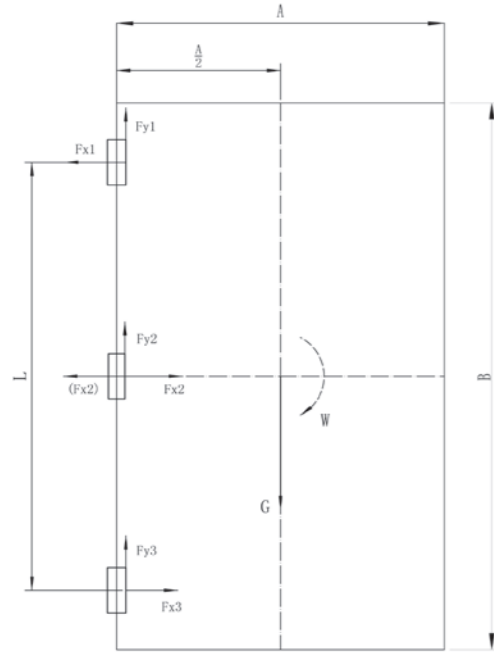


## HINGE SERIES

### Hinge calculation instructions



#### Hinge calculation formula:

No. of hinge=n, door width = A; door height = B; door weight = G; hinge installation distance = L

#### Axial force Fy analysis:

$F_y = G * 1/n$   
That is,  $F_{y1} + F_{y2} + F_{y3} = G$   $F_{y1} = F_{y2} = F_{y3} = G/n$

#### Radial force Fx analysis:

As pic shows,  $F_{x2}$  and center door weight G at the same height position,  
This horizontal force is not applied to the center hinge  $F = 0$ ;  
So:  $F_{x2} = 0$   
 $W = G * A/2 = L * F_x$   
 $F_x = F_{x1} = F_{x3}$   
 $F_{x1} = F_{x3} = G * A/2 L$

**Remark:** while Selection, every hinge can support bearing door weight; in static conditions, the selection can be based on catalog data;  
Above for the theoretical calculation formula;

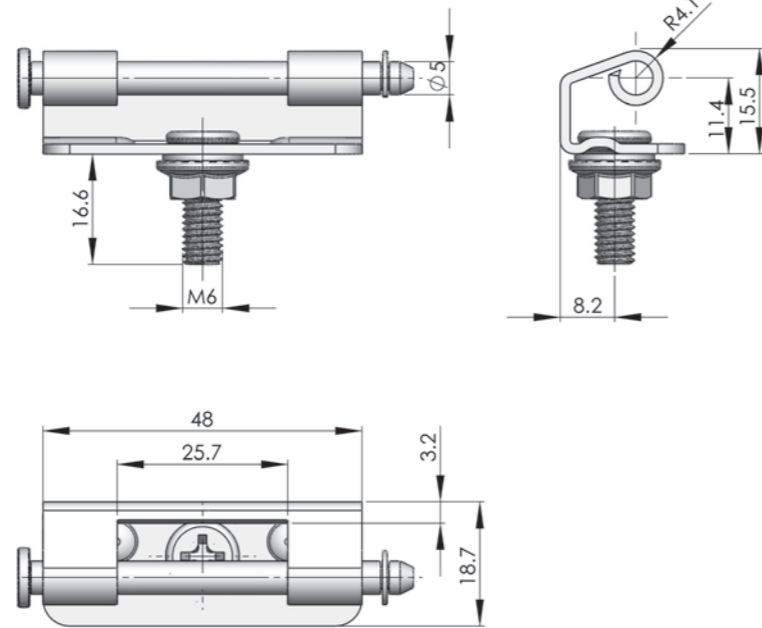
CL103	CL104	CL105	CL106	CL108	CL109	CL111-2	CL115	CL116	CL117	CL119
CL121	CL123	CL124	CL125	CL126	CL127	CL128	CL132	CL133	CL135	CL137
CL138	CL139	CL142	CL145	CL148	CL150	CL152	CL152-2	CL154	CL156	CL158
CL158-2	CL163	CL167	CL173	CL178	CL201-1	CL202-1	CL203-1	CL203-2	CL203-4	CL204-1
CL204-3	CL204-3S	CL204-3F	CL205-1	CL206-1	CL207	CL208	CL210	CL209	CL211	CL212
CL213-1	CL214	CL215	CL218	CL219	CL220	CL221	CL222	CL223	CL225-3	CL225-5
CL226	CL226-1K	CL226-8	CL228	CL229-2A	CL230	CL231-1	CL232	CL233	CL234	CL235
CL237	CL237-3	CL238	CL240-1	CL244	CL246	CL247	CL248	CL249	CL250-1	CL250-6
CL251	CL253-1	CL253-2	CL253-5	CL253-6	CL253-9	CL253-10	CL254	CL257	CL260	CL261
CL263	CL264	CL266	CL268	CL269	CL272	CL273	CL274	CL275-1	CL276	CL280
CL281	CL282-1	CL283	CL289	CL290	CL293	CL295	CL296	CL297	CL331	CL332

**CL103**



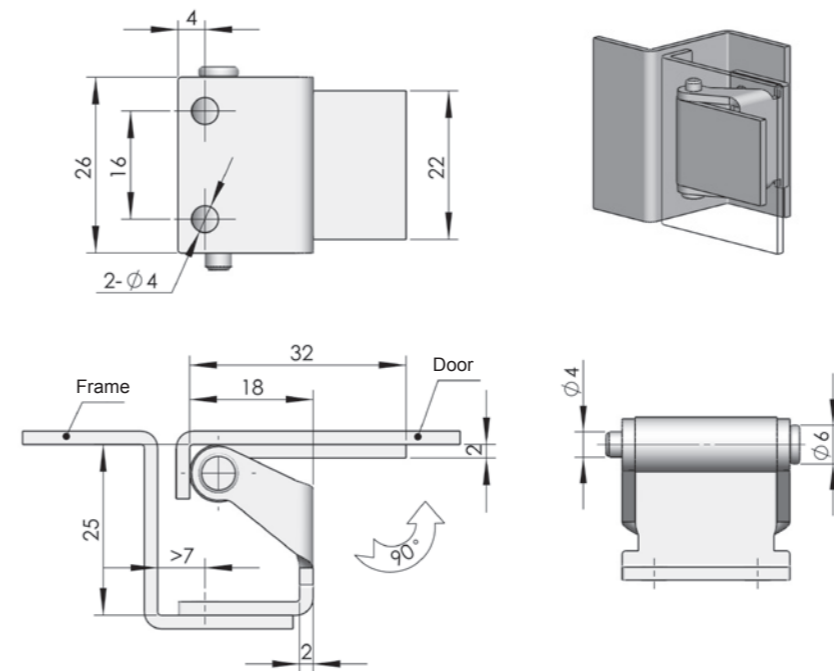
**Main material:** steel hinge and pin  
**Finish:** yellow zinc plated

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 310N  
**Axial load:** 155N



ERP

CL103F3C001



ERP

CL105F3D001

**CL105**



**Main material and finish:** 3+ zinc plated steel hinge and pin  
**Application:** Opening angle 180°

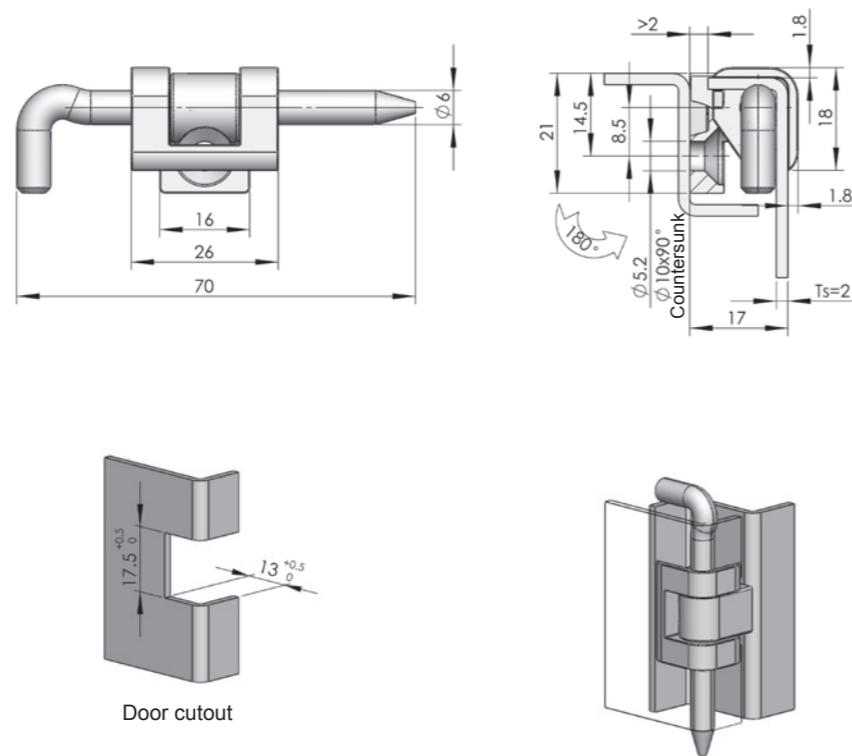
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 60N  
**Axial load:** 120N

**CL104**



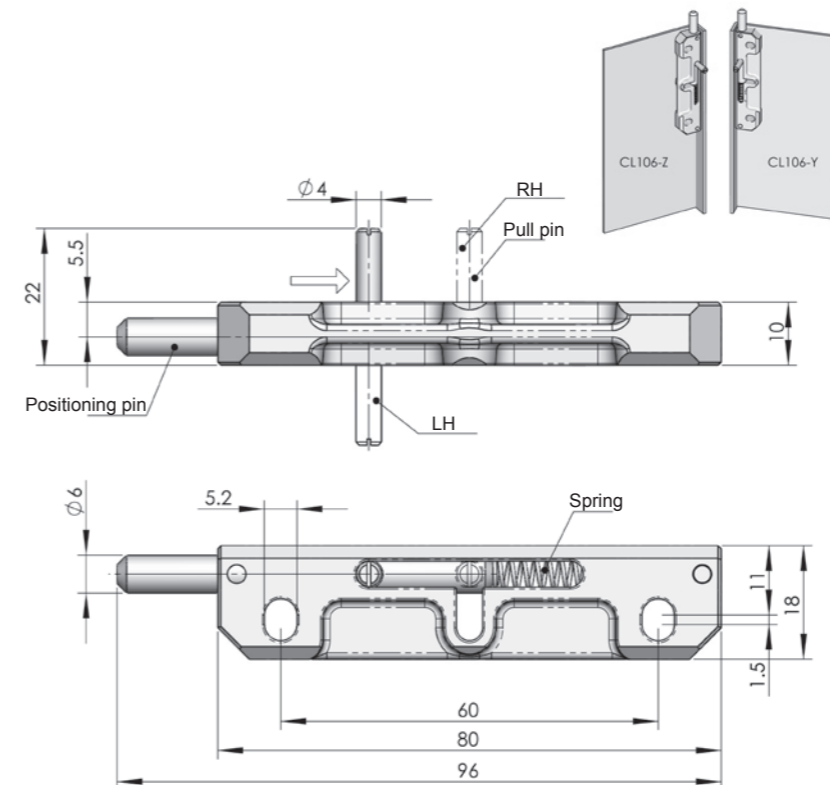
**Main material and finish:** Black powder coated ZDC hinge and stainless steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 405N  
**Axial load:** 805N



ERP

CL104Z1A001



ERP

CL106Z3I001

**CL106**



**Main material and finish:** Sand-spraying and nickel plated ZDC hinge, stainless steel shaft and spring  
**Application:** By changing the direction of pin to realise the shift between LH and RH

**Performance parameter:**  
**Maximum static load**  
**Radial load:** /N  
**Axial load:** 645N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

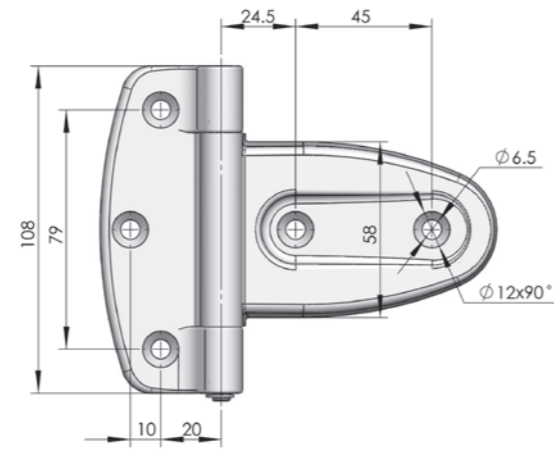
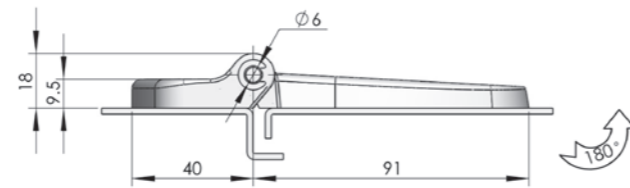
Seal gasket

**CL108**



**Main material and finish:** Black PA hinge, and nickel plated stainless steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 800N  
**Axial load:** 600N



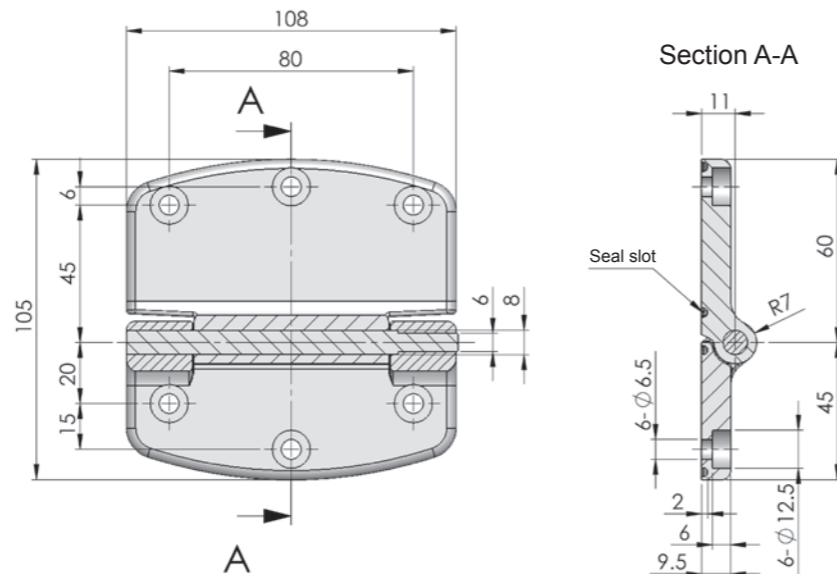
ERP CL108N00001

**CL108-2**



**Main material:** steel hinge  
**Finish:** black powder coated  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 3000N  
**Axial load:** 3000N



ERP CL108F1A001

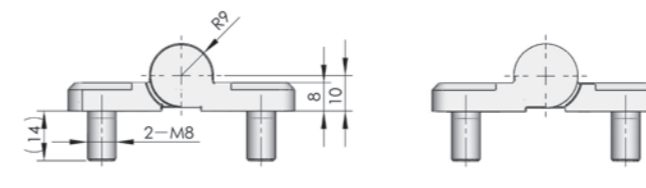
**CL109**



**Main material and finish:** Black powder coated ZDC hinge and stainless steel screw

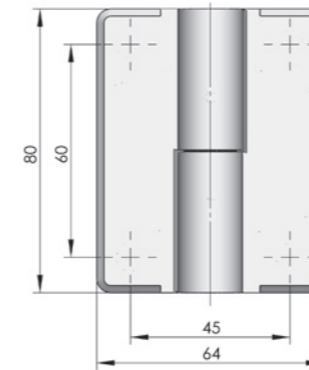
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 2500N  
**Axial load:** 2500N



CL109-R Right

CL109-L Left



ERP

CL109-Z Left hinge

CL109Z1A002

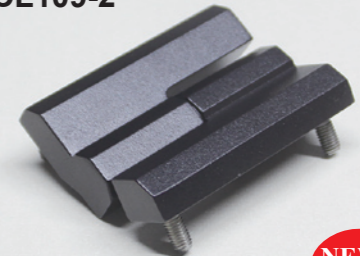
CL109-Y Right hinge

CL109Z1A001

LH

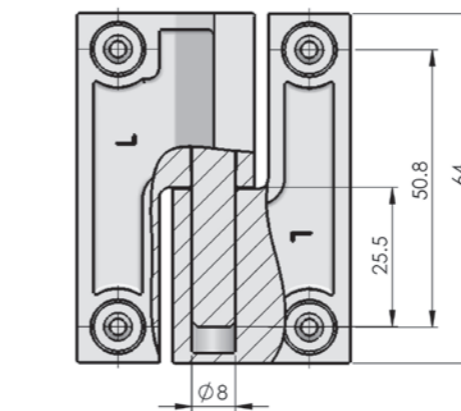
RH

**CL109-2**



**Main material:** ZDC hinge, stainless steel pin, PTFE gasket  
**Finish:** black powder coated

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1800N  
**Axial load:** 1600N



ERP

CL109Z1B001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

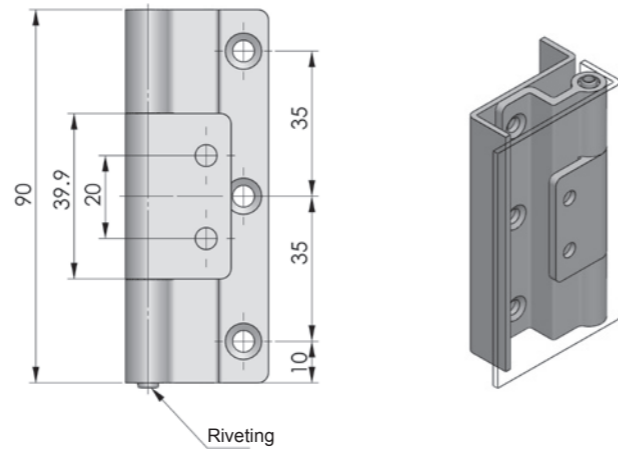
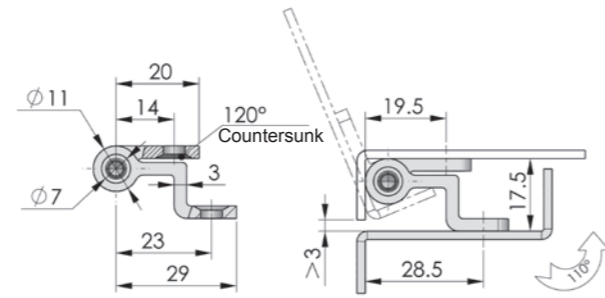


CL111

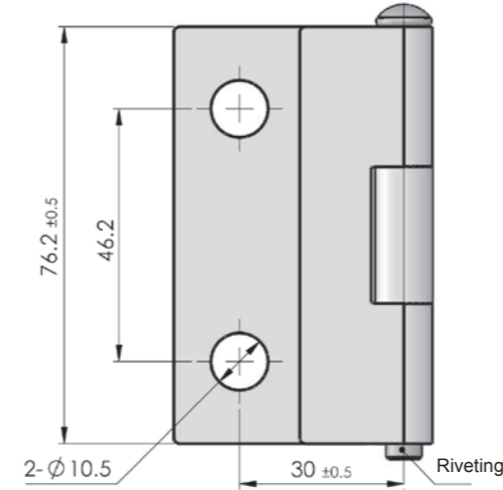
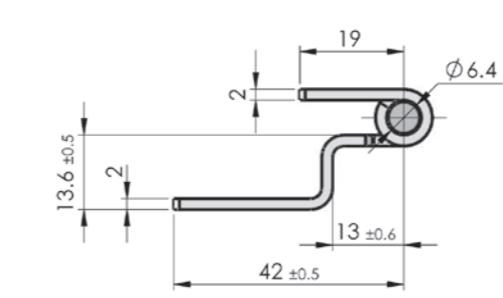


**Main material and finish:** 3+ zinc plated ZDC hinge and stainless steel pin  
**Application:** When the gap between door and frame is 3mm, opening angle 110°

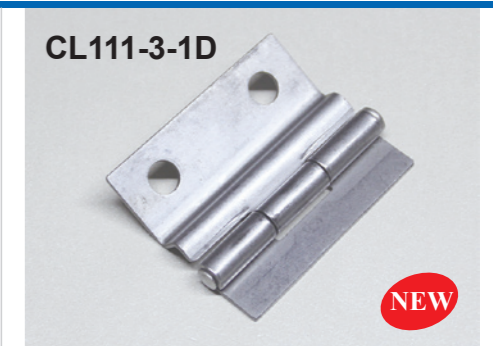
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 775N  
**Axial load:** 1000N



ERP CL111Z3D001



ERP CL111F00004



CL111-3-1D



**Main material and finish:** steel hinge, stainless steel pin  
**Application:** opening angle 180°  
**Finish:** soak anti-rust oil

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 450N  
**Axial load:** 2000N

NEW

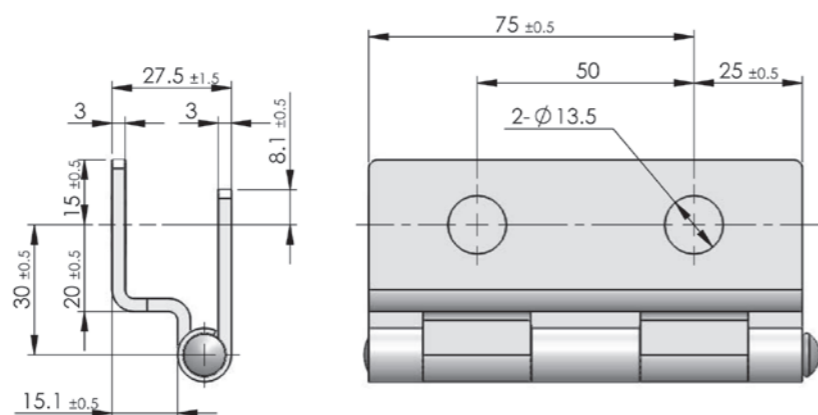


CL111-2

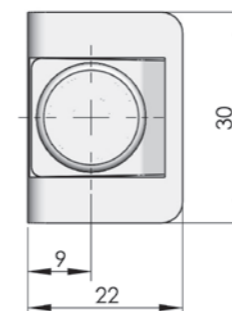
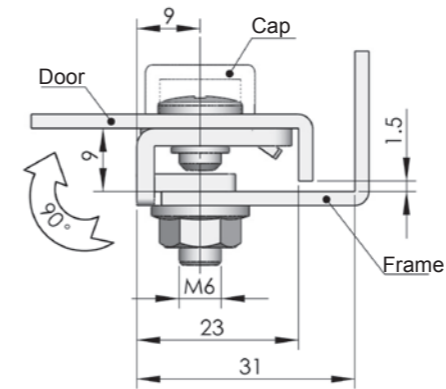


**Main material and finish:** steel hinge, stainless steel pin  
**Application:** opening angle 180°  
**Finish:** soak anti-rust oil

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 2000N



ERP CL111F00001



ERP CL114F3D001



CL114



**Main material and finish:** 3+ zinc plated steel hinge  
**Application:** Opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 110N  
**Axial load:** 105N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL115**



**Main material and finish:** Mirror polishing stainless steel hinge

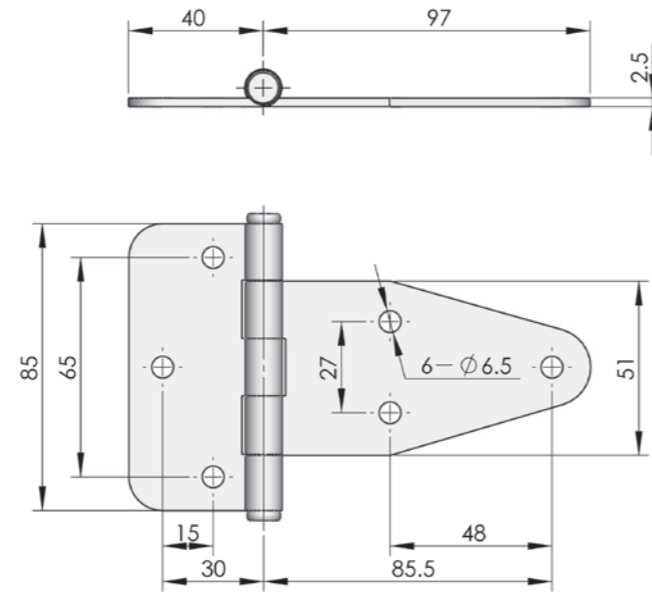
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 530N

**Axial load:** 800N



ERP CL115S4A001

**CL116**



**Main material and finish:** Black powder coated ZDC hinge and steel shaft

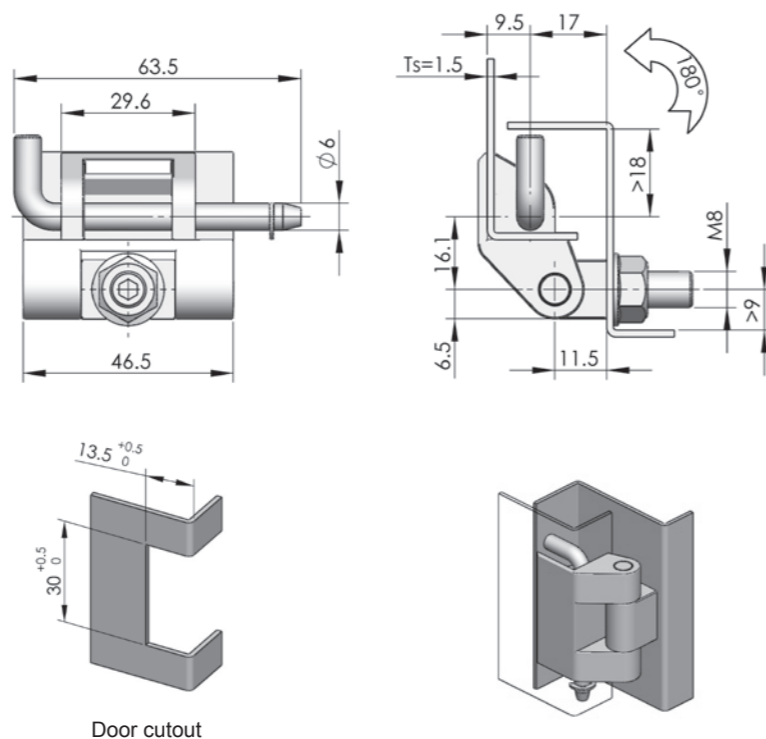
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

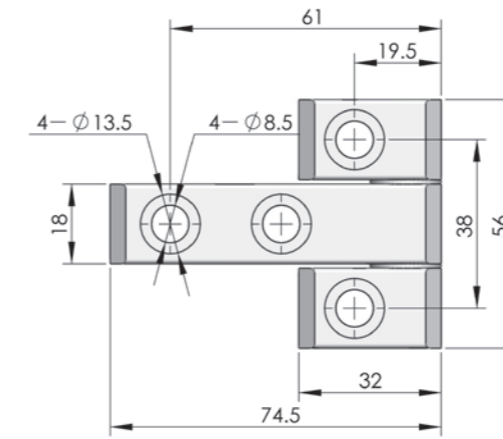
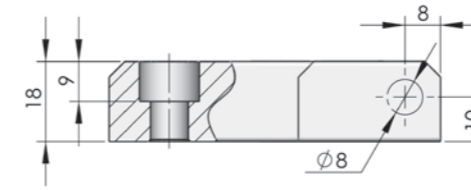
**Radial load:** 1000N

**Axial load:** 450N



Door cutout

ERP CL116Z1A001



ERP CL117F3D001

**CL117**



**Main material and finish:** White zinc-plated steel hinge and shaft

**Performance parameter:**

**Maximum static load**

**Radial load:** 3000N

**Axial load:** 3000N

**CL119**



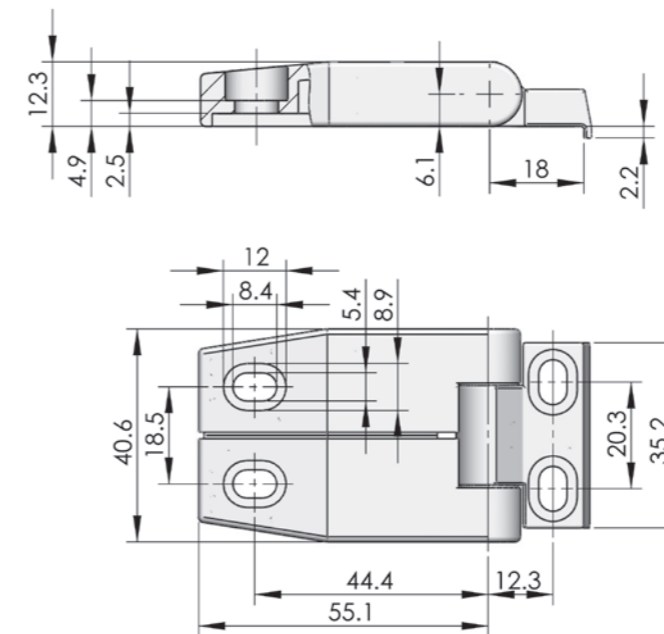
**Main material and finish:** Black powder coated ZDC hinge and nickel-plated steel shaft

**Performance parameter:**

**Maximum static load**

**Radial load:** 280N

**Axial load:** 930N



ERP CL119Z1B001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

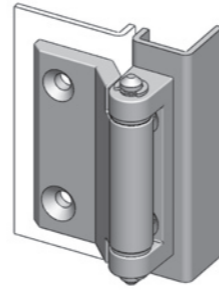
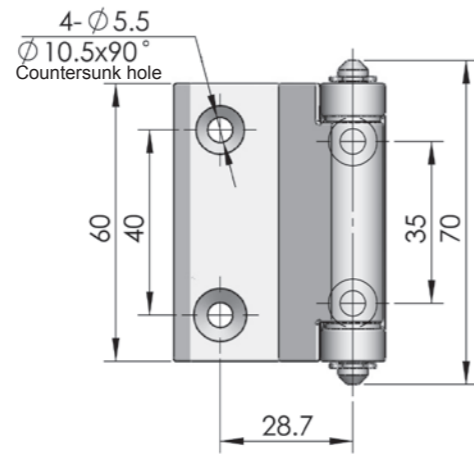
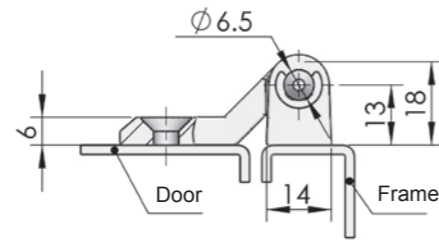
**CL121**



**Main material and finish:** Black powder coated ZDC hinge and 3+ zinc plated steel pin

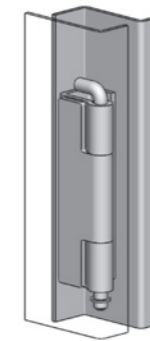
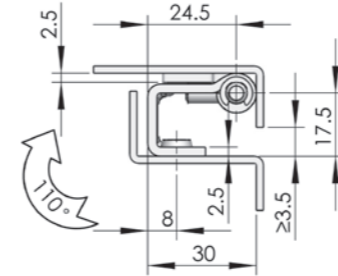
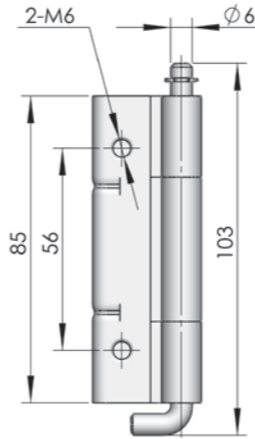
**Performance parameter:**

**Maximum static load**  
**Radial load:** 980N  
**Axial load:** 1500N



ERP

CL121Z1A001



ERP

CL125F3D001

**CL125**



**Main material and finish:** White zinc-plated steel hinge and pin

**Application:** Opening angle 110°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 450N  
**Axial load:** 850N

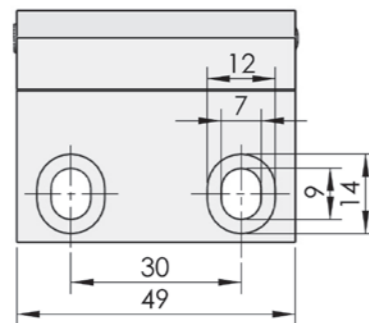
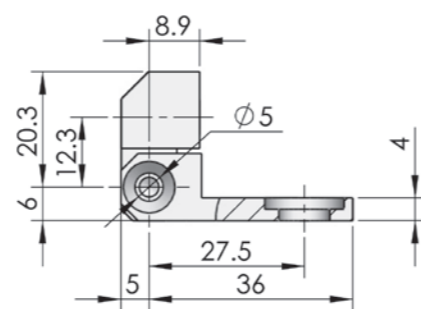
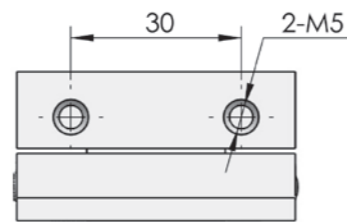
**CL123**



**Main material and finish:** Black powder coated aluminum alloy hinge and nickel-plated steel shaft

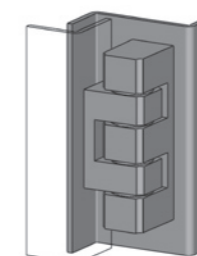
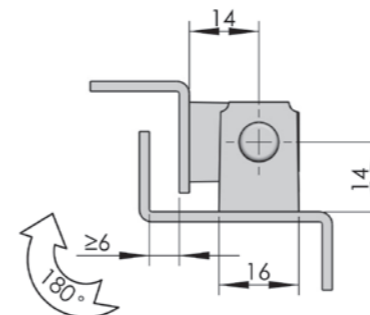
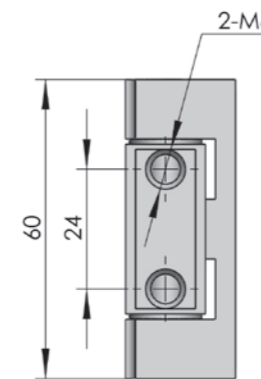
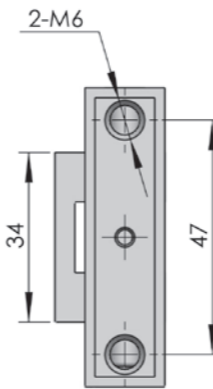
**Performance parameter:**

**Maximum static load**  
**Radial load:** 1200N  
**Axial load:** 1500N



ERP

CL123A1A001



ERP

CL126F3A001

**CL126**



**Main material and finish:** Bright chrome-plated ZDC hinge and nickel-plated steel shaft

**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 1290N  
**Axial load:** 1600N

Hinge

Seal gasket

Hinge

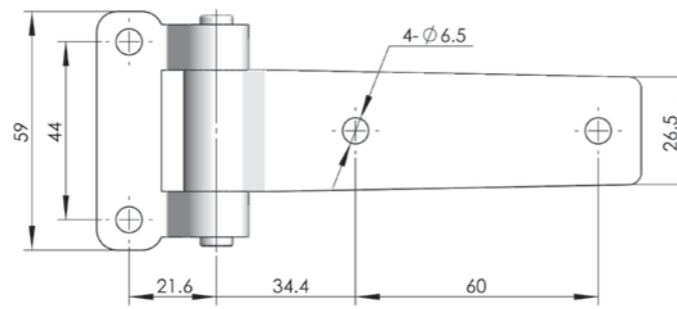
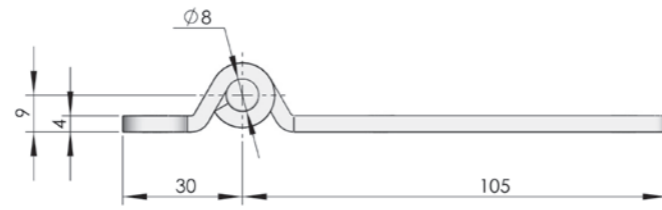
Seal gasket

CL127-1  
CL127-2



**Main material and finish:** Mirror polishing stainless steel hinge and pin  
**Application:** Opening angle 180°

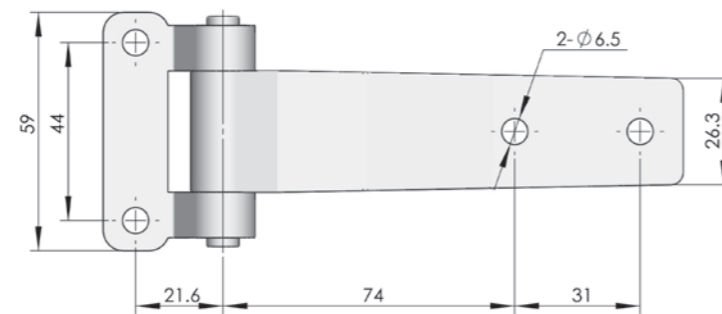
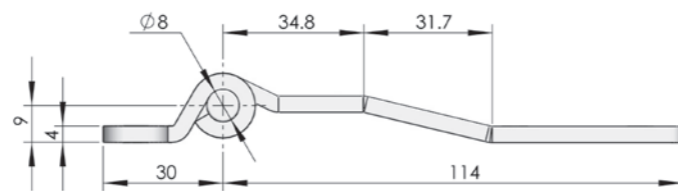
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 3145N  
**Axial load:** 3000N



CL127-1

ERP

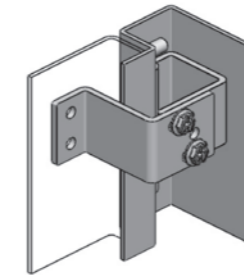
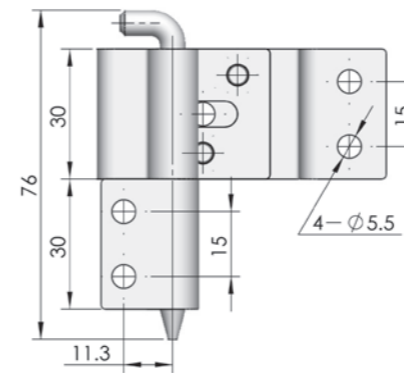
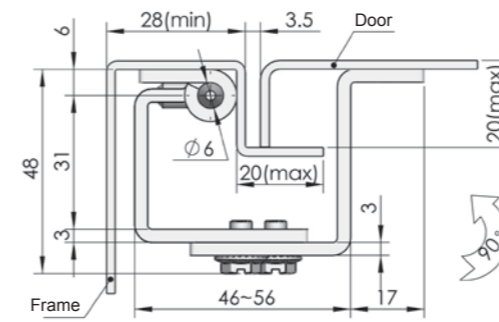
CL127S4A002



CL127-2

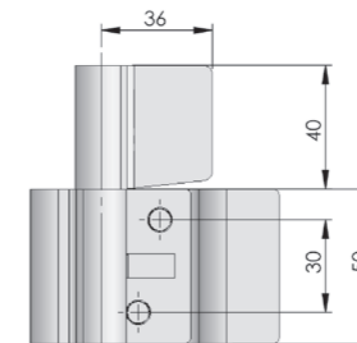
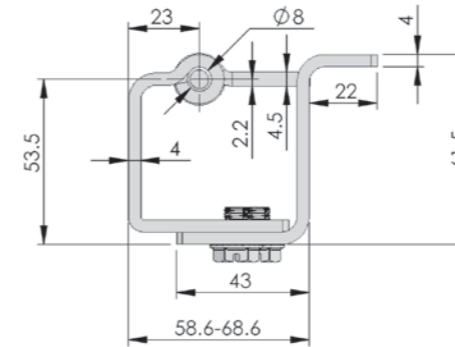
ERP

CL127S4A003



ERP

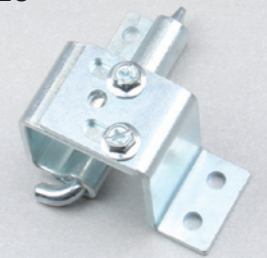
CL128F3D001



ERP

CL128F3D004

CL128



**Main material and finish:** 3+ zinc plated steel hinge and pin  
**Application:** Opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 160N  
**Axial load:** 140N

CL128-2



**Main material and finish:** 3+ zinc plated steel hinge and pin

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 375N  
**Axial load:** 305N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

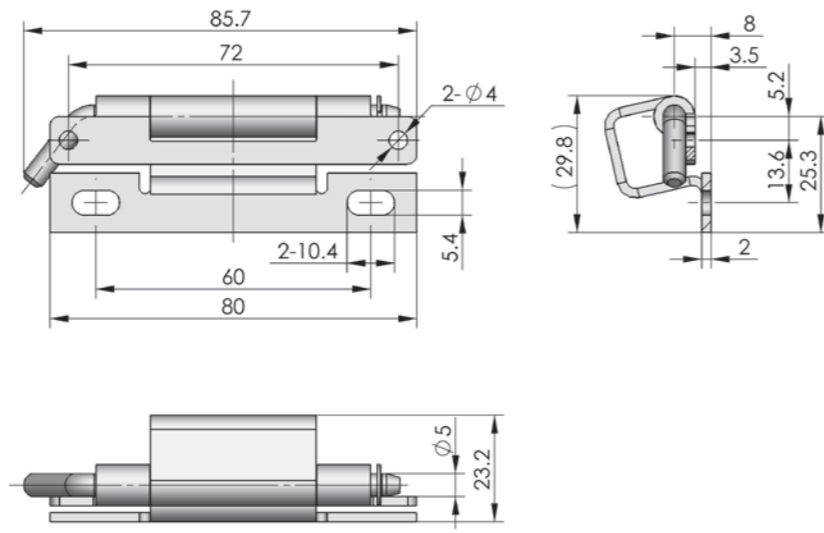


**CL129**



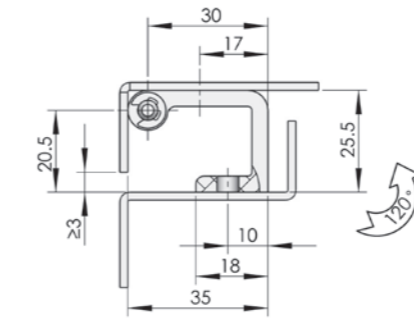
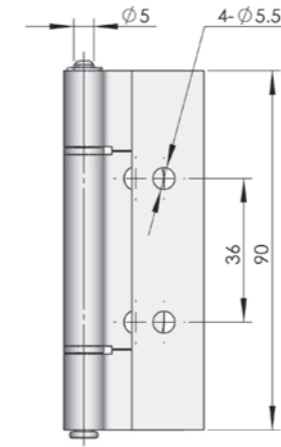
**Main material:** steel  
**Finish:** zinc plated

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 180N  
**Axial load:** 250N



ERP

CL129F3D001



ERP

CL132A4D001



**CL132**



**Main material and finish:** Sand-spraying aluminum alloy hinge, stainless steel pin  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 800N  
**Axial load:** 425N

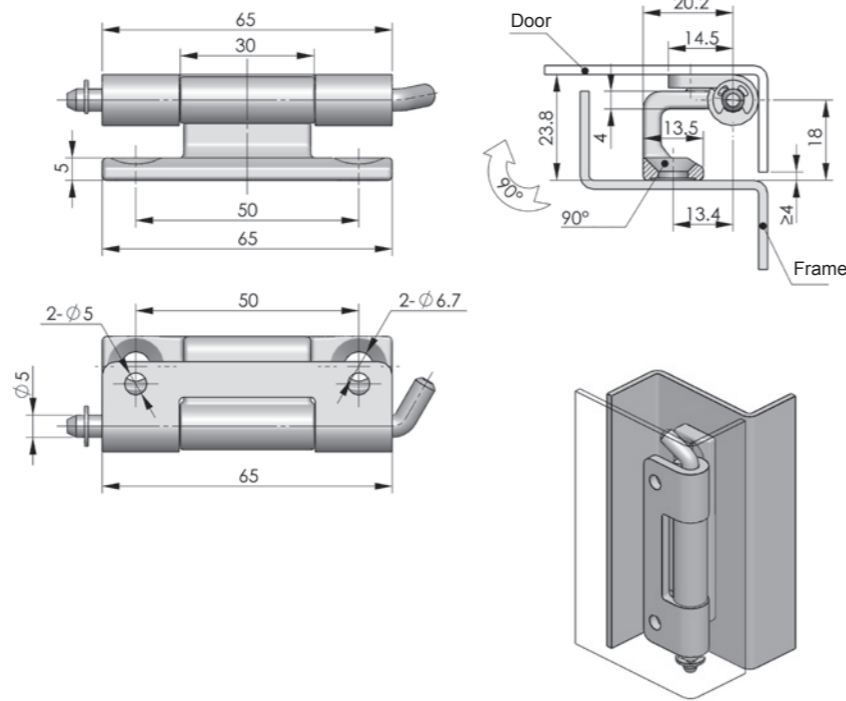


**CL130-2**



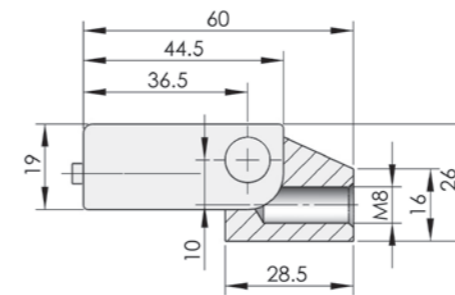
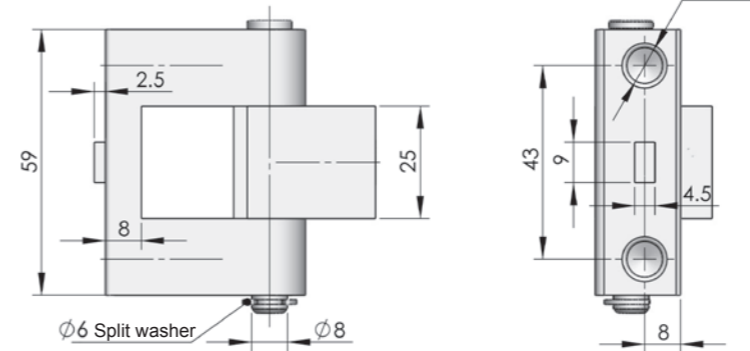
**Main material and finish:** 3+ zinc plated steel hinge and pin  
**Application:** When the gap between door and frame is 2mm, opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1125N  
**Axial load:** 1320N



