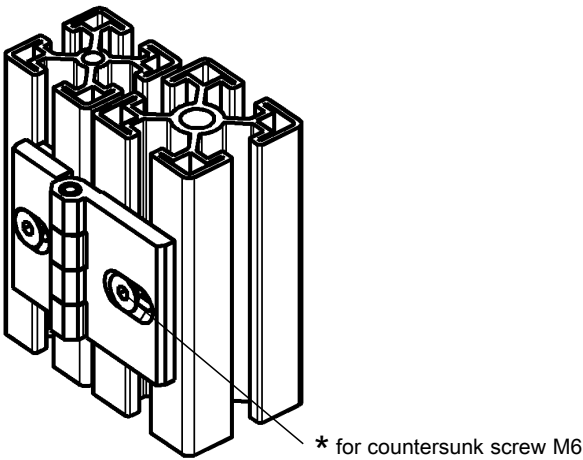
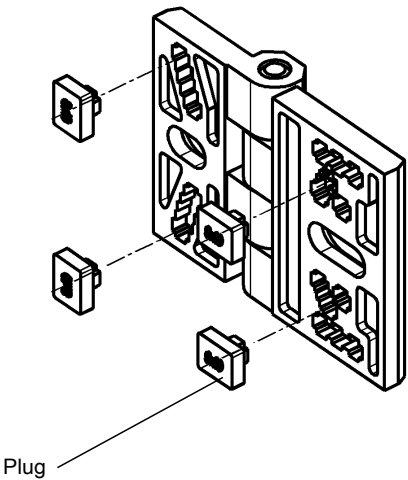
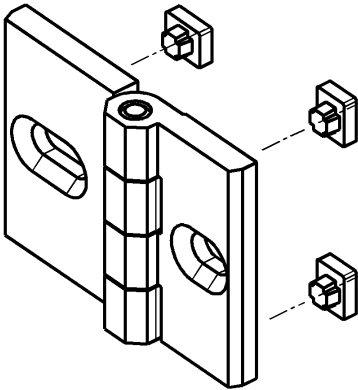
Screw-on hinge for countersunk screw small head M5 AISI 316 polished

6020-U1098-PP

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

Hinge for aluminium profiles

PROGRAM 1056

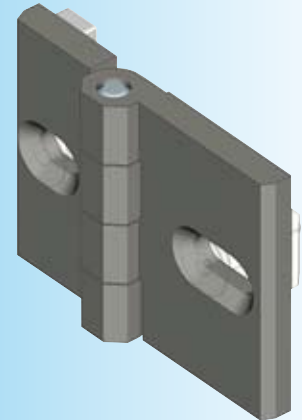


Hinge for aluminium profiles zinc die black p.c., pin stainless steel and plugs zinc die

Plugs	8x10	1056-U21	Plugs	8x10	1056-U22	Plugs	8x10	1056-U23
	7x10	1056-U24		7x10	1056-U25		7x10	1056-U26

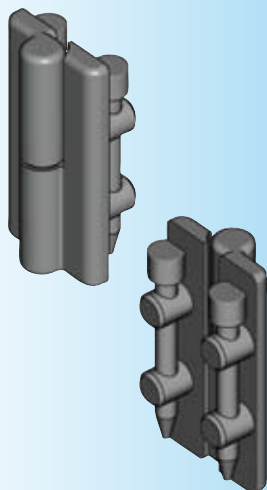


- for location of socket for plug please refer to rear of hinge
- can be used for different profiles
- this hinge offers versatility due to several location options for plugs on the rear
- for four plugs, supplied with each of the hinges, provide protection against twisting and are suitable for slots of N = 8 and 10 or N = 7 and 10 mm (other N-dimensions on request)



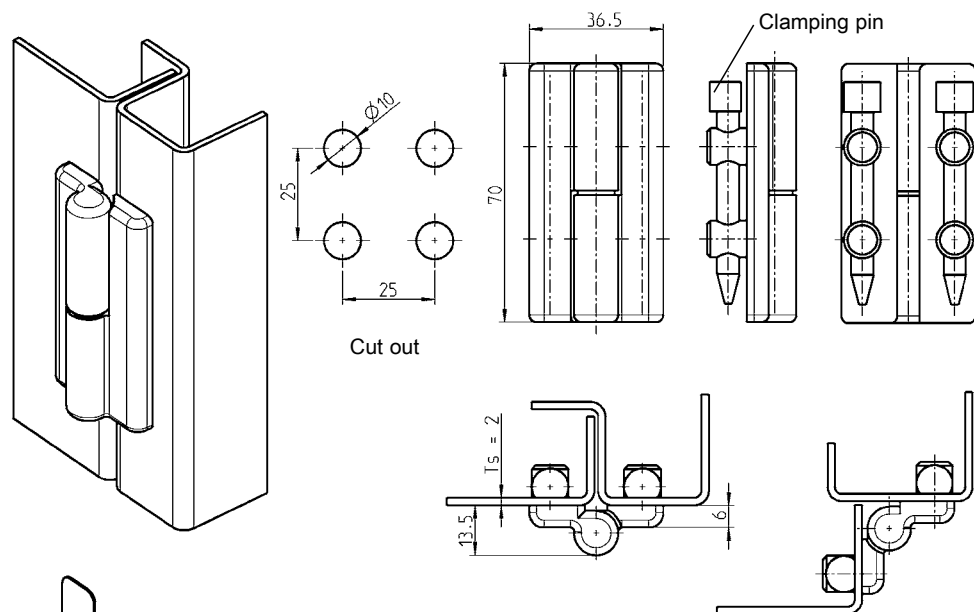
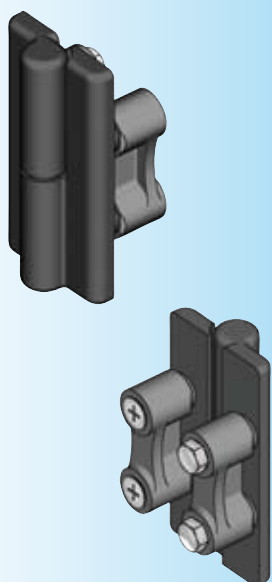
Plugs 8x10 1056-U21 Plugs 7x10 1056-U24			Plugs 8x10 1056-U22 Plugs 7x10 1056-U25			Plugs 8x10 1056-u23 Plugs 7x10 1056-U26		
A	socket		A	socket		A	socket	
	B	C		B	C		B	C
33	16,5	16,5	37,5	16,5	21	42	21	21
34	16,5	17,5	38	16,5	21,5	42,5	21	21,5
35	16,5	18,5	40	16,5	23,5	44,5	21	23,5
35,5	16,5	19	42,5	16,5	26	47	21	26
36,5	16,5	20	44	16,5	27,5	48,5	21	27,5
35	17,5	17,5	47,5	16,5	31	52	21	31
36	17,5	18,5	38,5	17,5	21	43	21,5	21,5
36,5	17,5	19	39	17,5	21,5	45	21,5	23,5
37,5	17,5	20	41	17,5	23,5	47,5	21,5	26
37	18,5	18,5	43,5	17,5	26	49	21,5	27,5
37,5	18,5	19	45	17,5	27,5	52,5	21,5	31
38,5	18,5	20	48,5	17,5	31	47	23,5	23,5
38	19	19	39,5	18,5	21	49,5	23,5	26
39	19	20	40	18,5	21,5	51	23,5	27,5
40	20	20	42	18,5	23,5	54,5	23,5	31
			44,5	18,5	26	52	26	26
			46	18,5	27,5	53,5	26	27,5
			49,5	18,5	31	57	26	31
			40	19	21	55	27,5	27,5
			40,5	19	21,5	58,5	27,5	31
			42,5	19	23,5	62	31	31
			45	19	26			
			46,5	19	27,5			
			50	19	31			
			41	20	21			
			41,5	20	21,5			
			43,5	20	23,5			
			46	20	26			
			47,5	20	27,5			
			51	20	31			

* not included

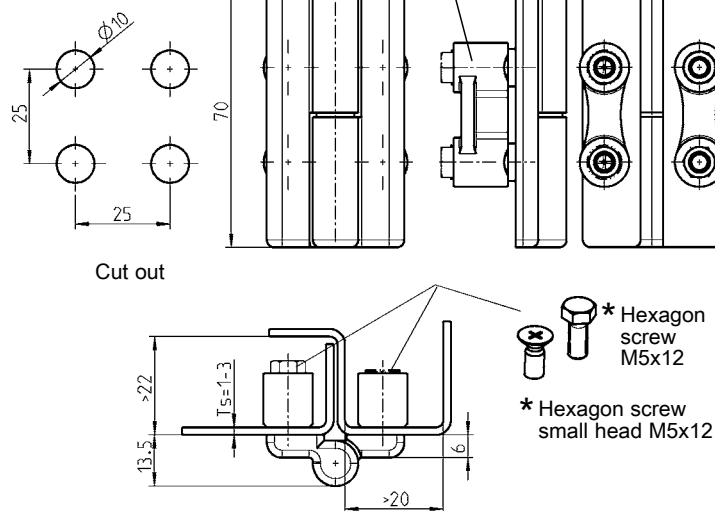
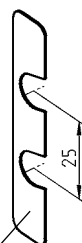


Assembling:

Hinge is fixed by driving in the polyamide pins. The stripping force in Z direction is 1500 N.



Spacer plate has to be ordered sep. for deviating door thicknesses (one plate per clamping bar)



* Hexagon screw M5x12
* Hexagon screw small head M5x12

Hinge with clamping pin zinc die black powder coated or polyamide GF black; clamping pin Polyamide GF black, pin stainless steel

		Zinc die	polyamide
Ts = 1.5	RH	—	1056-U49
Ts = 1.5	LH	—	1056-U50
Ts = 2.0	RH	1056-U35	—
Ts = 2.0	LH	1056-U33	—

Hinge with fastening bow zinc die black powder coated; pin stainless steel

RH	1056-U44
LH	1056-U43

Support plate 304 (1x per pin fixing)

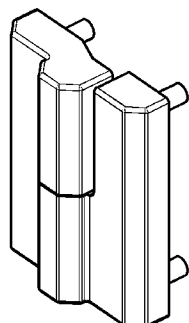
Hinge for Ts	change into Ts	
1,5	1,0	1110-39-02
2,0	1,0	1110-39-03
2,0	1,5	1110-39-02

* not included

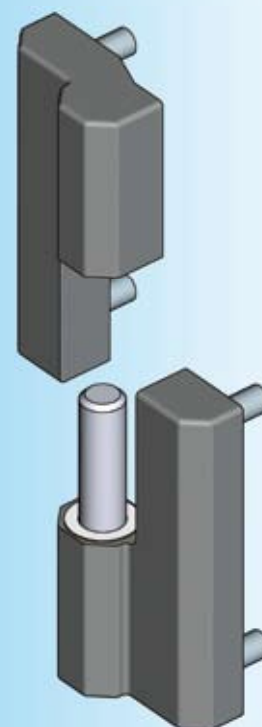
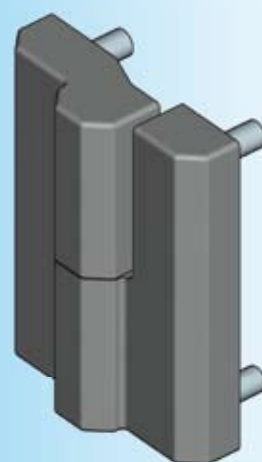
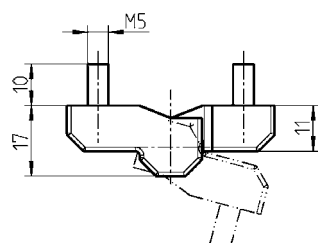
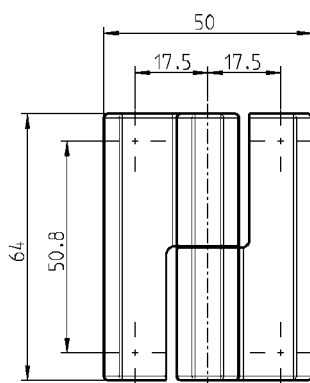
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

160° screw-on hinge

PROGRAM 1056

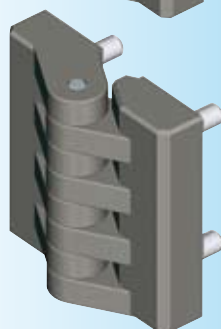
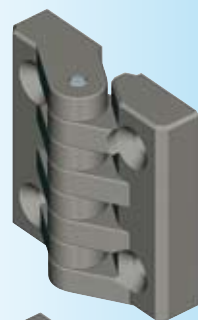
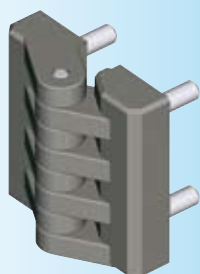


Right-hand version shown
Left-hand version is a mirror-image



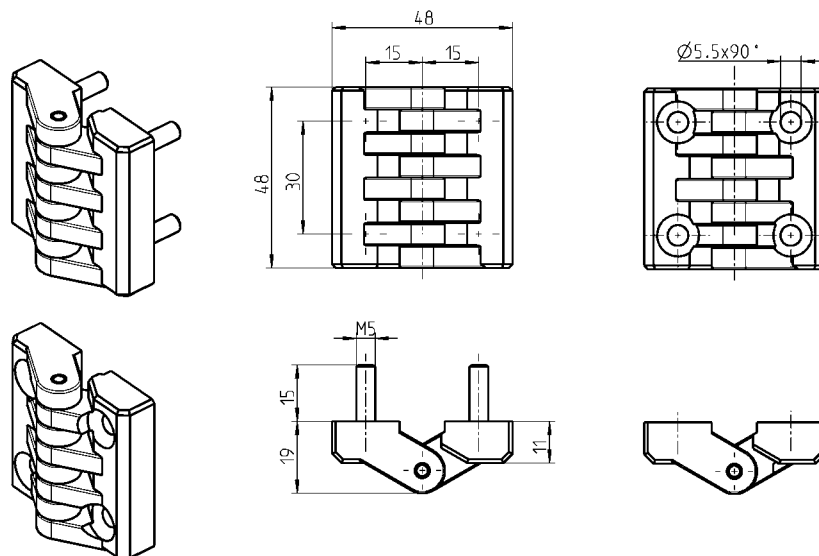
Screw-on hinge zinc die black powder coated or chrome plated; washer Teflon white; hinge pin m.s. zinc plated

	black powder coated	chrome plated
LH version	1056-U62	1056-U64
RH version	1056-U63	1056-U65



Further parts see page
– 2D-nut

12E-120



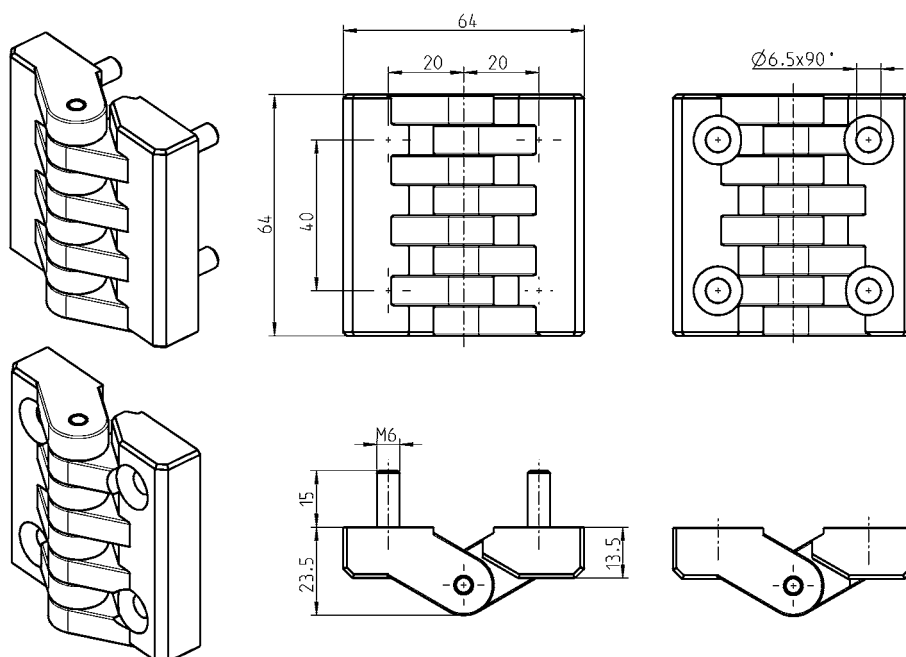
Screw-on hinge polyamide GF black; pin m.s. zinc plated