ERP

CL130F3D001



ERP

CL133F3D001



**CL133**



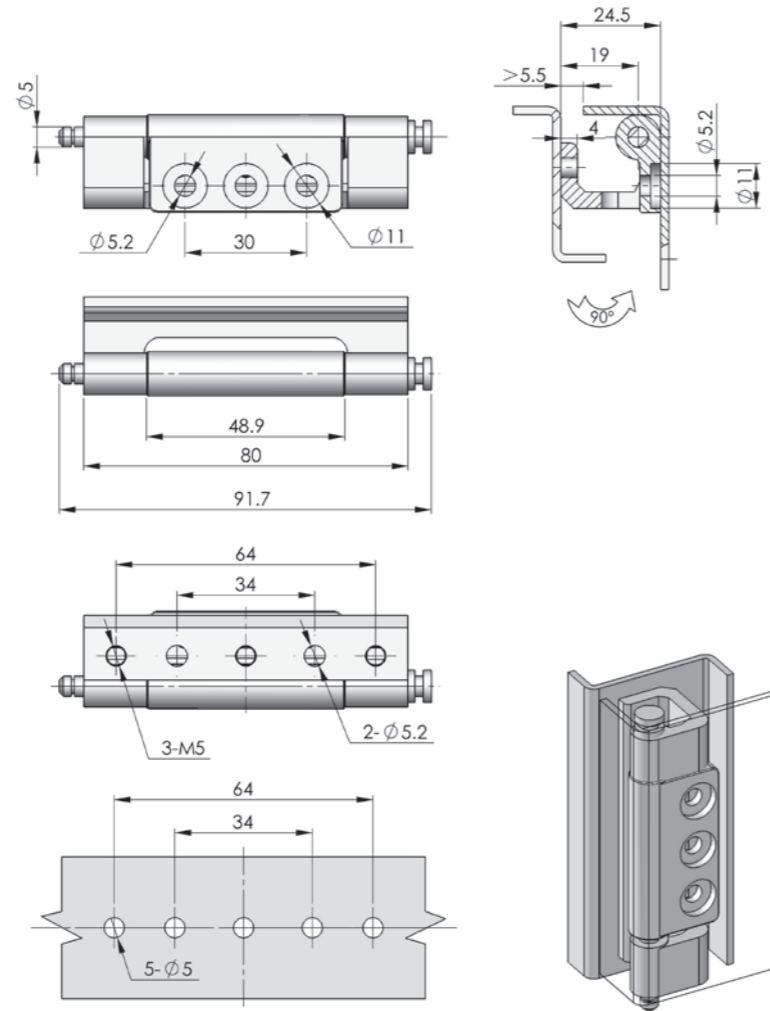
**Main material and finish:** White zinc-plated steel hinge leaf and shaft  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1450N  
**Axial load:** 2000N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket



**CL132-2**

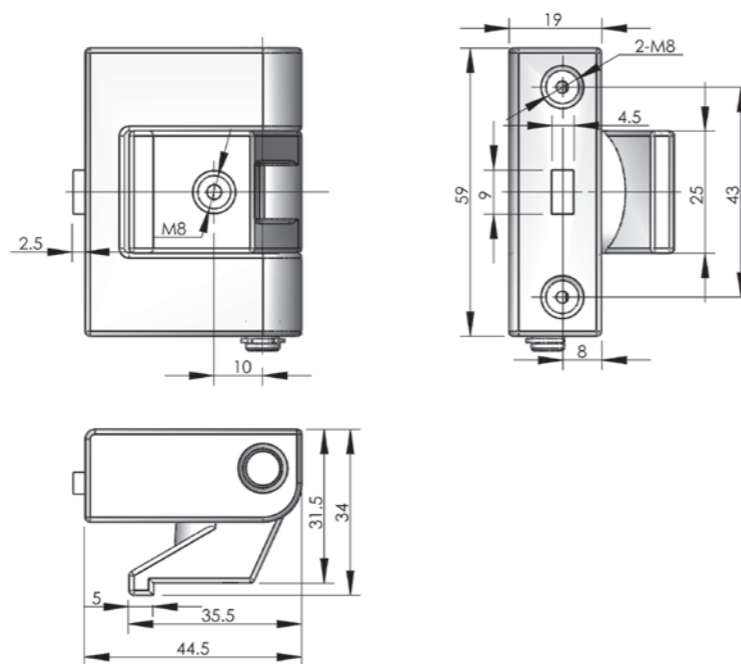


ERP CL132S9C001

**Main material and finish:** Electrolytic stainless steel hinge  
**Application:** Opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 465N  
**Axial load:** 650N

**CL133-2**

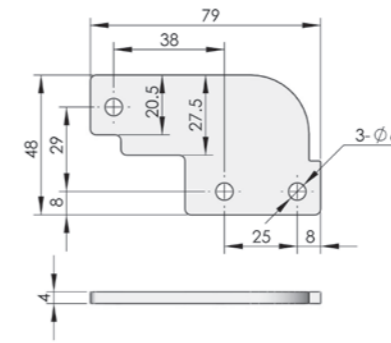


ERP CL133Z3C001

**Main material and finish:** Color zinc-plated ZDC hinge and pin  
**Application:** Opening angle 115°

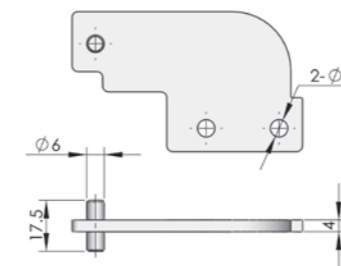
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1000N  
**Axial load:** 720N

**CL135-1**



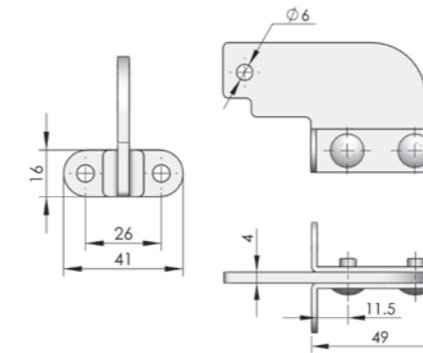
ERP CL135F2A001

**CL135-2**



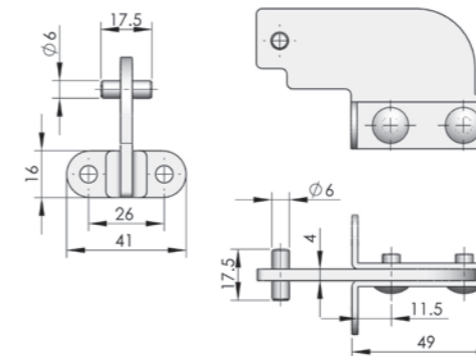
ERP CL135F2A002

**CL135-3**



ERP CL135F2A003

**CL135-4**



ERP CL135F2A004

**CL135**



**Main material and finish:** Black painted steel hinge

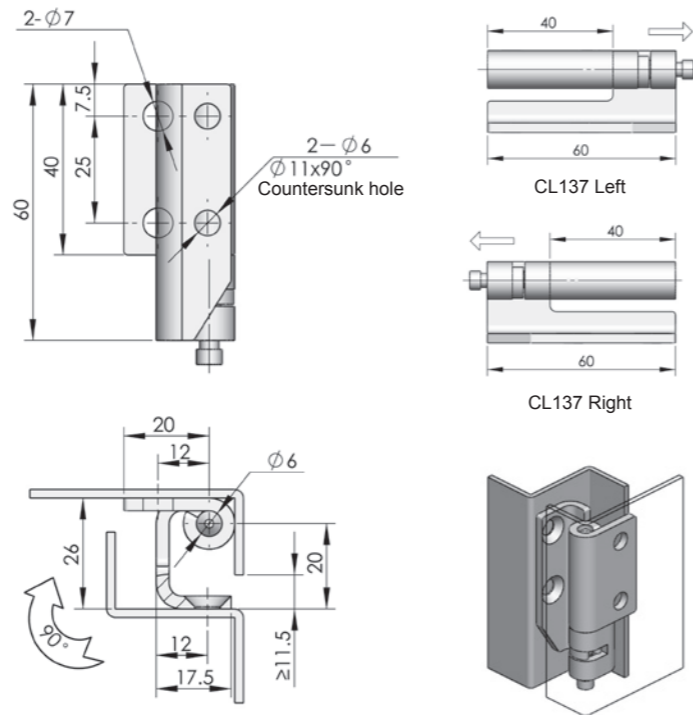
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL137**

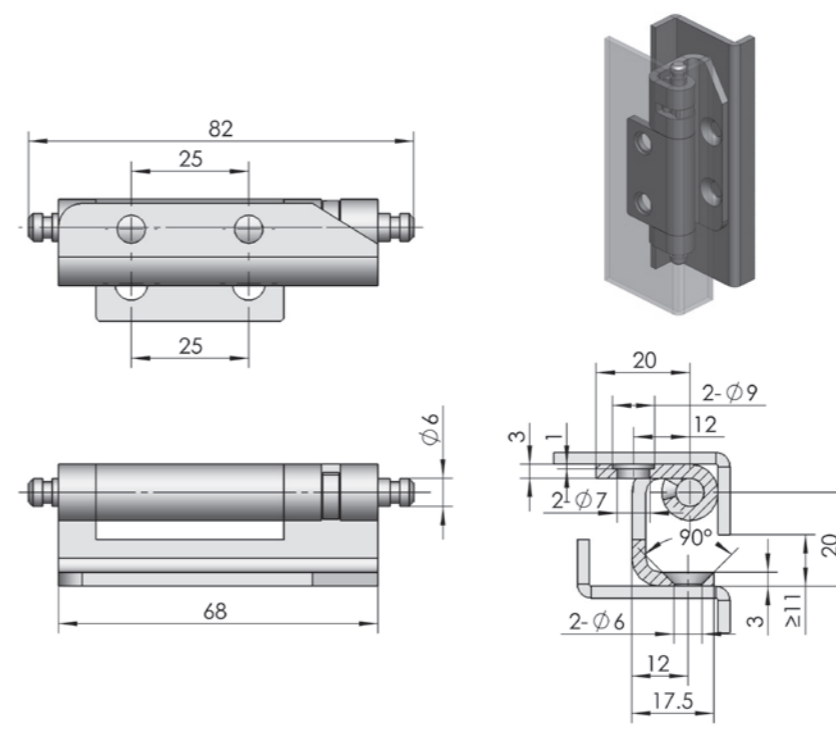


**Main material and finish:** White zinc-plated steel hinge and pin  
**Application:** Opening angle 135°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 520N  
**Axial load:** 375N



	<b>CL137-Z Left hinge</b>	<b>CL137-Y Right hinge</b>
<b>ERP</b>	CL137F3D001	CL137F3D002



	<b>CL138-3-Z</b>	<b>CL138-3-Y</b>
<b>ERP</b>	CL138F3D004	CL138F3D005

**CL138-3**



**Main material and finish:** Trivalent 3+ zinc plated steel hinge and pin  
**Application:** Opening angle 90°

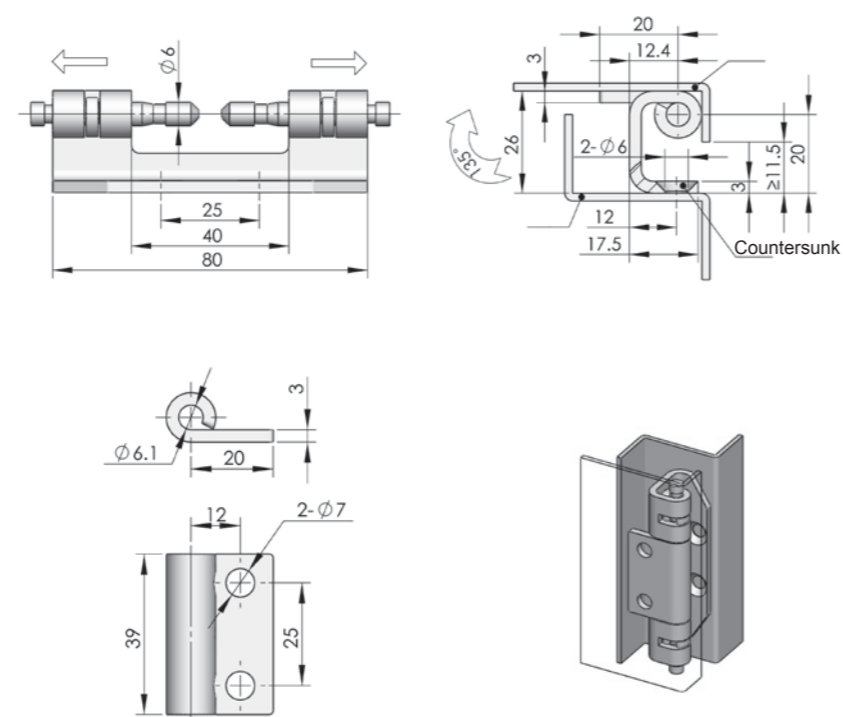
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 385N  
**Axial load:** 600N

**CL138**

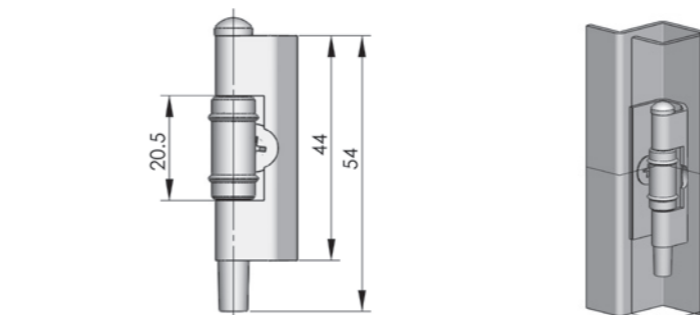
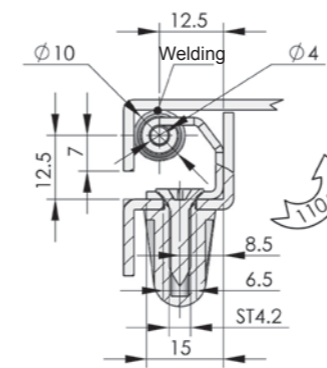


**Main material and finish:** 3+ zinc plated steel hinge and pin  
**Application:** Opening angle 135°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 690N  
**Axial load:** 630N



<b>ERP</b>	CL138F3D001
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<b>ERP</b>	CL139F3D001
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**CL139**



**Main material and finish:** 3+ zinc plated steel hinge and pin  
**Application:** Opening angle 135°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 215N  
**Axial load:** 195N

Hinge

Seal gasket

Hinge

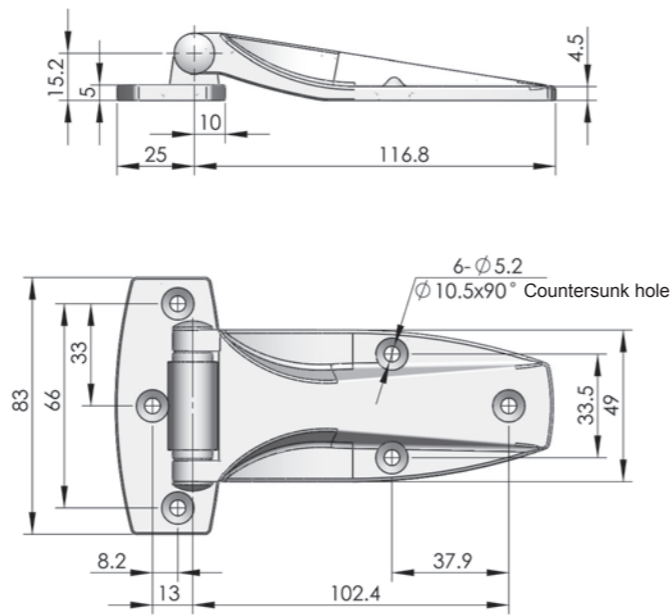
Seal gasket

**CL142**



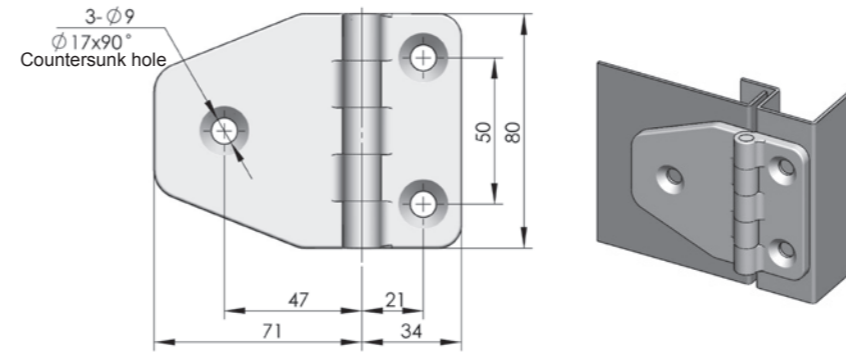
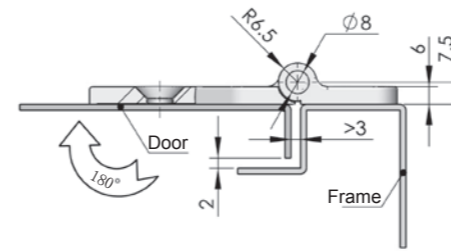
**Main material and finish:** Mirror polishing stainless steel hinge  
**Application:** Opening angle 135°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 2170N  
**Axial load:** 3000N



ERP

CL142S4A001



ERP

CL148N00001

**CL148**



**Main material and finish:** White zinc-plated steel shaft, PA (black) hinge leaf  
**Application:** Opening angle 180°

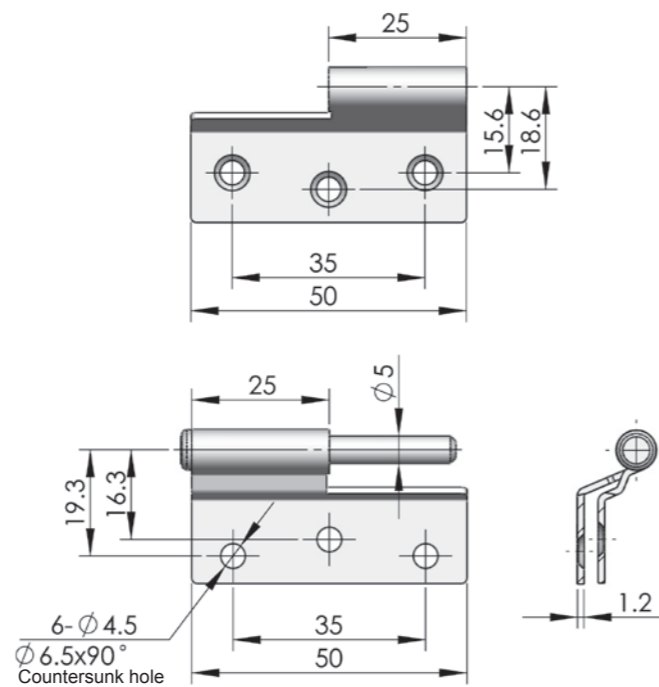
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 220N  
**Axial load:** 450N

**CL145**



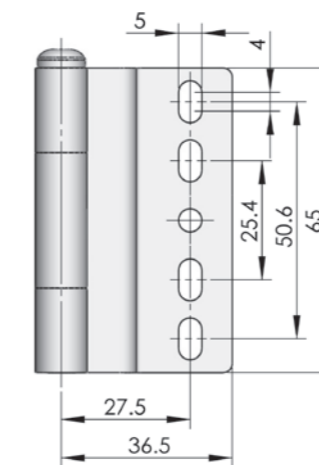
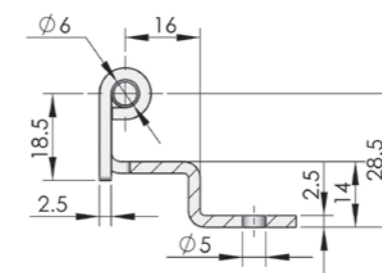
**Main material and finish:** White zinc-plated steel hinge leaf and shaft

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 193N  
**Axial load:** 455N



ERP

CL145F3D001



ERP

CL150F3D001

**CL150**



**Main material and finish:** 3+ zinc plated steel hinge and shaft

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 495N  
**Axial load:** 545N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

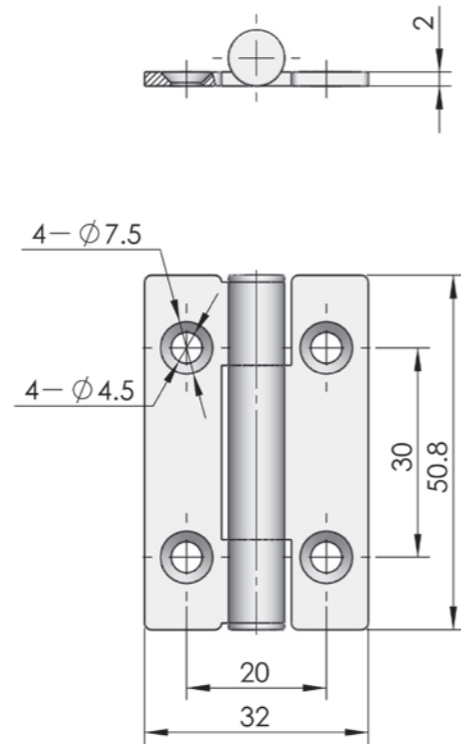
Seal gasket

**CL152**



**Main material and finish:** Electrolytic stainless steel hinge and pin  
**Application:** Opening angle 180°

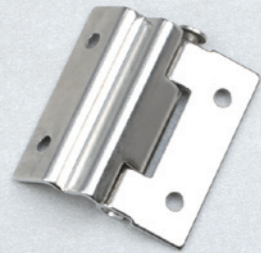
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 620N  
**Axial load:** 1170N



ERP

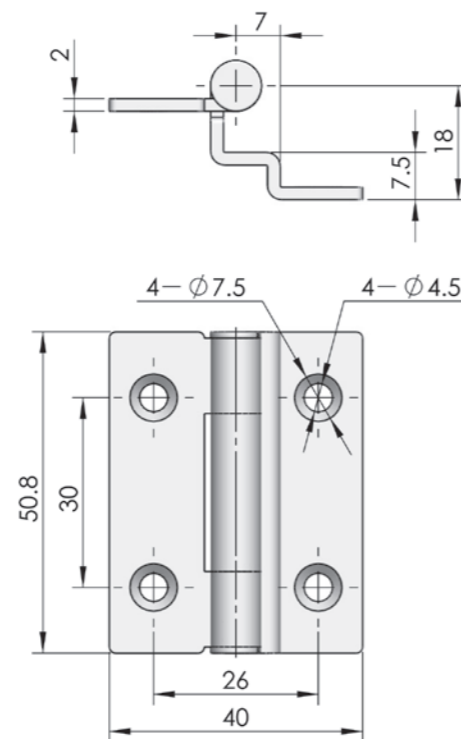
CL152S9C001

**CL152-2**



**Main material and finish:** Electrolytic stainless steel hinge and shaft  
**Application:** Opening angle 180°

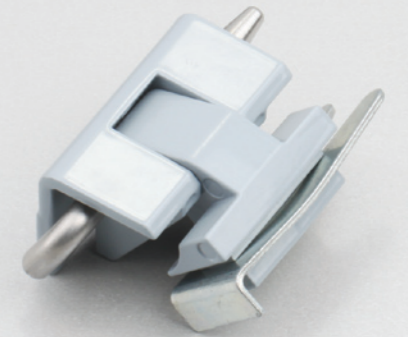
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 620N  
**Axial load:** 1170N



ERP

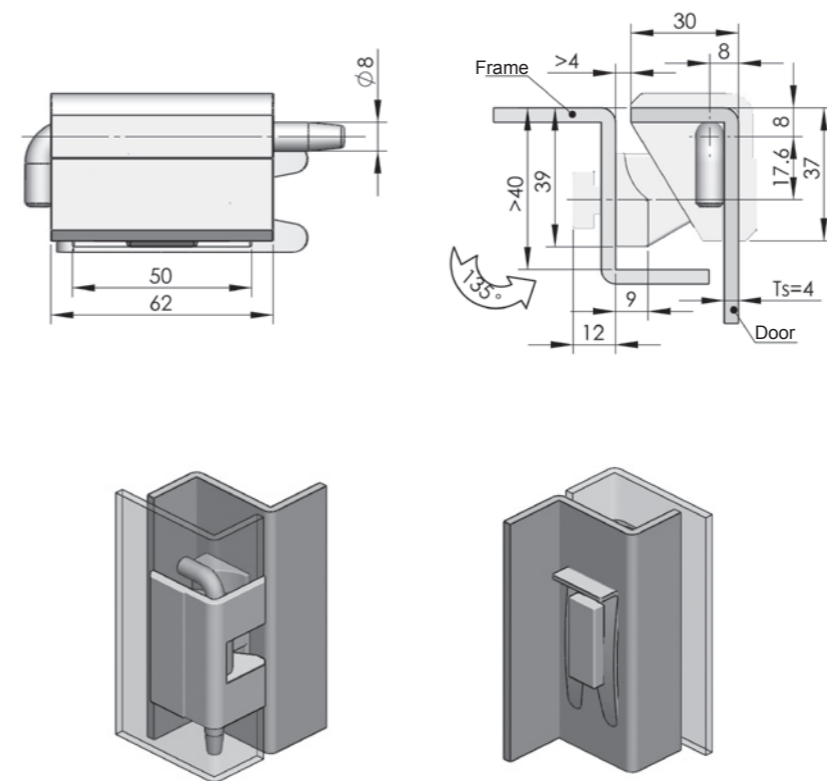
CL152S9C002

**CL154**

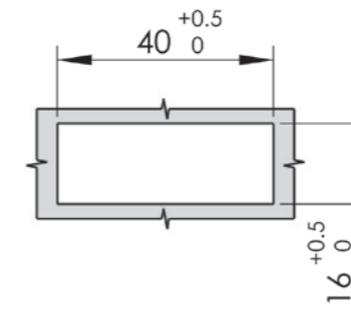


**Main material and finish:** Blue-gray (RAL 7012) powder coated ZDC hinge and stainless steel shaft  
**Application:** Opening angle 135°

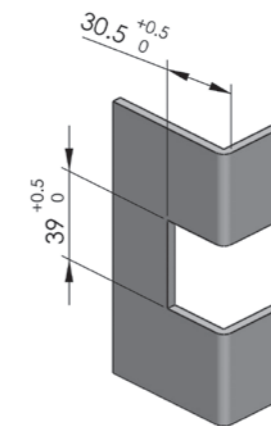
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 2500N  
**Axial load:** 2200N



**Frame cutout**



**Door cutout**



ERP

CL154ZXX001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

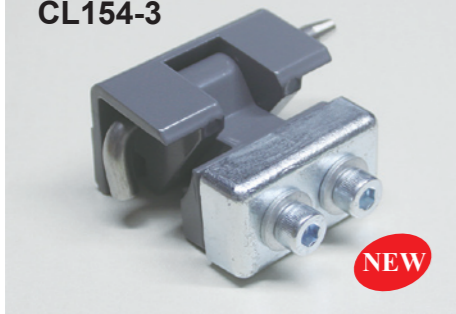
Door stop

Hinge

Seal gasket

Seal gasket

**CL154-3**

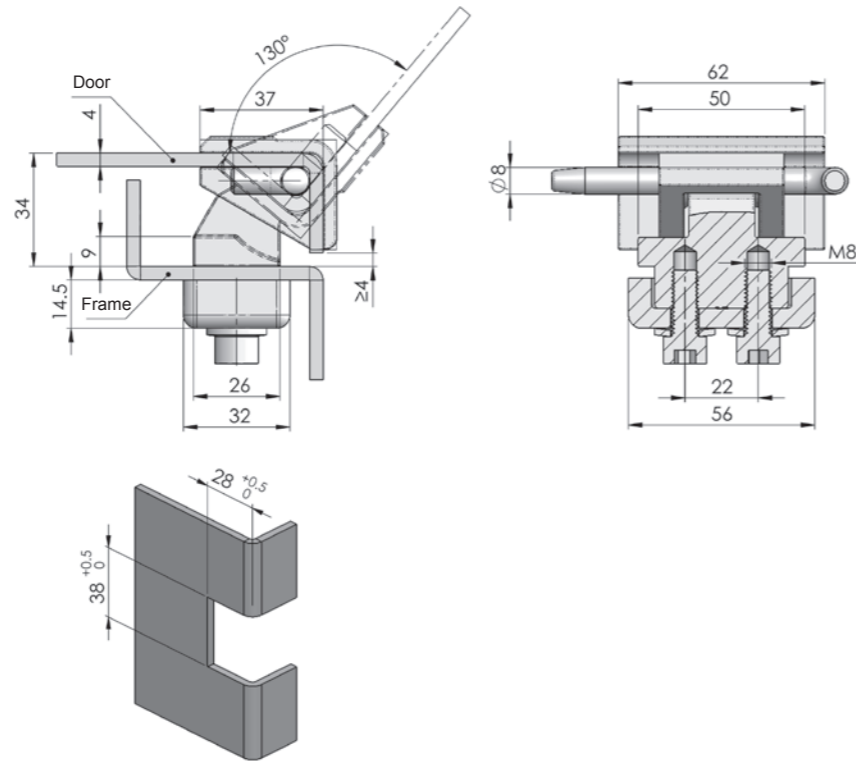


NEW



**Main material:** ZDC hinge, stainless steel pin, steel board  
**Finish:** RAL7012 powder coated  
**Application:** Opening angle 130°

**Performance parameter:**  
Maximum static load  
Radial load: 2000N  
Axial load: 2000N



ERP

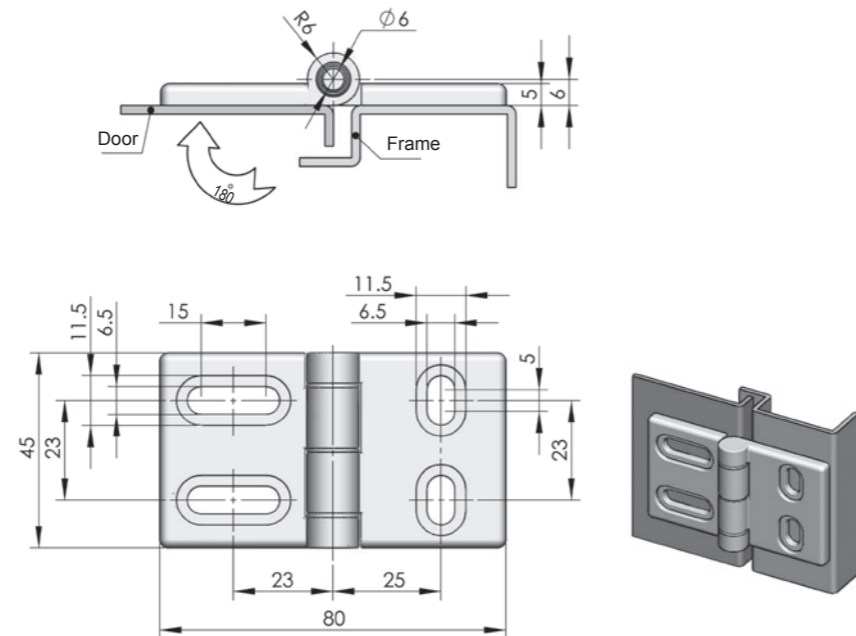
CL154Z1D002

**CL156**



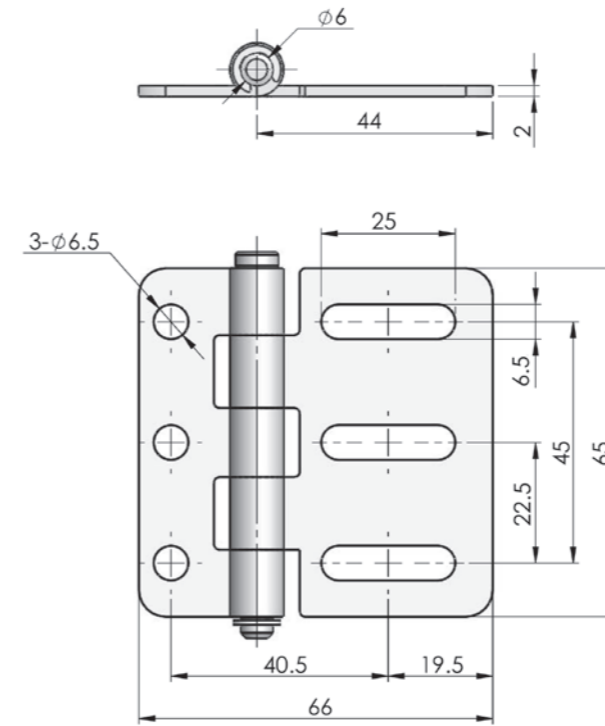
**Main material and finish:** Sand-spraying aluminum alloy hinge, stainless steel shaft  
**Application:** Opening angle 180°

**Performance parameter:**  
Maximum static load  
Radial load: 620N  
Axial load: 365N



ERP

CL156A4D001



ERP

CL156S4A001

**CL156-2**



**Main material:** stainless steel 304  
**Finish:** mirror polishing  
**Application:** Opening angle 90°  
**Type:** exposed hinge

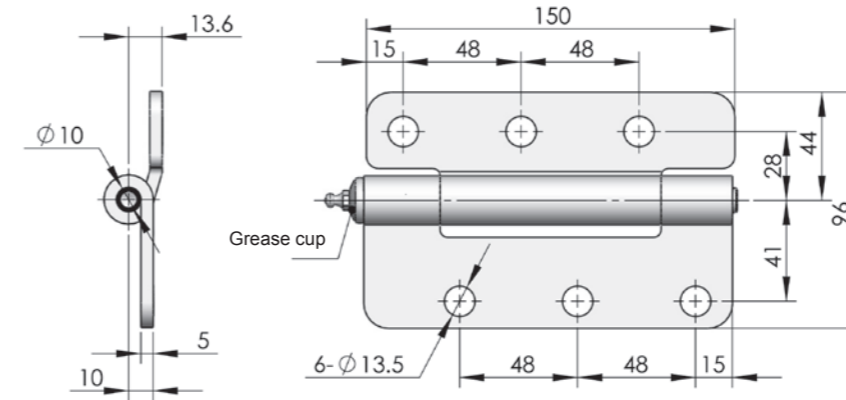
**Performance parameter:**  
Maximum static load  
Radial load: 350N  
Axial load: 450N

**CL158**



**Main material and finish:** White zinc-plated steel hinge leaf and shaft

**Performance parameter:**  
Maximum static load  
Radial load: 3000N  
Axial load: 2500N



ERP

CL158F3D001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop



Hinge

Seal gasket

Seal gasket

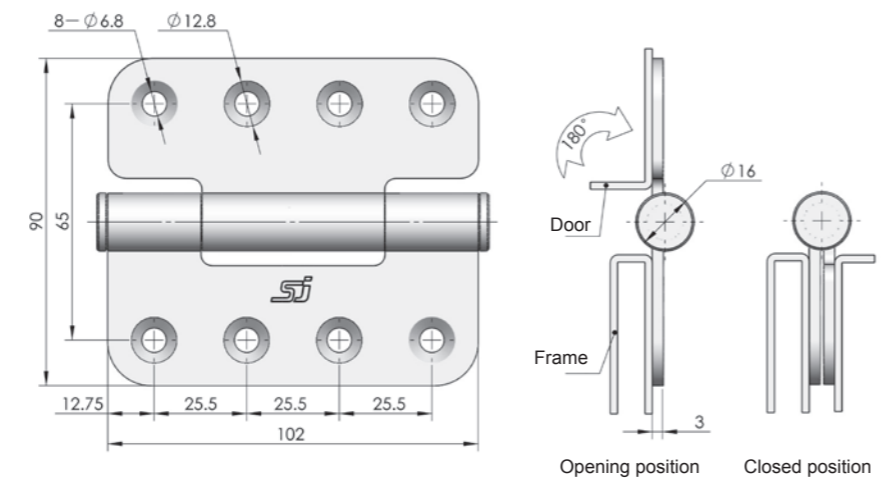
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock

**CL158-2**

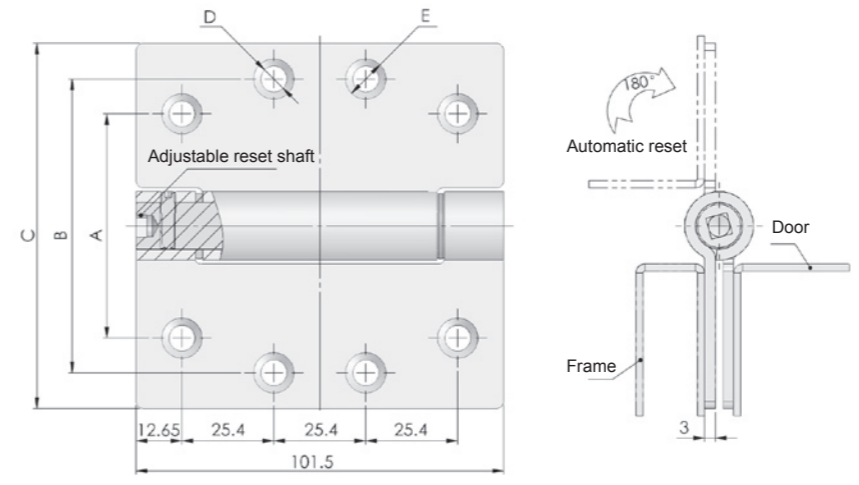



**Main material and finish:** Wiredrawing stainless steel hinge leaf, stainless steel shaft  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 1200N



ERP	CL158S4B001
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Model	ERP	specification				
		A	B	C	D	E
CL158-4	CL158S4B003	62	81.2	101	φ7.2	φ10.5
CL158-5	CL158S4B004	37	56.2	76	φ6.6	φ10

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock

**CL158-4**




**CL158-5**



**Main material:** stainless steel hinge and pin  
**Finish:**brushed polishing  
**Application:** reset hinge, opening angle 180°  
**Performance parameter:**  
Reset torque 2N.m

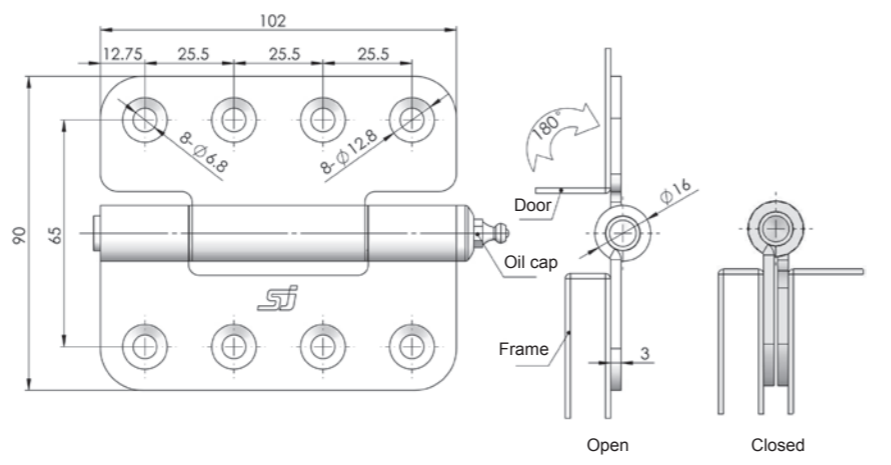
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL158-3**

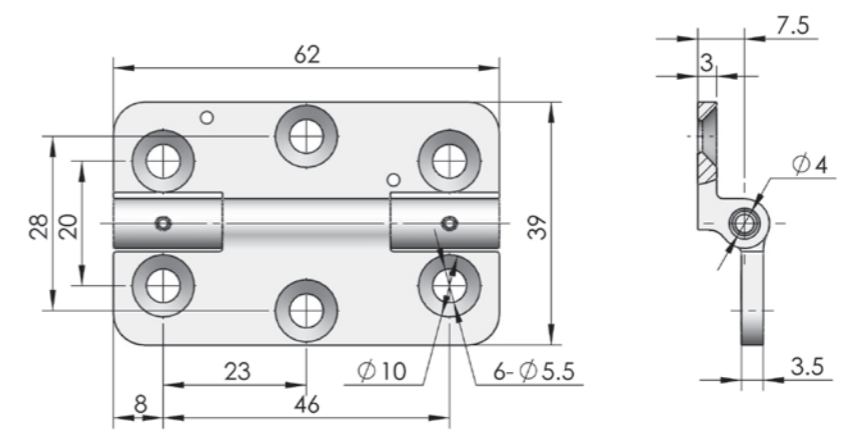


**Main material and finish:** stainless steel(brushed polishing) hinge, steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1730N  
**Axial load:** 2000N



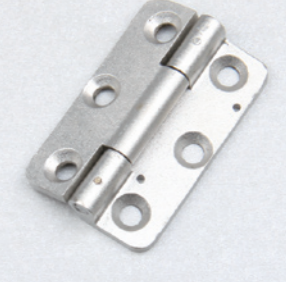

ERP	CL158S4B002
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ERP	CL163S4B001
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Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL163**

**Main material and finish:** Wiredrawing stainless steel hinge leaf and shaft

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1300N  
**Axial load:** 1180N

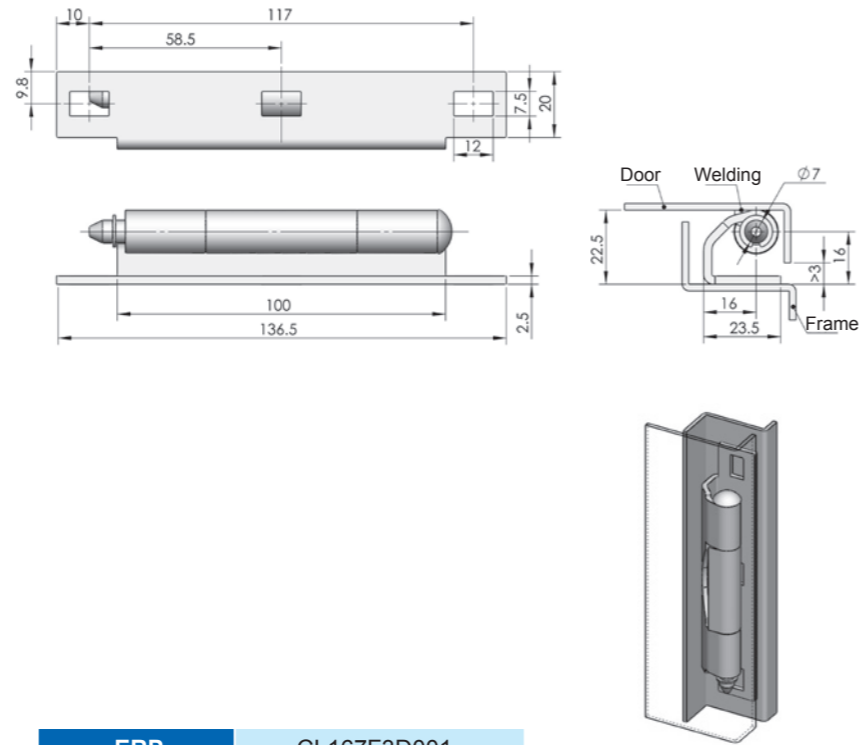
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL167**



**Main material and finish:** White zinc-plated steel hinge leaf, white zinc-plated aluminium alloy shaft  
**Application:** Opening angle 120°

**Performance parameter:**  
Maximum static load  
Radial load: 210N  
Axial load: 320N



ERP

CL167F3D001

ERP

CL168S4A001

**CL168-2**

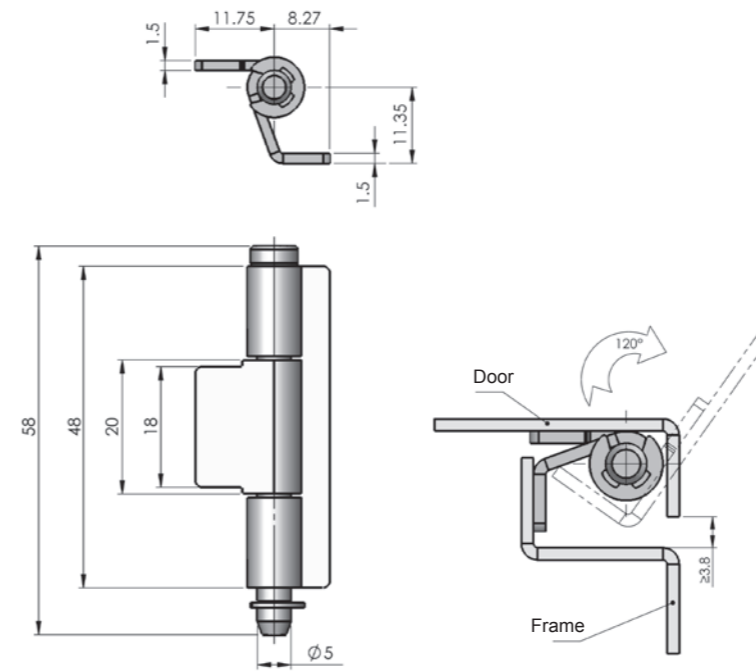


NEW

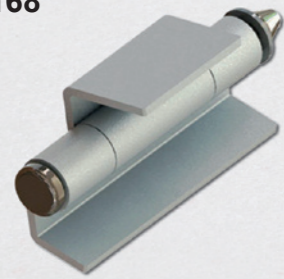


**Main material:** stainless steel 304  
**Finish:** mirror polishing  
**Application:** Opening angle 120°

**Performance parameter:**  
Maximum static load  
Radial load: 290N  
Axial load: 540N

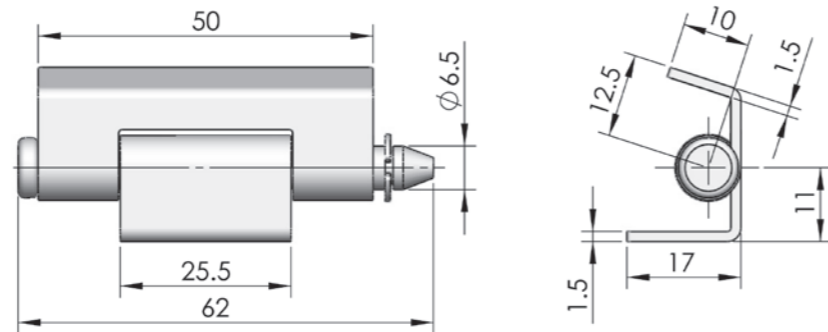


**CL168**



**Main material and finish:** White zinc-plated steel hinge leaf and shaft

**Performance parameter:**  
Maximum static load  
Radial load: 200N  
Axial load: 330N



ERP

CL168F3D001

ERP

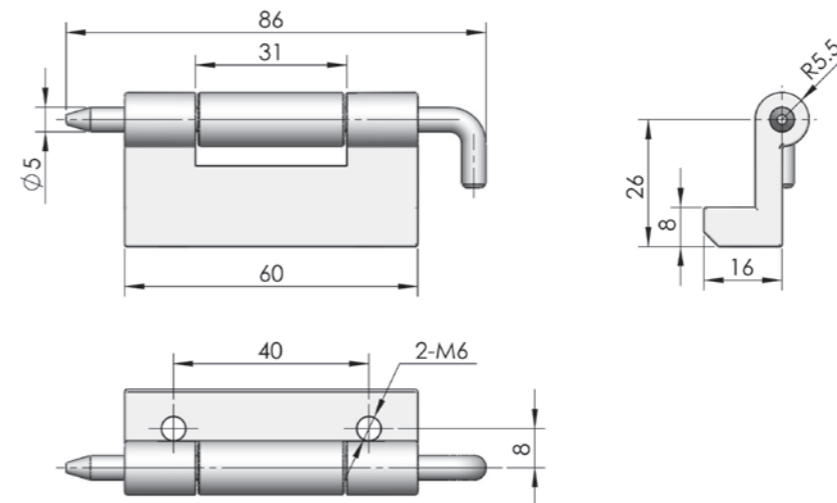
CL169Z3D001

**CL169**



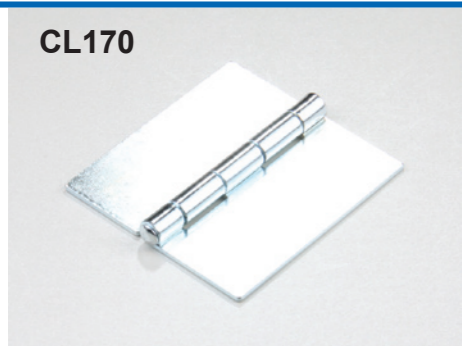
**Main material and finish:** White zinc-plated ZDC female hinge, steel male hinge and shaft

**Performance parameter:**  
Maximum static load  
Radial load: 700N  
Axial load: 500N



Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket



**CL170**



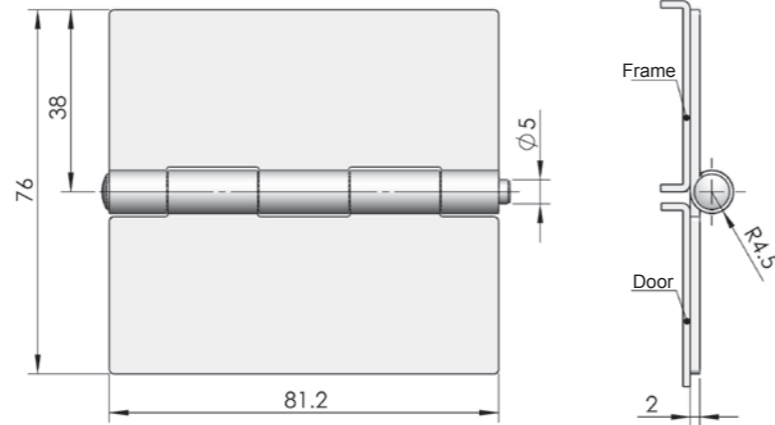
**Main material and finish:** Zinc-plated steel hinge and pin

**Performance parameter:**

**Maximum static load**

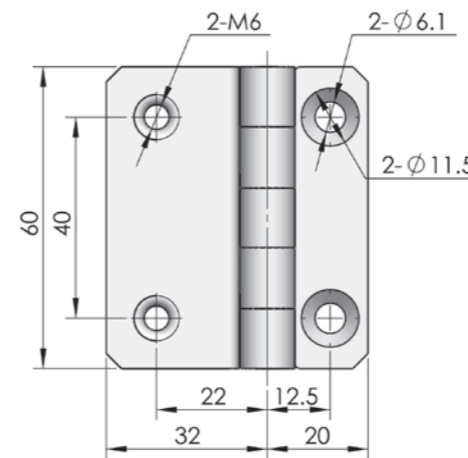
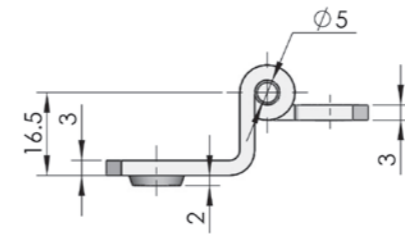
**Radial load:** 800N

**Axial load:** 600N



ERP

CL170F3D001



ERP

CL178F3D001



**CL178**



**Main material:** steel hinge and pin

**Finish:** zinc plated

**Performance parameter:**

**Maximum static load**

**Radial load:** 1280N

**Axial load:** 1170N



**CL173**



**Main material and finish:** Stainless steel hinge leaf and shaft

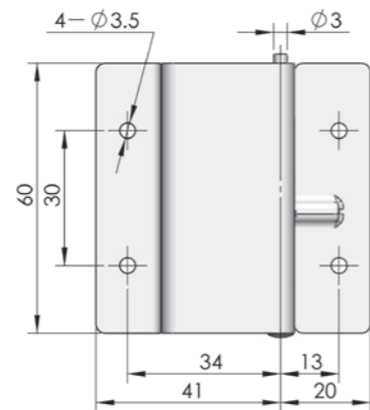
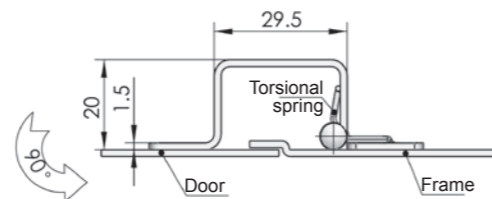
**Application:** Opening angle 90°

**Performance parameter:**

**Maximum static load**

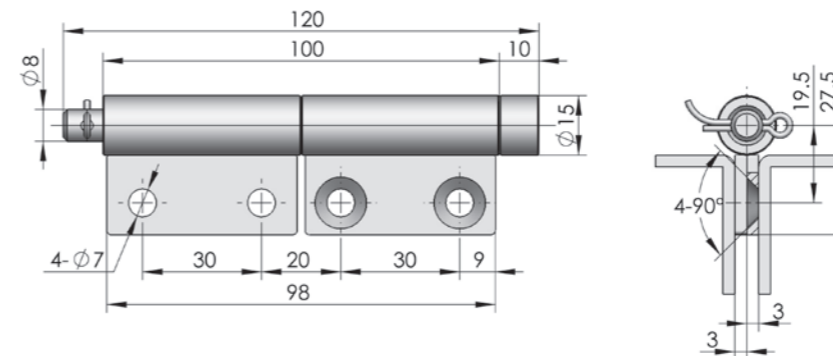
**Radial load:** 180N

**Axial load:** 75N



ERP

CL173S00001



ERP

CL179S4B001



**CL179**



**Main material and finish:** Wiredrawing stainless steel hinge

**Performance parameter:**

**Maximum static load**

**Radial load:** 2000N

**Axial load:** 1500N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

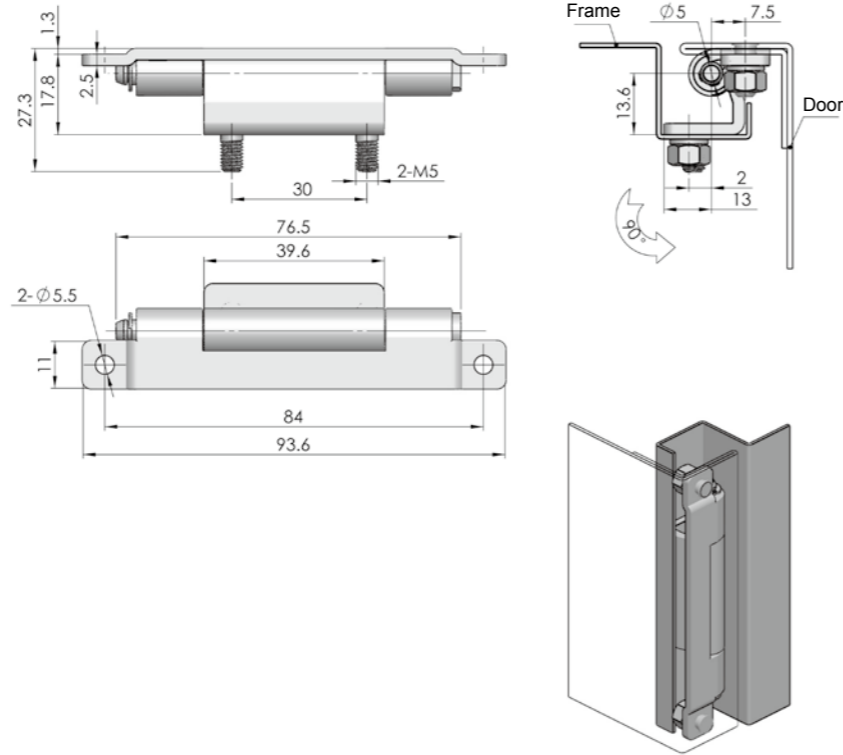


**CL180**



**Main material and finish:** Magnetic force polishing SUS304 stainless steel hinge

**Performance parameter:**  
Maximum static load  
Radial load: 705N  
Axial load: 400N



ERP

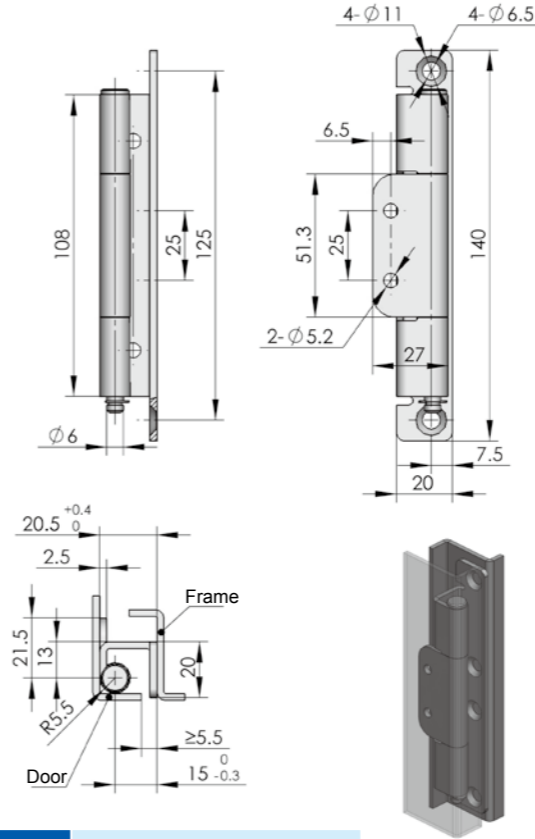
CL180SXX001

**CL186**



**Main material and finish:** Electrolysis stainless steel hinge leaf and shaft  
**Application:** Opening angle 120°

**Performance parameter:**  
Maximum static load  
Radial load: 660N  
Axial load: 800N



ERP

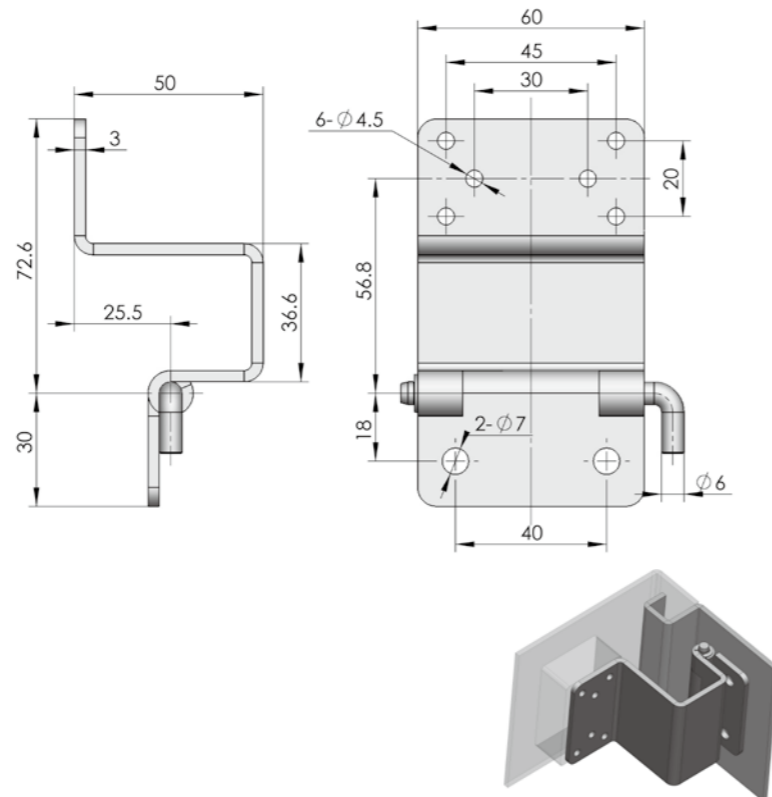
CL186S9C001

**CL181**



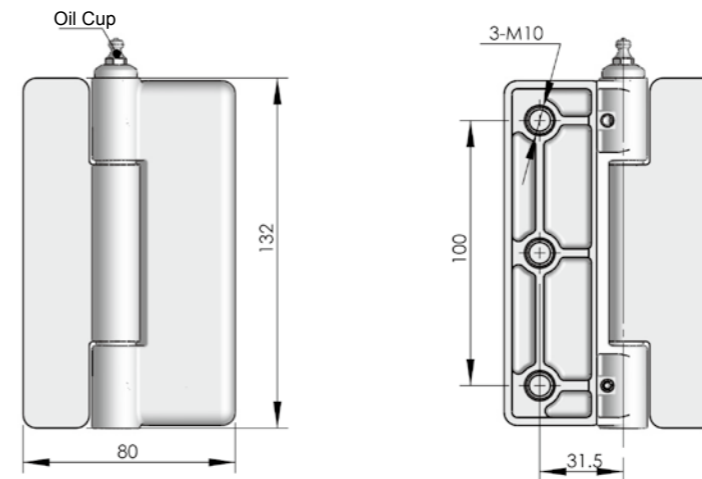
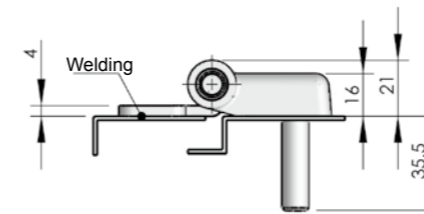
**Main material and finish:** White zinc plated steel hinge leaf and stainless steel shaft

**Performance parameter:**  
Maximum static load  
Radial load: 5000N  
Axial load: 420N



ERP

CL181F3J001



ERP

CL188FXX001

**CL188**



**Main material and finish:** Phosphating 45# steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
Maximum static load  
Radial load: 3000N  
Axial load: 3000N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

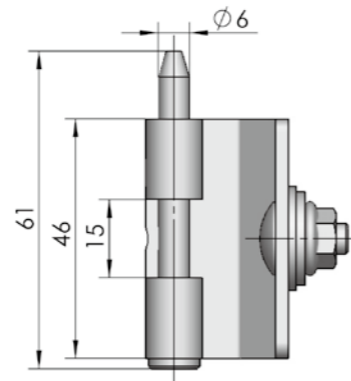
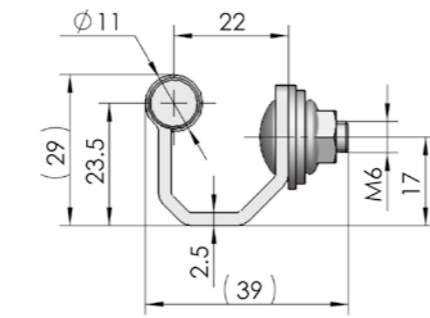
**CL190**



**Main material and finish:** White zinc plated steel hinge

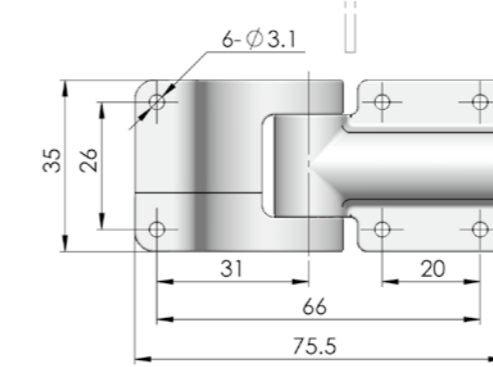
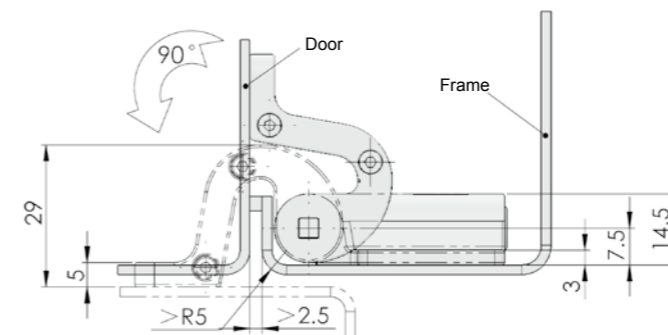
**Performance parameter:**

**Maximum static load**  
**Radial load:** 365N  
**Axial load:** 255N



ERP

CL190F3D001



ERP

CL195Z2A002

**CL195-3**



**Main material and finish:** Black painted ZDC hinge

**Application:** Opening angle 90°

**Performance parameter:**

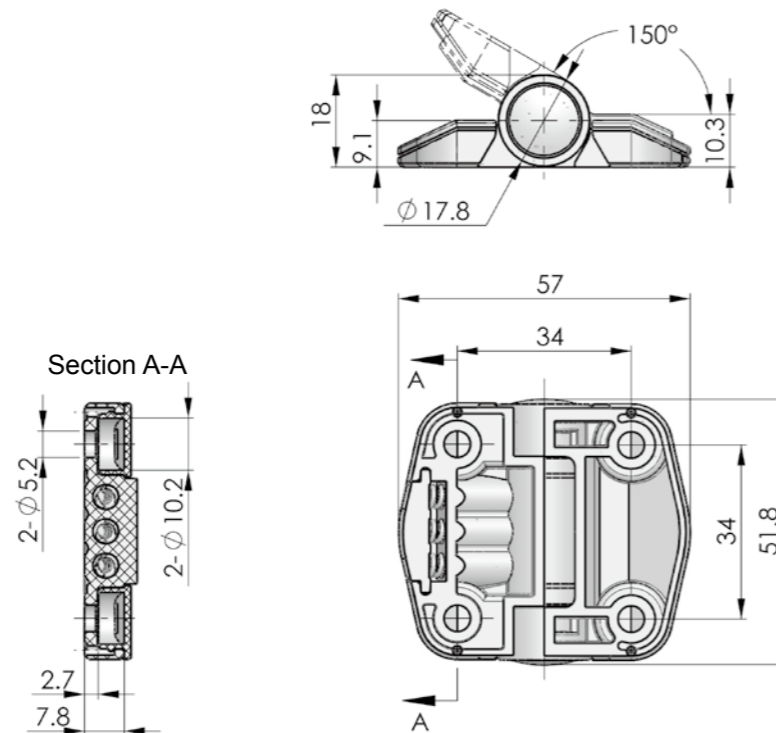
**Maximum static load**  
**Radial load:** 800N  
**Axial load:** 650N

**CL195**



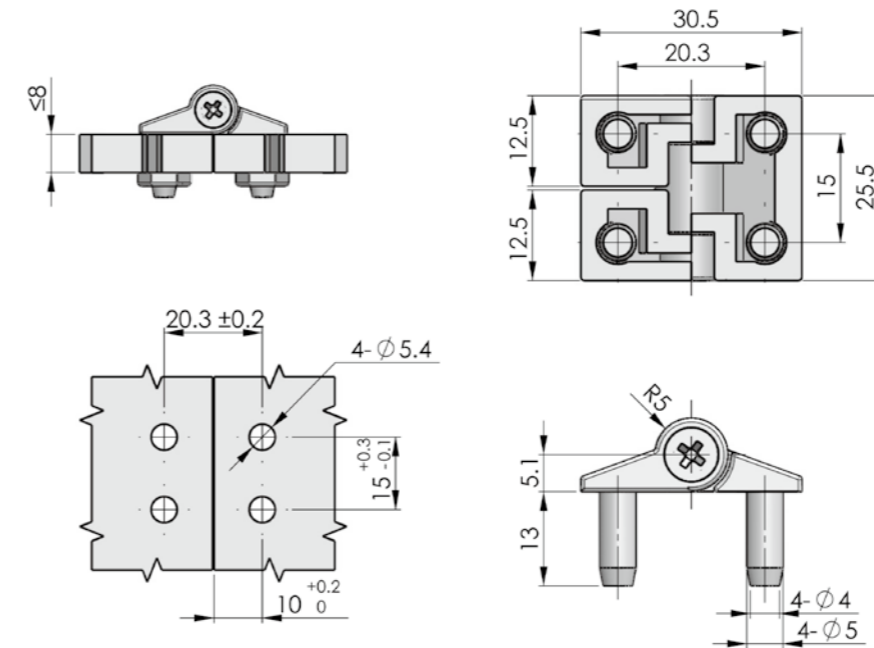
**Main material and finish:** Black POM hinge and steel shaft

**Application:** Opening angle 150°



ERP

CL195N00001



ERP

CL196N00001

**CL196**



**Main material and finish:** Black POM hinge

**Remark:** Special self tapping screw included

**Performance parameter:**

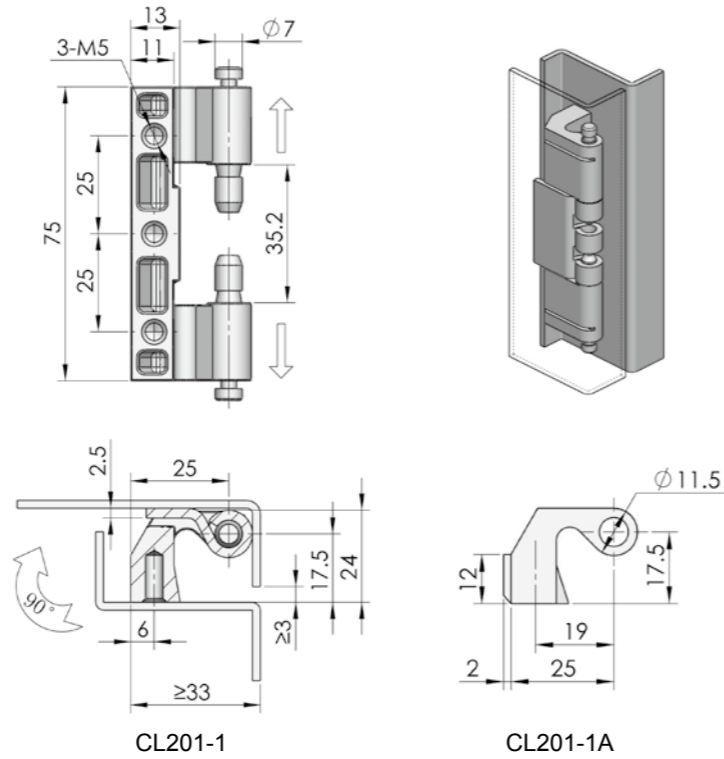
**Maximum static load**  
**Radial load:** 80N  
**Axial load:** 255N

**CL201-1**

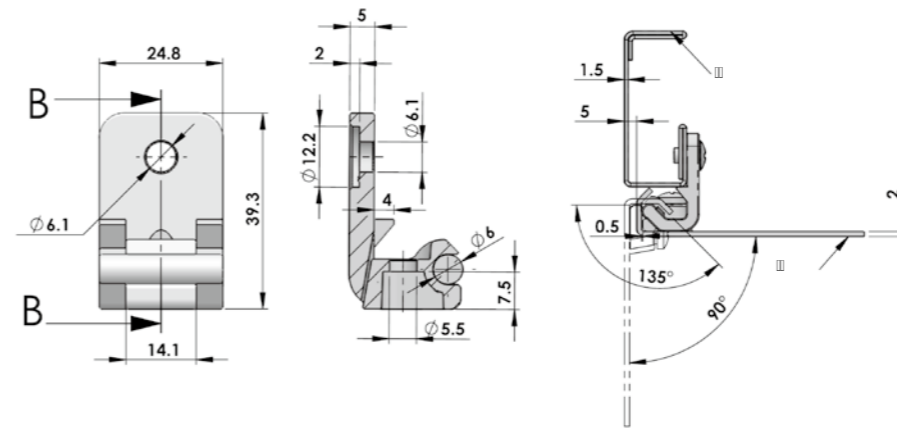


**Main material and finish:** ZDC hinge, steel pin, accessory

**Performance parameter:**  
Maximum static load  
Radial load: 800N  
Axial load: 1500N



Remark:  $\geq 3$  size is 3.7, door's open angle is 90 degree.



ERP

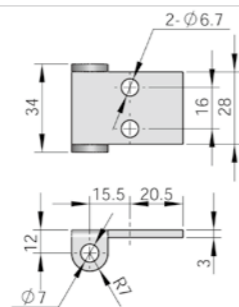
CL200Z2C001

**CL200-1**

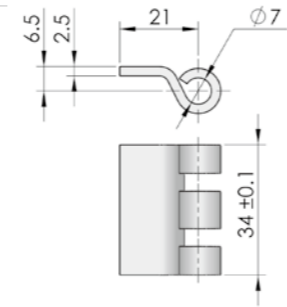


**Main material and finish:** Black painted ZDC hinge  
**Application:** Opening angle 90°

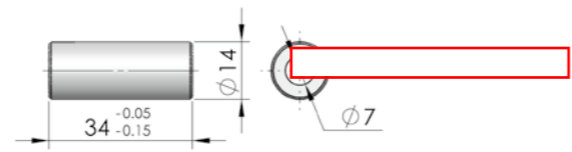
**Performance parameter:**  
Maximum static load  
Radial load: 300N  
Axial load: 250N



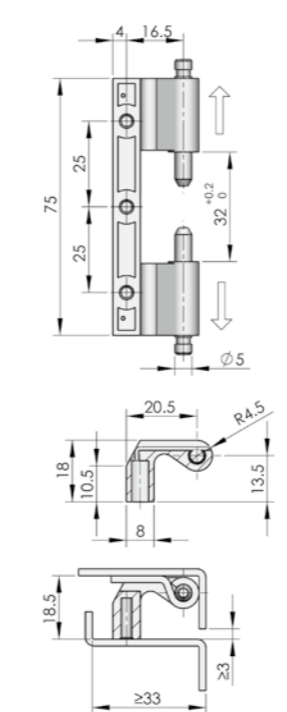
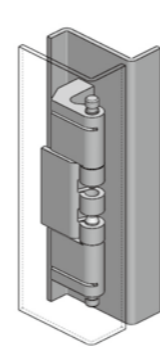
"U" shape accessory  
ERP: 3452011001 (white zinc plating)



Claw shape accessory  
ERP: 3452011002 (white zinc plating)



Pipe shape accessory  
ERP: 3452011013 (white zinc plating)



Claw shape accessory  
ERP: 3452012001 (Iron white zinc plating)

Remark:  $\geq 3$  size is bigger, door's open angle is bigger  
What is the size of the door panel and door frame, when the door's open angle is 90 degree.

**CL201-2**



**Main material and finish:** ZDC hinge, steel pin and accessories

**Performance parameter:**  
Maximum static load  
Radial load: 360N  
Axial load: 460N

Specification	CL201-1	CL201-1A	CL201-1B
Black powder coated	CL201Z2A002	CL201Z2A032	
Nanometer painted	CL201Z2B002	CL201Z2B017	
Blast sprayed	CL201Z4D002	CL201Z4D004	
SUS			CL201S4B001

Remark: Accessory is not included in above ERP number, but optional

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A006	CL201Z2B004	CL201Z4D007

Remark: Accessory is not included in above ERP number, but optional.

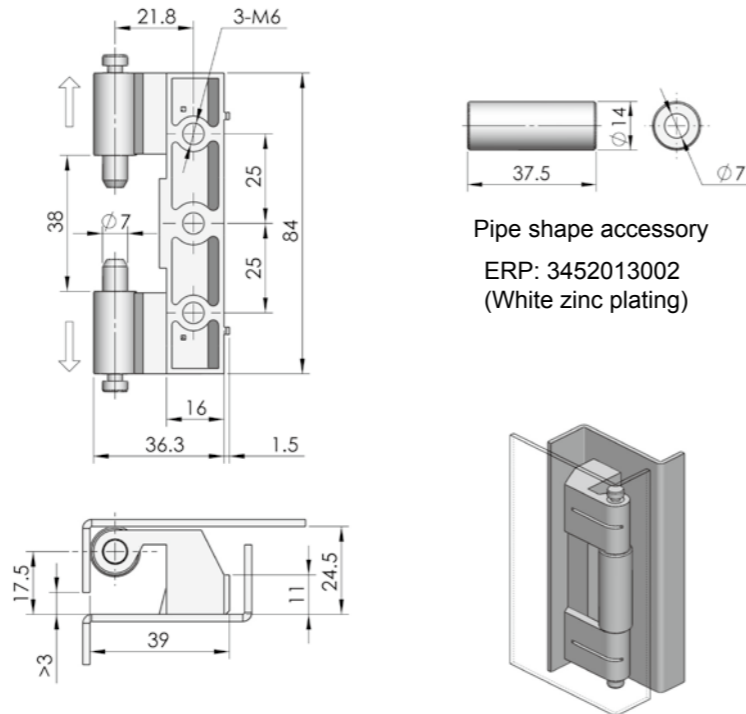
**CL201-3**



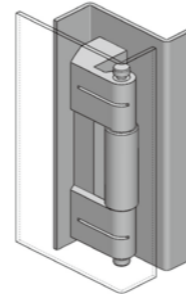
**Main material and finish:** ZDC hinge, steel pin and accessories

**Performance parameter:**

**Maximum static load**  
**Radial load:** 300N  
**Axial load:** 700N



Pipe shape accessory  
ERP: 3452013002  
(White zinc plating)



Remark: ≥size is 3.7, door's open angle is 90 degree.

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A011	CL201Z2B008	CL201Z4D009

Remark: Accessory is not included in above ERP number, but optional.

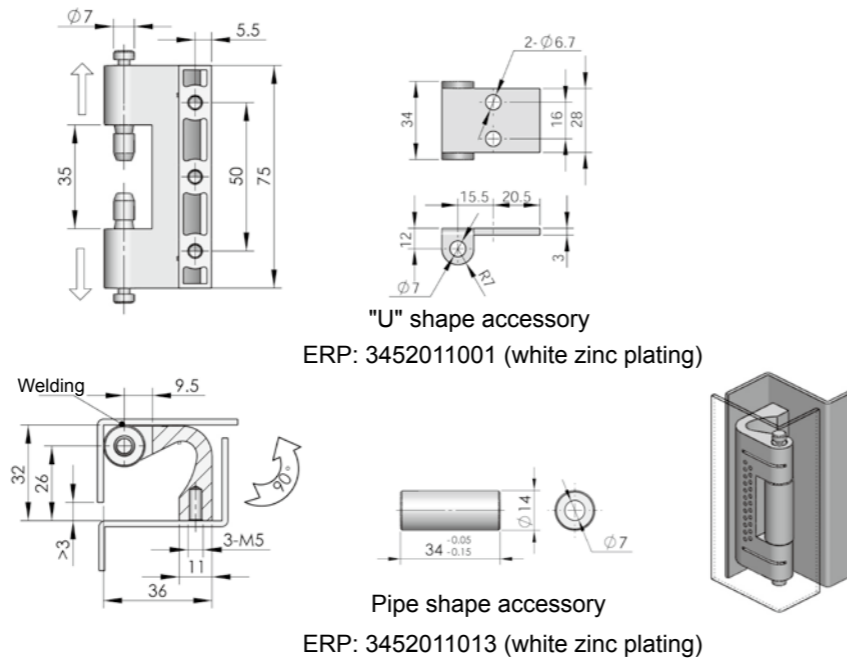
**CL201-4**



**Main material and finish:** ZDC hinge, steel pin and accessories

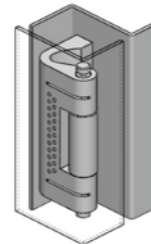
**Performance parameter:**

**Maximum static load**  
**Radial load:** 640N  
**Axial load:** 900N



"U" shape accessory  
ERP: 3452011001 (white zinc plating)

Pipe shape accessory  
ERP: 3452011013 (white zinc plating)



Remark: ≥size is 2.8, door's open angle is 90 degree.

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A015	CL201Z2B009	CL201Z4D012

Remark: Accessory is not included in above ERP number, but optional

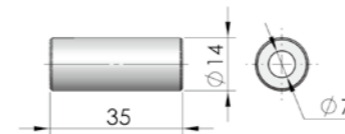
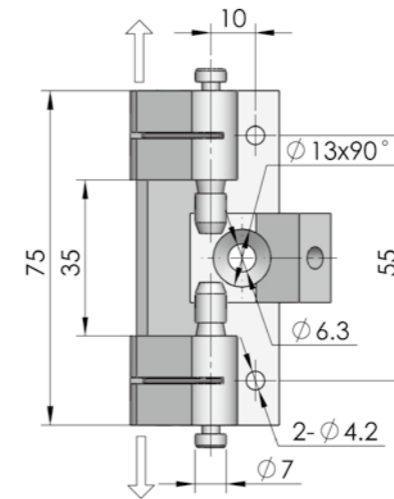
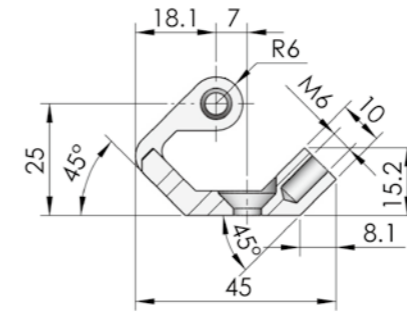
**CL201-5**



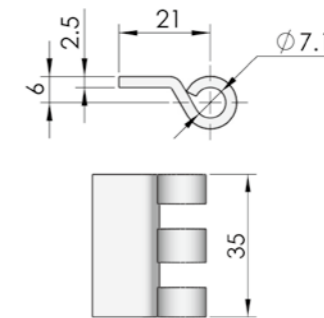
**Main material and finish:** ZDC hinge, steel pin and accessories

**Performance parameter:**

**Maximum static load**  
**Radial load:** 700N  
**Axial load:** 1500N



Pipe shape accessory  
ERP: 3452011013 (White zinc plating)



Claw shape accessory  
ERP: 3452011002 (White zinc plating)

	Black powder coated	Nanometer painted	Blast sprayed
ERP	CL201Z2A013	CL201Z2B005	CL201Z4D015

Remark: Accessory is not included in above ERP number, but optional

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

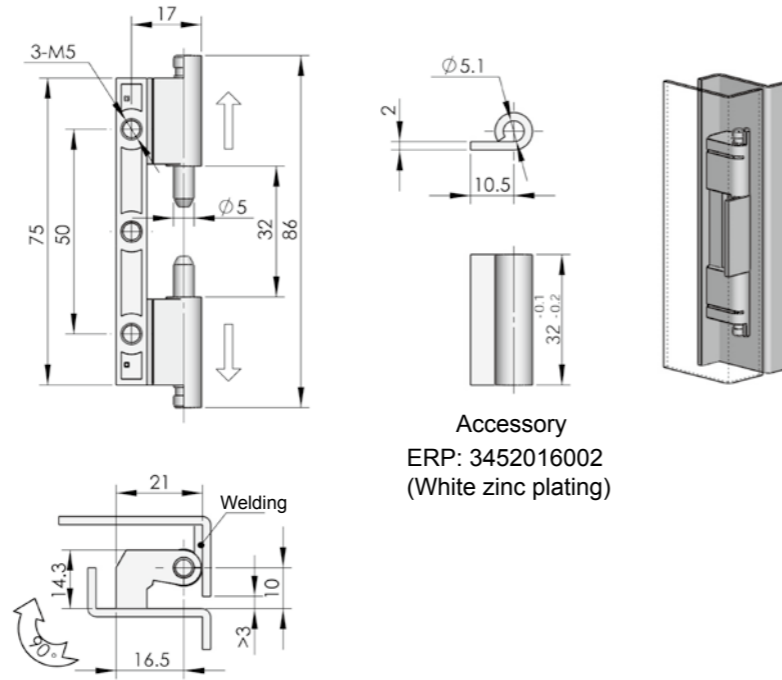
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL201-6**



**Main material and finish:** ZDC hinge, steel pin and accessories  
**Application:** Opening degree 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 900N  
**Axial load:** 980N



Remark:  $\geq$ size is 2.7, door's open angle is 90 degree.

	Nanometer painted	Blast sprayed
ERP	CL201Z2B001	CL201Z4D021

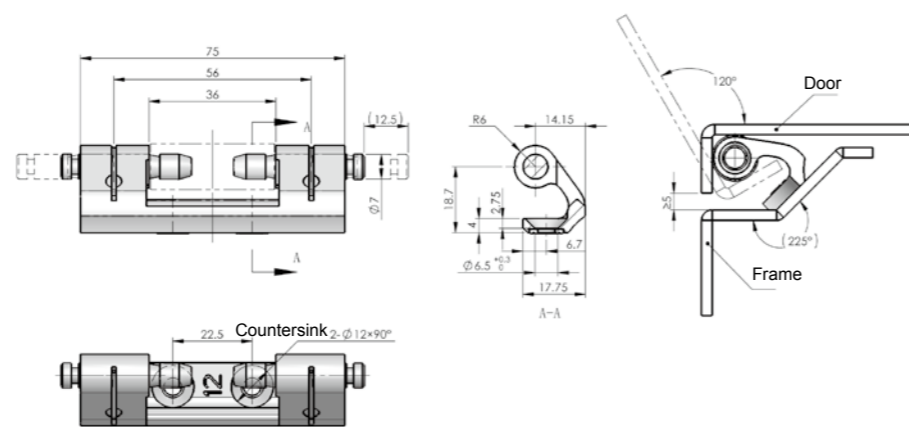
Remark: Accessory is not included in above ERP number, but optional.