for countersunk screw M5

1056-U37

with grub screw M5

1056-U38



Screw-on hinge polyamide GF black; pin m.s. zinc plated

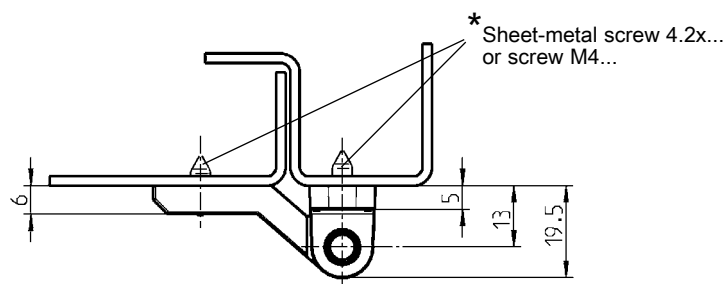
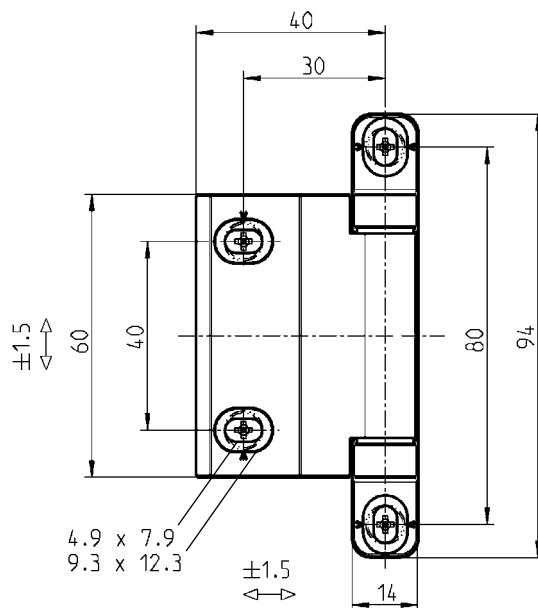
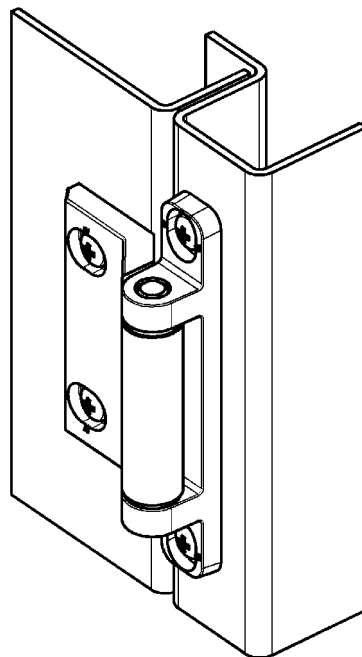
for countersunk screw M6 (2D-nut possible)

1056-U39

with grub screw M6

1056-U40

180° 2D hinge PROGRAM 1054



* not included

180° 2D hinge zinc die black powder coated, pin stainless steel, bushes polyamide

1054-U37

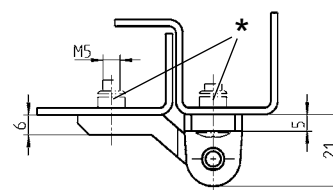
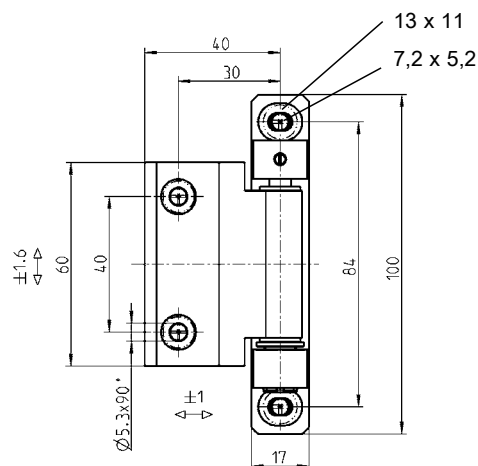
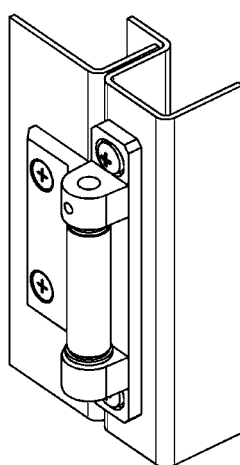
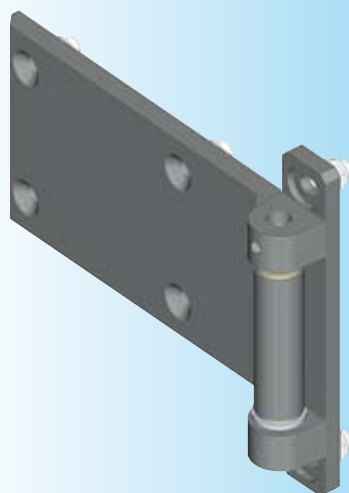


RL

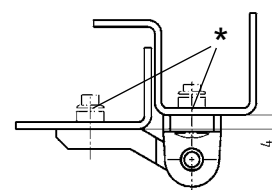


RH- or LH-version by turning around the door part

Hinge pin is self-gripping

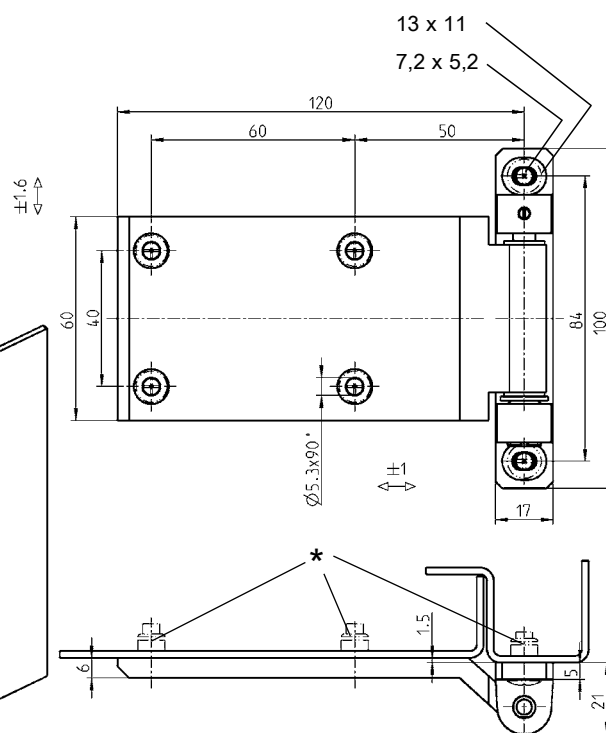
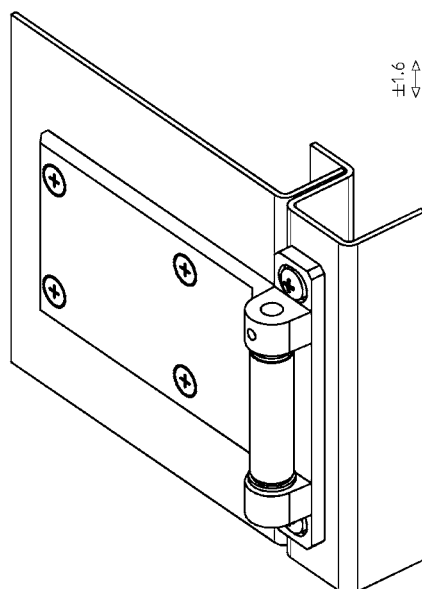


Version A



Version B

Countersunk for small head countersunk screw M5x



Version C

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

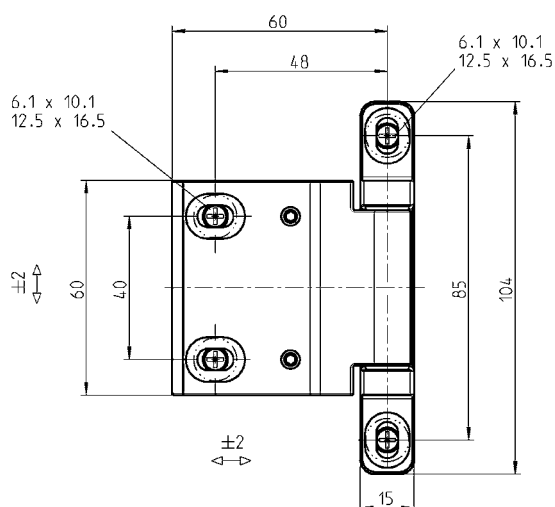
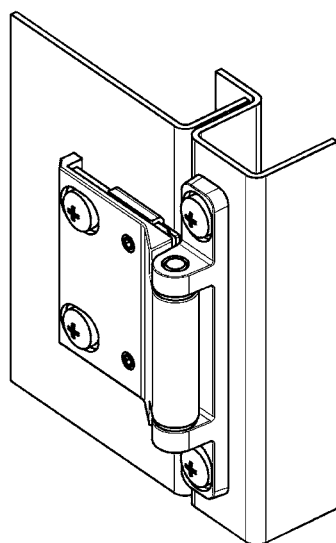
2D screw-on hinge door part and centre part zinc die surface of your choice; shaft brass nickel plated; washer m.s. zinc plated; bush polyamide

	Version A	Version B	Version C
black powder coated	1054-U33-01	1054-U34-01	1054-U35-01
raw	1054-U33-02	1054-U34-02	1054-U35-02