**CL201-9**

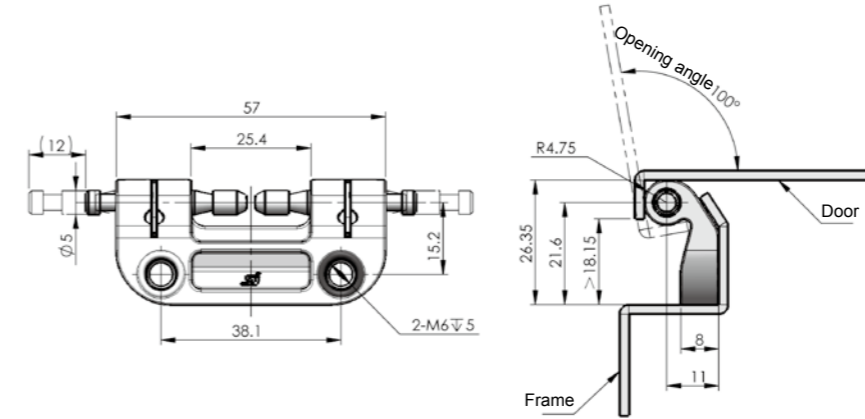


**Main material and finish:** Blast sprayed ZDC hinge leaf and steel pin.  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 500N  
**Axial load:** 800N



Specification	With washer	Without washer
ERP	CL201Z4D064	CL201Z4D067



Specification	With SJ logo	Without SJ logo
ERP	CL201Z2B021	CL201Z2B022

**CL201-12**



**Main material and finish:** Nanometer painted ZDC hinge leaf, steel pin  
**Application:** Opening angle 100°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 900N  
**Axial load:** 2000N

**CL202-1**



**Main material and finish:** ZDC door-part, steel frame-part and pin  
**Application:** Opening degree 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 280N  
**Axial load:** 390N

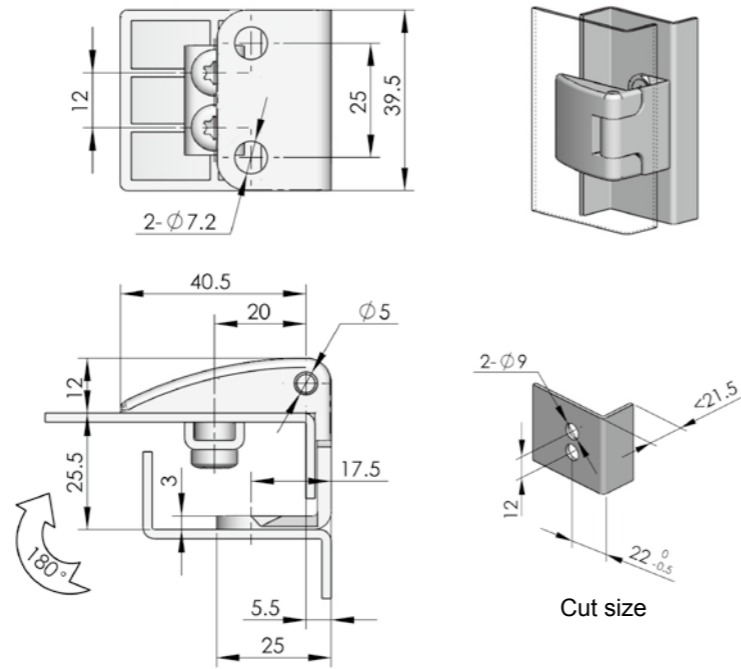
Specification	Black Powder Coated	Nanometer painted
ERP	CL202Z1A001	CL202Z2B001

**CL202-2**



**Main material and finish:** ZDC door-part, steel frame-part, pin and screw  
**Application:** Opening degree 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 560N  
**Axial load:** 520N



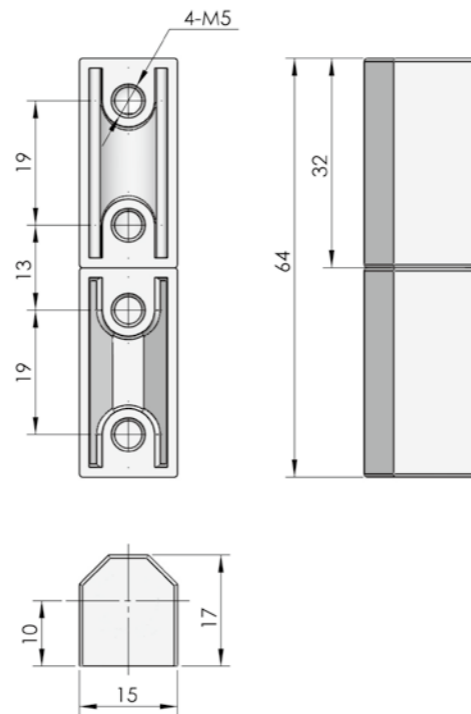
	Matt black powder coated	Malachite green powder coated	Pocked black powder coated
ERP	CL202Z1A002	CL202Z1F006	CL202Z1B001

**CL203-2B**



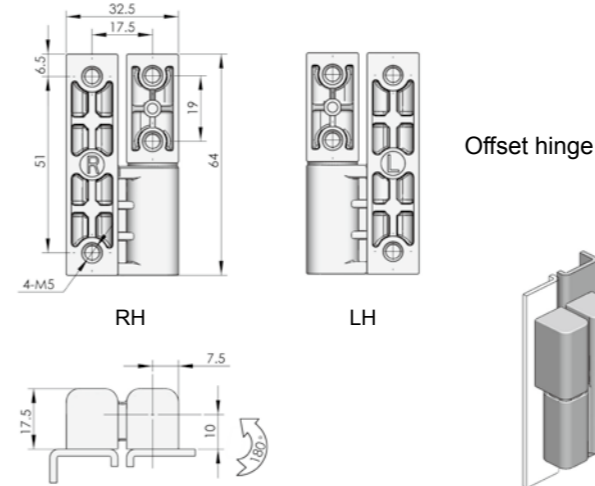
**Main material and finish:** ZDC hinge  
**Application:** Opening degree 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 600N  
**Axial load:** 1500N

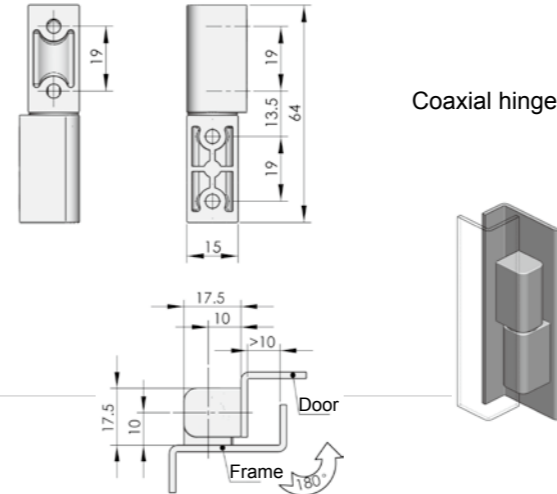


	Black powder coated	Bright chrome plated
ERP	CL203Z1A007	CL203Z3A005

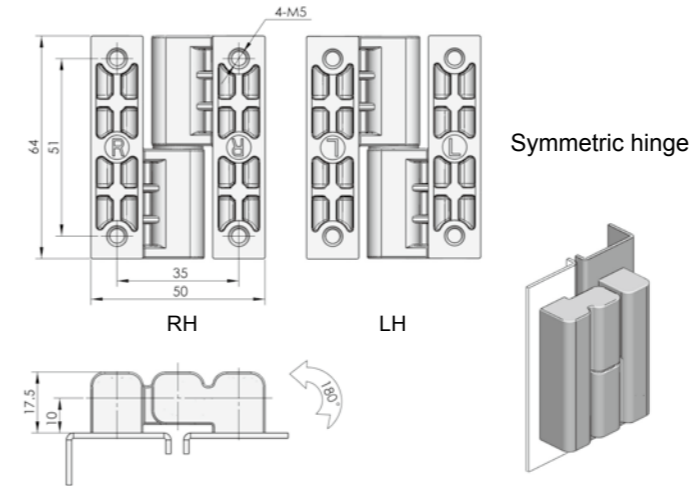
**CL203-1**



**CL203-2**



**CL203-3**



Specification	Model	ERP		
		Matt black powder coated	Pocked black powder coated	Nanometer painted
Coaxial hinge	CL203-2	CL203Z1A003	CL203Z1B004	CL203Z2B003
Offset left hinge	CL203-1-Z	CL203Z1A001	CL203Z1B001	CL203Z2B001
Offset right hinge	CL203-1-Y	CL203Z1A002	CL203Z1B002	CL203Z2B002
Symmetrical left hinge	CL203-3-Z	CL203Z1A008		CL203Z2B004
Symmetrical right hinge	CL203-3-Y	CL203Z1A009	CL203Z1B015	CL203Z2B005

**CL203-1**



**CL203-2**



**CL203-3**



**Main material and finish:** ZDC hinge PA bushing  
**Application:** Opening degree 180°

**Performance parameter:**  
**Maximum static load**

**Model: CL203-1**  
Radial load: 490N Axial load: 570N

**Model: CL203-2**  
Radial load: 650N Axial load: 1550N

**Model: CL203-3**  
Radial load: 3300N Axial load: 880N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

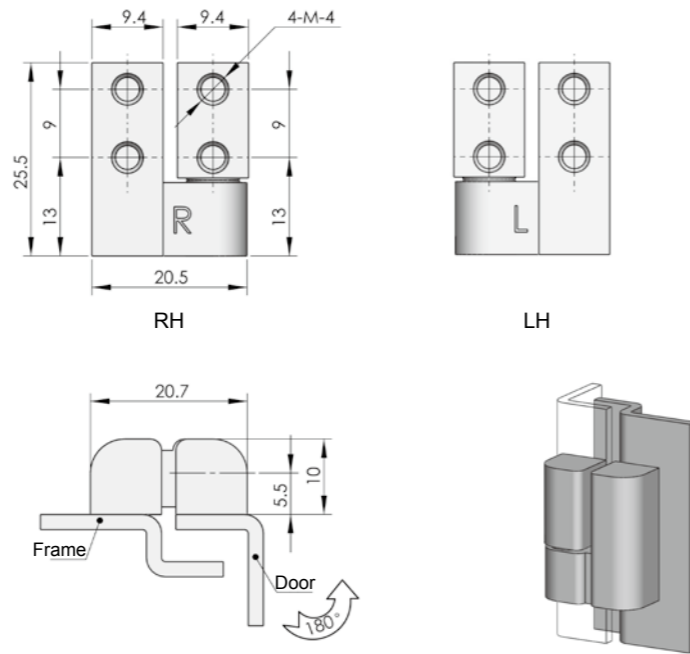
Seal gasket

**CL203-4**



**Main material and finish:** ZDC hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 270N  
**Axial load:** 730N



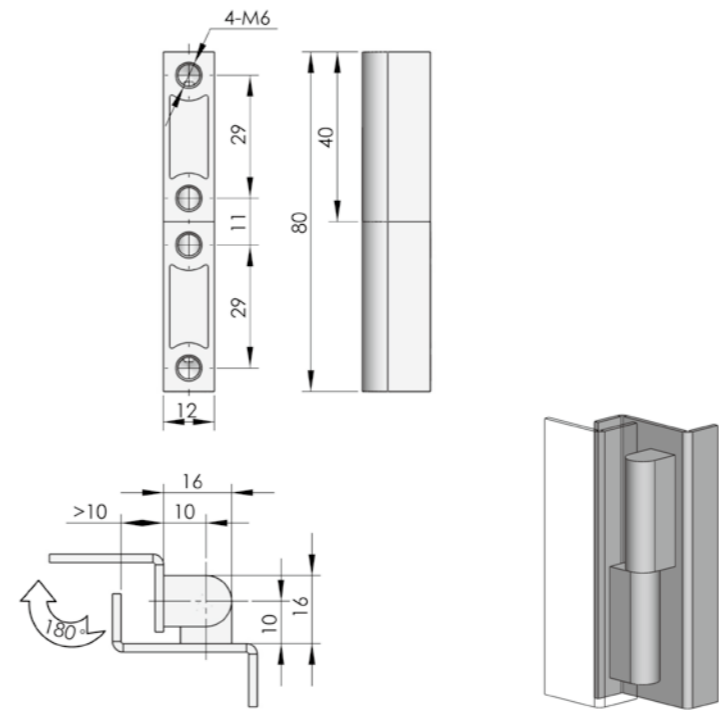
Specification	Model	ERP	
		Black powder coated	Nanometer painted
Left hand	CL203-4-Z	CL203Z2A001	CL203Z2B006
Right hand	CL203-4-Y	CL203Z2A002	CL203Z2B007

**CL204-1**



**Main material and finish:** ZDC hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 980N  
**Axial load:** 2800N



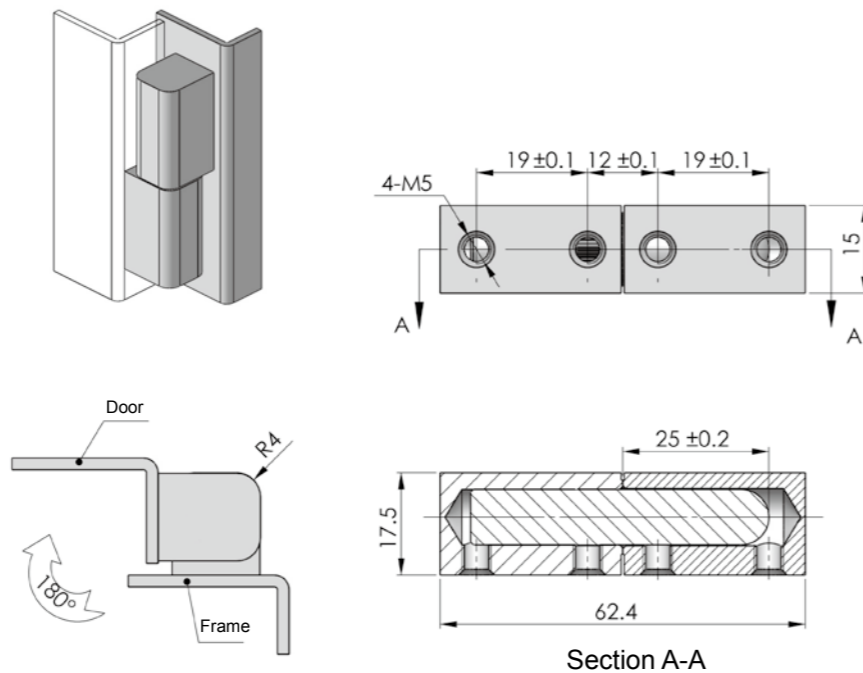
	Black powder coated	Nanometer painted	Bright chrome plated
<b>ERP</b>	CL204Z1A001	CL204Z2B001	CL204Z3A001

**CL203-7**



**Main material and finish:** Wiredrawing polishing stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1295N  
**Axial load:** 2240N



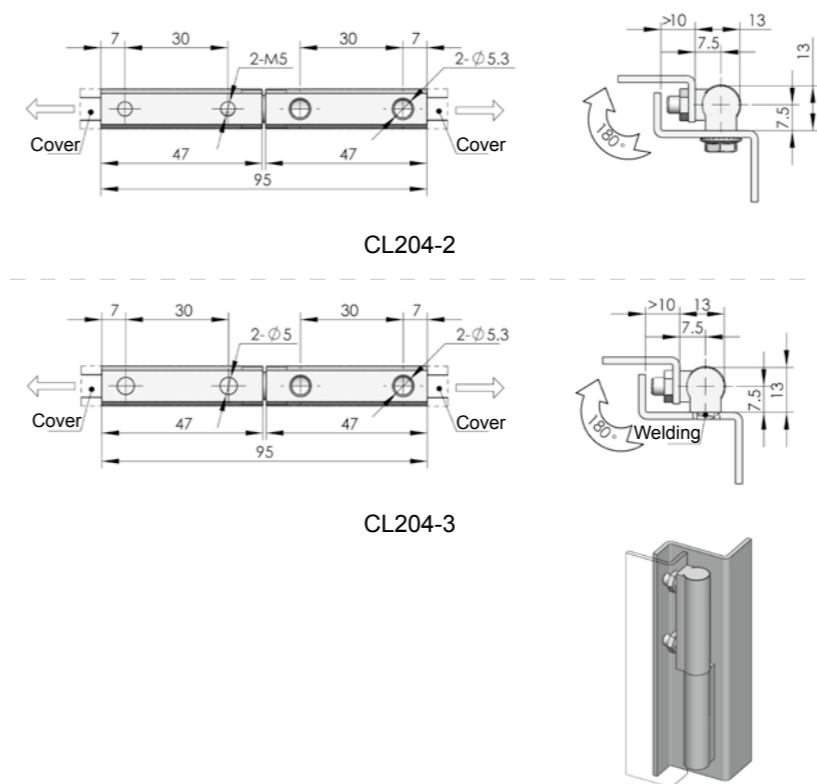
<b>ERP</b>	CL203S4B001
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**CL204-2**  
**CL204-3**



**Main material and finish:** Steel hinge leaf and stainless steel cover  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1800N  
**Axial load:** 2900N



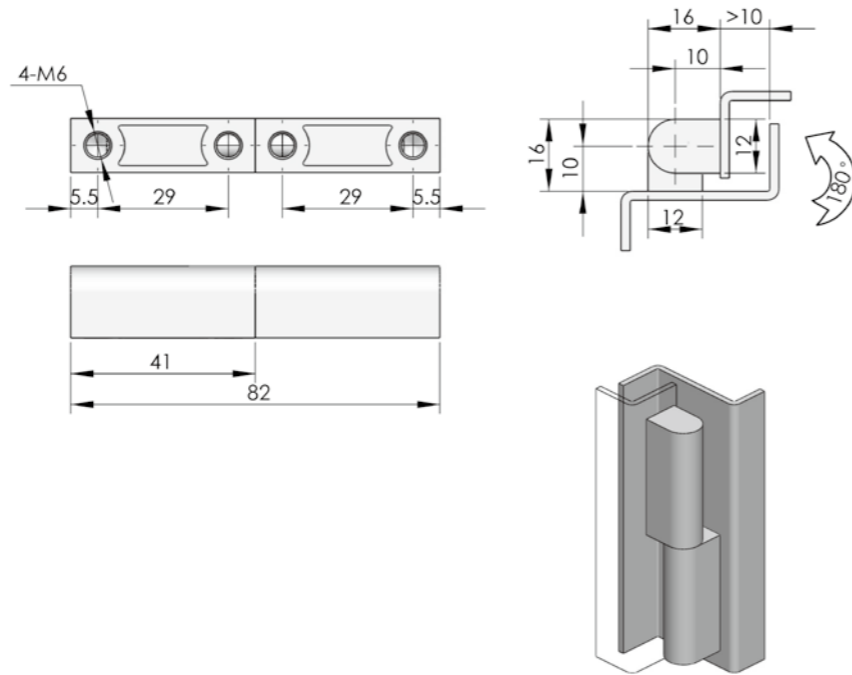
	CL204-2 Fixed with screw	CL204-2 Welding
<b>ERP</b>	CL204S00001	CL204S9C001

**CL204-3C**

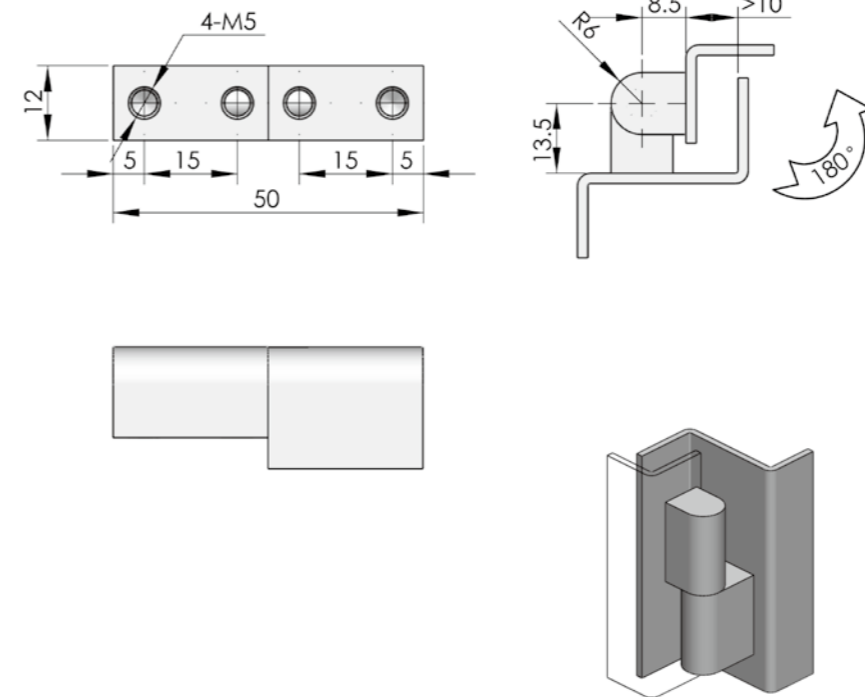


**Main material and finish:** Bright chrome-plated ZDC hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1000N  
**Axial load:** 1800N



ERP CL204Z3A002



ERP CL204Z3A007

**CL204-3F**



**Main material and finish:** Bright chrome-plated ZDC hinge  
**Application:** Opening angle 180°

**CL204-3K**



**Main material and finish:** Mirror polishing stainless steel hinge  
**Application:** Opening angle 180°

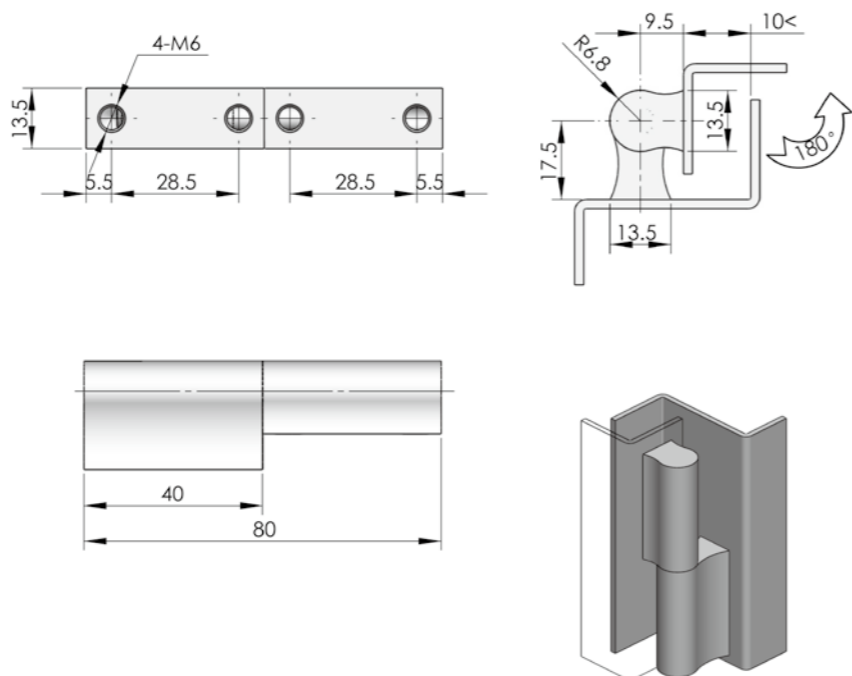
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 2000N  
**Axial load:** 1530N

**CL204-3D**

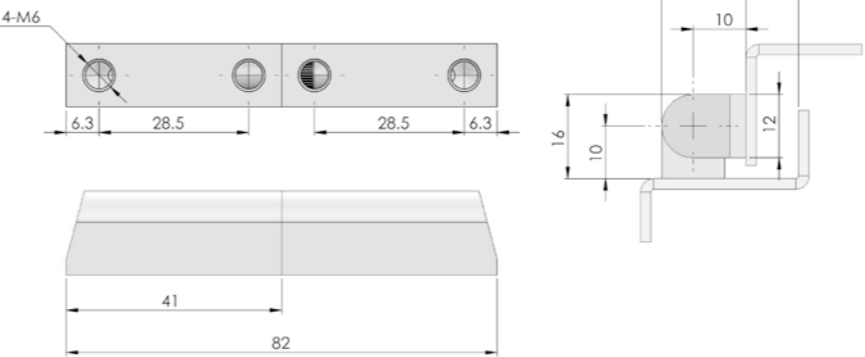


**Main material and finish:** Bright chrome-plated ZDC hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 2150N  
**Axial load:** 2630N



ERP CL204Z3A003



ERP CL204S4A013

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

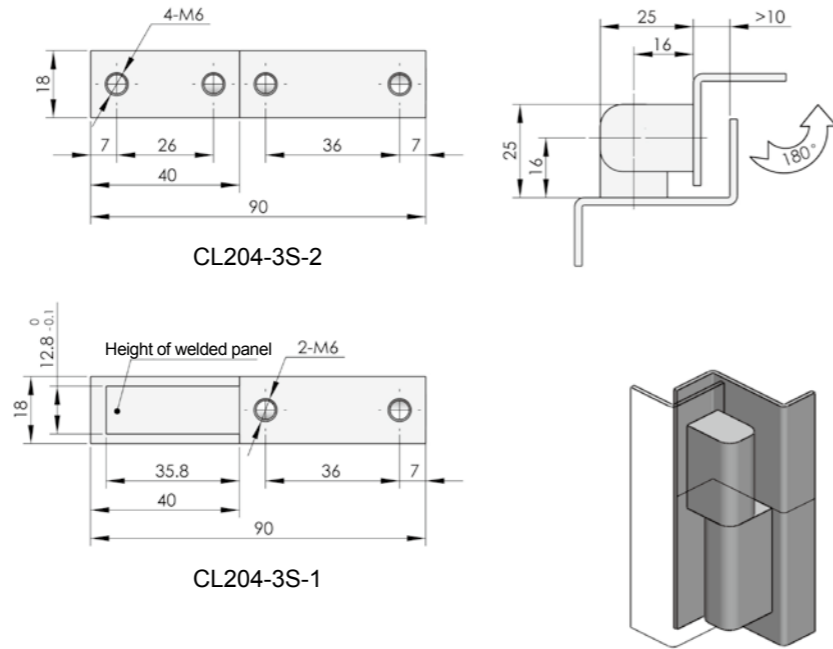


**CL204-3S**



**Main material and finish:** SUS304, wiredrawing polishing  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1700N  
**Axial load:** 2200N



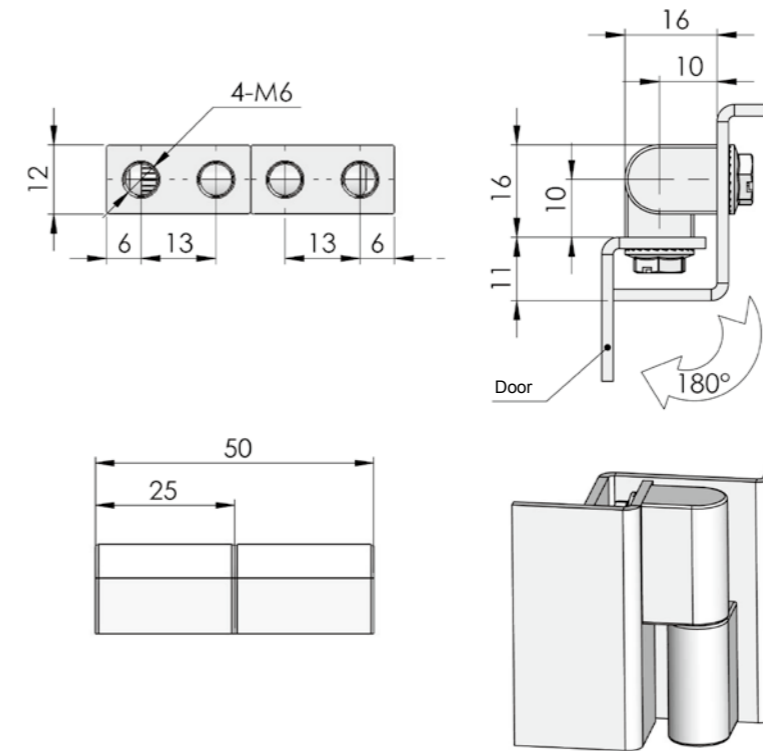
	<b>CL204-3S-1</b>	<b>CL204-3S-2</b>
<b>ERP</b>	CL204S4B002	CL204S4B003

**CL204-7**



**Main material and finish:** Mirror polishing  
SUS304 stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 2000N



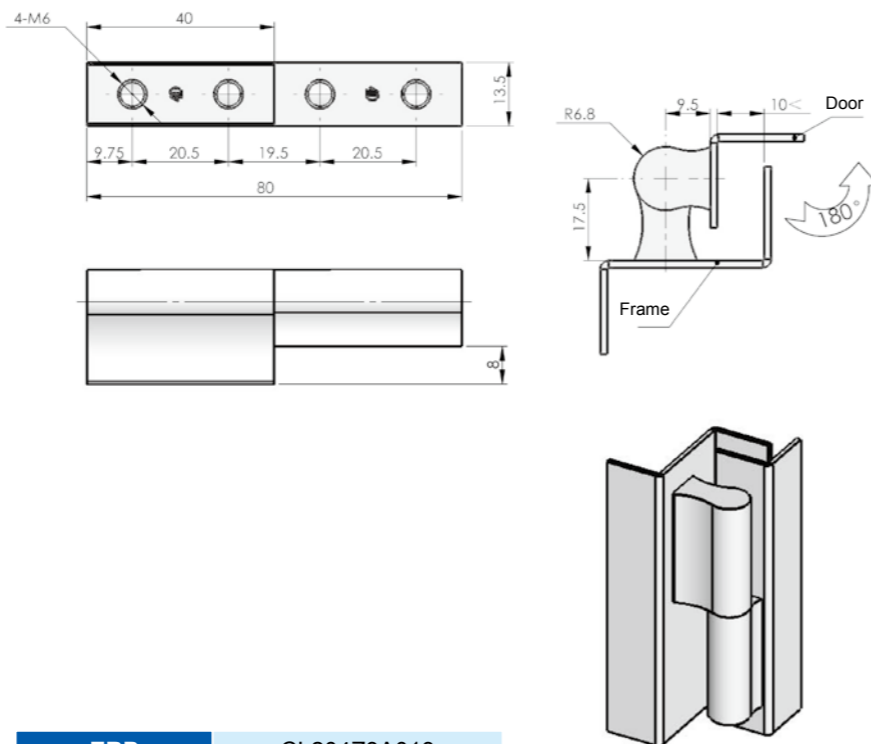
<b>ERP</b>	CL204S4A020
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**CL204-4D**

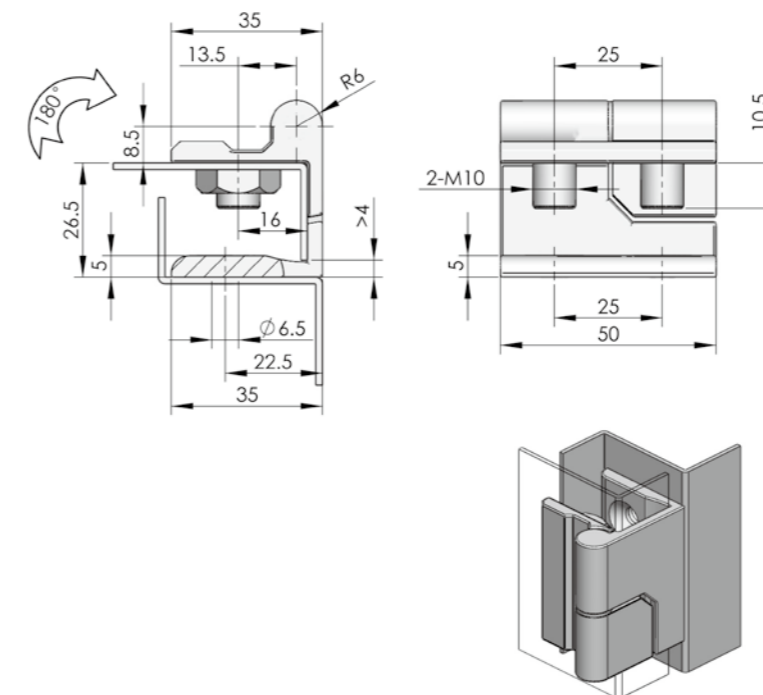


**Main material and finish:** Bright chrome plated ZDC exposed hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 2000N



<b>ERP</b>	CL204Z3A013
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Specification	Model	ERP	
		Black powder coated	Pocked black powder coated
Left hand	CL205-1-Z	CL205Z1A001	CL205Z1B001
Right hand	CL205-1-Y	CL205Z1A002	CL205Z1B002

**CL205-1**



**Main material and finish:** ZDC hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 917N  
**Axial load:** 710N



Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL205-2**



**Main material and finish:** ZDC hinge leaf and bushing, PA shaft

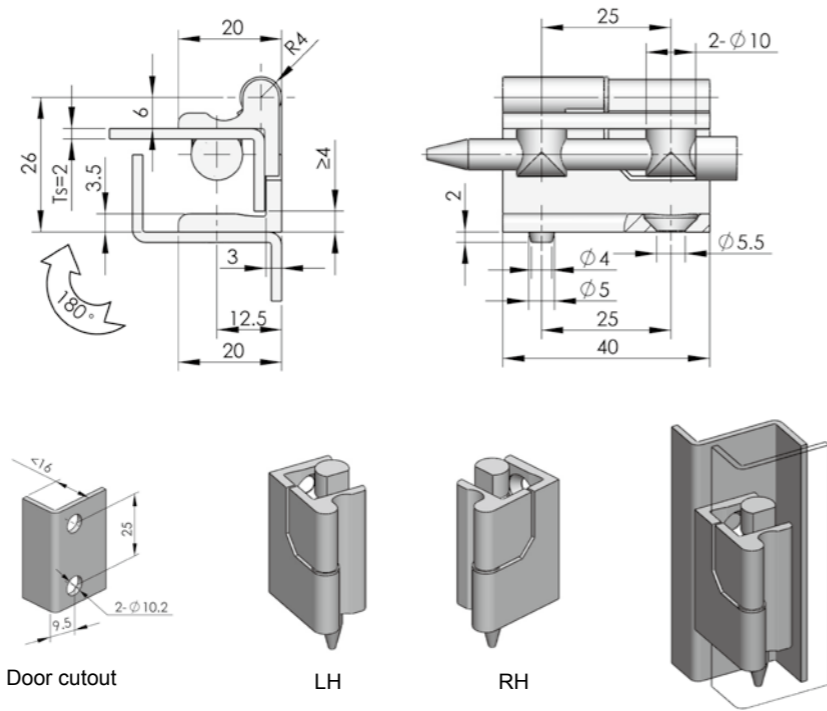
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

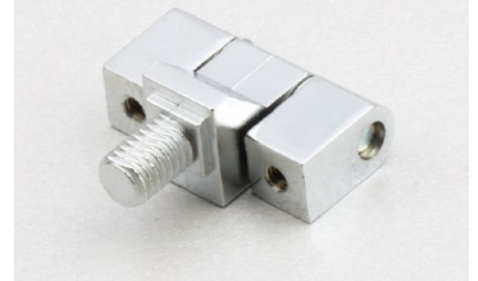
**Radial load:** 245N

**Axial load:** 305N



Specification	Model	ERP	
		Bright chrome-plated	Pocked black powder coated
Left hand	CL205-2-Z	CL205Z3A001	CL205Z1B003
Right hand	CL205-2-Y	CL205Z3A002	CL205Z1B004

**CL206-2**



**Main material and finish:** ZDC hinge, steel pin

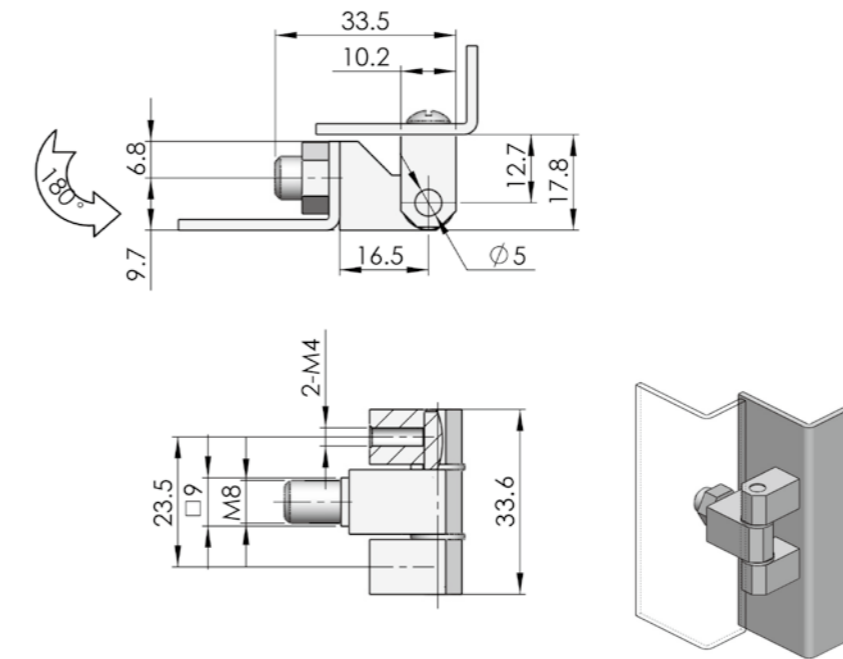
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 1200N

**Axial load:** 1000N



ERP	Black powder coated	Bright chrome-plated
	CL206Z1A001	CL206Z3A007

**CL206-1**



**Main material and finish:** Bright chrome plated steel hinge, steel gasket

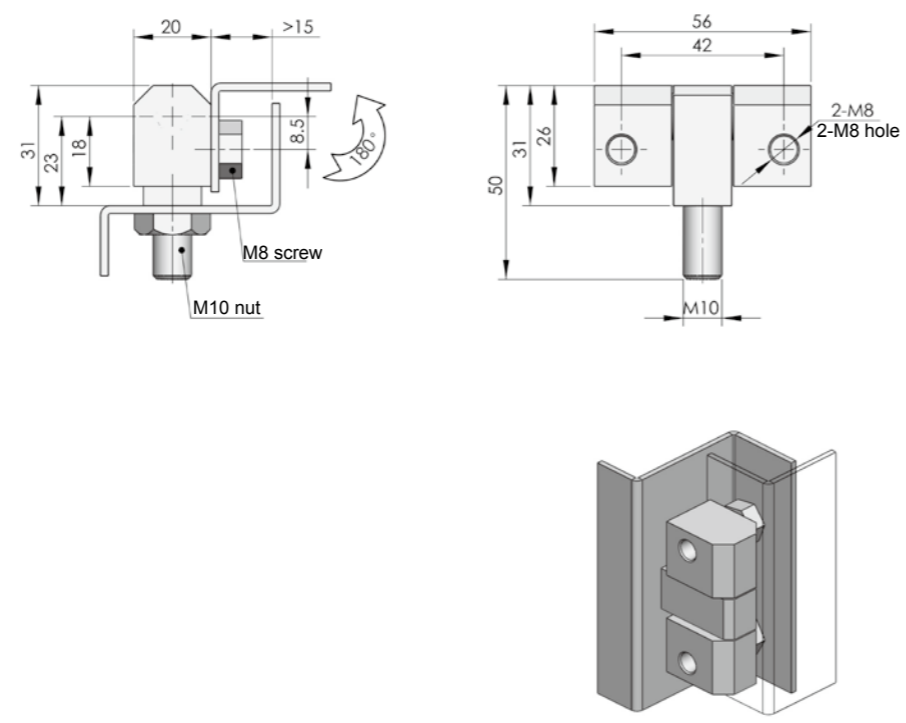
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 2500N

**Axial load:** 1785N



ERP	CL206F3A001

**CL206-3**



**Main material and finish:** Bright chrome plated steel hinge and gasket

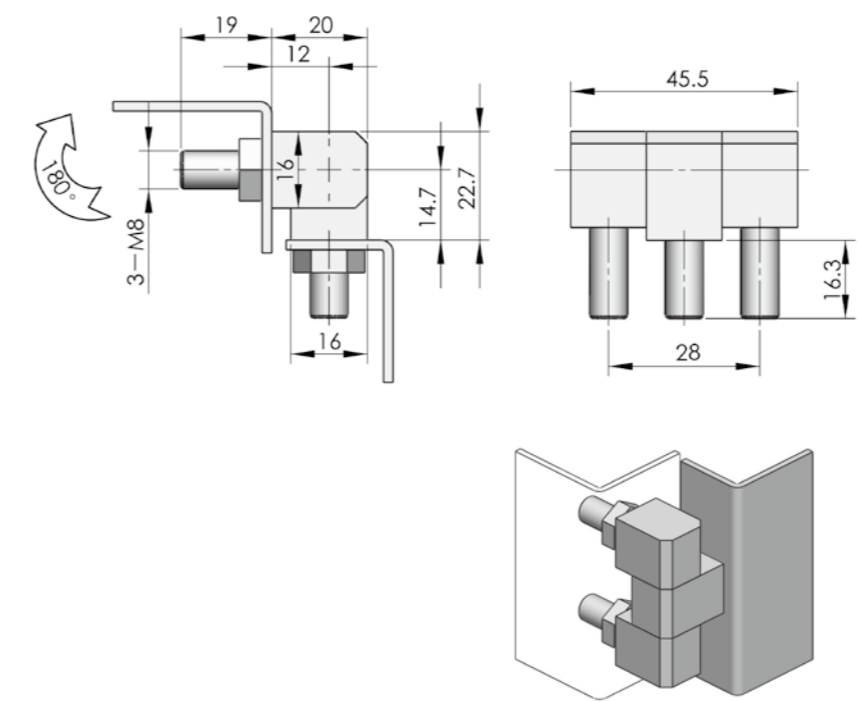
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 2000N

**Axial load:** 1500N



ERP	Pocked black powder coated	Black painted	Bright chrome plated
	CL206F1B001	CL206F2A001	CL206F3A008

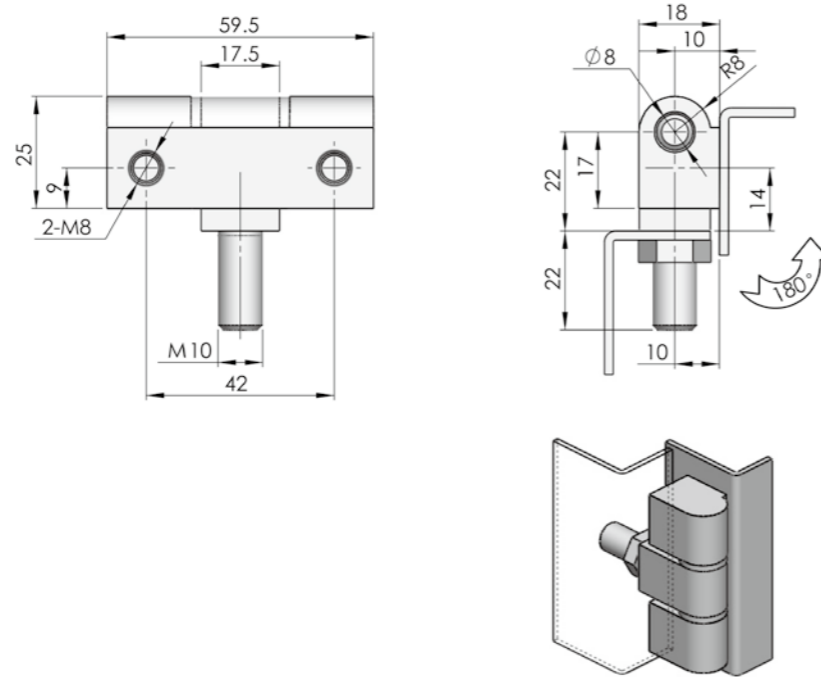
**CL206-3B**



**Main material and finish:** ZDC hinge  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 2000N  
**Axial load:** 1520N  
**Embedded screw recommended**  
**tightening torque :** 50N.m



	Black painted	Bright chrome-plated
ERP	CL206Z2A002	CL206Z3A011

**CL206-12**



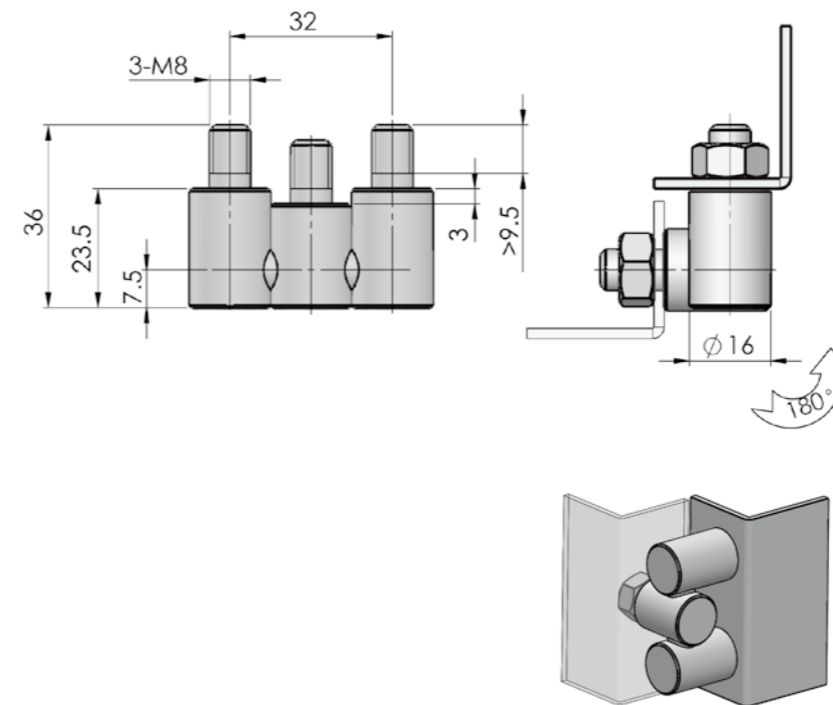
NEW



**Main material and finish:**Wiredrawing polishing SUS316 stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 2000N



ERP	CL206S4B002
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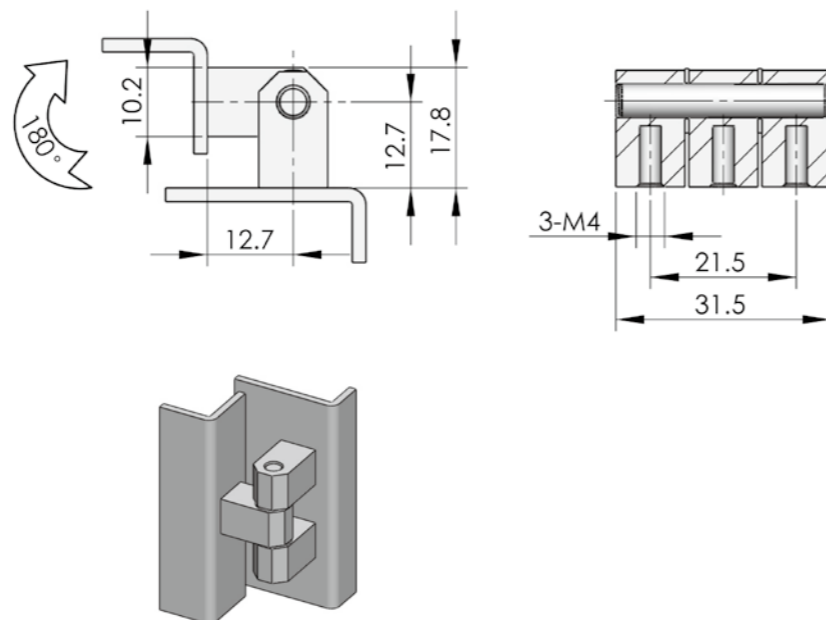
**CL206-4**



**Main material and finish:** ZDC hinge, steel pin  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 1200N  
**Axial load:** 1000N



	Black powder coated	Bright chrome-plated
ERP	CL206Z1A003	CL206Z3A012

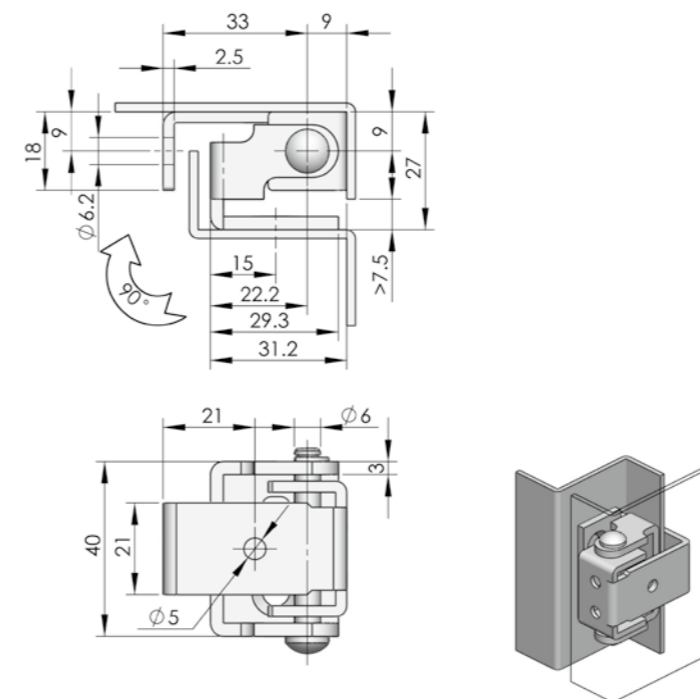
**CL207**



**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 90°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 170N  
**Axial load:** 190N



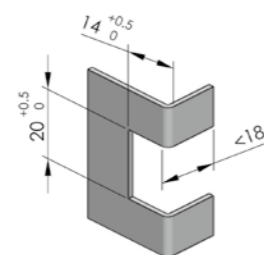
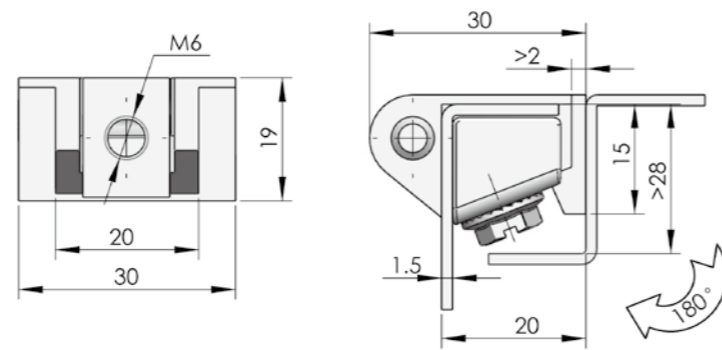
ERP	CL207F3D001
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**CL208**