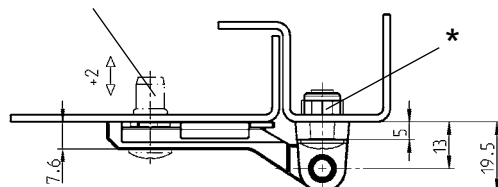
180° 3D-screw-on hinge

PROGRAM 1054

Beschlagteile



* Centre part prepared for pan head rivet nut M6



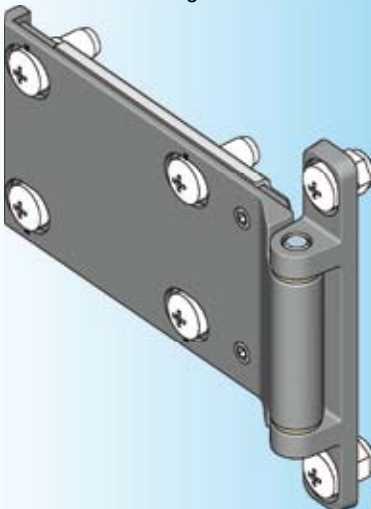
3D screw-on hinge Door part and centre part zinc-die powder-coated black; axle, pin and washers stainless steel; bushes plastic

1054-U42-01

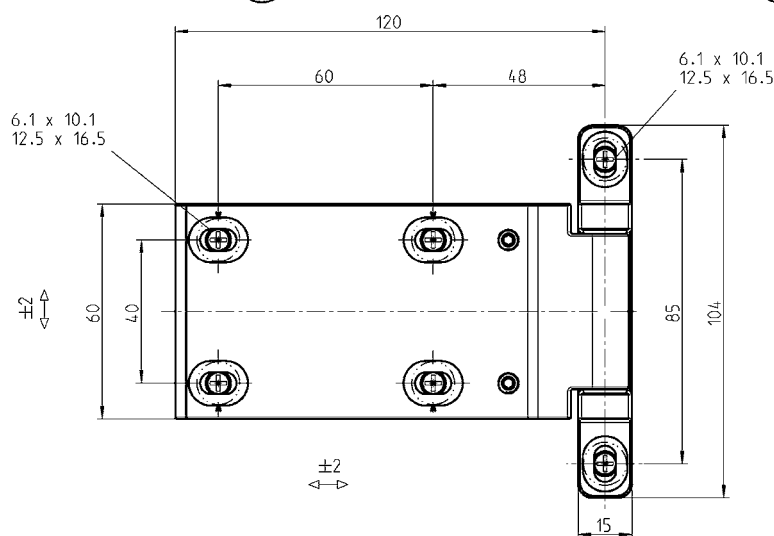
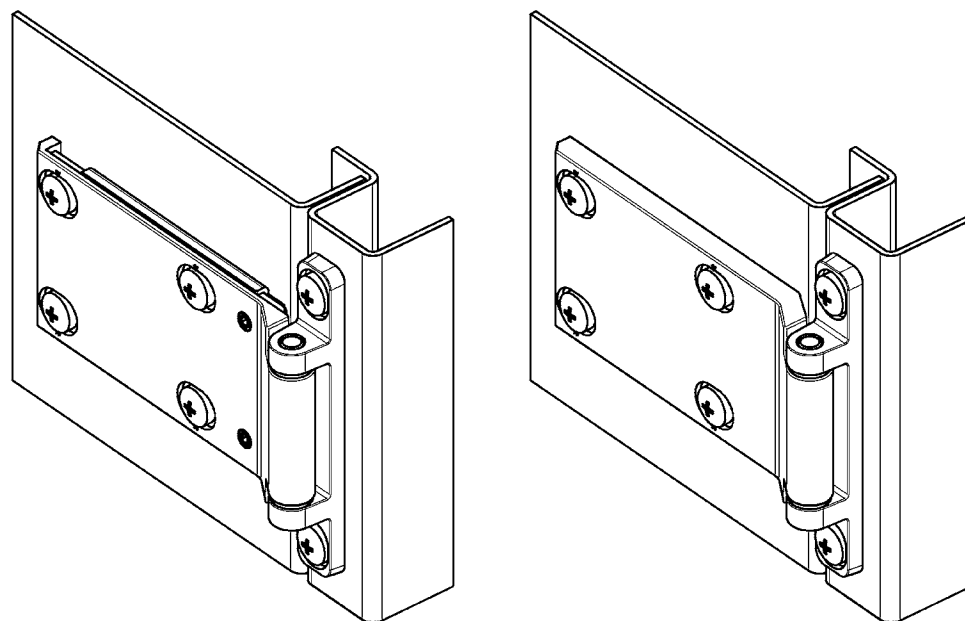
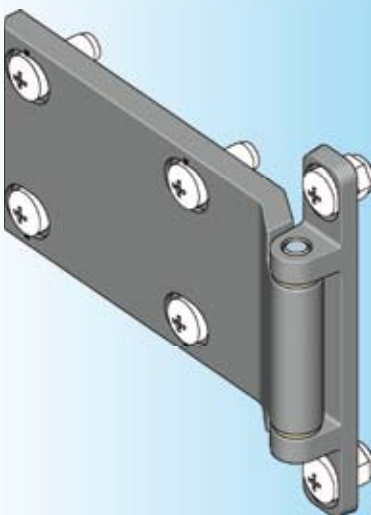
* Oval head screw DIN ISO 7380 M6x... not included in the scope of supply



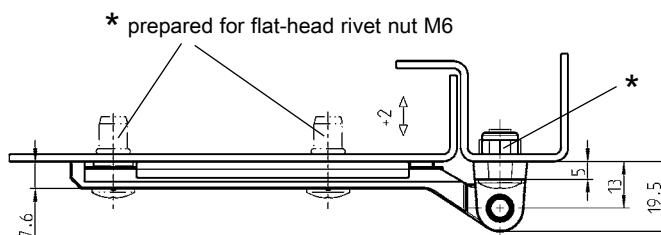
3D-screw-on hinge



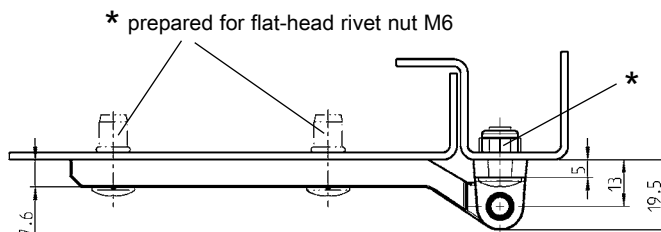
2D-screw-on hinge



3D-screw-on hinge



2D-screw-on hinge



* Oval head screw
DIN ISO 7380 M6x...
not included in the scope of
supply

3D-screw-on hinge door part and centre part zinc die black p.c.;
axle, plate and bolts stainless steel; PA bushings