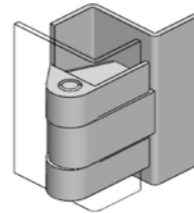


**Main material and finish:** ZDC hinge, steel support and screw  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 240N  
**Axial load:** 520N



Door cutout



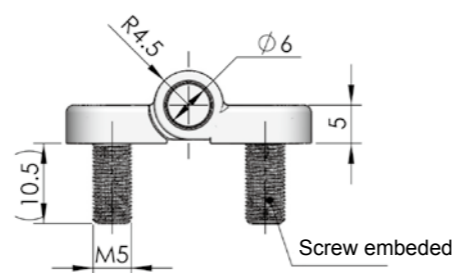
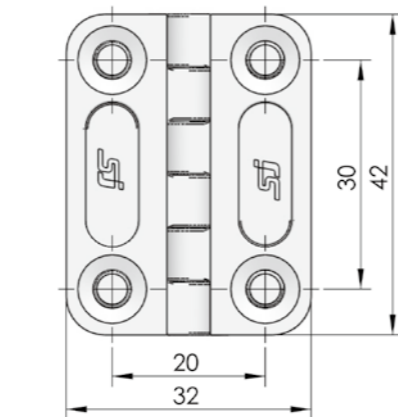
	Matt black powder coated	Nanometer painted	Bright chrome-plated
ERP	CL208Z1A001	CL208Z2B001	CL208Z3A001

**CL209-1C**

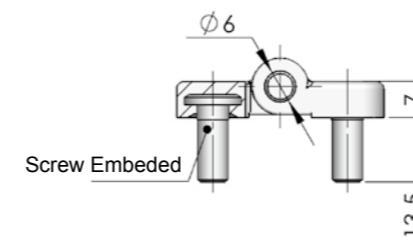
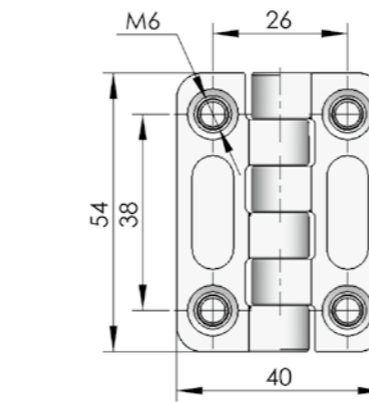


**Main material and finish:** Nanometer painted ZDC hinge, stainless steel shaft and screw  
**Application:** Opening angle 180°

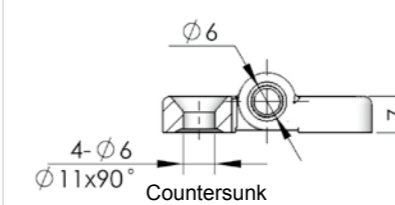
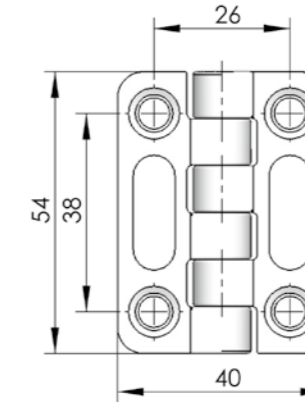
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1800N  
**Axial load:** 1350N  
**Embedded screw recommended**  
**tightening torque :** 9N.m



ERP	CL209Z2B004
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CL209-1



CL209-2

Specification	ERP	
	CL209-1	CL209-2
Bright chrome-plated	CL209Z3A001	CL209Z3A002
Matt black powder coated	CL209Z1A001	CL209Z1A015
Pocked black powder coated	CL209Z1B001	CL209Z1B002
Nanometer painted	CL209Z2B001	CL209Z2B006

**CL209-1**



**CL209-2**



**Main material and finish:** ZDC hinge and steel pin  
**Application:** Opening angle 180°

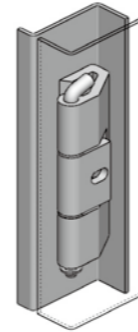
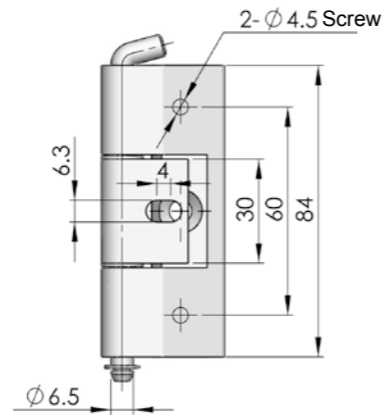
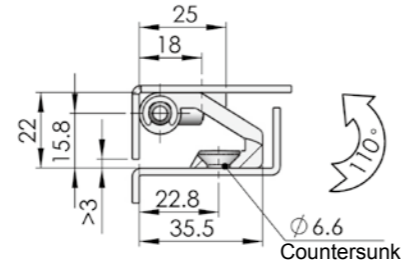
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 1800N  
**Embedded screw recommended**  
**tightening torque :** 10N.m

**CL210**

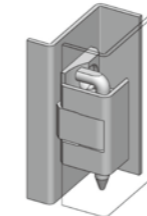
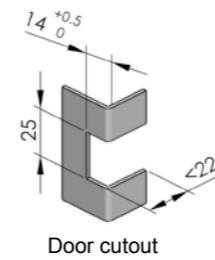
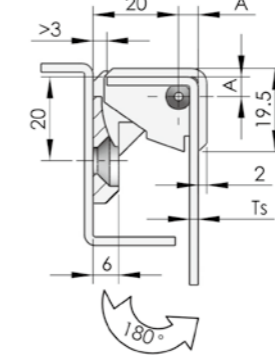
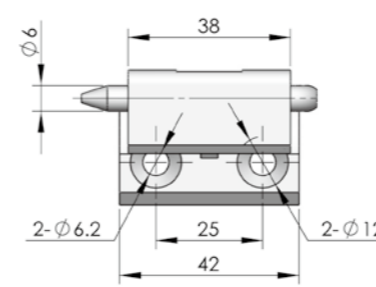


**Main material and finish:** ZDC hinge, steel pin, PA gasket set  
**Application:** Opening angle 110°

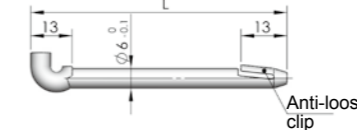
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 720N  
**Axial load:** 830N



	Matt black powder coated	Nanometer painted
ERP	CL210Z1A001	CL210Z2B001



**Optional nylon pin**



Part No.	L
PN001	57
PN002	78

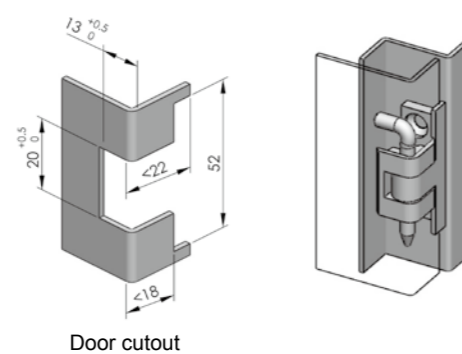
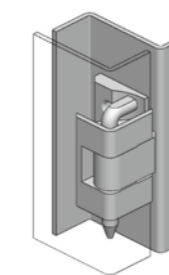
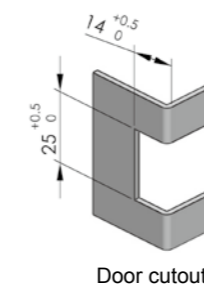
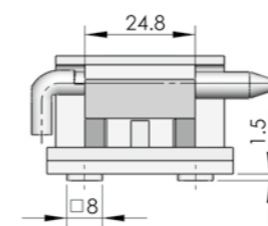
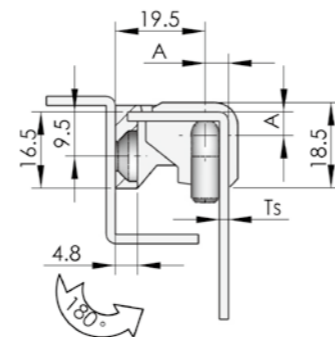
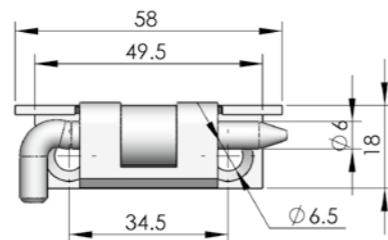
Specification	A	Model	ERP
Suitable door thickness, Ts=2mm	5.1	CL212-1	CL212Z1A001
Suitable door thickness, Ts=3mm	6.1	CL212-2	CL212Z1A003
Suitable door thickness, Ts=1.5mm	4.6	CL212-3	CL212Z1A004

**CL211**

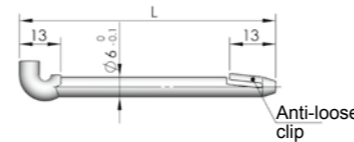


**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 1800N

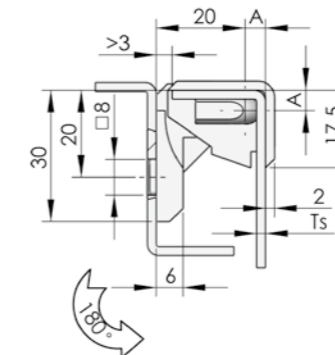
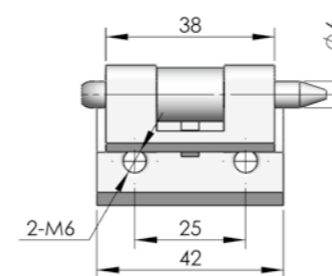


**Optional nylon pin**



Part No.	L
PN001	57
PN002	78

Specification	A	Model	ERP
Suitable door thickness, Ts=1.5mm	4.6	CL211-1	CL211Z1A001
Suitable door thickness, Ts=2mm	5.1	CL211-2	CL211Z1A010



ERP	Specification	A
CL212Z1A007	Suitable door thickness, Ts=2mm	5.1
CL212Z1A008	Suitable door thickness, Ts=3mm	6.1
CL212Z1A009	Suitable door thickness, Ts=1.5mm	4.6

**CL212**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1050N  
**Axial load:** 980N

**CL212-1B/2B/3B**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1050N  
**Axial load:** 980N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

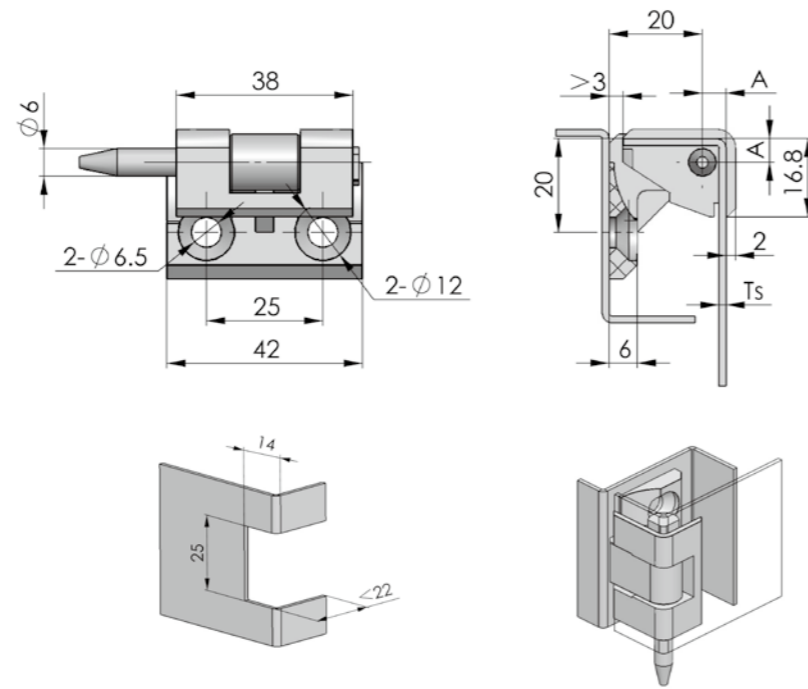
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL212-F**



**Main material and finish:** Black nylon hinge  
**Application:** Opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 77N  
**Axial load:** 105N



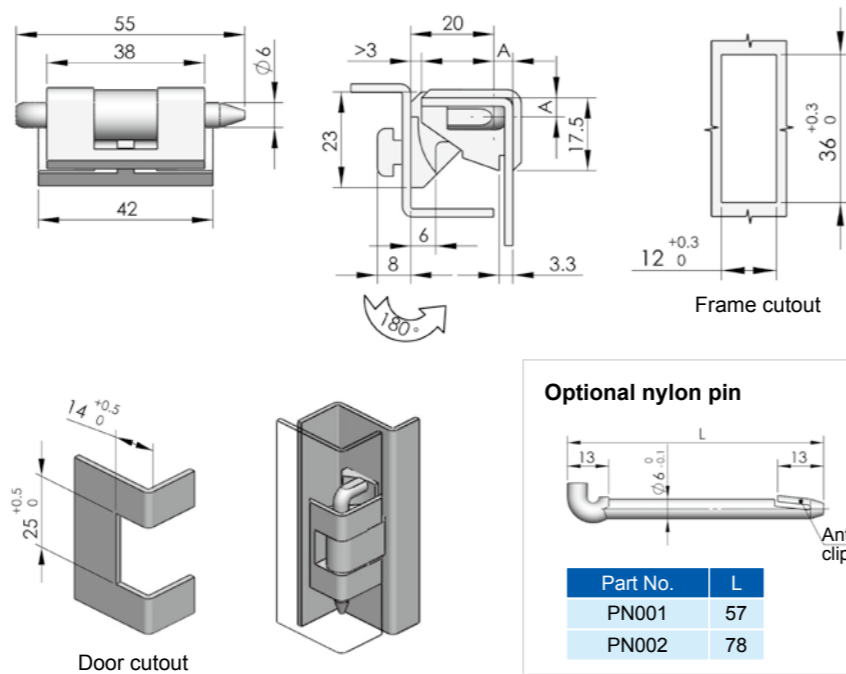
Specification	A	ERP
Suitable door thickness Ts=1.0mm	4.4	CL212N00001
Suitable door thickness Ts=1.5mm	5.1	CL212N00002

**CL212-3A**

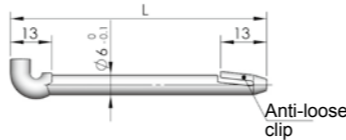


**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1050N  
**Axial load:** 980N

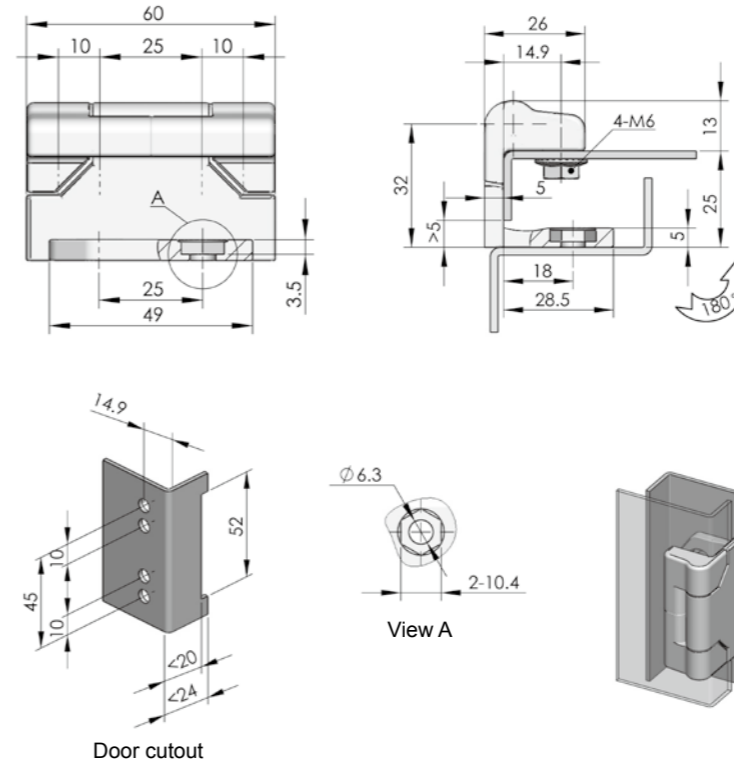


**Optional nylon pin**



Part No.	L
PN001	57
PN002	78

ERP	Specification	A
CL212Z1A002	Suitable door thickness, Ts=2mm	5.1
CL212Z1A005	Suitable door thickness, Ts=3mm	6.1
CL212Z1A006	Suitable door thickness, Ts=1.5mm	4.6



ERP	CL213Z1A001
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**CL213-1**



**Main material and finish:** Black powder coated ZDC hinge, black-plated steel pin, brass gasket  
**Application:** Opening angle 180°

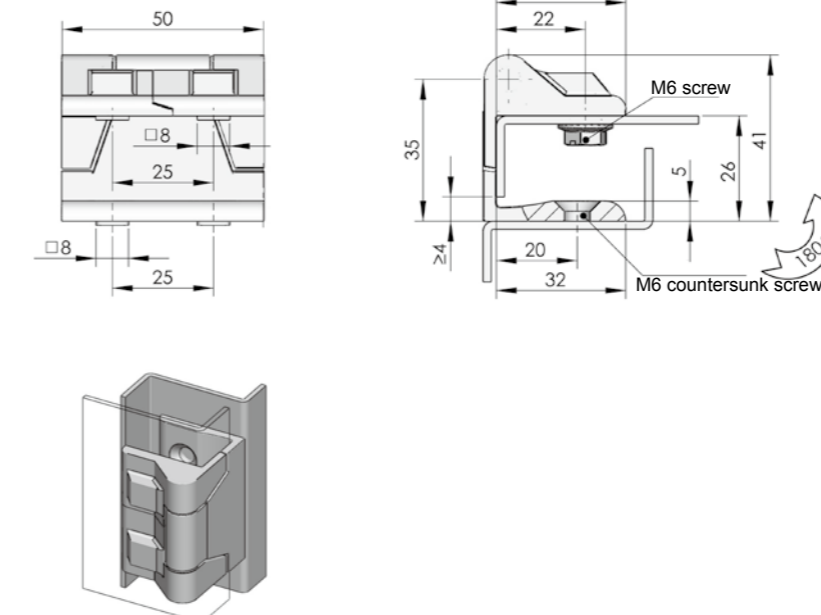
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 980N  
**Axial load:** 630N

**CL213-2**



**Main material and finish:** ZDC hinge, brass gasket and steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 575N  
**Axial load:** 1030N



ERP	Black powder coated	Pocked black powder coated
ERP	CL213Z1A003	CL213Z1B002

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL213-3**



**Main material and finish:** ZDC hinge, PA shaft

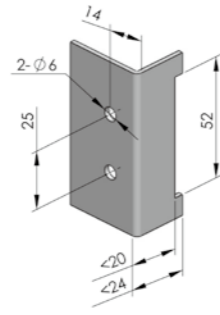
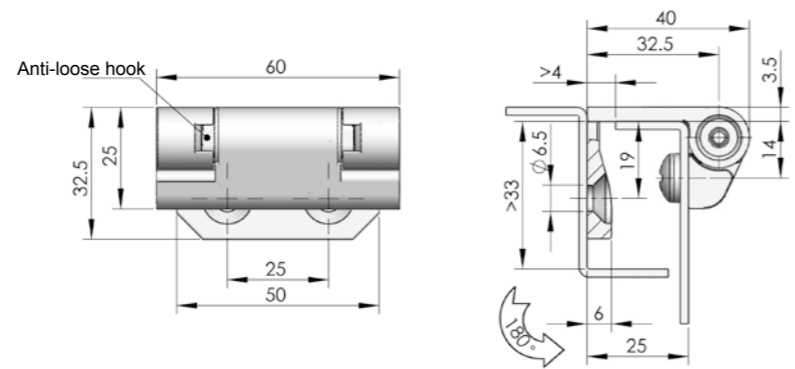
**Application:** Opening angle 180°

**Performance parameter:**

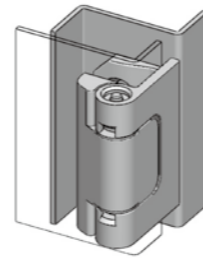
**Maximum static load**

**Radial load:** 670N

**Axial load:** 255N



Door cutout



	Black powder coated	Pocked black powder coated
ERP	CL213Z1A004	CL213Z1B003

**CL213-7**



**Main material and finish:** Powder coated ZDC half-concealed hinge

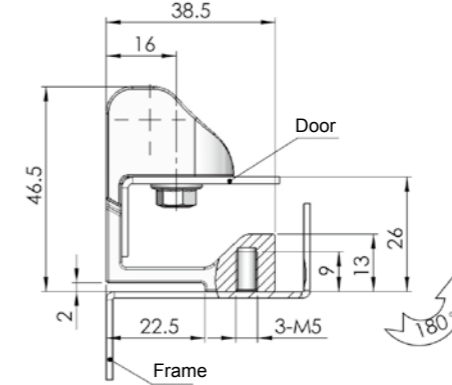
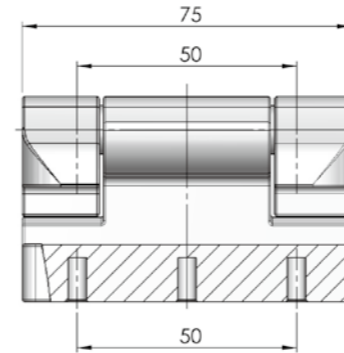
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 680N

**Axial load:** 1225N



ERP	CL213ZXX003
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**CL213-6**



**Main material and finish:** Black powder coated hinge, brass washer and steel pin

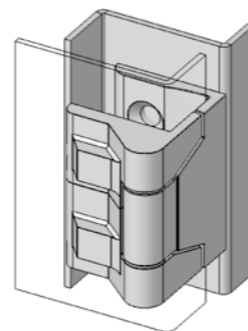
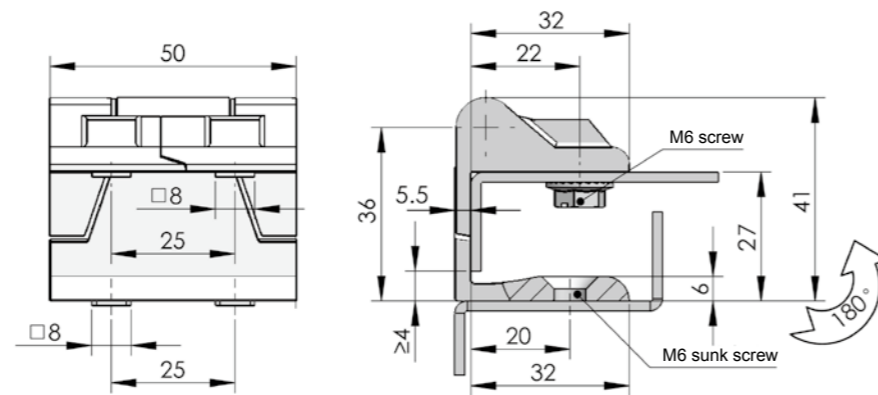
**Application:** Opening angle 180°

**Performance parameter:**

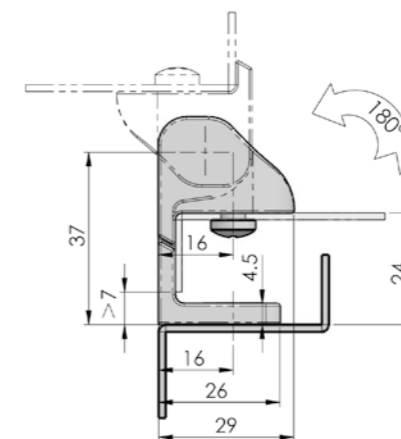
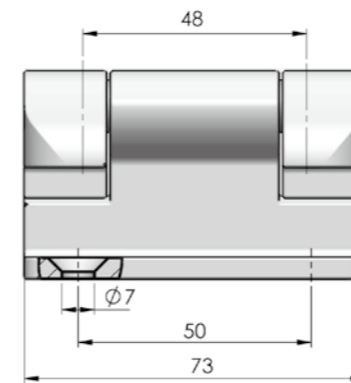
**Maximum static load**

**Radial load:** 1225N

**Axial load:** 775N



ERP	CL213Z1A007
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ERP	CL213ZXX007
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**CL213-9**



**Main material and finish:** Orange-peel (RAL7035) powder coated ZDC hinge leaf and stainless steel pin

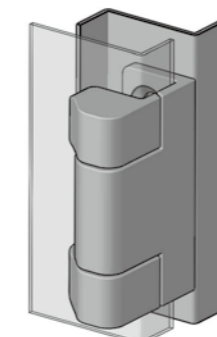
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 320N

**Axial load:** 350N



ERP	CL213ZXX007
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**CL214**



**Main material and finish:** ZDC hinge and steel pin

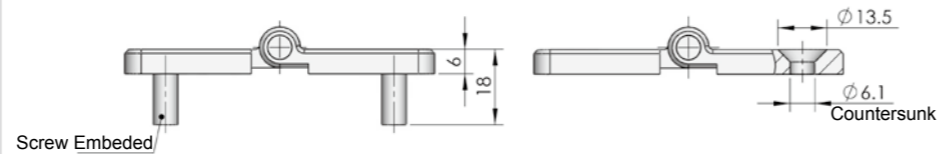
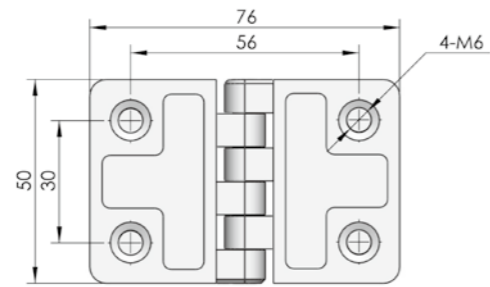
**Application:** Opening angle 180°

**Performance parameter:**

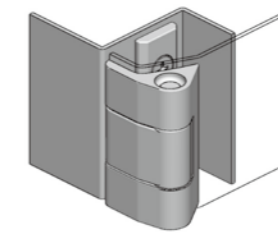
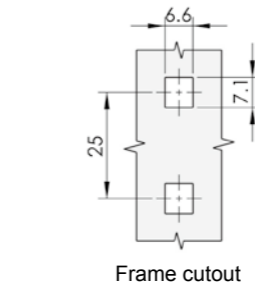
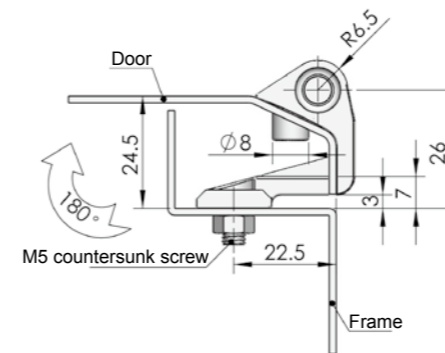
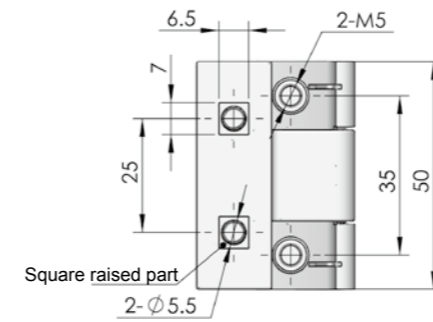
**Maximum static load**

**Radial load:** 1125N

**Axial load:** 1490N



Specification	ERP	
	CL214-1	CL214-2
Bright chrome-plated	CL214Z3A001	CL214Z3A002
Matt black powder coated	CL214Z1A001	CL214Z1A003
Pocked black powder coated	CL214Z1B001	CL214Z1B002
Nanometer painted	CL214Z2B001	CL214Z2B002



ERP CL216Z1A001

**CL216**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin

**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 570N

**Axial load:** 480N

**CL215**



**Main material and finish:** White zinc plated steel hinge, PA washer

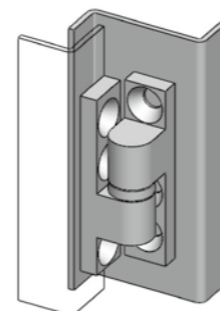
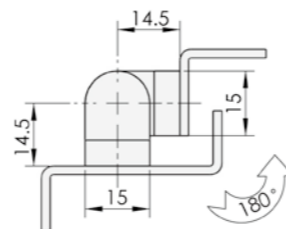
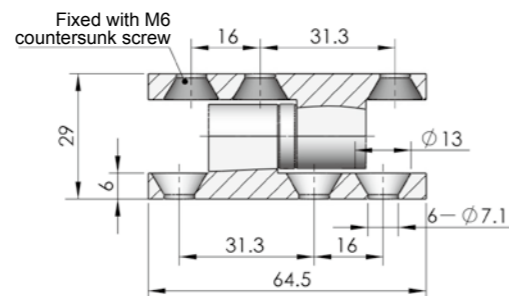
**Application:** Opening angle 180°

**Performance parameter:**

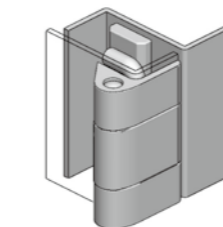
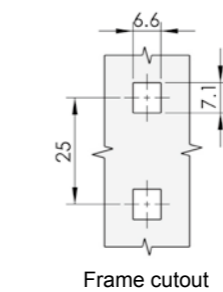
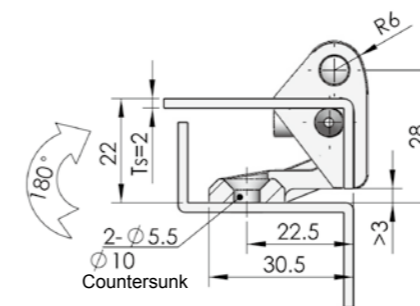
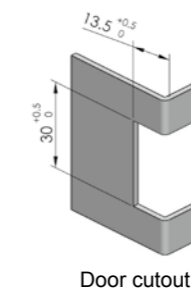
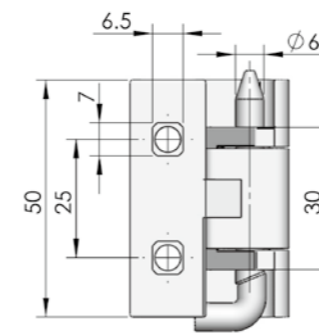
**Maximum static load**

**Radial load:** 750N

**Axial load:** 850N



ERP CL215F3D001



ERP CL217Z1A001

**CL217**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin

**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 550N

**Axial load:** 470N

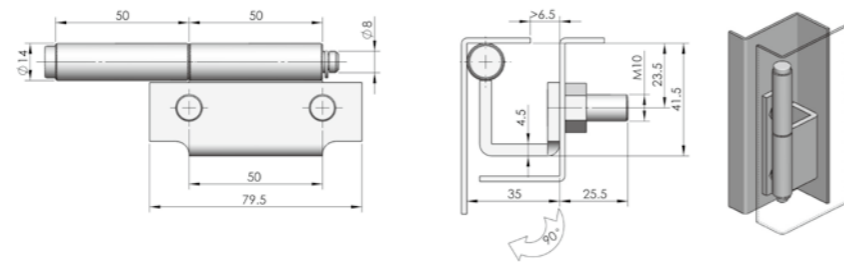


**CL218**



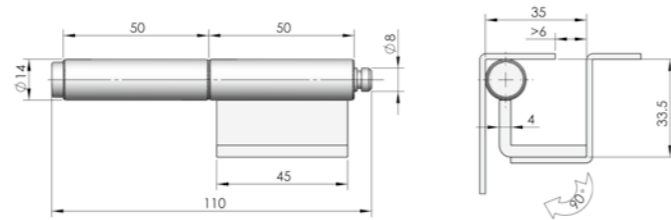
**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 570N  
**Axial load:** 780N



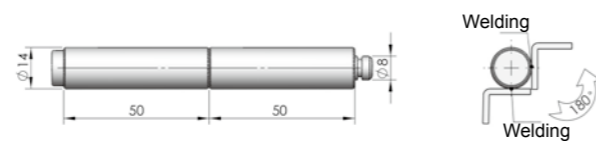
CL218-1

ERP CL218F3D001



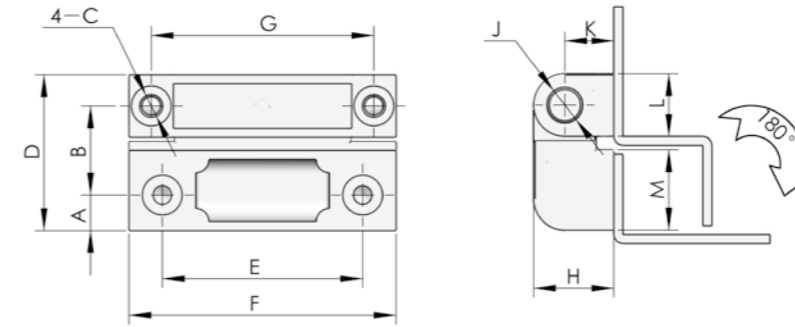
CL218-2

ERP CL218F3D002

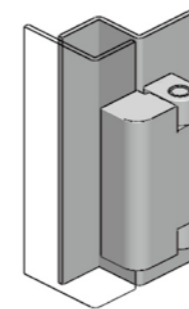


CL218-3

ERP CL218F3D003



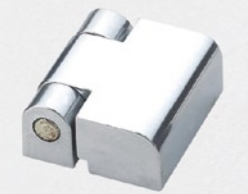
O-ring seals onto the screw holes will be provided if required



O-ring seals onto the screw holes will be provided if required

ERP	Specification												
	Structure	A	B	C	D	E	F	G	H	J	K	L	M
CL219Z1A001	Non-damping	8	20	M5	35	45	60	50	18	∅8	11	14	18
CL219Z1A005	Non-damping	4	13	M4	22	22	30	22	13	∅5	8	10	9
CL219Z1A007	Non-damping	4	18.5	M4	27.5	22	30	22	13	∅5	8	10	14.5

**CL219**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**

**Model: CL219-1**  
Radial load: 1000N  
Axial load: 1200N

**Model: CL219-2**  
Radial load: 600N  
Axial load: 460N

**Model: CL219-3**  
Radial load: 700N  
Axial load: 800N

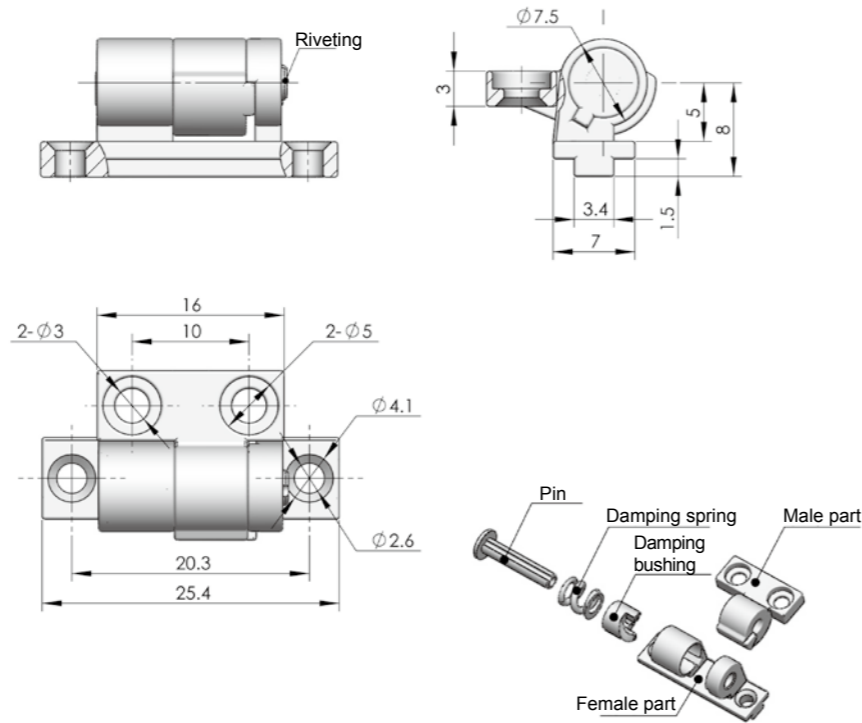
**CL220**



**Main material and finish:** Gray chrome-plated ZDC hinge, nickel-plated steel pin

**Performance parameter:**

**Maximum static load**  
**Radial load:** 290N  
**Axial load:** 160N



ERP	CL220Z3B001
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**CL222**

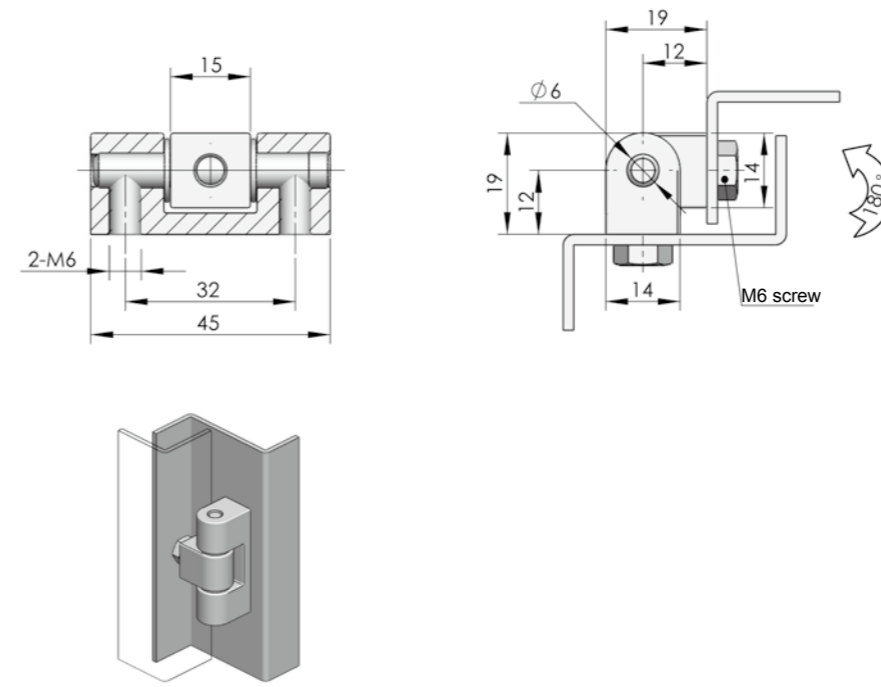


**Main material and finish:** ZDC hinge, nickel-plated steel pin, PA bushing

**Application:** Opening angle 180°

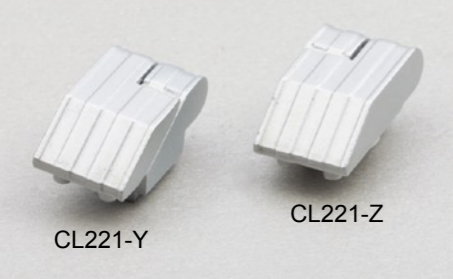
**Performance parameter:**

**Maximum static load**  
**Radial load:** 1675N  
**Axial load:** 2000N



	Black powder coated	Pocked black powder coated	Bright chrome-plated	Nanometer painted
ERP	CL222Z1A001	CL222Z1B001	CL222Z3A001	CL222Z2B002

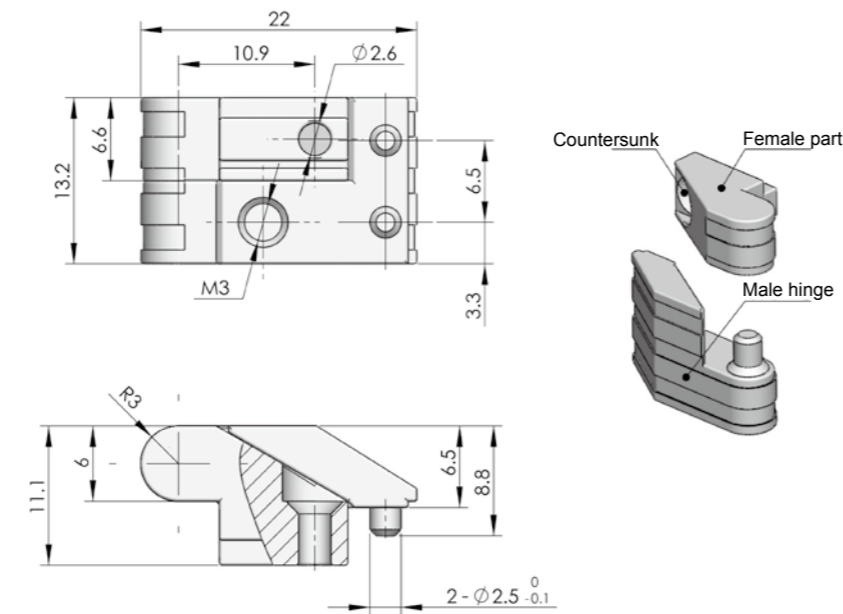
**CL221**



**Main material and finish:** Nanometer painted ZDC hinge

**Performance parameter:**

**Maximum static load**  
**Radial load:** 55N  
**Axial load:** 75N



ERP	Specification
CL221Z2B001	LH applicable
CL221Z2B002	RH applicable

**CL223**

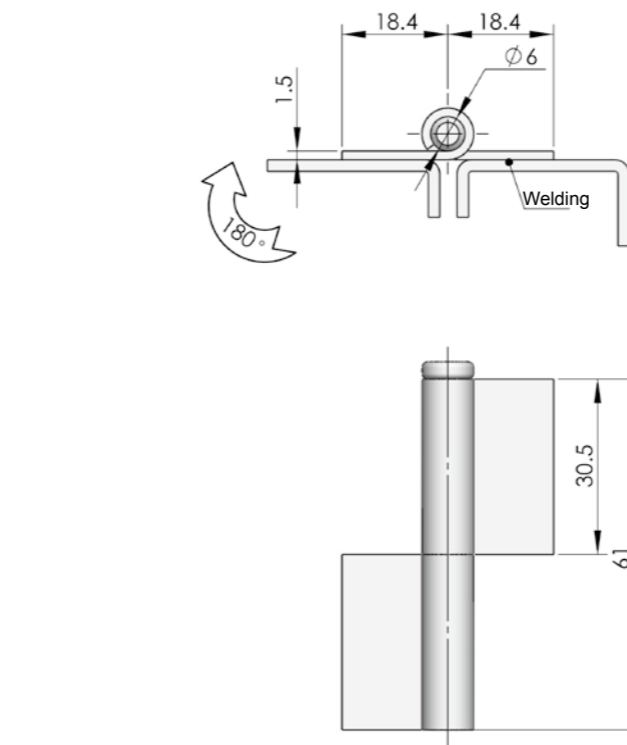


**Main material and finish:** White zinc plated steel hinge leaf

**Application:** Opening angle 180°

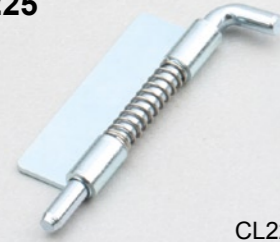
**Performance parameter:**

**Maximum static load**  
**Radial load:** 390N  
**Axial load:** 1260N



ERP	CL223F3D001
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**CL225**



CL225-1



CL225-1A



CL225-2

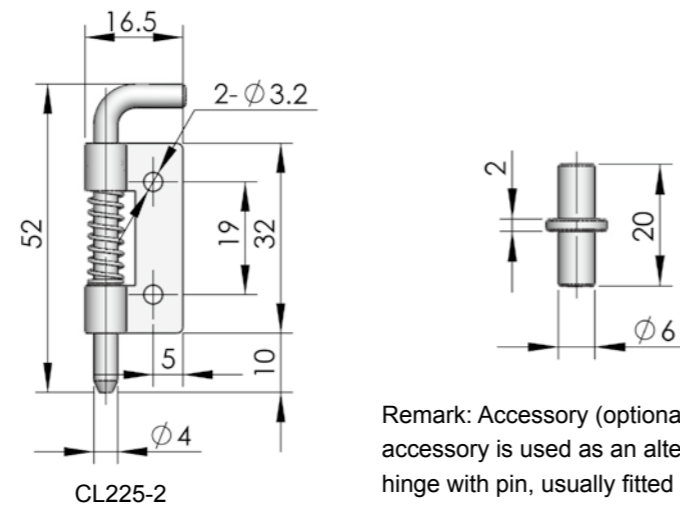
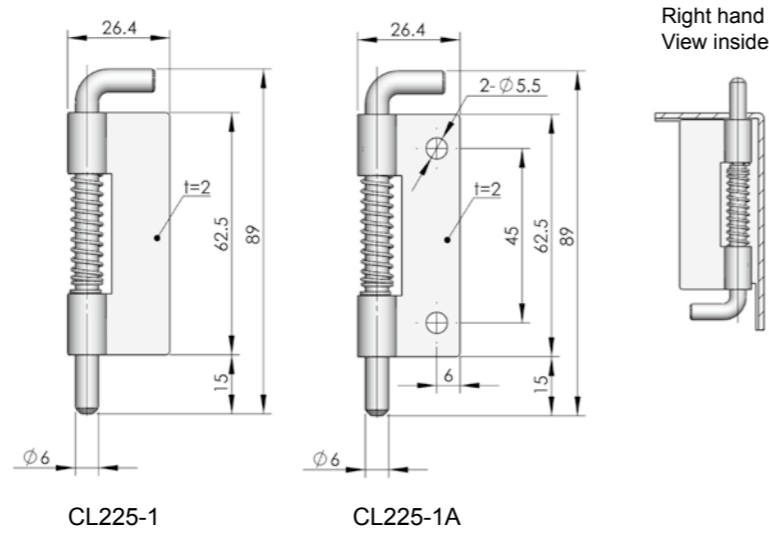