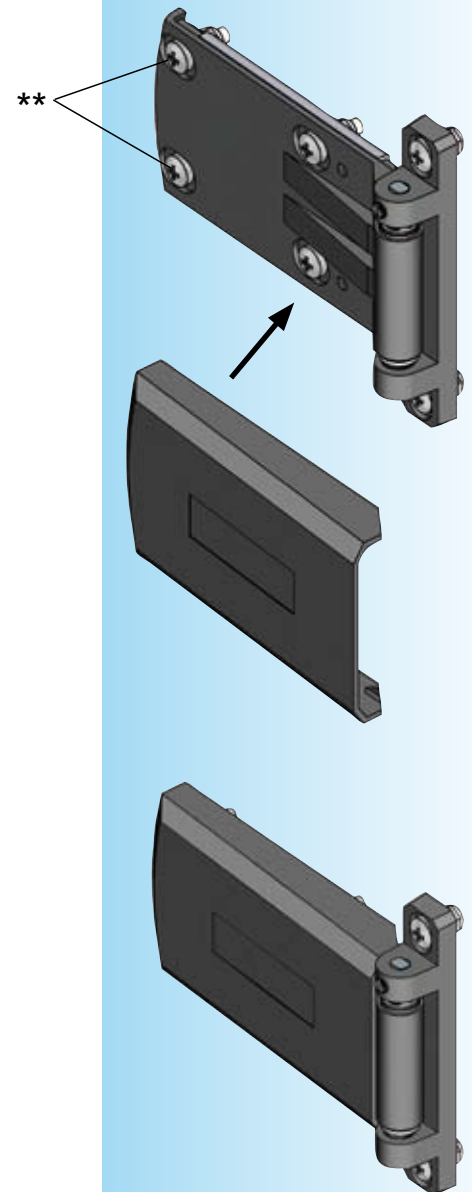
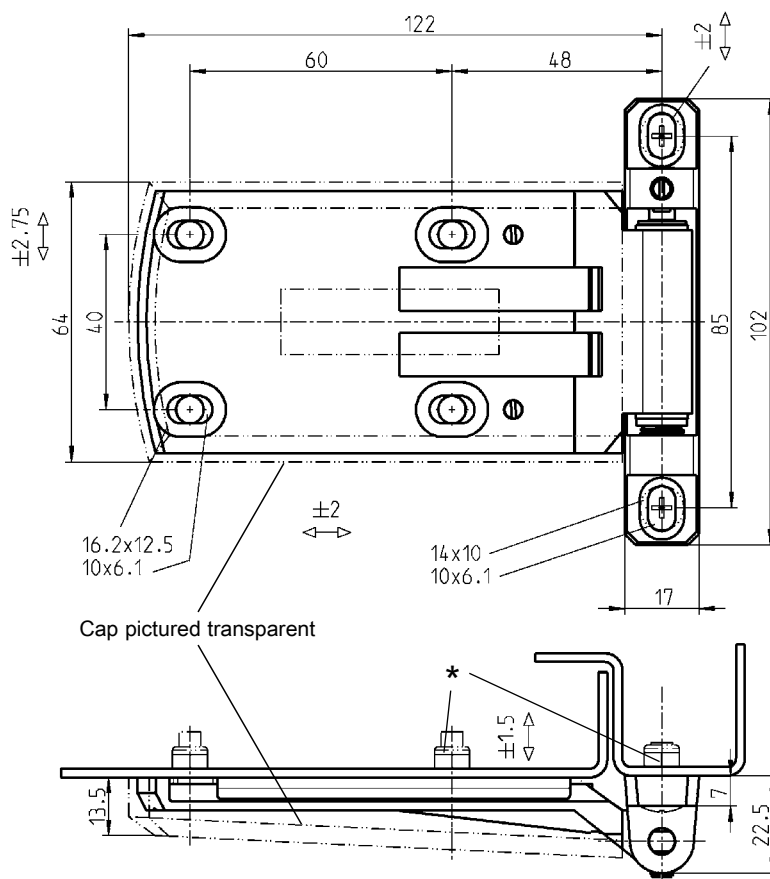
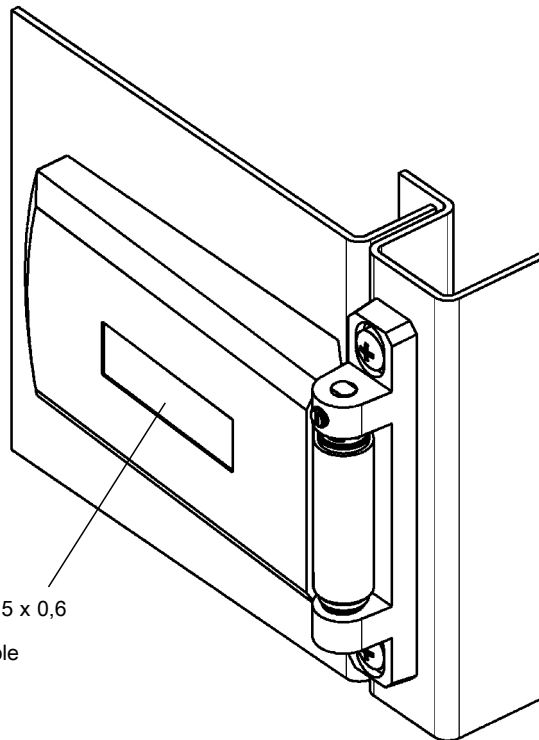
1054-U43-01

2D-screw-on hinge door part and centre part zinc die black p.c.;
axle stainless steel; PA bushings

1054-U44-01

180° 3D-screw-on hinge

PROGRAM 1054



* not included

** Only screws with flat head or with max. head height 5 mm can be used

RH- or LH-version by turning around the door part

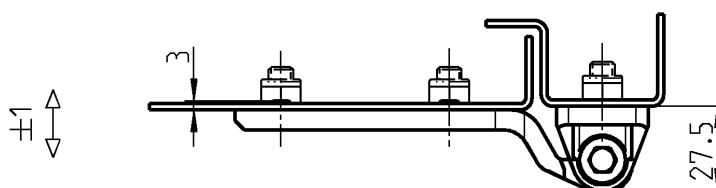
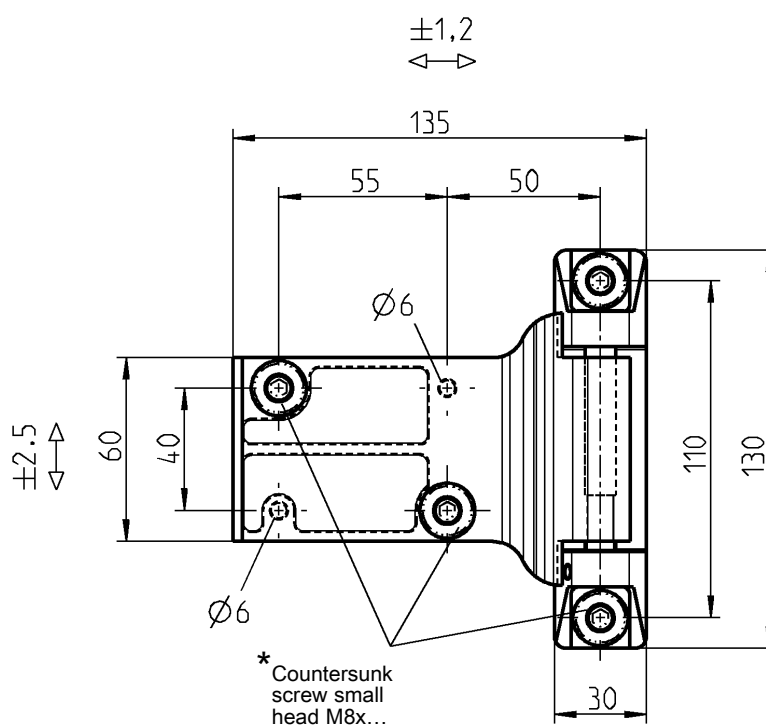
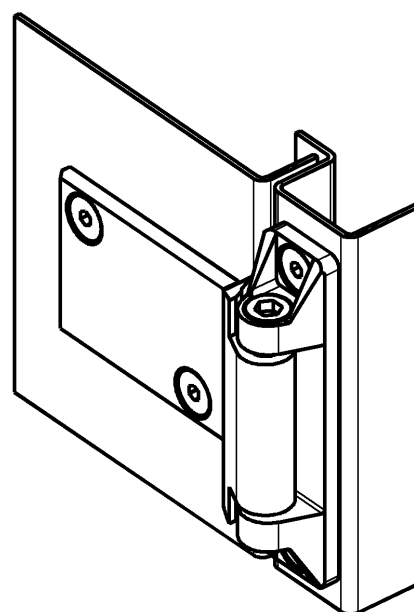
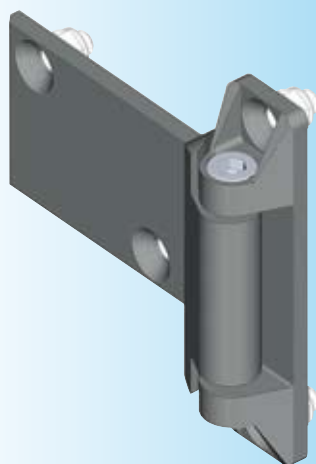
3D-screw-on hinge door part and centre part zinc die black p.c.;
axle stainless steel; pin and washer steel zinc pl.;
cap and bush polyamide black

RH version

1054-U36-RE

LH version

1054-U36-LI



* not included

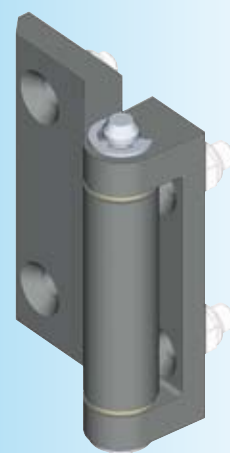
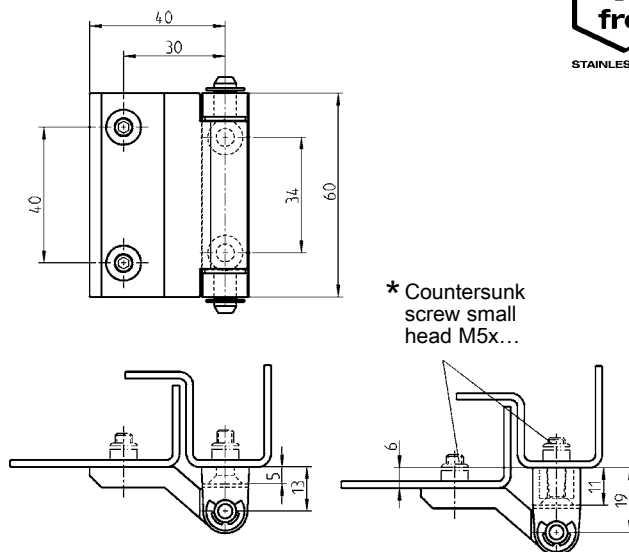
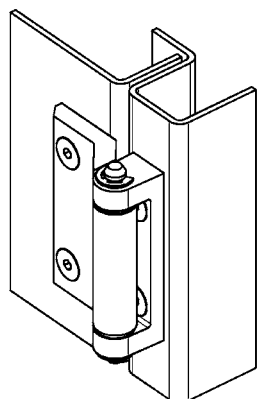
small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