**Main material and finish:** White zinc plated steel hinge leaf

**Performance parameter:**  
**Maximum static load**

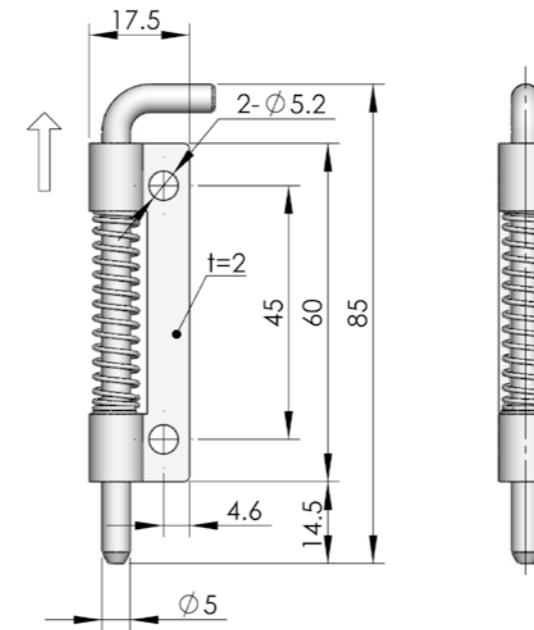
**Model:** CL225-1/1A  
**Radial load:** 150N  
**Axial load:** 200N

**Model:** CL225-2  
**Radial load:** 100N  
**Axial load:** 130N

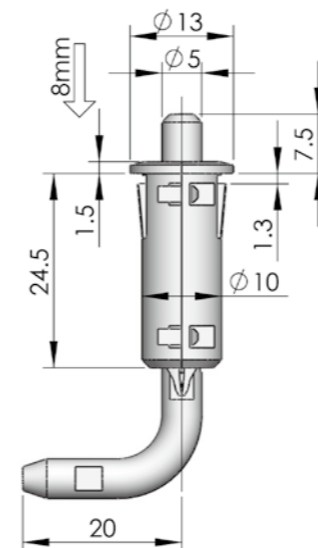


Remark: Accessory (optional) This accessory is used as an alternative to the hinge with pin, usually fitted at the bottom of the door as load-bearing fixing door

LH		RL		Specification
Model	ERP	Model	ERP	
CL225-1-Z	CL225F3D001	CL225-1-Y	CL225F3D004	Standard type: white zinc plated steel hinge. A means hinge with two mounting holes, S means grinding vibration polishing stainless steel hinge.
CL225-1-S-Z	CL225S00001	CL225-1-S-Y	CL225S00002	
CL225-1A-Z	CL225F3D008	CL225-1A-Y	CL225F3D007	
CL225-1A-S-Z	CL225S00010	CL225-1A-S-Y	CL225S00011	
CL225-2-Z	CL225F3D011	CL225-2-Y	CL225F3D012	White zinc plated steel hinge with two mounting holes

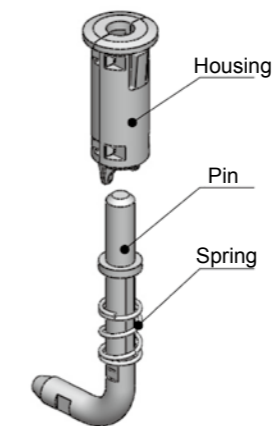


	LH	RH
ERP	CL225F3D022	CL225F3D019



ERP CL225N00001

**Exploded drawing**



**CL225-3**



CL225-3-Y

CL225-3-Z



**Main material and finish:** White zinc plated steel hinge leaf

**Performance parameter:**

**Maximum static load**

**Radial load:** 150N

**Axial load:** 250N

**CL225-5**



**Main material and finish:** Black PA hosing, white zinc-plated ZDC latch, stainless steel spring

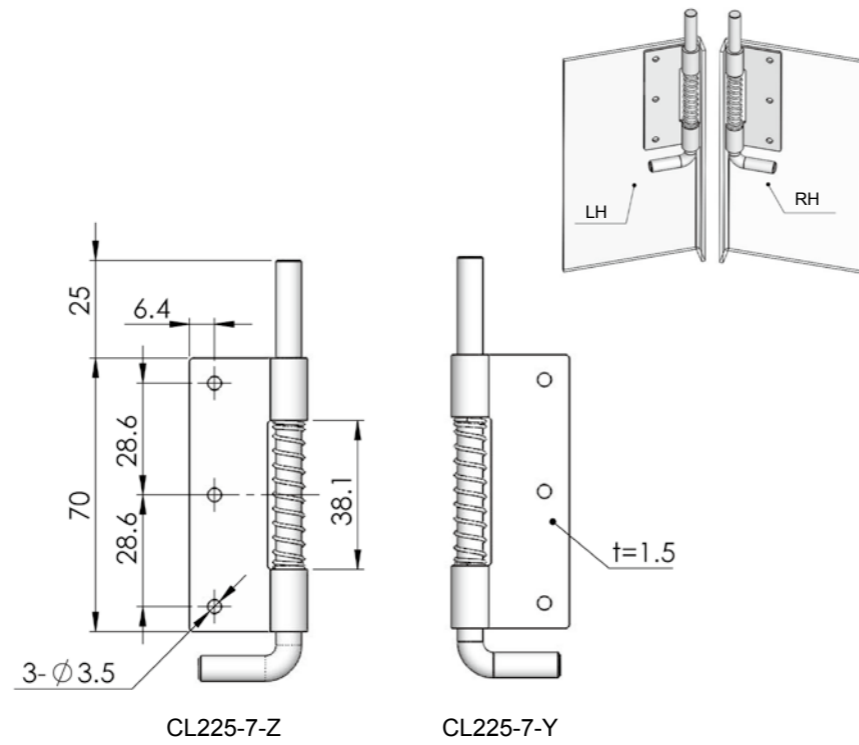
**Application:** Telescopic 8mm

**CL225-7**



**Main material and finish:** White zinc plated steel hinge leaf

**Performance parameter:**  
Maximum static load  
Radial load: 525N  
Axial load: 125N



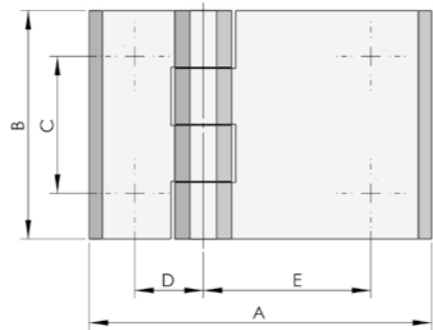
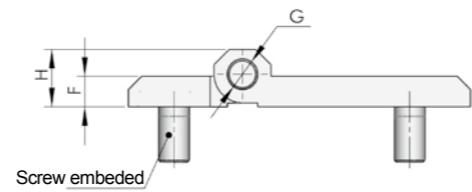
	CL225-7-Z LH	CL225-7-Y RH
ERP	CL225F3J001	CL225F3J002

**CL226-4A**

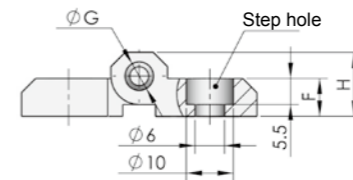
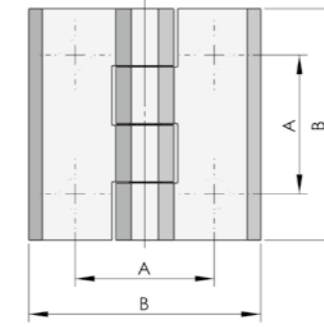
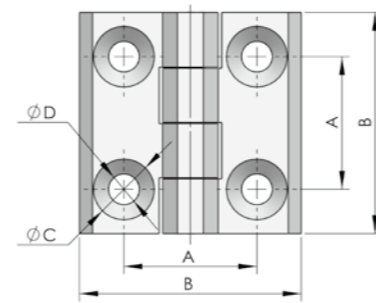
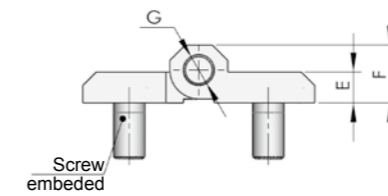
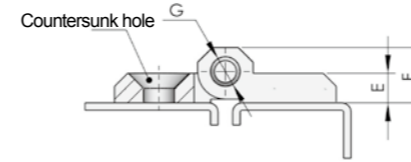


**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening degree 180°

**Performance parameter:**  
Maximum static load  
Radial load: 1120N  
Axial load: 1200N  
Embedded screw recommended tightening torque : 12N.m



Model	ERP	Specification								Remark
		A	B	C	D	E	F	G	H	
CL226-4-1	CL226Z1A019	90	60	36	18	44	8	8	15	Ø8.4 Countersunk hole,ZDC
CL226-4A-1	CL226Z1A020	90	60	36	18	44	8	8	15	M8 Screw embedded, ZDC
CL226-4-2	CL226Z1A021	63	50	30	15	28	6	6	11.5	Ø6.3 Countersunk hole, stainless steel
CL226-4A-2	CL226Z1A022	63	50	30	15	28	6	6	11.5	M6 Screw embedded, ZDC



**CL226**



CL226-1



CL226-2



CL226-3



CL226-2A



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Model: CL226-1**  
Radial load: 1500N    Axial load: 1800N  
**Model: CL226-2**  
Radial load: 1200N    Axial load: 1300N  
**Model: CL226-3**  
Radial load: 1000N    Axial load: 1200N  
**Model: CL226-2A**  
Radial load: 1200N    Axial load: 1300N  
**Embedded screw recommended tightening torque : 10N.m**

Model	ERP	Specification							Remark
		A	B	C	D	E	F	G	
CL226-1	CL226Z1A001	36	60	16.5	8.4	8	15	8	Countersunk hole,ZDC
CL226-1A	CL226Z1A006	36	60	16.5	8.4	8	15	8	Screw embedded, ZDC
CL226-1B	CL226S9C001	36	60	16.5	8.4	8	15	8	Countersunk hole,stainless steel
CL226-2	CL226Z1A009	30	50	12.5	6.3	6	11.5	6	Countersunk hole,ZDC
CL226-2A	CL226Z1A010	30	50	Refer to detailed drawing	6	11.5	6	6	Screw embedded, ZDC
CL226-2C	CL226Z1A011	30	50	Refer to detailed drawing	6	11.5	6	6	Step hole,ZDC
CL226-2S	CL226N00001	30	50	12.5	6.3	6	11.5	6	Countersunk hole,PA
CL226-2B	CL226S4B001	30	50	12.5	6.3	6	11.5	6	Countersunk hole,stainless steel
CL226-3	CL226Z1A015	25	40	10.2	5.3	5	9	4	Countersunk hole,ZDC
CL226-3A	CL226Z1A017	25	40	10.2	5.3	5	9	4	Screw embedded, ZDC

**CL226-5A**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

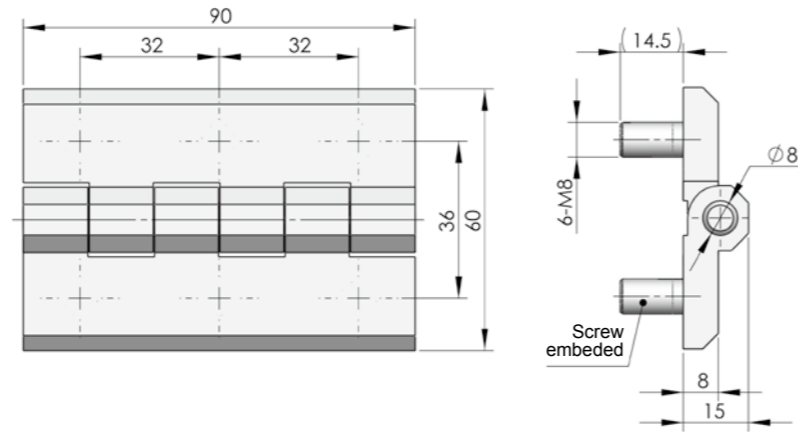
**Performance parameter:**

**Maximum static load**

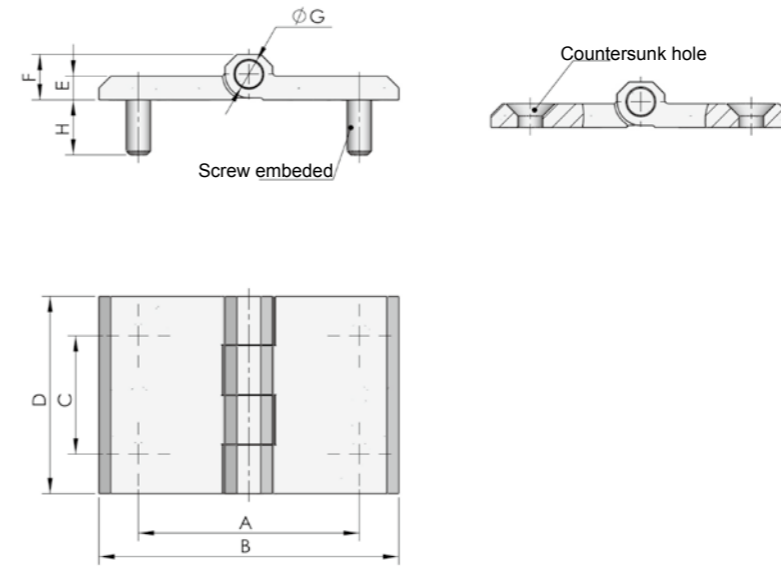
**Radial load:** 1120N

**Axial load:** 1200N

**Embedded screw recommended tightening torque :** 12N.m



	<b>CL226-5A-Z LH</b>	<b>CL226-5A-Y RH</b>
<b>ERP</b>	CL226Z1A024	CL226Z1A025



Model	ERP	Specification								Remark
		A	B	C	D	E	F	G	H	
CL226-7-1	CL226Z1A028	56	76	30	50	6	11.5	6		Ø6.3 Countersunk hole, ZDC
CL226-7A-1	CL226Z1A029	56	76	30	50	6	11.5	6	12.5	M6 Screw embedded, ZDC
CL226-7-2	CL226Z1A034	88	120	36	60	8	15	8		Ø6.8 Countersunk hole, ZDC
CL226-7A-2	CL226Z1A030	88	120	36	60	8	15	8	16.5	M8 Screw embedded, ZDC

**CL226-7  
CL226-7A**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 1120N

**Axial load:** 1200N

**Embedded screw recommended tightening torque :** 12N.m

**CL226-6A**



**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

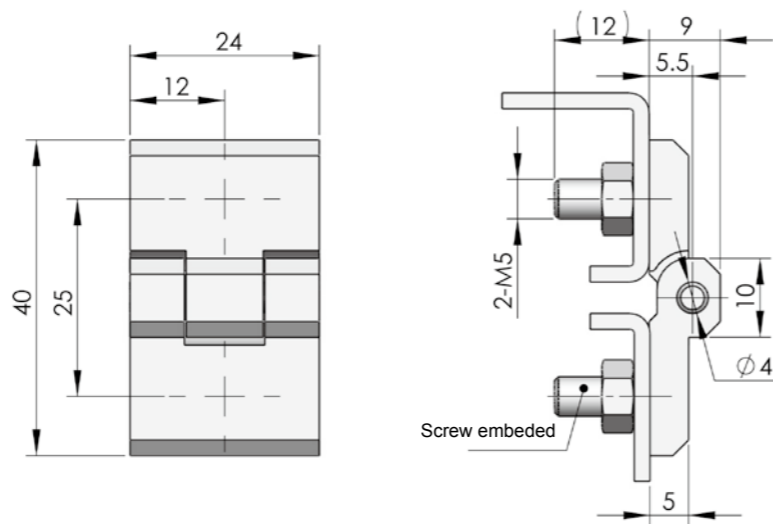
**Performance parameter:**

**Maximum static load**

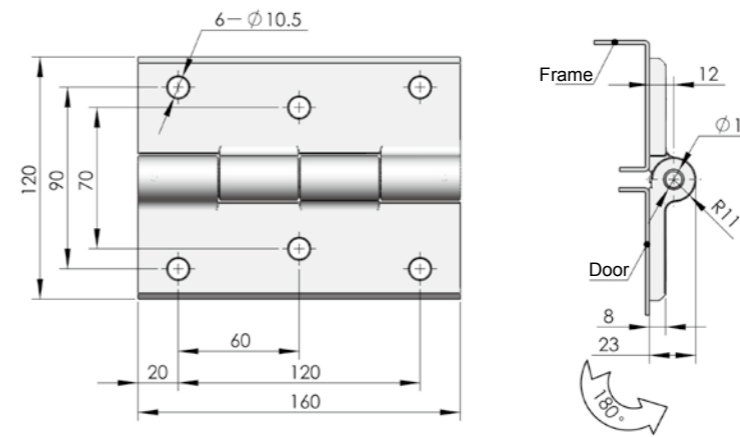
**Radial load:** 520N

**Axial load:** 210N

**Embedded screw recommended tightening torque :** 9N.m



<b>ERP</b>	CL226Z1A026
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<b>ERP</b>	CL226F2B001
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**CL226-8**



**Main material and finish:** Nanometer painted steel hinge leaf, shaft  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**

**Radial load:** 3000N

**Axial load:** 3000N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

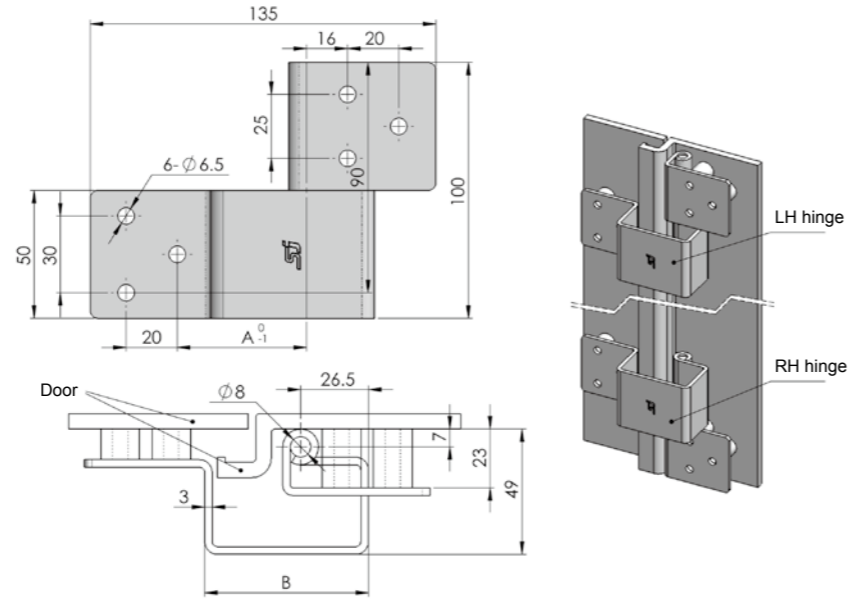
Seal gasket



**CL229-2A**  
**CL229-2B**

**Main material and finish:**Electrolysis stainless steel hinge  
**Application:** Opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 425N  
**Axial load:** 225N



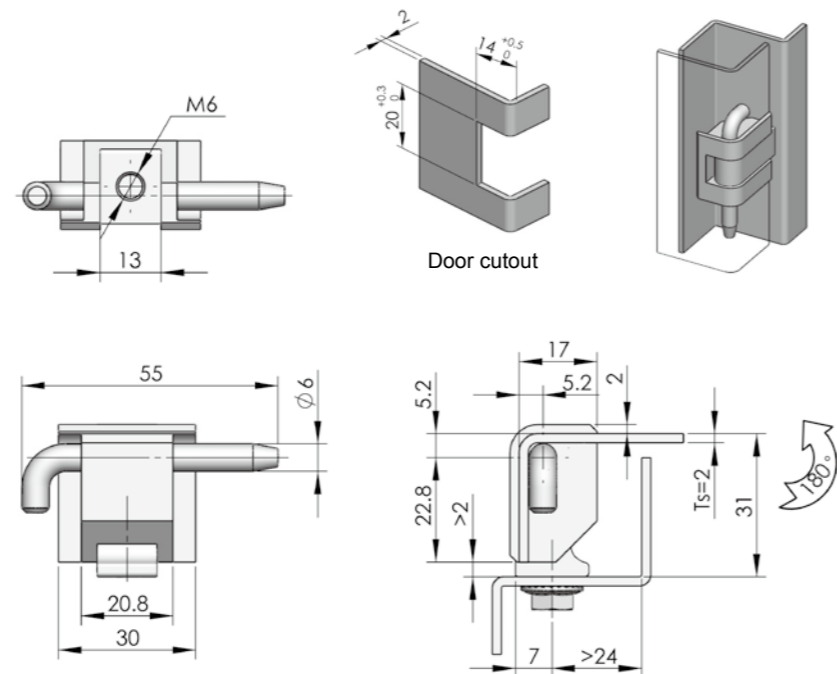
Model	ERP	Specification	
		A	B
CL229-2A-Z	CL229S9C001	50.5	64
CL229-2A-Y	CL229S9C003	50.5	64
CL229-2B-Z	CL229S9C002	56.5	68
CL229-2B-Y	CL229S9C004	56.5	68



**CL230-3**

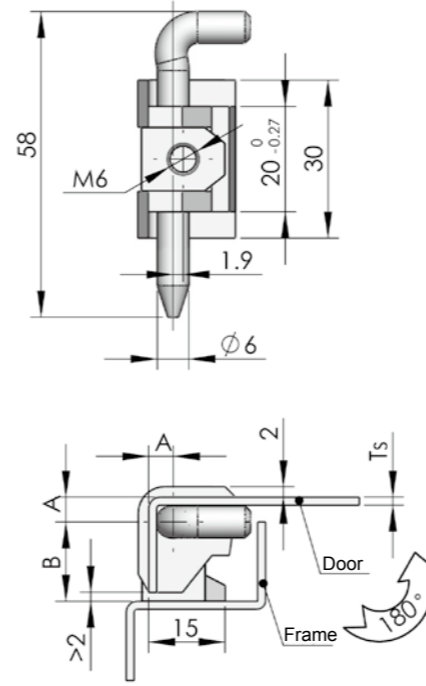
**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 940N  
**Axial load:** 720N

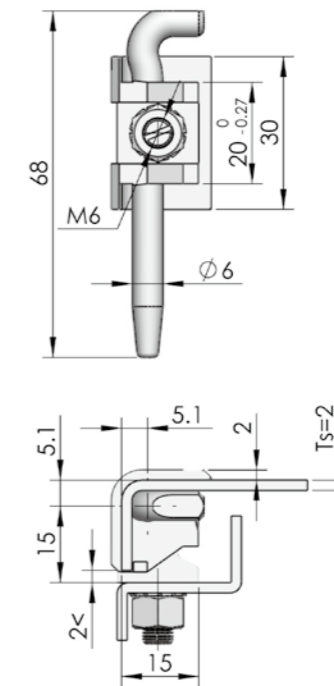


Remark: Nylon pin optional, details refer to CL230

ERP	CL230Z1A026
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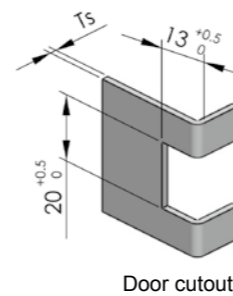


CL230

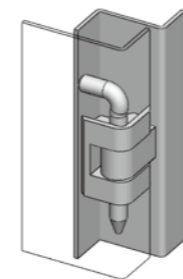


CL230-4

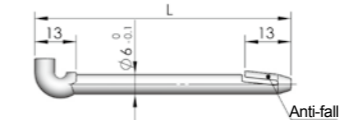
ERP	CL230S4B001
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Door cutout



Nylon pin (Optional)



Part No.	L
PN001	57
PN002	78

Model	ERP	Specification		
		Ts	A	B
CL230-1	CL230Z1A001	Ts=1.5	4.6	15
CL230-2	CL230Z1A013	Ts=2	5.1	15
CL230-1A	CL230Z1A004	Ts=1.5	4.6	17
CL230-2A	CL230Z1A016	Ts=2	5.1	17
CL230-1B	CL230Z1A007	Ts=1.5	4.6	19
CL230-2B	CL230Z1A019	Ts=2	5.1	19



**CL230**

**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Model:** CL230-1  
**Radial load:** 940N **Axial load:** 720N



**CL230-4**

**Main material and finish:** Wire-drawing polishing stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 900N  
**Axial load:** 700N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

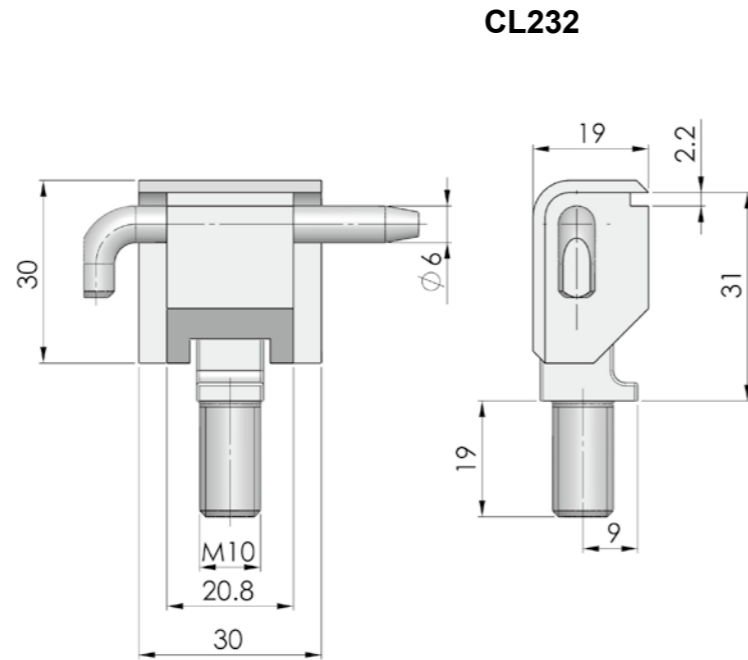
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL230-3-1D**



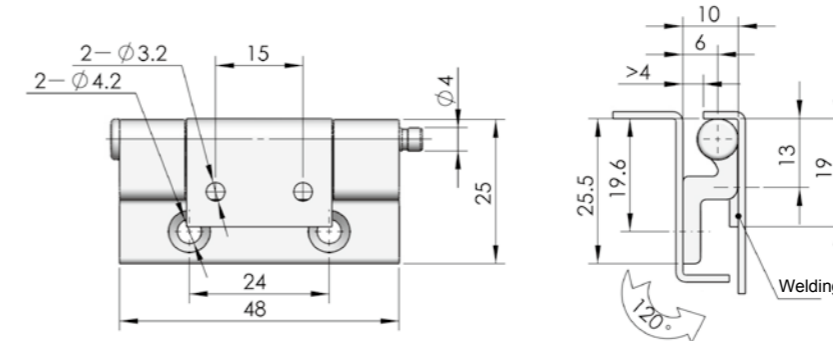
**Main material and finish:** Bright chrome plated ZDC hinge and steel shaft  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 940N  
**Axial load:** 720N



ERP

CL230Z3A019



ERP

CL232Z3H001

**CL232**



**Main material and finish:** Sand-spraying and bright chrome-plated ZDC female hinge, white zinc-plated steel male hinge, nickel plated steel pin  
**Application:** Opening angle 120°

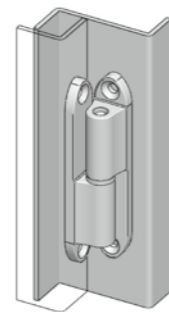
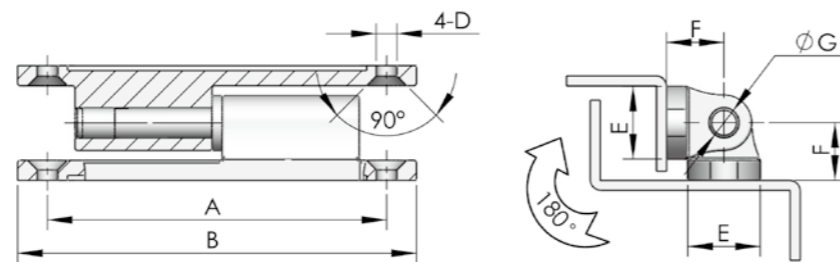
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 420N  
**Axial load:** 1050N

**CL231**

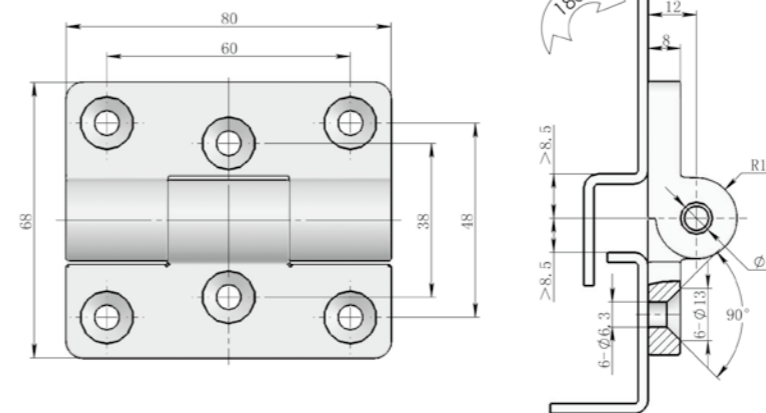


**Main material and finish:** Bright chrome plated ZDC hinge, nickel-plated steel pin, brass gasket  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Model:** CL231-1  
**Radial load:** 330N **Axial load:** 760N  
**Model:** CL231-2  
**Radial load:** 575N **Axial load:** 125N



Model	ERP	Specification						
		A	B	C	D	E	F	G
CL231-1	CL231Z3A001	68	80	∅8	∅4.2	14.5	11.5	∅6
CL231-2	CL231Z3A004	48	60	∅9.4	∅4.5	13	9.5	∅5



ERP

CL233S9C001

**CL233**



**Main material and finish:** Electrolysis or polishing stainless steel hinge  
**Application:** Opening angle 180°

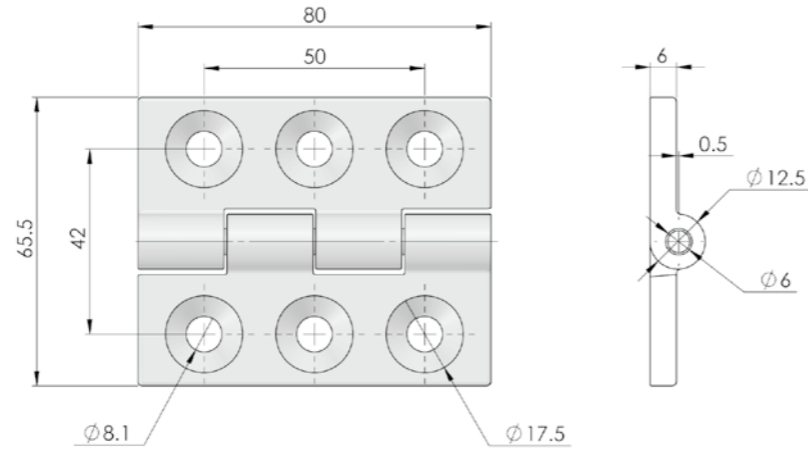
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 3000N  
**Axial load:** 3000N

**CL233-2**



**Main material and finish:** Black powder coated ZDC hinge, steel pin  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1000N  
**Axial load:** 1200N



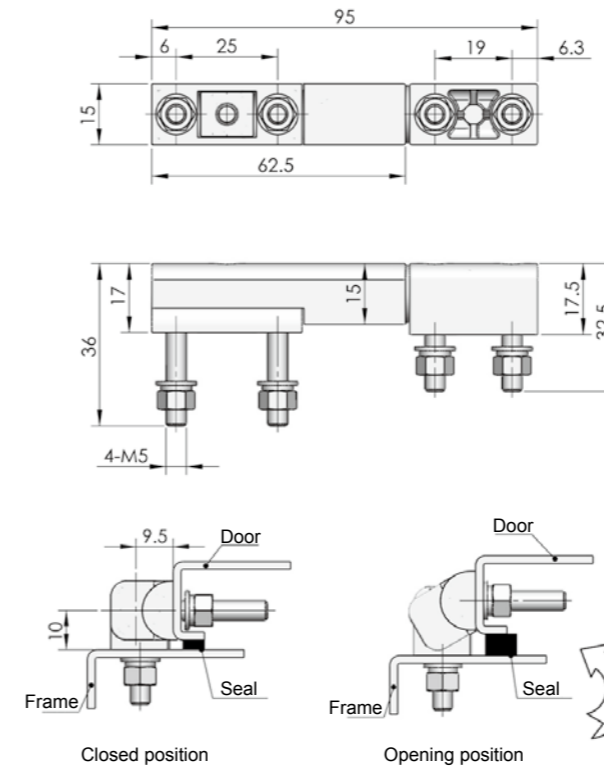
ERP CL233Z1A001

**CL235**



**Main material and finish:** Pocked black powder coated ZDC hinge, stainless steel screw  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 165N  
**Axial load:** 980N



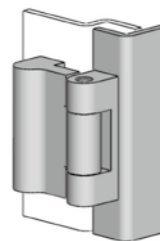
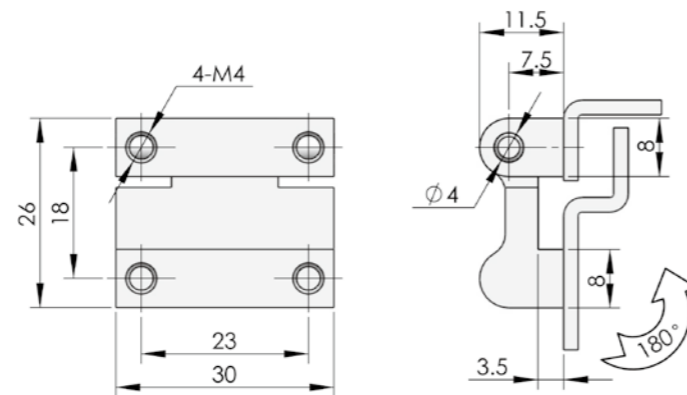
ERP CL235Z1B001

**CL234**

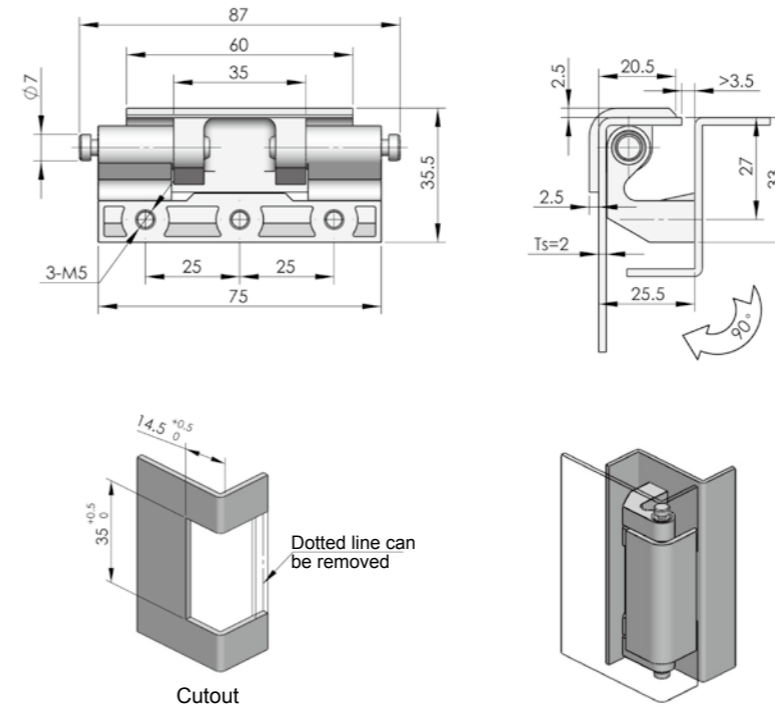


**Main material and finish:** Black powder coated ZDC hinge, nickel-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1150N  
**Axial load:** 700N



	Black powder coated	Nanometer painted
ERP	CL234Z1A001	CL234Z2B001



	Black painted	Nanometer painted
ERP	CL236Z2A001	CL236Z2B001

**CL236**



**Main material and finish:** Black painted ZDC hinge, white zinc-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1250N  
**Axial load:** 600N

Hinge

Seal gasket

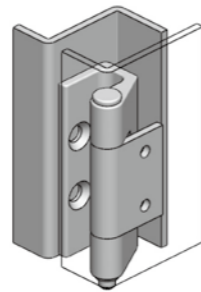
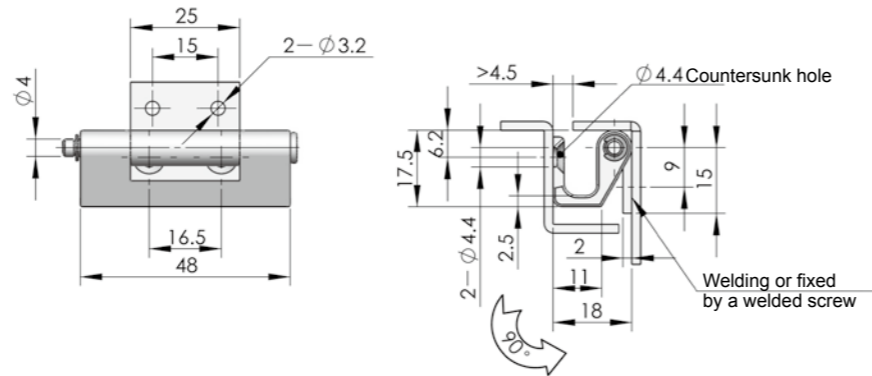


**CL237**

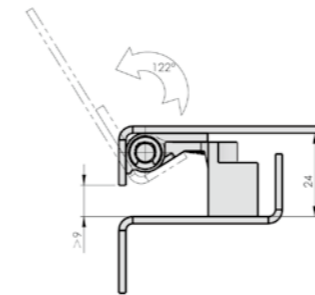
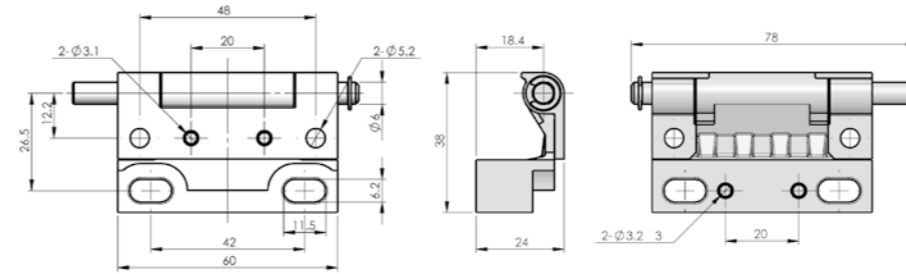


**Main material and finish:** Sand-spraying and nickel-plated ZDC female hinge, white zinc-plated steel male hinge, nickel plated steel pin  
**Application:** Opening angle 90°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1295N  
**Axial load:** 290N

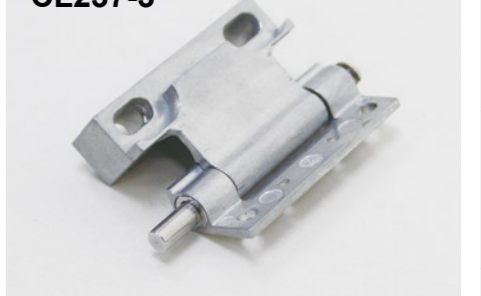


ERP	Sand-spraying and bright chrome-plated CL237Z3H001	Sand-spraying and nickel-plated CL237Z3I001
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ERP	CL237Z00001
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**CL237-3**



**Main material and finish:** ZDC hinge and stainless steel shaft  
**Application:** Opening angle 122°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 560N  
**Axial load:** 840N

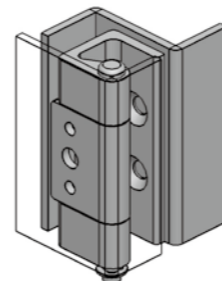
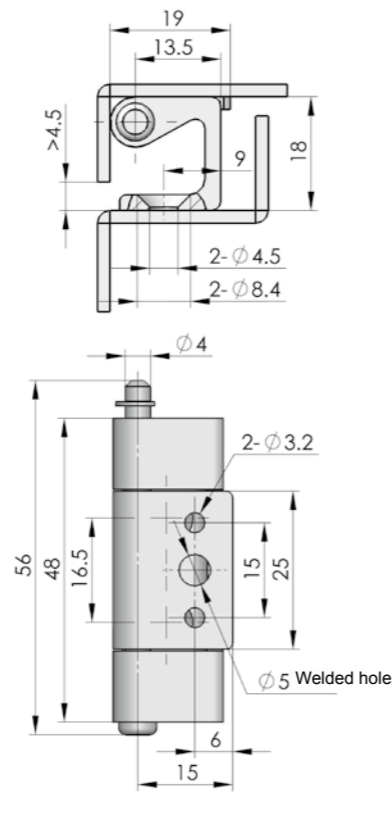
**CL237-2**



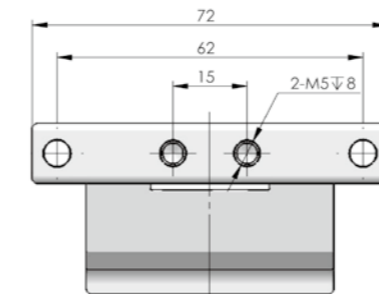
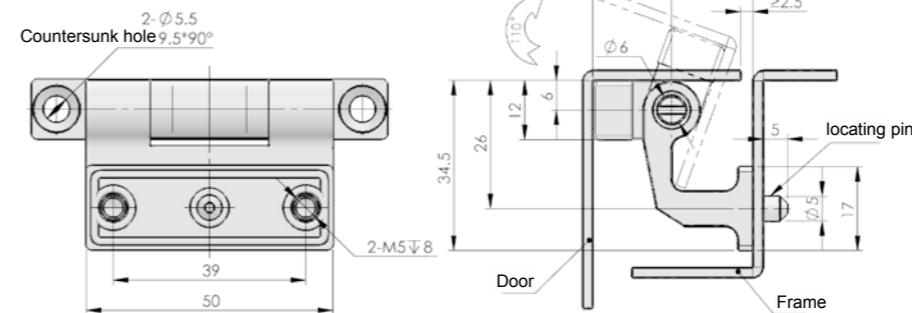
**Main material and finish:** Griega painted (high salt mist resistant) female hinge, electrolysis male hinge and 316 stainless steel shaft

**Application:** Maximum opening angle 100°  
**Remark:** Female hinge fixed with M4 screw (not provide), male hinge fixed with riveting or welding of cabinet door

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 750N  
**Axial load:** 365N



ERP	CL237S2G001
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ERP	CL237Z1A001
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**CL237-4**



**Main material and finish:** Black powder coated ZDC hinge leaf, stainless steel pin and silicone washer  
**Application:** Opening angle 110°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1180N  
**Axial load:** 1540N

**CL238**



CL238-1



CL238-2

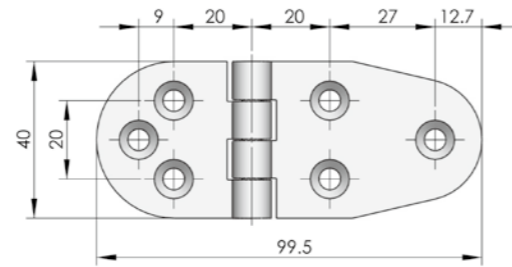
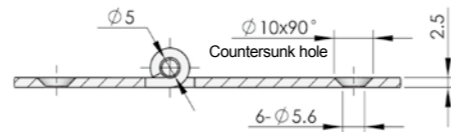


CL238-3

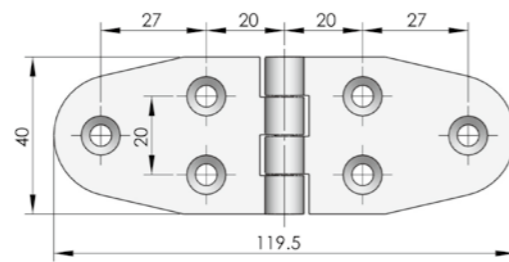


**Main material and finish:** Electrolysis stainless steel hinge  
**Application:** Opening angle 180°

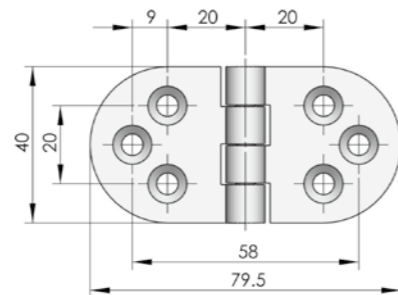
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 520N  
**Axial load:** 600N



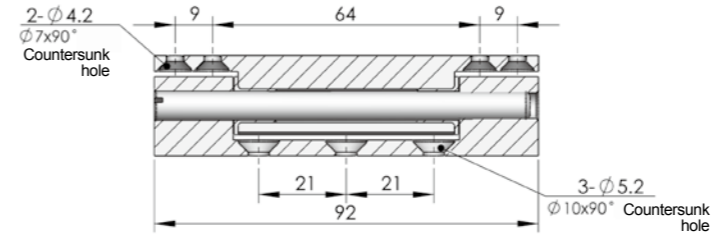
ERP CL238S9C001



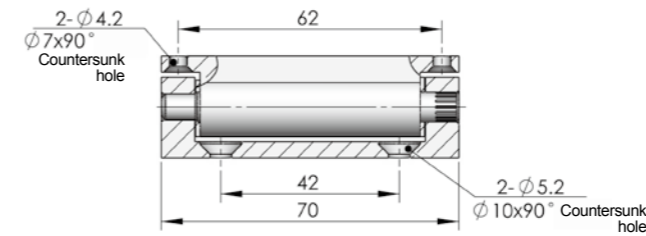
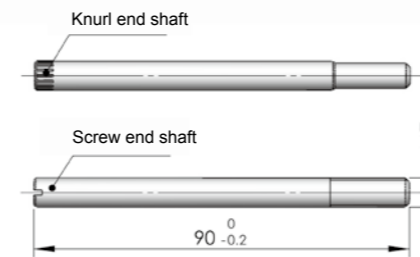
ERP CL238S9C002



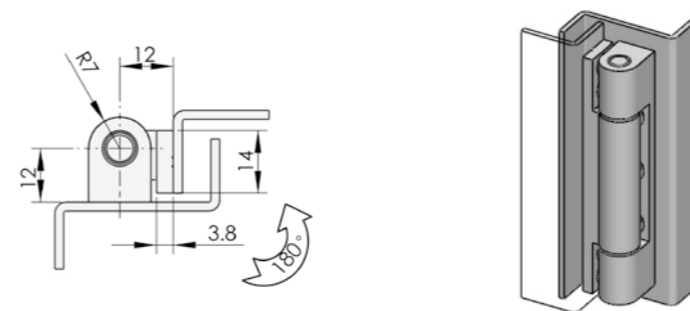
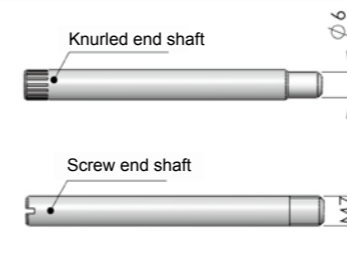
ERP CL238S9C003



CL240-1



CL240-2



Model	ERP	Specification
CL240-1	CL240A9A001	With knurl end shaft
CL240-1D	CL240A9A002	With screw end shaft
CL240-2	CL240A9A003	With knurl end shaft
CL240-2D	CL240A9A004	With screw end shaft

**CL240-1**  
**CL240-2**



**Main material and finish:** Oxidation aluminum alloy hinge, stainless steel shaft, nickel-plated steel pin  
**Application:** Opening angle 180°

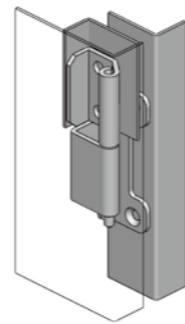
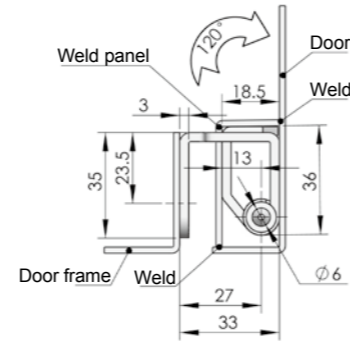
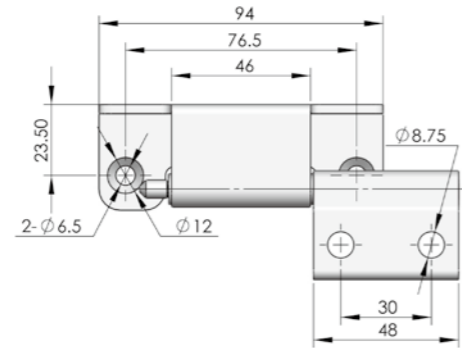
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 500N  
**Axial load:** 600N

**CL244**



**Main material and finish:** White zinc plated steel hinge and pin  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 270N  
**Axial load:** 305N



ERP

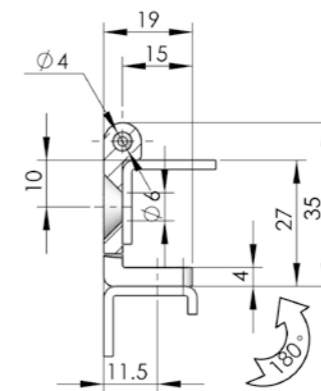
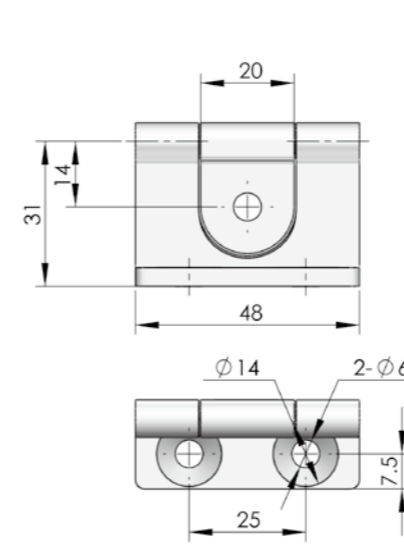
CL244F3D001

**CL247**



**Main material and finish:** Black powder coated ZDC hinge, white zinc-plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 780N  
**Axial load:** 490N



ERP

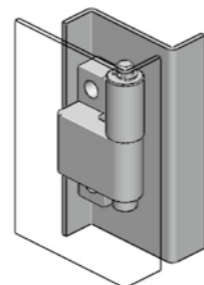
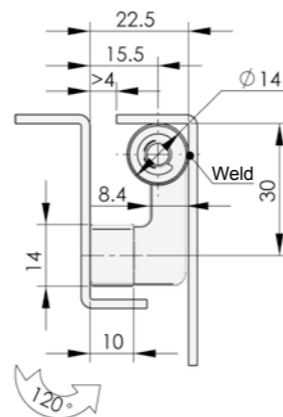
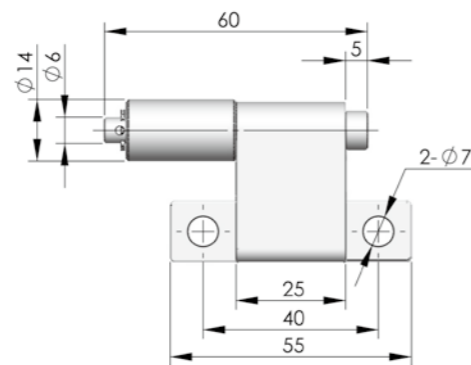
CL247Z1A001

**CL246**



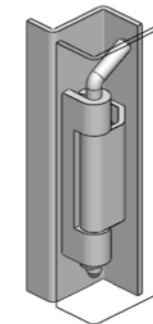
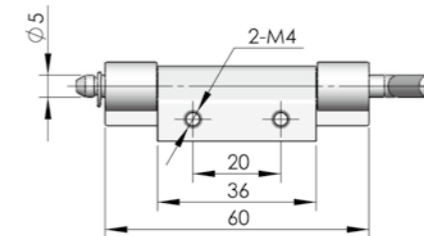
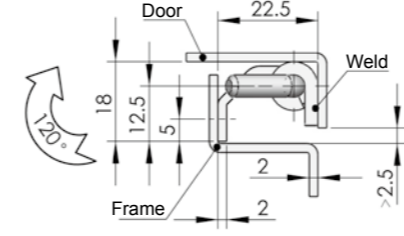
**Main material and finish:** Sand-spraying and bright chrome-plated ZDC hinge, white zinc-plated steel pin  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1000N  
**Axial load:** 820N



ERP

CL246Z3H001



Model	ERP	Specification
CL248-1	CL248F3D001	White zinc plated steel
CL248-S	CL248S9C001	Electrolysis SUS316 hinge

**CL248**



**Main material and finish:** White zinc plated steel and pin  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 280N  
**Axial load:** 250N

Hinge

Seal gasket

**CL249**

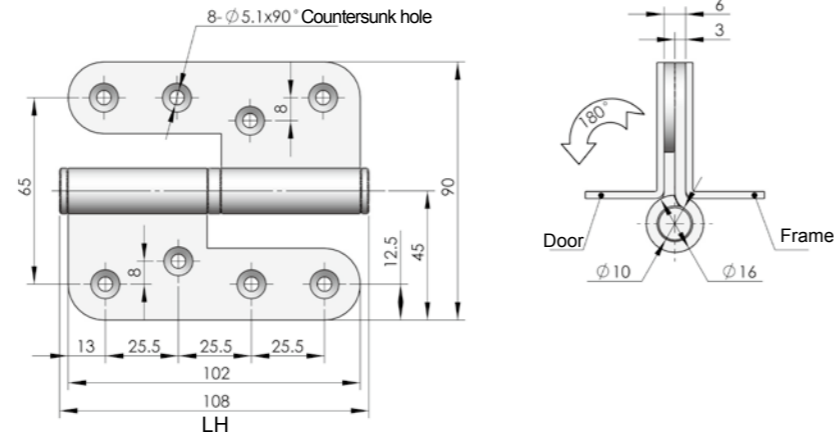


**Main material and finish:** Steel or stainless steel hinge

**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 1200N  
**Axial load:** 1300N



Specification	LH		RH	
	Model	ERP	Model	ERP
White zinc-plated steel hinge	CL249-1-Z	CL249F3D001	CL249-1-Y	CL249F3D002
Wiredrawing polishing stainless steel hinge	CL249-1B-Z	CL249S4B004	CL249-1B-Y	CL249S4B003

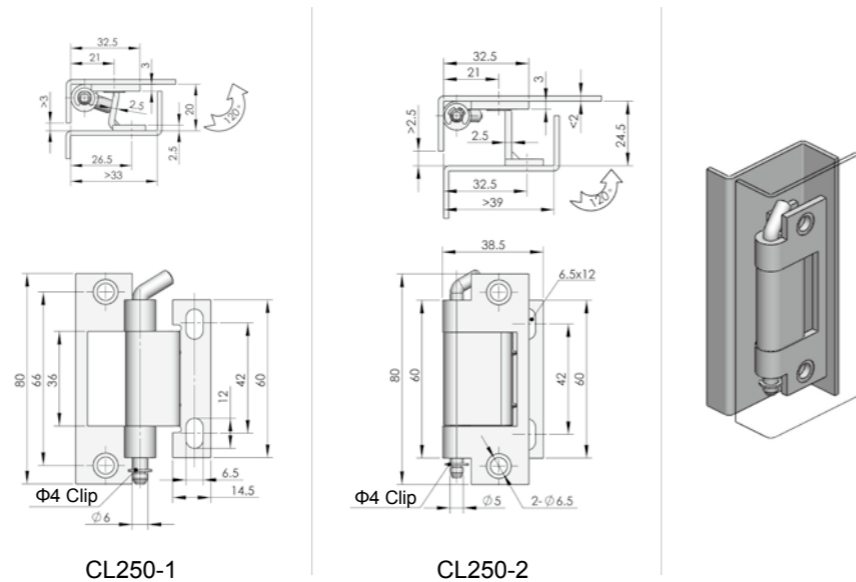
**CL250-1**  
**CL250-2**



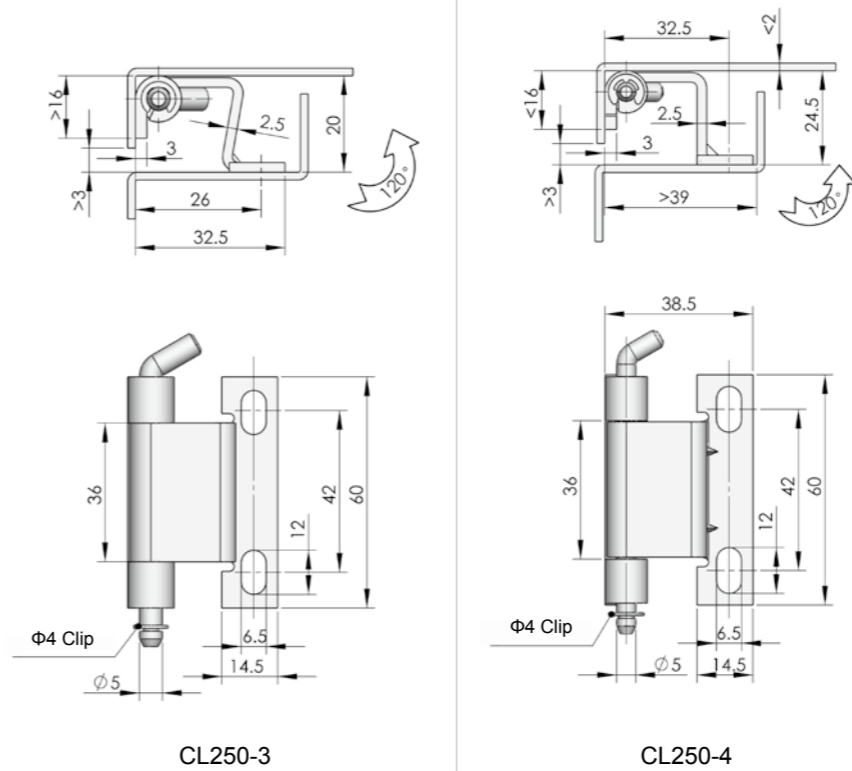
**Main material and finish:** White zinc plated steel hinge and pin

**Performance parameter:**

**Maximum static load**  
**Radial load:** 310N  
**Axial load:** 480N



Model	ERP	Specification
CL250-1	CL250F3D001	White zinc plated steel
CL250-1B	CL250S00004	Grinding vibration polishing stainless steel
CL250-2	CL250F3D002	White zinc plated steel
CL250-2B	CL250S00003	Grinding vibration polishing stainless steel



Model	ERP	Specification
CL250-3	CL250F3D003	White zinc plated steel
CL250-3B	CL250S00007	Grinding vibration polishing stainless steel
CL250-4	CL250F3D004	White zinc plated steel
CL250-4B	CL250S00001	Grinding vibration polishing stainless steel

**CL250-3**  
**CL250-4**



**Main material and finish:** White zinc plated steel hinge and pin

**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 350N  
**Axial load:** 778N

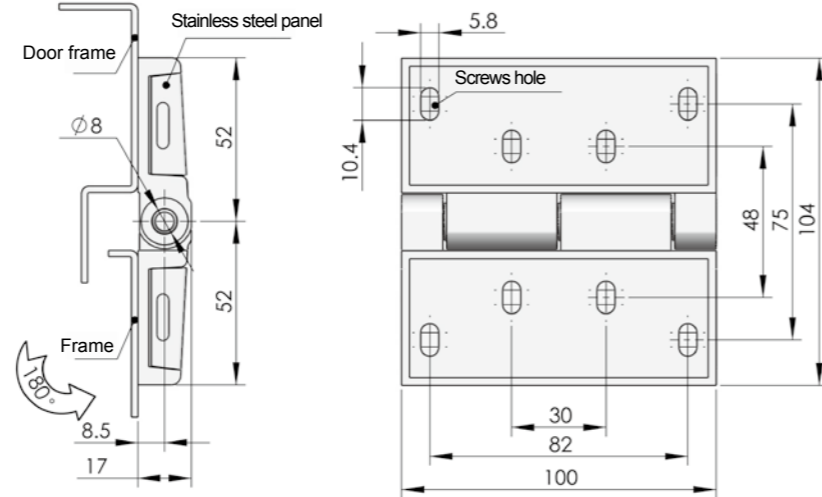
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL251**



**Main material and finish:** Sand-spraying and bright chrome-plated ZDC hinge, stainless shaft pin and cover  
**Application:** Opening angle 180°

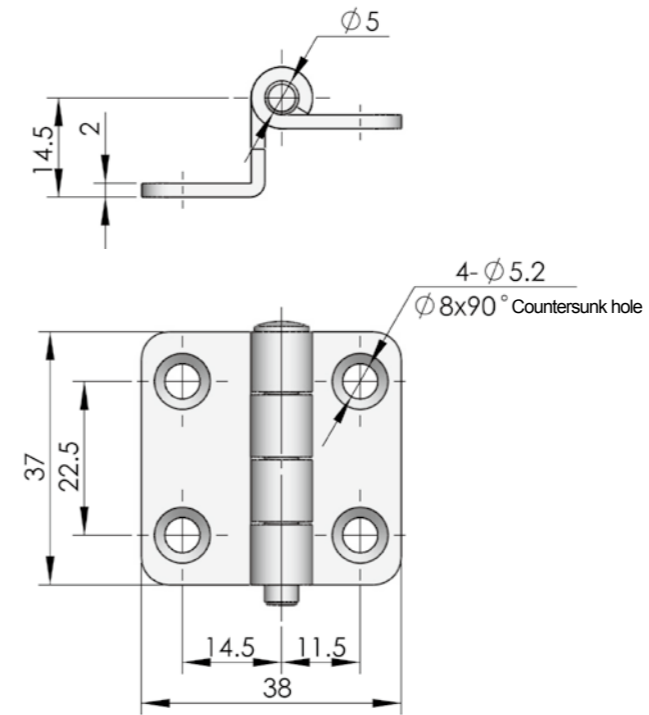
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1200N  
**Axial load:** 910N



Remark: Disassembling panel when installing hinge by screw

ERP

CL251Z3H001



ERP

CL252S00001

**CL252**



**INOX**  
AISI  
3..

**Main material and finish:** Stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 520N  
**Axial load:** 800N

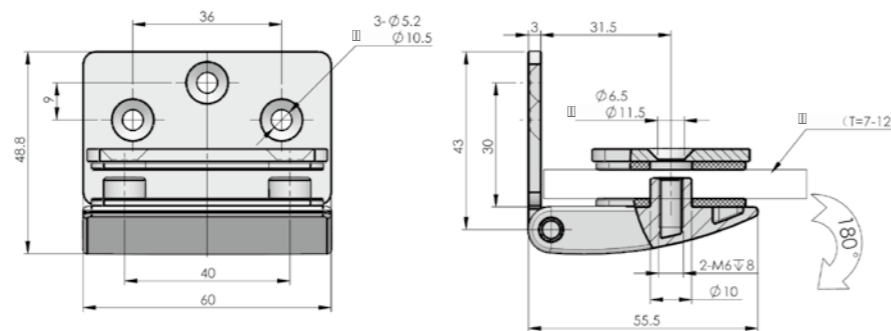
**CL251-3**



**INOX**  
AISI  
3..

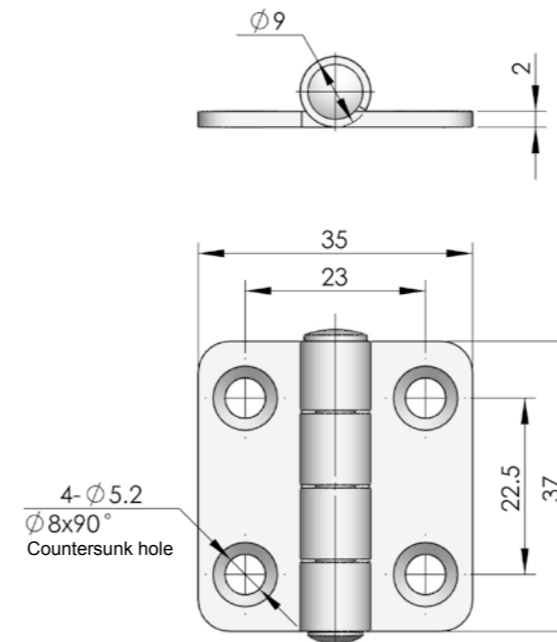
**Main material and finish:** Bright chrome plated ZDC exposed hinge Wire-drawing polishing  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1000N  
**Axial load:** 1500N



ERP

CL251S4B001



ERP

CL253S4A001

**CL253-1**



**INOX**  
AISI  
3..

**Main material and finish:** Mirror polishing stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 745N  
**Axial load:** 1090N

Hinge

Seal gasket

**CL253-2**  
**CL253-3**



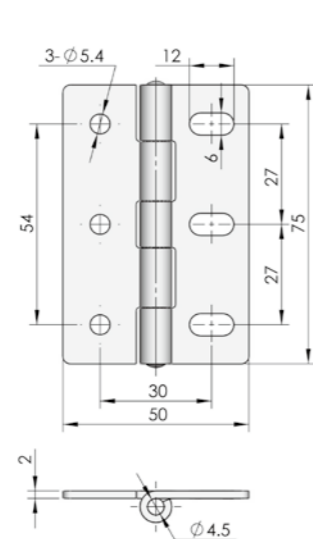
**Main material and finish:** Mirror polishing stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**

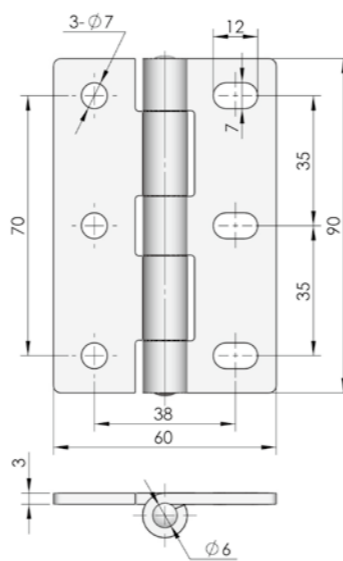
**Maximum static load**  
**Model:** CL253-2  
**Radial load:** 1000N **Axial load:** 1200N

**Model:** CL253-3  
**Radial load:** 1500N **Axial load:** 1800N

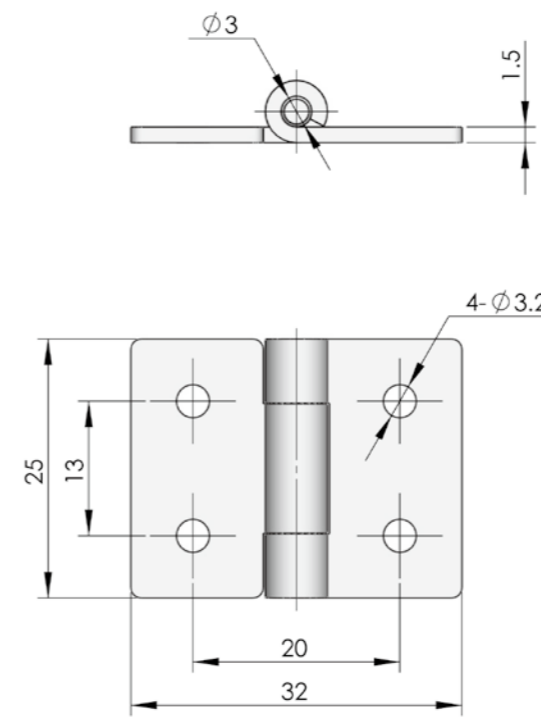
**CL253-2**



**CL253-3**



Model	ERP	Specification
CL253-2	CL253S4A002	Stainless steel
CL253-2-A	CL253F3D012	Carbon steel
CL253-3	CL253S4A003	Stainless steel



ERP CL253S4A011

**CL253-4A**



**Main material and finish:** Mirror polishing stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 380N **Axial load:** 810N

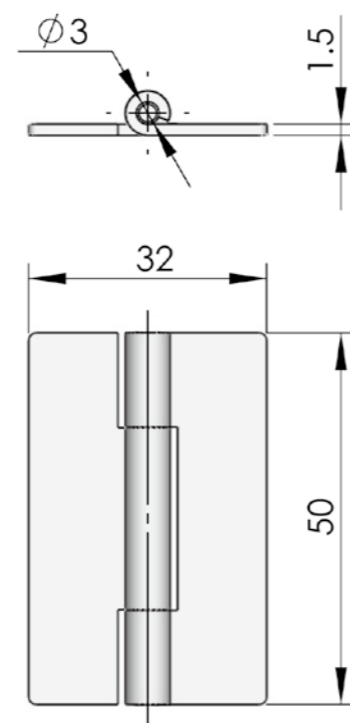
**CL253-4**



**Main material and finish:** Mirror polishing stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 516N **Axial load:** 665N



ERP CL253S4A004

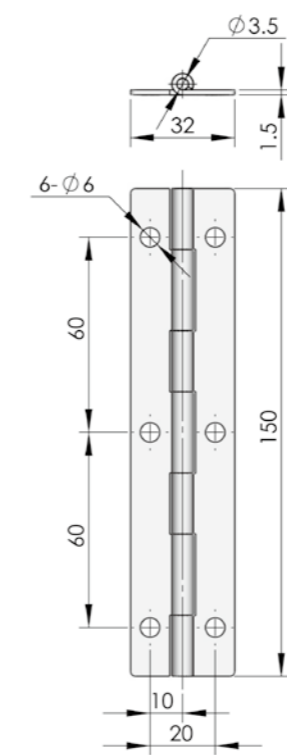
**CL253-5**



**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 840N **Axial load:** 1380N



ERP CL253F3D001

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

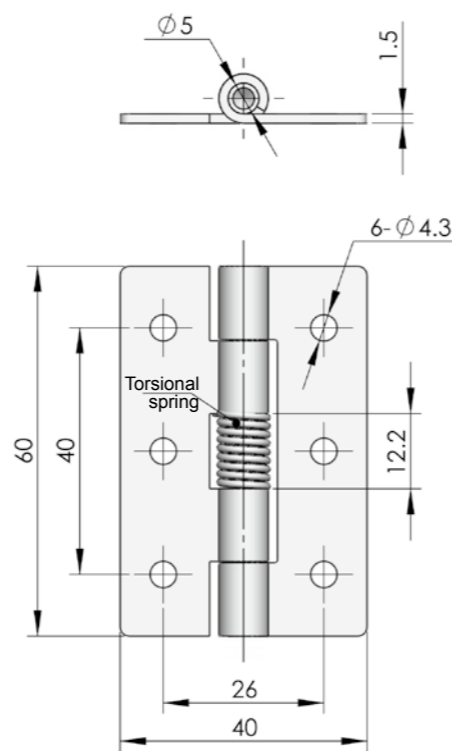
Seal gasket

**CL253-6**

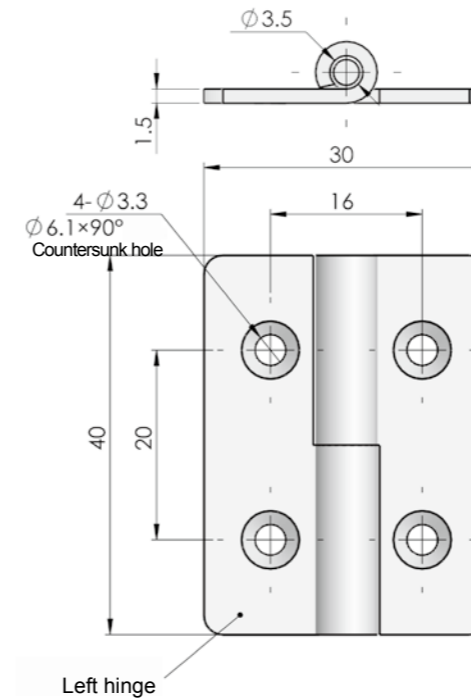


**Main material and finish:** Mirror polishing stainless steel hinge Magnetic Shock  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 550N  
**Axial load:** 650N



ERP	CL253S4A005
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	CL253-9-Z RH	CL253-9-Y LH
ERP	CL253S4A008	CL253S4A009

**CL253-9**



**Main material and finish:** Stainless steel hinge leaf and shaft  
**Application:** Opening angle 180°

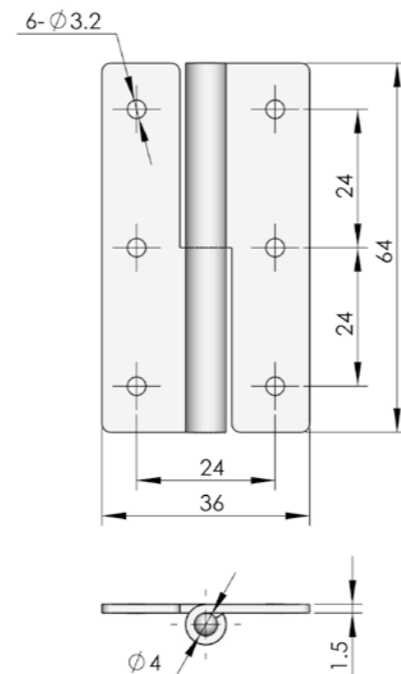
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 305N  
**Axial load:** 470N

**CL253-7**

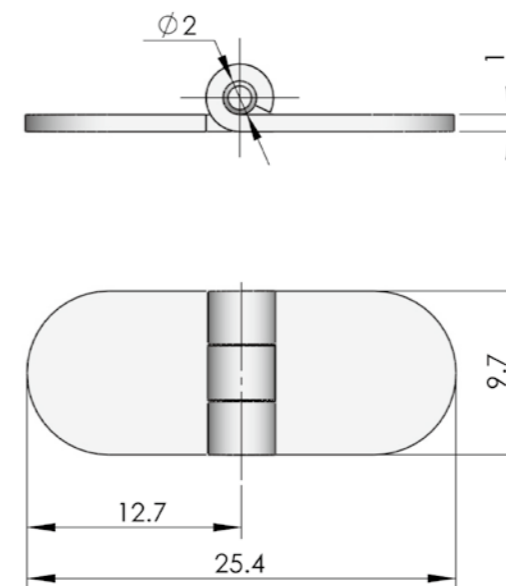


**Main material and finish:** Mirror polishing stainless steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 590N  
**Axial load:** 635N



	RH	LH
ERP	CL253S4A006	CL253S4A007



ERP	CL253S4A010
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**CL253-10**



**Main material and finish:** Mirror stainless steel hinge and stainless steel shaft  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 76N  
**Axial load:** 161N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

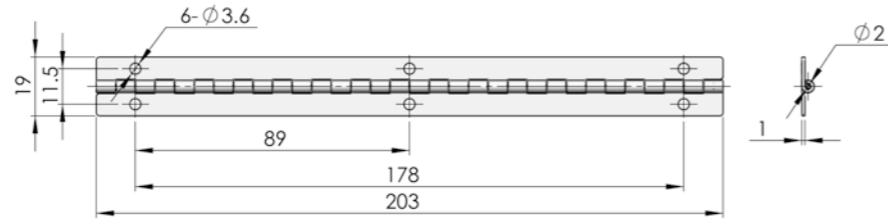
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

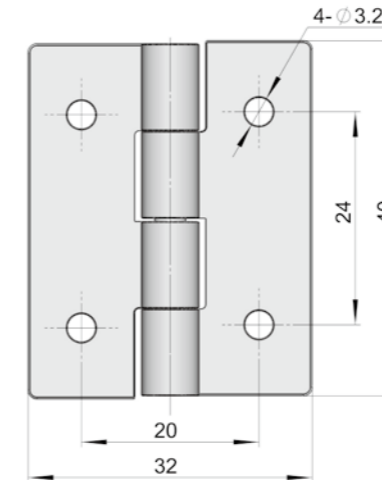
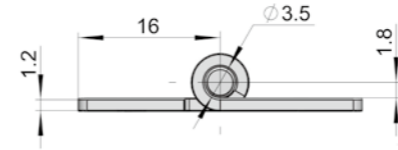
**CL253-13**



**Main material and finish:** Aluminum alloy hinge leaf, shaft  
**Application:** Opening angle 180°  
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 180N  
**Axial load:** 530N



ERP CL253A00001



ERP CL253S4A037

**CL253-20**



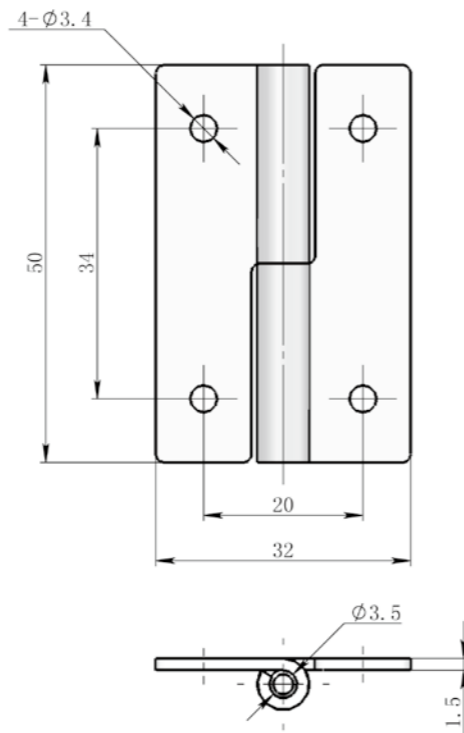
**Main material and finish:** SUS304 mirror plastic board 304 stainless steel  
**Application:** Opening angle 180°  
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 340N  
**Axial load:** 600N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

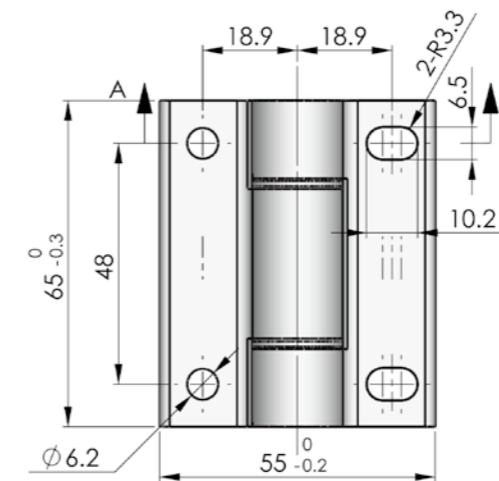
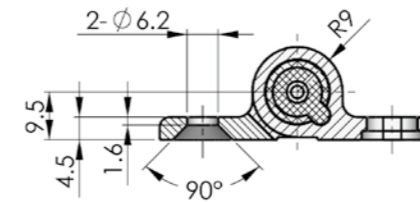
**CL253-16**



**Main material and finish:** Electrolysis SUS301 stainless steel hinge leaf, and SUS304 stainless steel shaft  
**Application:** open angle 180°  
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 560N  
**Axial load:** 830N



ERP CL253S9C004



ERP CL253A9A001

**CL253-23**



**Main material and finish:** Aluminum alloy hinge, POM shaft  
**Application:** The hinge is damping hinge with bolt adjustable damping force



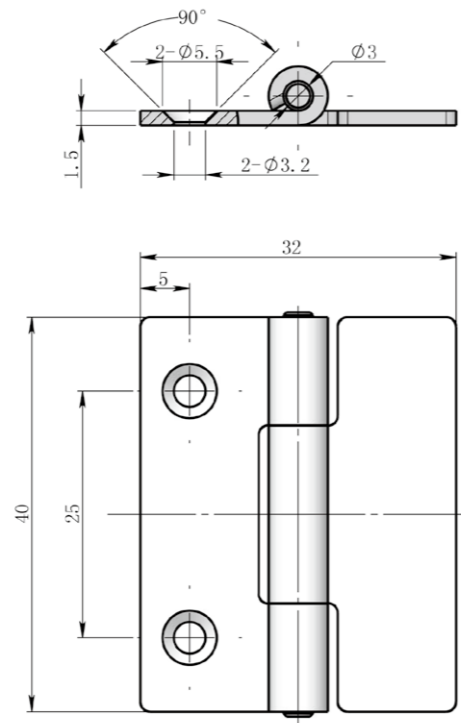
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket



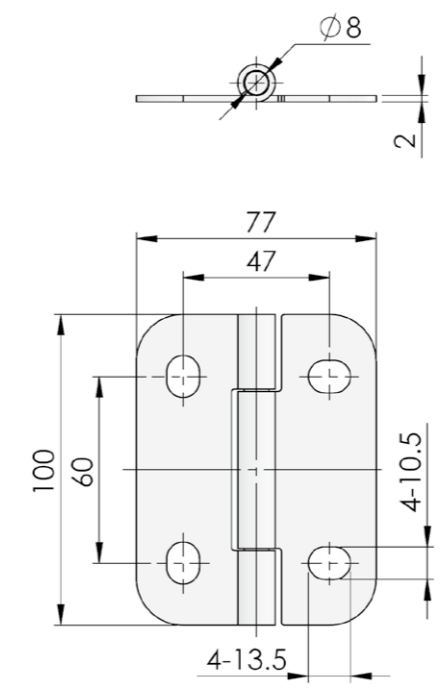
**CL253-25**

**Main material and finish:** Mirror polishing stainless steel SS304  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 340N  
**Axial load:** 600N



ERP CL253S4A049



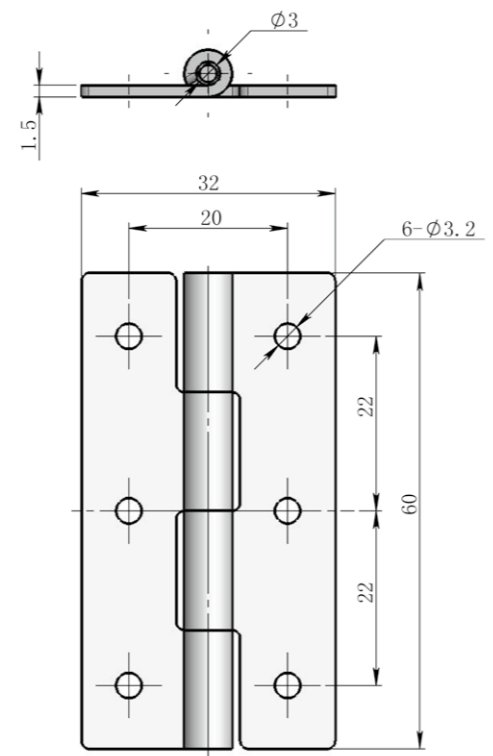
ERP CL253F1A002



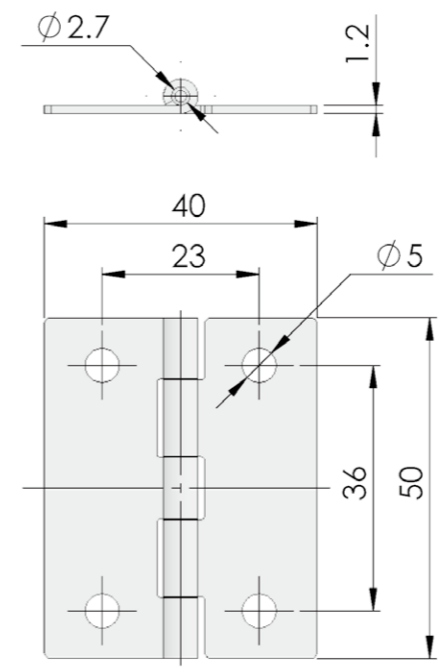
**CL253-26**

**Main material and finish:** Mirror polishing stainless steel SS304  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 780N  
**Axial load:** 840N



ERP CL253S4A040



ERP CL253F3D013



**CL253-27**

**Main material and finish:** Black powder coated carbon steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 500N  
**Axial load:** 700N



**CL253-28**

**Main material and finish:** 3+ zinc plated carbon steel hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 990N  
**Axial load:** 990N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

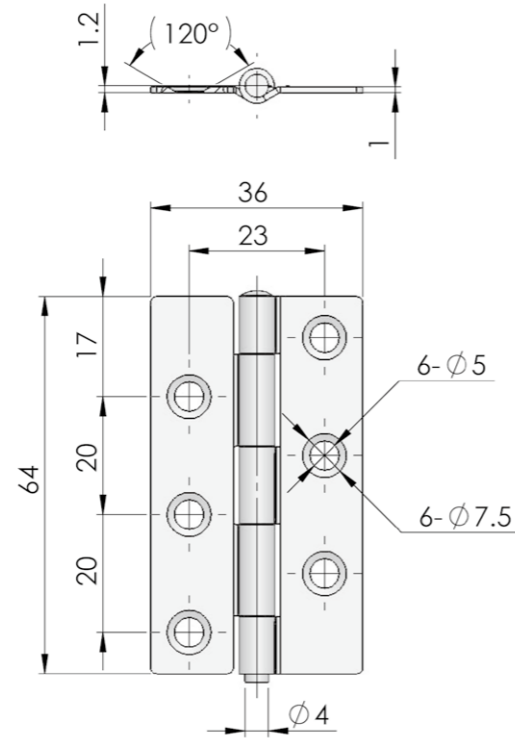
Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket



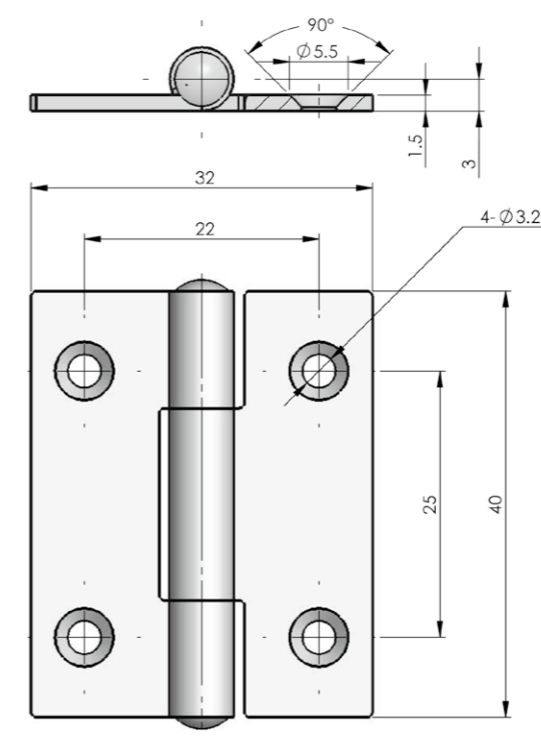
**CL253-30**

**Main material and finish:** Mirror polishing stainless steel SS304  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 310N  
**Axial load:** 480N



ERP CL253S4A054



ERP CL253S4A057



**CL253-32-1**

**Main material and finish:** Mirror polishing stainless steel SS304 exposed hinge  
**Application:** Opening angle 180°

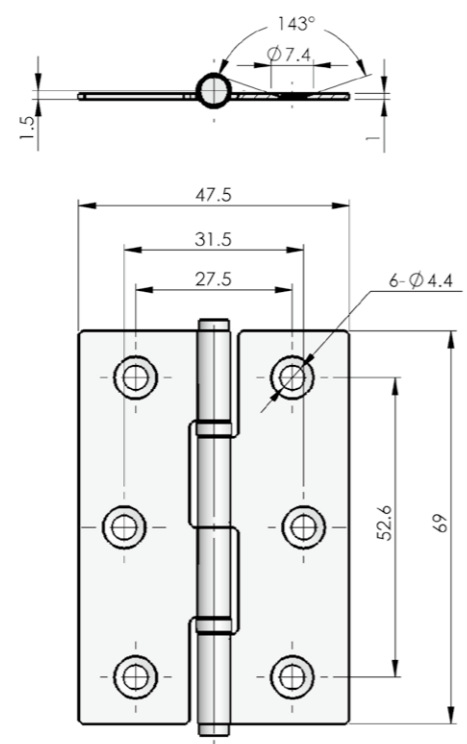
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 610N  
**Axial load:** 510N



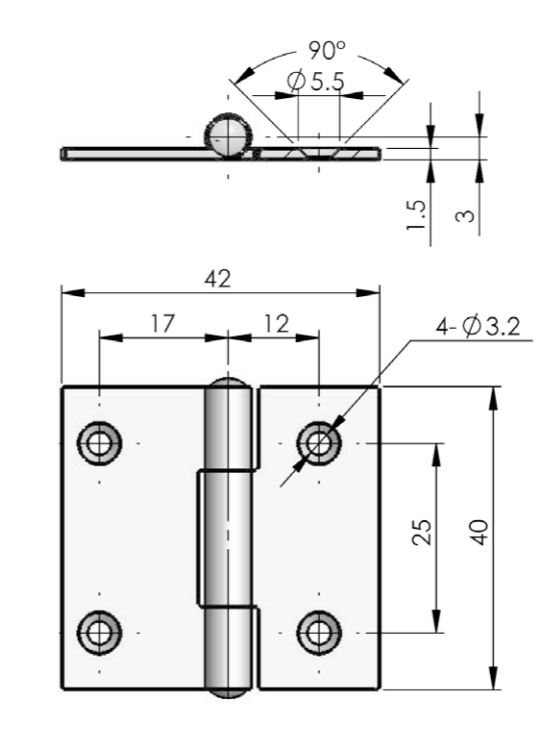
**CL253-31**

**Main material and finish:** Mirror polishing stainless steel SS304  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 650N  
**Axial load:** 550N



ERP CL253S00008



ERP CL253S4A056



**CL253-32-2**

**Main material and finish:** Mirror polishing stainless steel SS304 exposed hinge  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 450N  
**Axial load:** 400N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

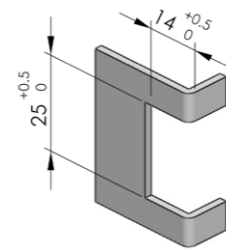
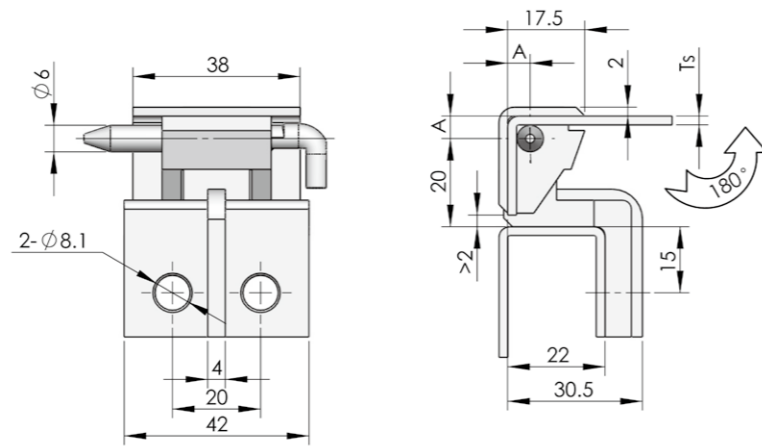
**CL255**