3D-screw-on hinge zinc die, shaft and grub screw stainless steel

	LH version	RH version
black powder coated	1054-U32	1054-U31
raw	1054-U32-01	1054-U31-01

180° screw-on hinge

PROGRAM 1054



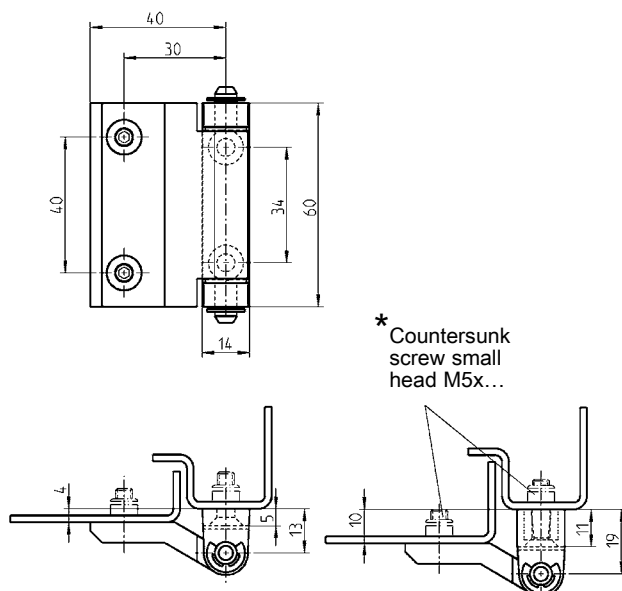
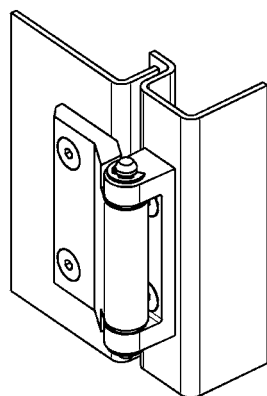
Screw-on hinge zinc die, pin and washer m.s. zinc pl. and bush polyamide

	level	6 mm higher
chrome plated	1054-U4	1054-U27
black powder coated	1054-U5	1054-U28
raw	1054-U22**	1054-U29**

** = Minimum order quantity 1000 pcs.

Screw-on hinge AISI 316 and bushes polyamide

	1054-U5-PH	-
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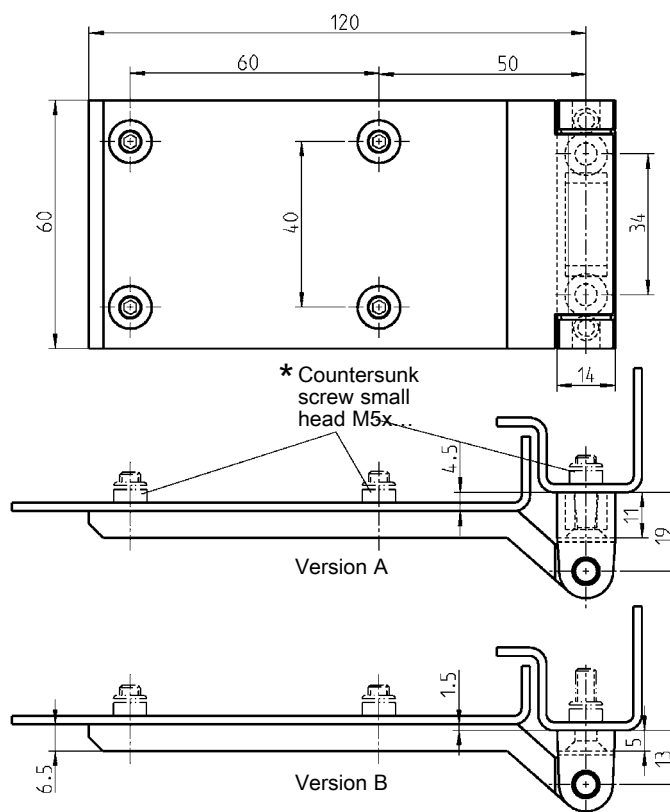
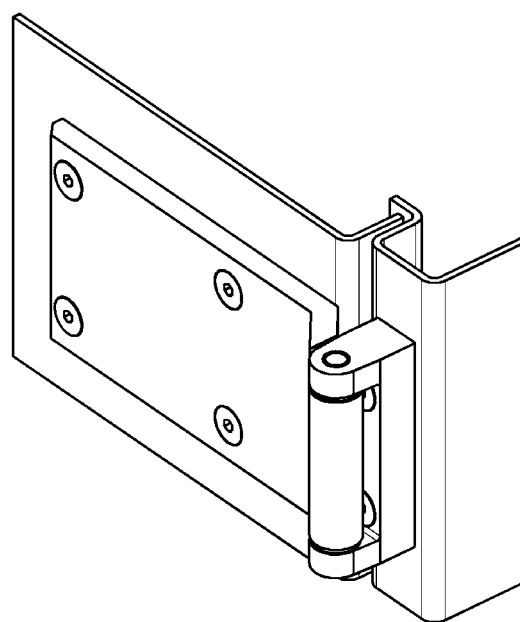
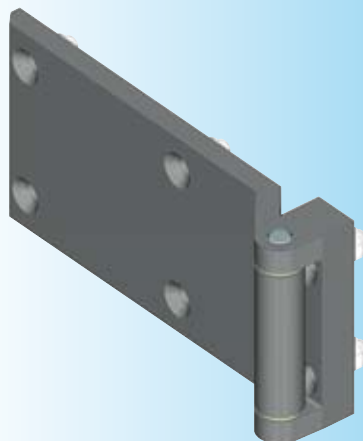
Screw-on hinge zinc die, pin and washer m.s. zinc pl. and bush polyamide

	4 mm higher	10 mm higher
chrome plated	1054-U7	1054-U19
black powder coated	1054-U10	1054-U20
raw	1054-U18**	1054-U21**

** = Minimum order quantity 1000 pcs.

* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047



* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

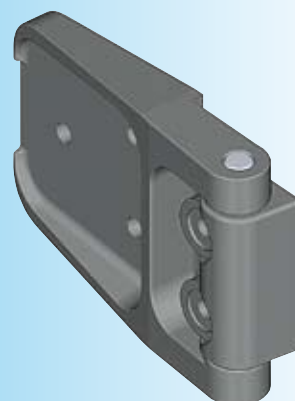
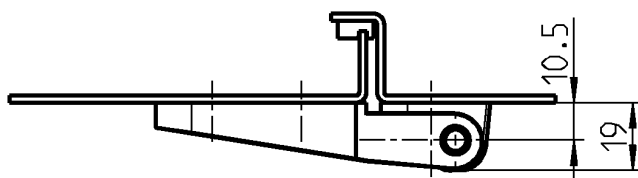
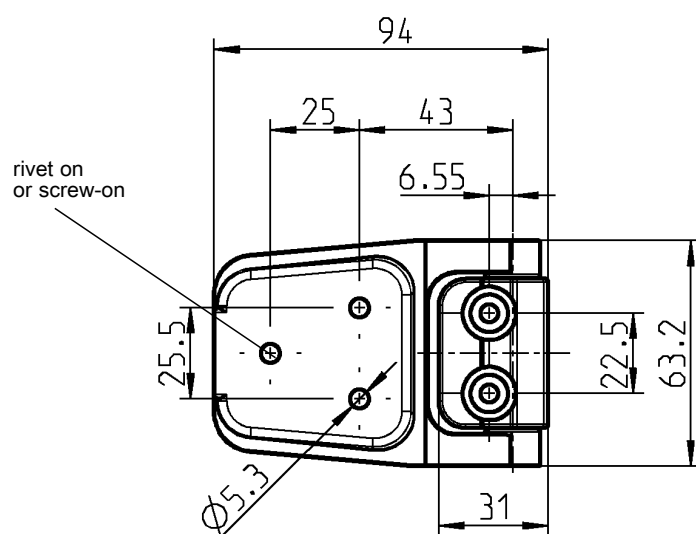
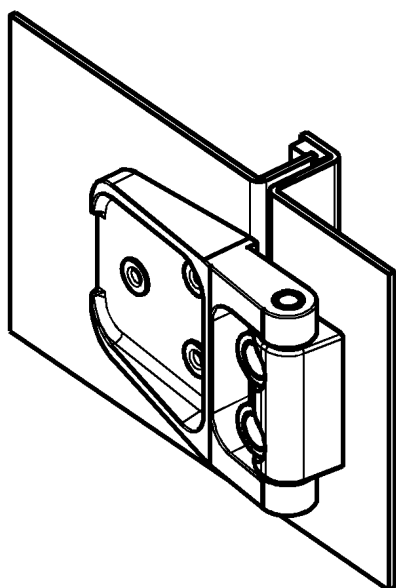
Screw-on hinge zinc die, pin stainless steel and bushes polyamide

	Version A	Version B
black powder coated	1054-U11	1054-U6
raw	1054-U13**	1054-U12**

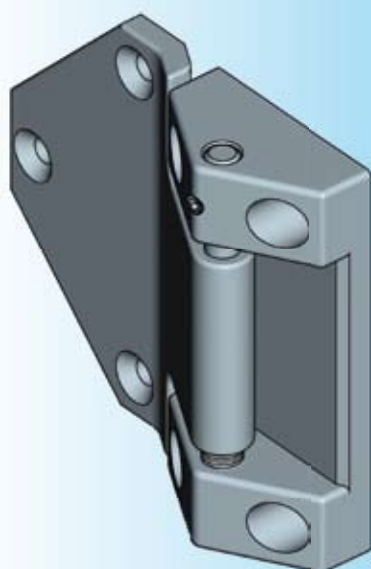
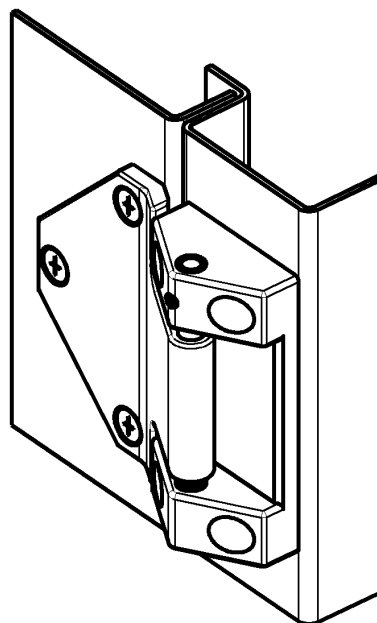
** = Minimum order quantity 1000 pcs.

180° hinge

PROGRAM 1054, 1091

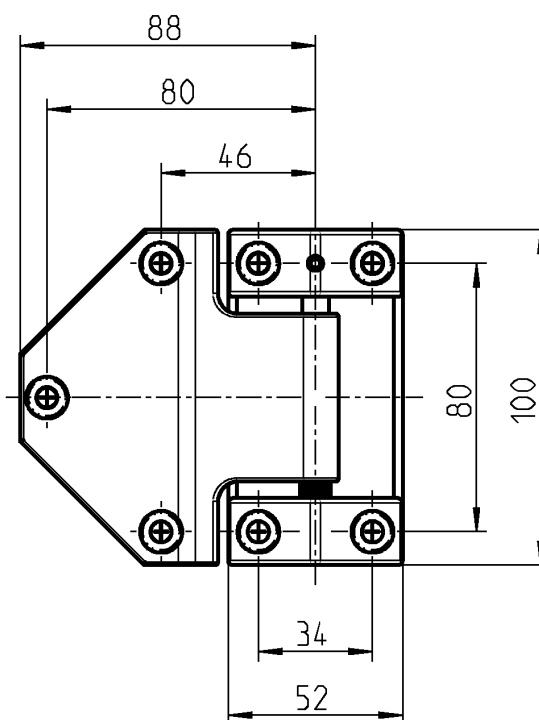


Application
for double skin
doors

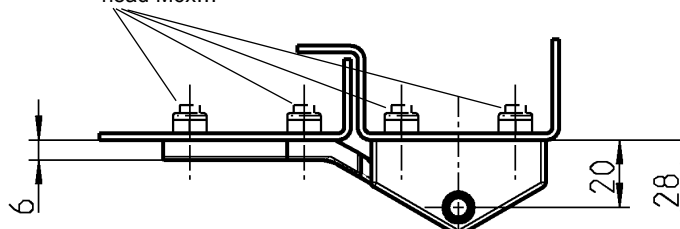


Height adjustment ± 4 mm

RH- or LH-version by turning around the door part



* Countersunk screw small head M6x...



* not included

small head = DIN ISO 2009, 2010, 7046-1, 7046-2, 7047

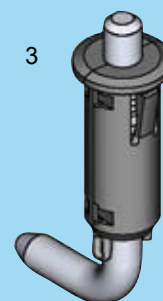
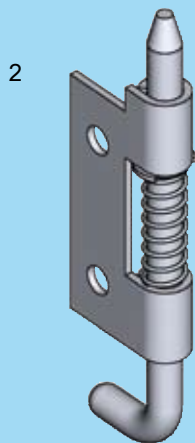
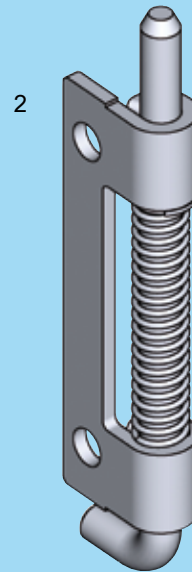
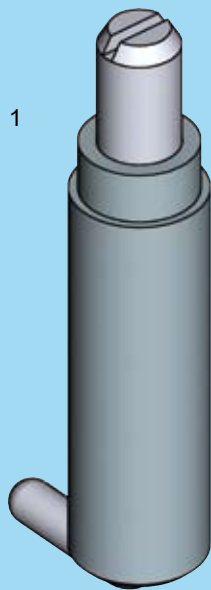
Further parts see page
– 2D-nut

12E-120

Screw-on hinge adjustable stainless steel 1.4571, washer and hinge pin stainless steel

1054-U39

Pin hinge Program 1117



- 1 Weld-on pin hinge
- 2 Pin hinge can be screwed on and riveted on
- 3 Clip-in pin hinge

4C-120
4C-120
4C-130

4C-100

Info

1 Quarter turns

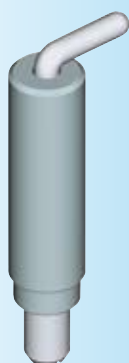
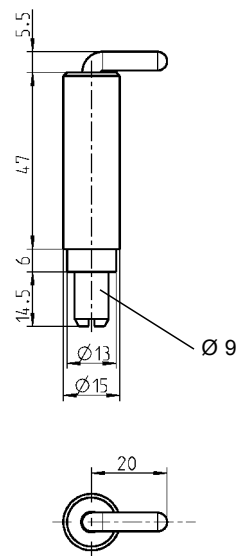
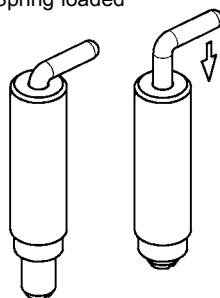
2 Rod controls

3 Locking
systems

4 Hinges



Spring loaded

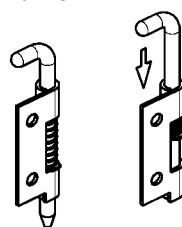


Pin hinge m.s. zinc pl., spring material spring steel zinc pl.,
guide tube m.s. raw or completely AISI 304

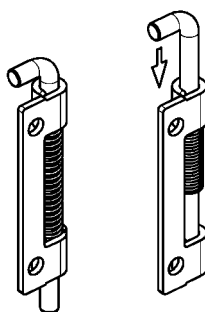
m.s.	1117-U1
AISI	1117-U1-PF



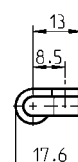
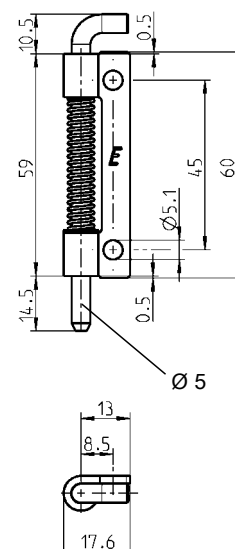
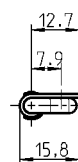
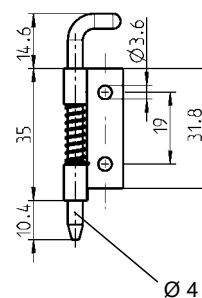
Spring loaded



Version A



Version B



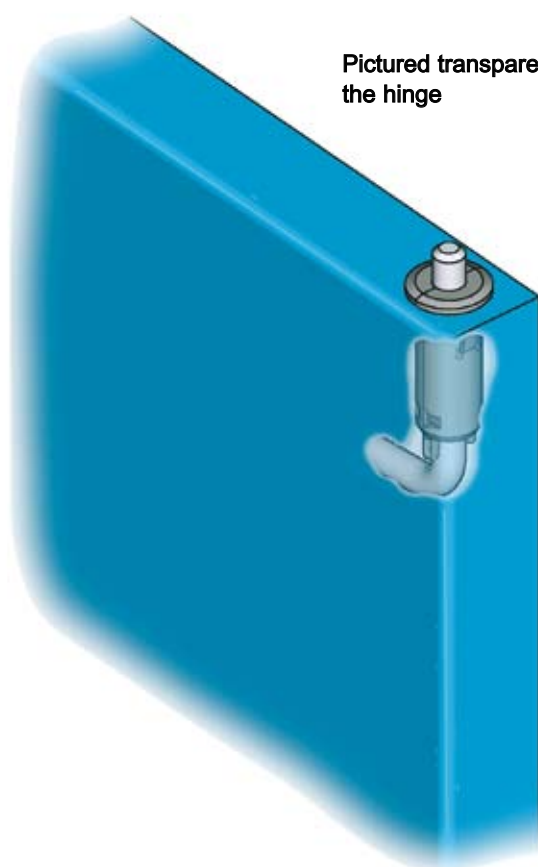
Pin hinge m.s. zinc pl., spring material spring steel zinc pl.

RH-version A	1117-U2	LH-version A	1117-U3
RH-version B	1117-U4	LH-version B	1117-U5

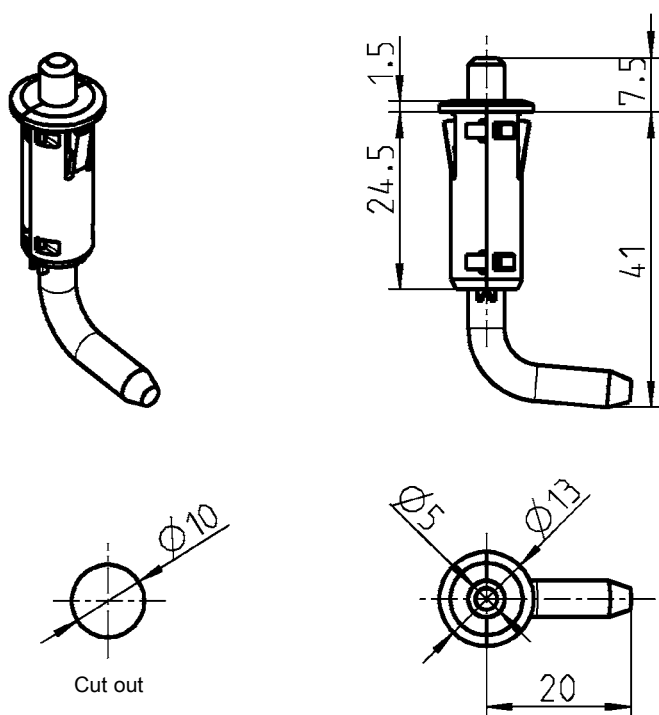
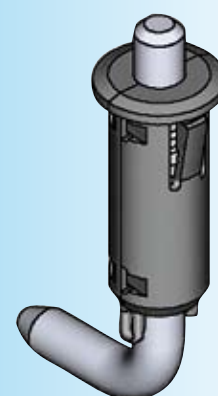
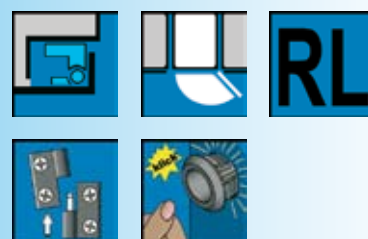
Pin hinge AISI 304, pin AISI 303, spring stainless steel

Version B right	1117-U4-PC	Version B left	1117-U5-PC
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Pin hinge PROGRAM 1117



Pictured transparent in the area of the hinge



Pin hinge, guide tube polyamide black, pin zinc die, spring material spring steel zinc pl.

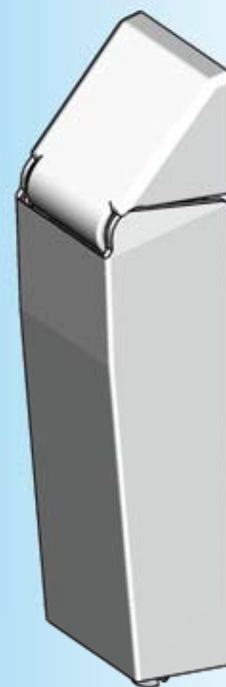
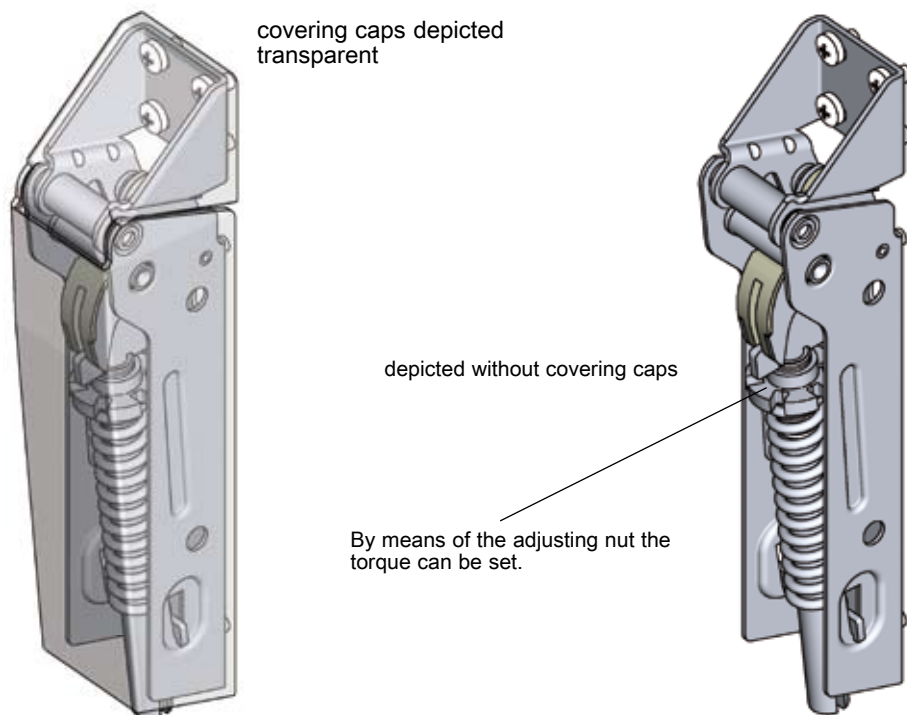
Ts = 1,0	1117-U6
Ts = 1.5	1117-U6-01
Ts = 2.0	1117-U6-02

Attention:
For use with small doors only.

E.g. counter- (energy, water) or toolboxes.

Notes:

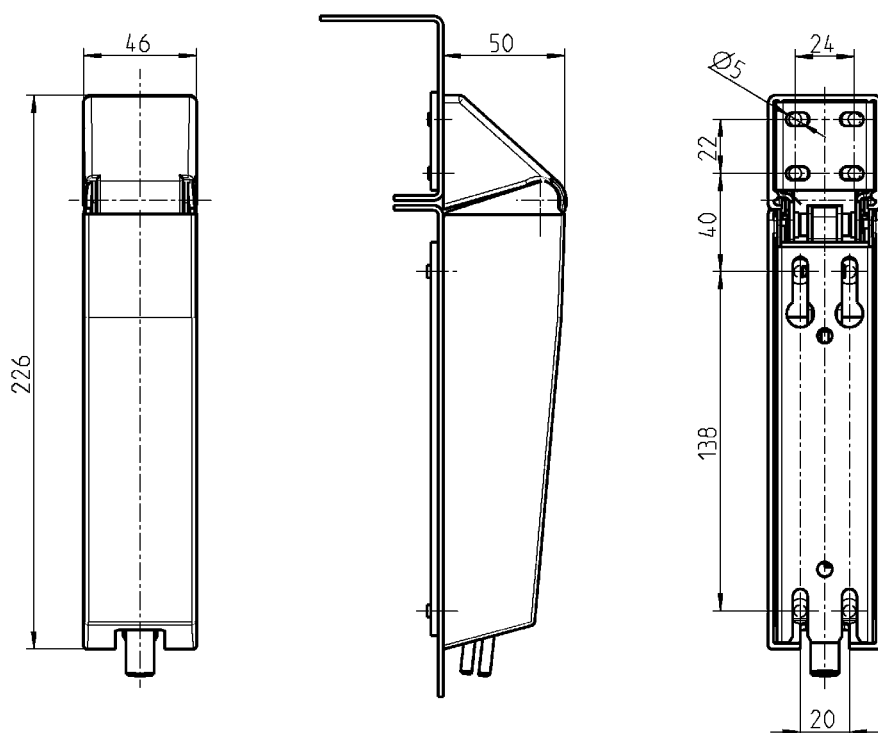
80° Counterbalancing spring loaded hinge PROGRAM 1715



Application area:
The spring loaded hinge can be used e.g. for freezers.

The covering caps can be put on after mounting the hinges.

*Lid weight with homogeneous distribution of weight



Spring loaded hinge m.s. zinc plated, knuckle polyamide, covering caps polystyrene white, with one or two springs

for a *lid weight in the range of 6 kg with 2 hinges	1715-U331
for a *lid weight in the range of 17 kg with 2 hinges	1715-U332
for a *lid weight in the range of 23 kg with 2 hinges	1715-U333