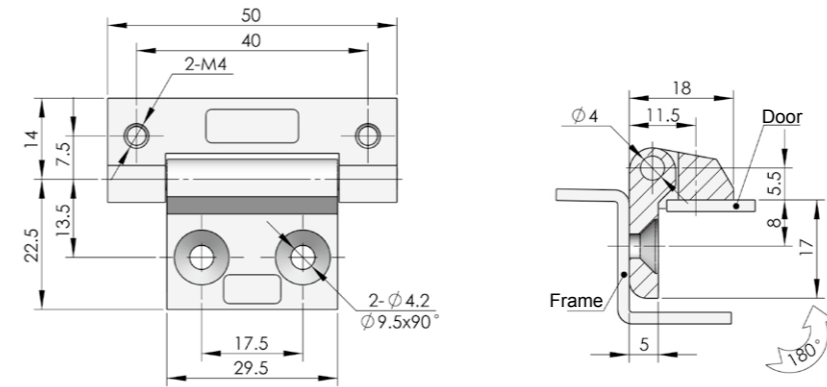
**Main material and finish:** Black powder coated hinge, nickel plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Model:** CL255-1/2/3  
**Radial load:** 935N **Axial load:** 915N



Door cutout



ERP

CL254Z1A001

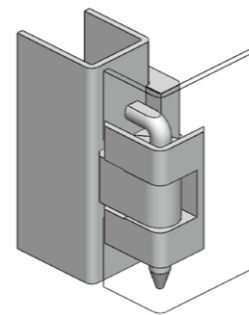
**CL254**



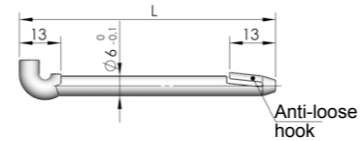
**Main material and finish:** Black powder coated ZDC hinge, nickel plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**

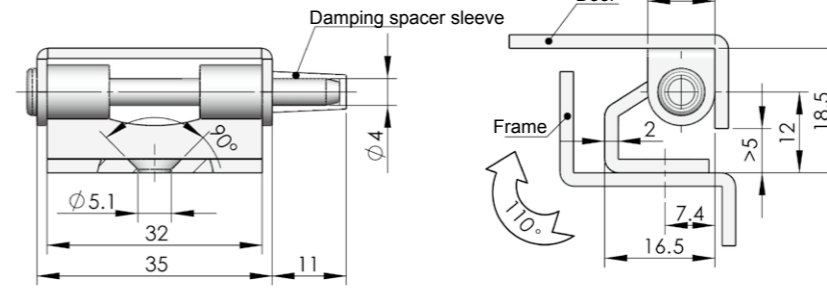
**Maximum static load**  
**Radial load:** 1000N  
**Axial load:** 800N



**Nylon pin (Optional)**



Part No.	L
PN001	57
PN002	78



ERP

CL257F3D001

**CL257**



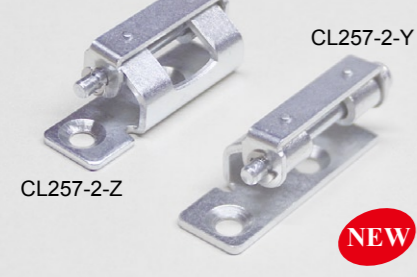
**Main material and finish:** White zinc-plated steel hinge and pin, PA spacer sleeve  
**Application:** Opening angle 110°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 885N  
**Axial load:** 525N

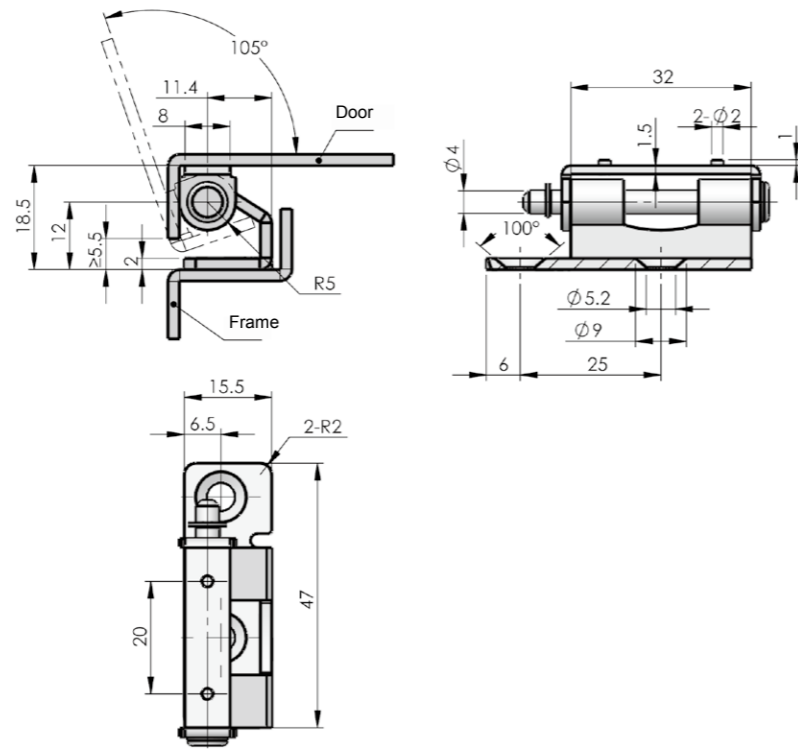
Model	ERP	Specification	A	Remark
CL255-1	CL255Z1A001	Suitable door thickness Ts=2mm	5.1	ZDC hinge
CL255-2	CL255Z1A002	Suitable door thickness Ts=3mm	6.1	ZDC hinge
CL255-3	CL255Z1A003	Suitable door thickness Ts=1.5mm	4.6	ZDC hinge
CL255-1A	CL255Z1A004	Suitable door thickness Ts=2mm	5.1	Steel female hinge
CL255-2A	CL255Z1A005	Suitable door thickness Ts=3mm	6.1	Steel female hinge
CL255-3A	CL255Z1A006	Suitable door thickness Ts=1.5mm	4.6	Steel female hinge

**CL257-2**

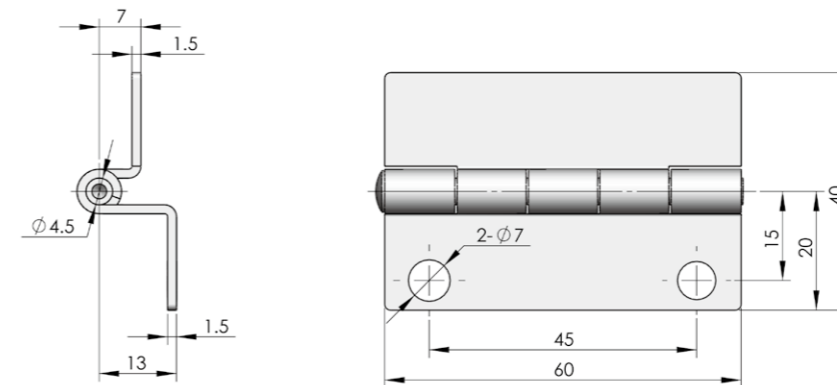


**Main material and finish:** 3+ zinc plated carbon steel hinge  
**Application:** opening angle 105°

**Performance parameter:**  
**Max Static load**  
**Radial load:** 130N  
**Axial Load:** 220N



Specification	LH	RH
ERP	CL257F3D009	CL257F3D008



ERP	CL261F3D001
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**CL261**



**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 180°

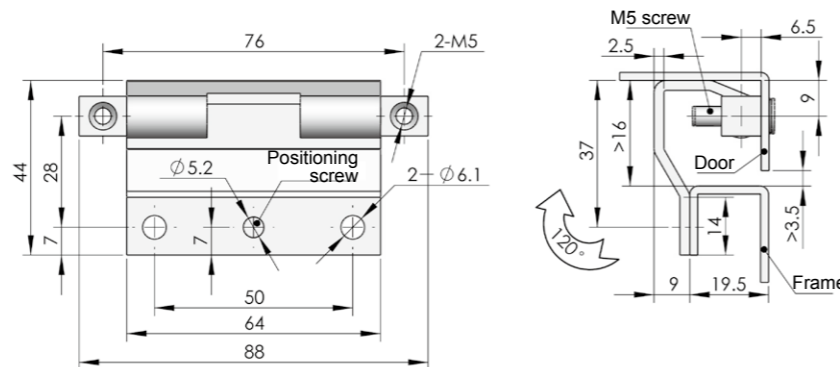
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 340N  
**Axial load:** 200N

**CL260**

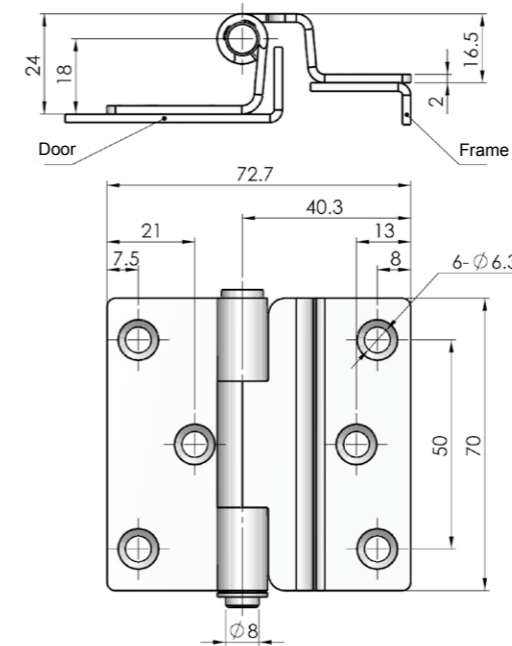


**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 350N  
**Axial load:** 205N



ERP	CL260F3D001
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ERP	CL261S9C002
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**CL261-2**



**Main material and finish:** Electrolysis stainless steel SS304 exposed hinge  
**Application:** Opening angle 180°

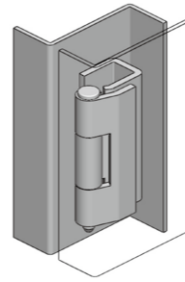
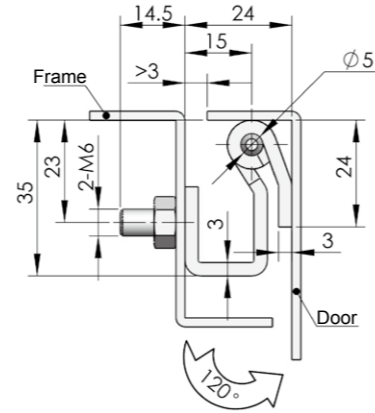
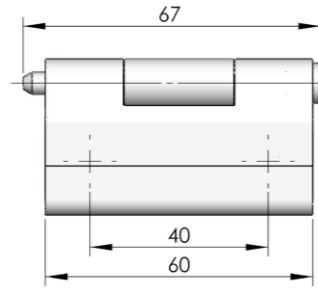
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 600N  
**Axial load:** 400N

**CL262**



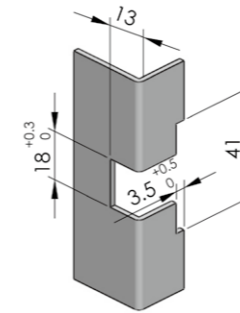
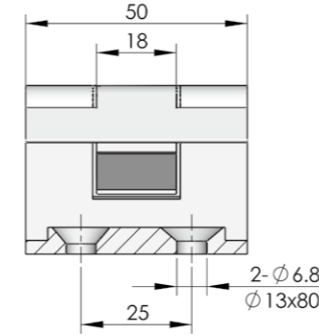
**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 430N  
**Axial load:** 650N



ERP

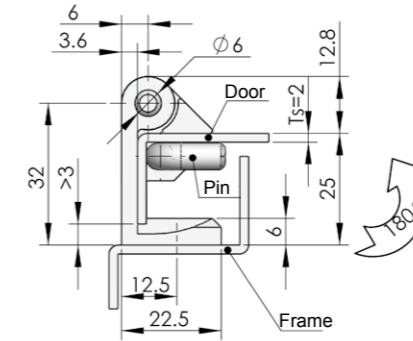
CL262F3D001



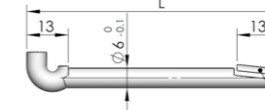
Cut out

ERP

CL264Z1A001



**Nylon pin (Optional)**



Part No.	L
PN001	57
PN002	78

**CL264**



**Main material and finish:** Black powder coated ZDC hinge, stainless steel gasket, nickel plated steel pin  
**Application:** Opening angle 180°

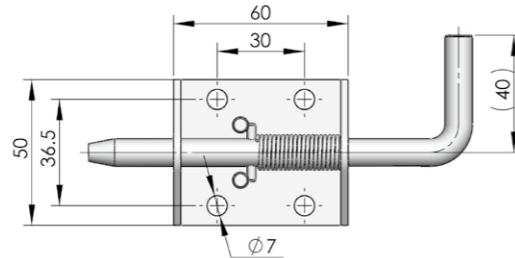
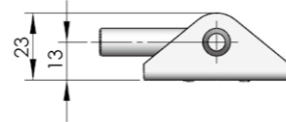
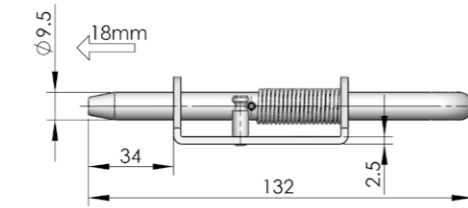
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1050N  
**Axial load:** 980N

**CL263**



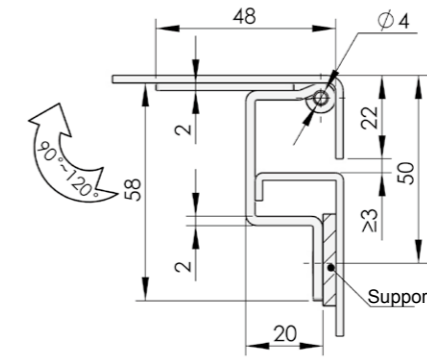
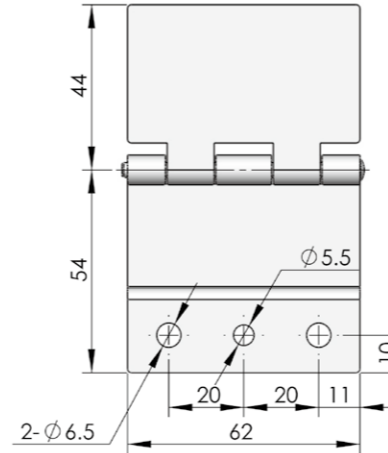
**Main material and finish:** White zinc-plated steel hinge

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1295N  
**Axial load:** /



ERP

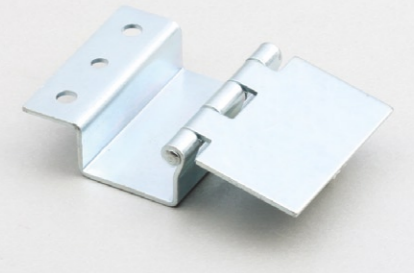
CL263F3D001



ERP

CL266F3D001

**CL266**



**Main material and finish:** White zinc-plated steel hinge

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 260N  
**Axial load:** 340N

ERP

CL263F3D001

ERP

CL266F3D001

ERP

CL266F3D001

**CL268**



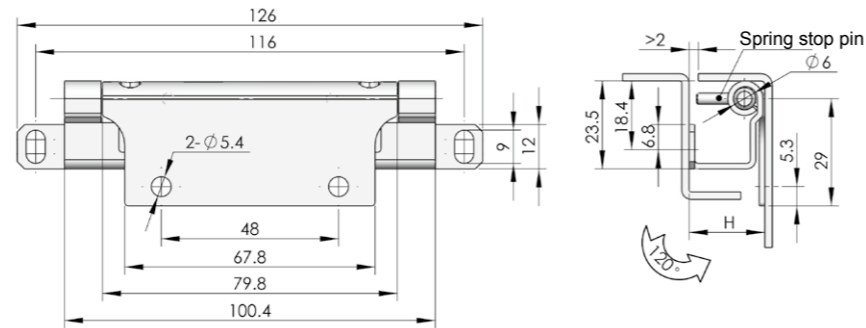
**Main material and finish:** Stainless steel or steel hinge

**Performance parameter:**

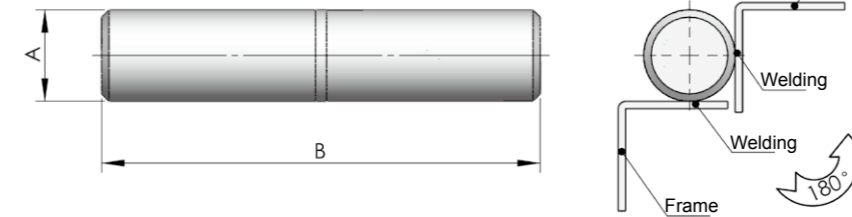
**Maximum static load**

**Radial load:** 260N

**Axial load:** 450N



Model	ERP	H	Material
CL268-1	CL268S00001	23.9	Stainless steel
CL268-2	CL268S00002	20.5	Stainless steel
CL268-3	CL268S00003	17.5	Stainless steel
CL268-1A	CL268F3D001	23.9	Steel
CL268-2A	CL268F3D002	20.5	Steel
CL268-3A	CL268F3D003	17.5	Steel



Model	ERP	A	B	C
CL270-1	CL270F3D001	d26	150	75
CL270-2	CL270F3D002	d25	120	60
CL270-3	CL270F3D003	d14	120	60
CL270-4	CL270F3D004	d10	60	30

**CL270**



**Main material and finish:** White zinc-plated steel hinge

**Performance parameter:**

**Maximum static load**

**Radial load:** 2000N

**Axial load:** 2000N

**CL269**



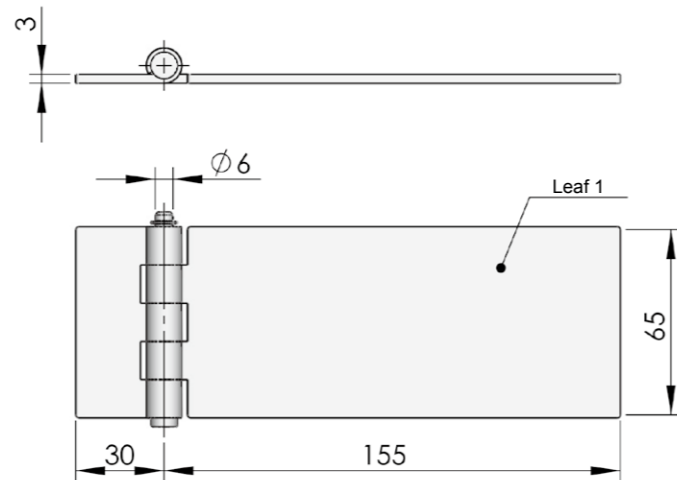
**Main material and finish:** White zinc-plated steel hinge

**Performance parameter:**

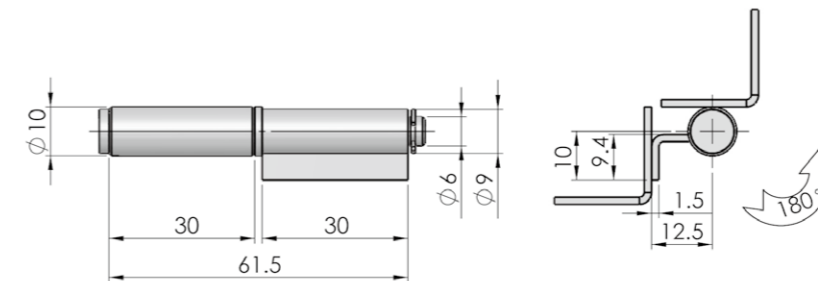
**Maximum static load**

**Radial load:** 610N

**Axial load:** 800N



ERP	CL269F3D001
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ERP	CL270F00004
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**CL270-4-1D**



**Main material and finish:** 3+ zinc plated carbon steel exposed hinge and shaft  
**Application:** opening angle 180°

**Performance parameter:**

**Maximum static load**

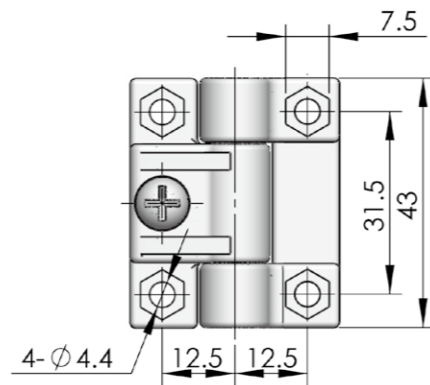
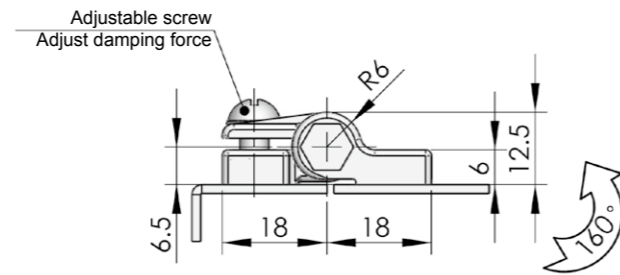
**Radial load:** 250N

**Axial load:** 150N

**CL272**

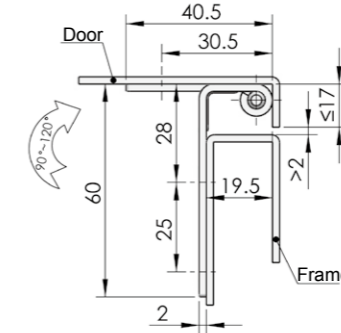
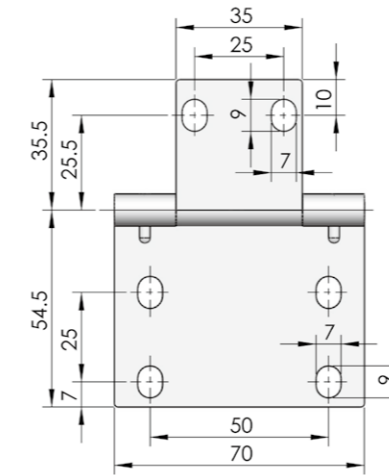


**Main material and finish:** Black PA hinge, steel screw, PC shaft  
**Application:** Opening angle 160°



ERP

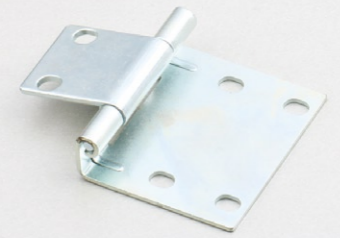
CL272N00001



ERP

CL273F3D001

**CL273**



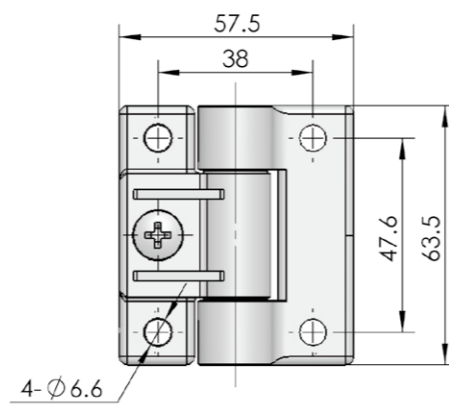
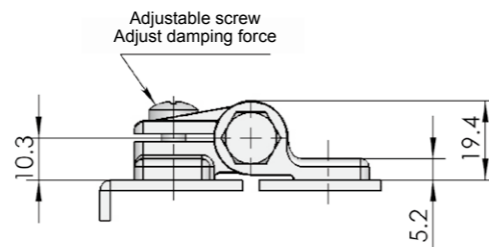
**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 90°~120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 260N  
**Axial load:** 340N

**CL272-2**

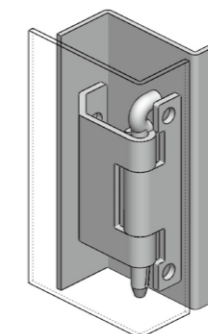
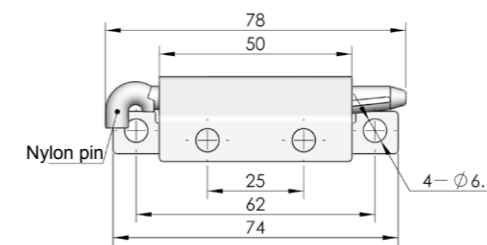
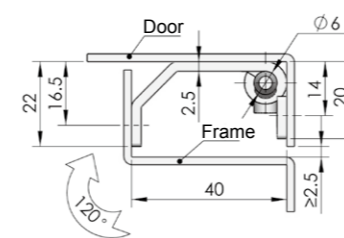


**Main material and finish:** POM black male and female hinge transparent PC shaft, and Stainless steel adjustable screw and nut.  
**Application:** Maximum rotating angle 165°



ERP

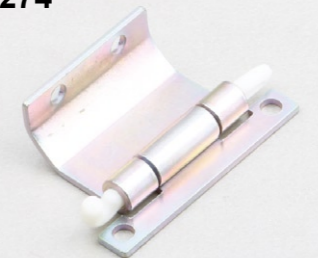
CL272N00002



ERP

CL274F3D001

**CL274**



**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 180N  
**Axial load:** 310N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

CL275-1



**Main material and finish:** White zinc-plated steel hinge

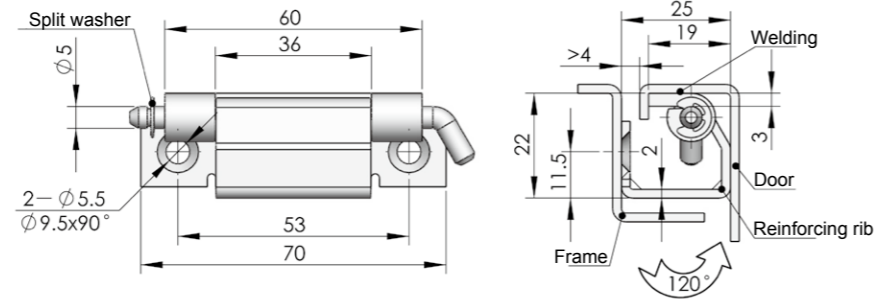
**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**

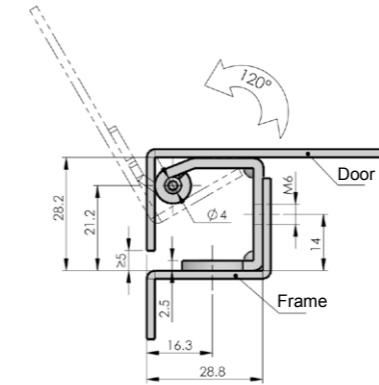
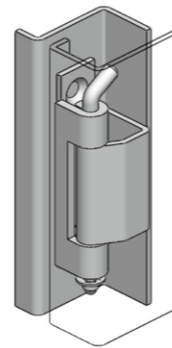
**Radial load:** 120N

**Axial load:** 310N



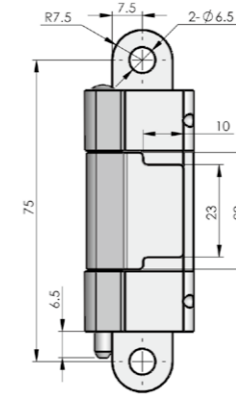
ERP

CL275F3D002



ERP

CL275F3D010



CL275-4



**Main material and finish:** 3+ zinc plated carbon steel hinge

**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**

**Radial load:** 410N

**Axial load:** 91N

CL275-2



**Main material and finish:** White zinc-plated steel hinge

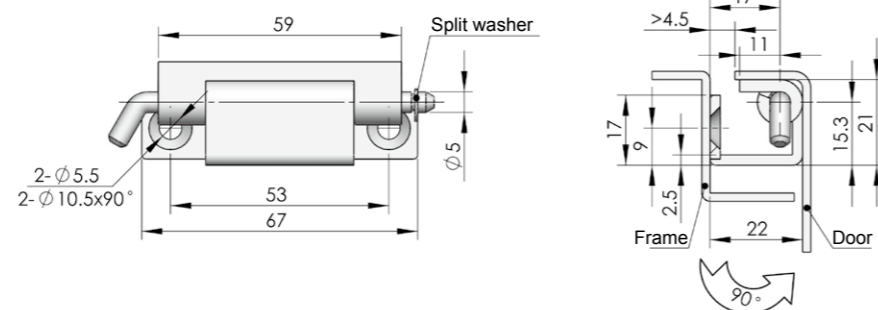
**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**

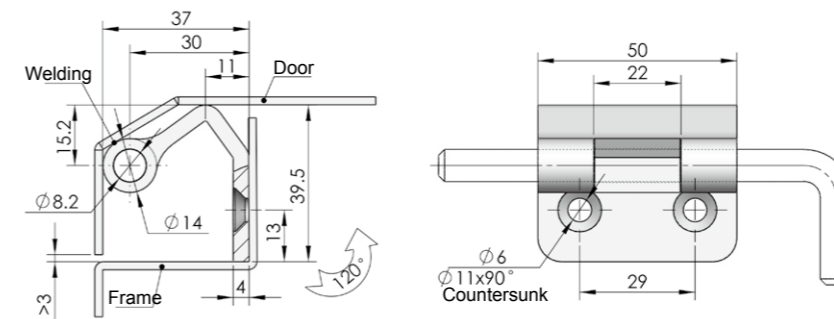
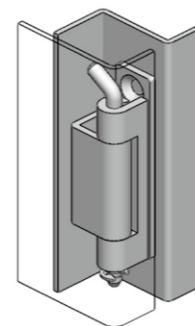
**Radial load:** 120N

**Axial load:** 310N



ERP

CL275F3D003



ERP

CL276Z3D001

CL276



**Main material and finish:** White zinc-plated ZDC female hinge

**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**

**Radial load:** 480N

**Axial load:** 690N

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Seal gasket

Accessories

Electronic lock

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

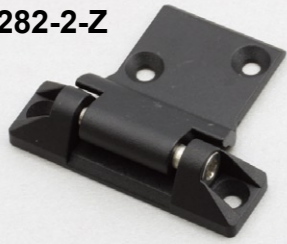
Seal gasket

Seal gasket





**CL282-2-Y**  
**CL282-2-Z**

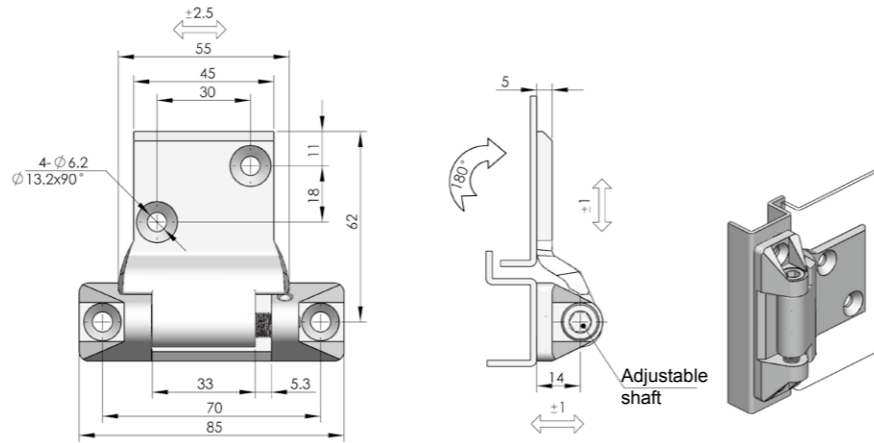


**Main material and finishing:** Pocked black powder coated ZDC female hinge, stainless steel shaft

**Application:** Opening angle 180°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 1300N



	CL282-2-Z LH	CL282-2-Y RH
ERP	CL282Z1B003	CL282Z1B004

**CL283-1**  
**CL283-2**



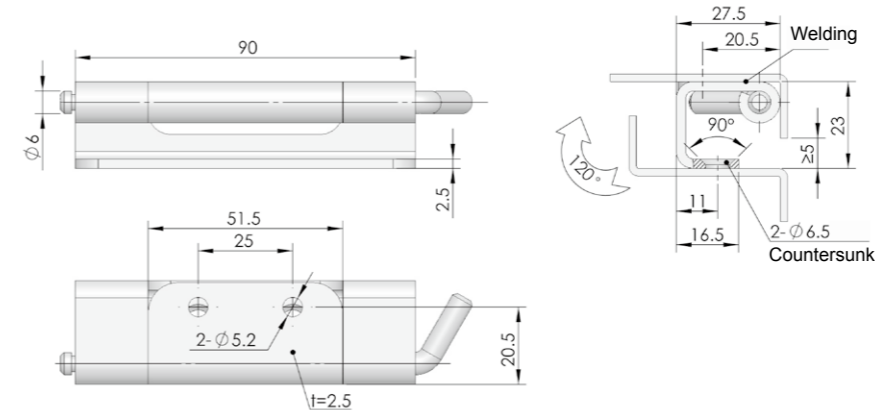
**INOX**  
**AISI**  
**3..**

**Main material and finish:** stainless steel hinge and shaft

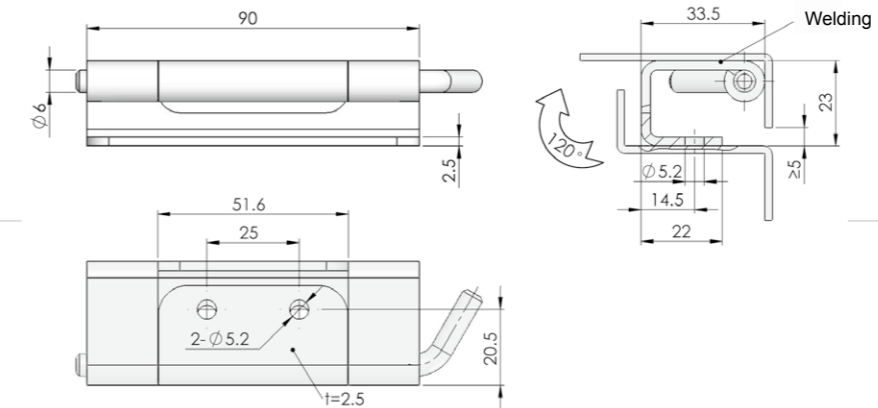
**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 500N  
**Axial load:** 980N



CL283-1



CL283-2

	CL283-1	CL283-2
ERP	CL283S00001	CL283S00002

**CL283-4**



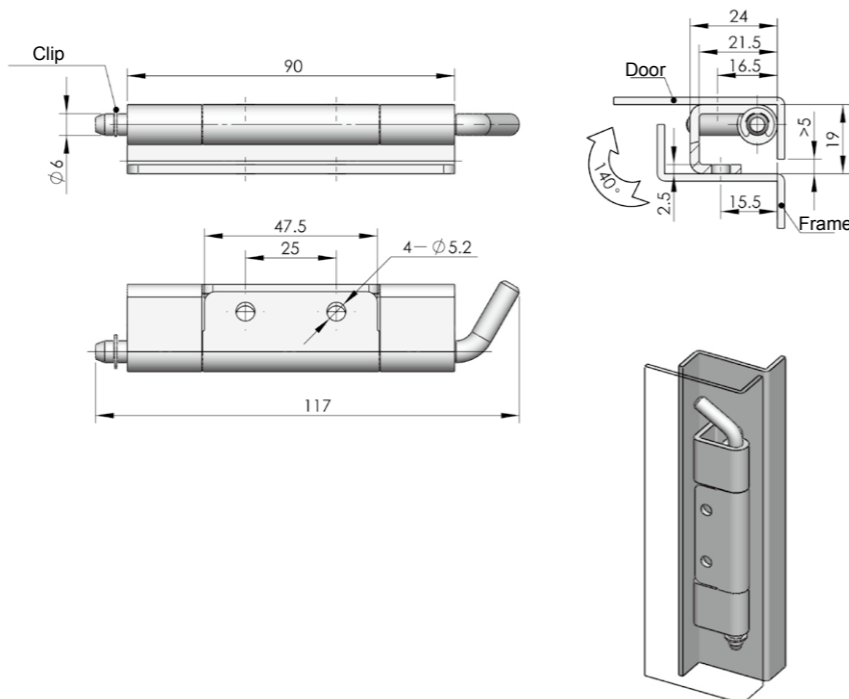
**INOX**  
**AISI**  
**3..**

**Main material and finish:** Stainless steel hinge and pin

**Application:** Opening angle 140°

**Performance parameter:**

**Maximum static load**  
**Radial load:** 500N  
**Axial load:** 980N

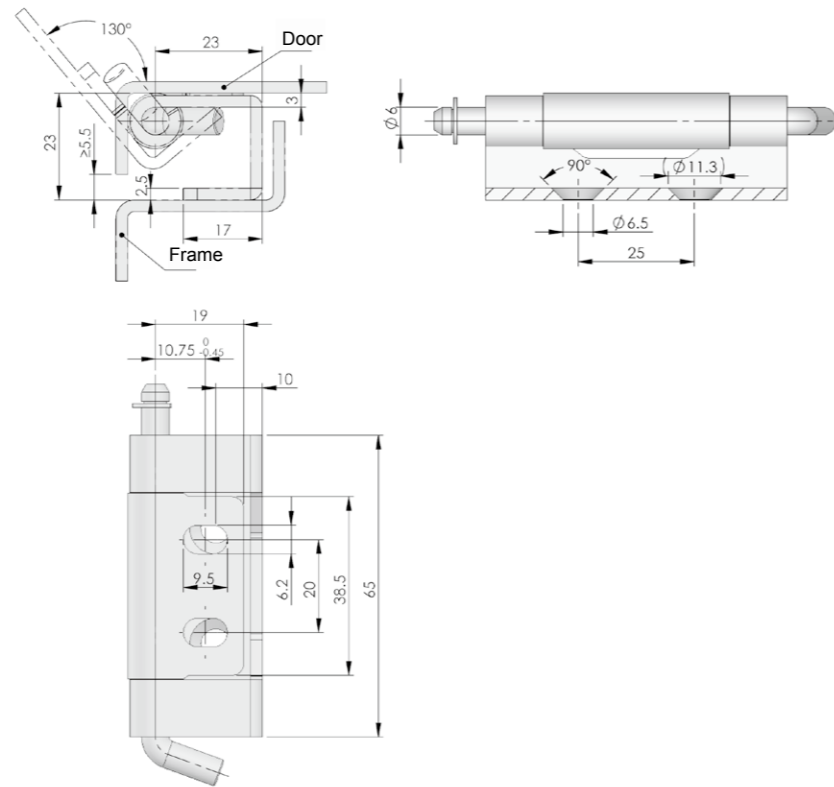


ERP	CL283S00003
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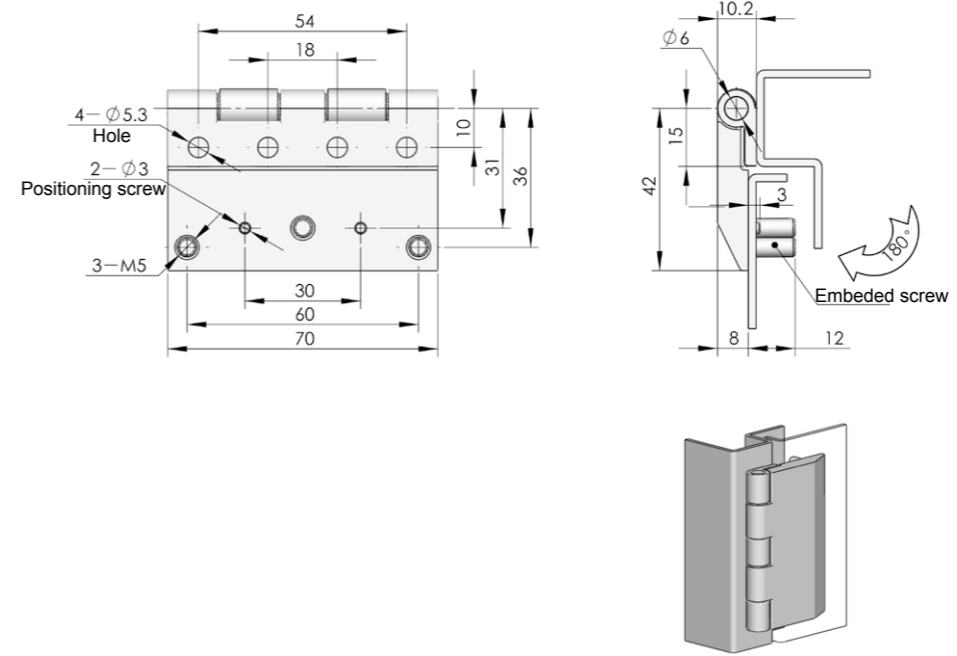
**CL283-8**



**Main material and finish:** Zinc nickel alloy steel hinge  
**Application:** Opening angle 130°  
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 240N  
**Axial load:** 330N



ERP CL283F3D006



ERP CL289Z2A001

**CL289**

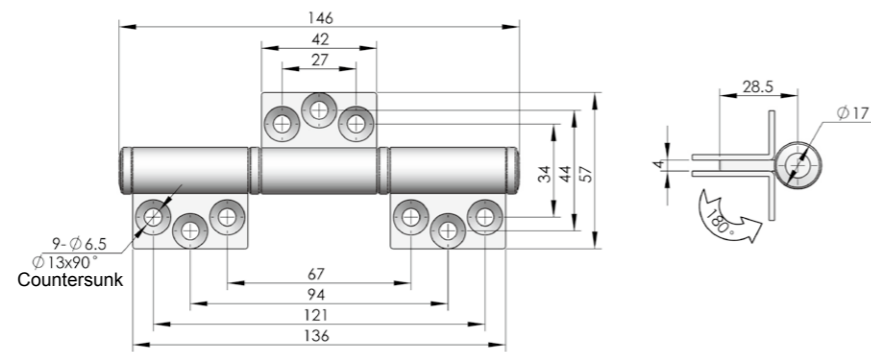


**Main material and finish:** Black painted ZDC female part  
**Application:** Opening angle 180°  
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 1435N  
**Embedded screw recommended tightening torque:** 10N.m

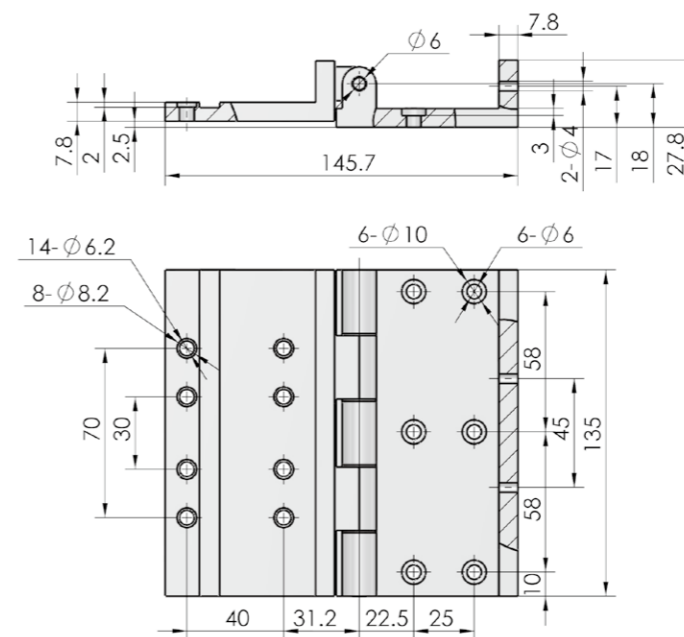
**CL288**



**Main material and finish:** Stainless steel hinge  
**Application:** Opening angle 180°  
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 3000N  
**Axial load:** 3000N



ERP CL288S00001



ERP CL289A2B001

**CL289-2**



**Main material and finish:** Painted aluminium alloy  
**Application:** Opening angle 180°  
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1000N  
**Axial load:** 1000N

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

**CL290**



**Main material and finish:** Stainless steel hinge

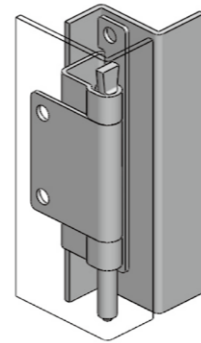
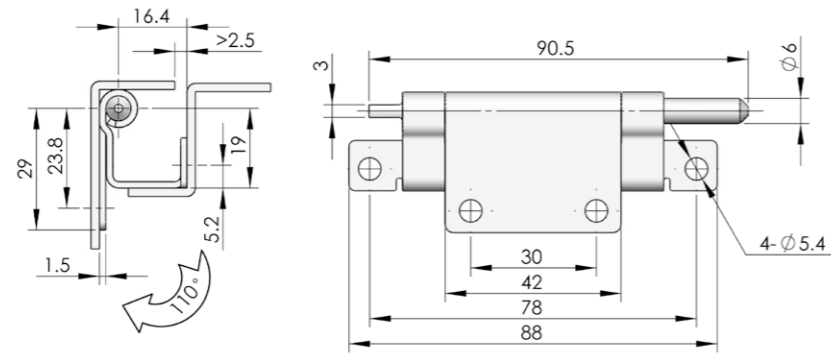
**Application:** Opening angle 110°

**Performance parameter:**

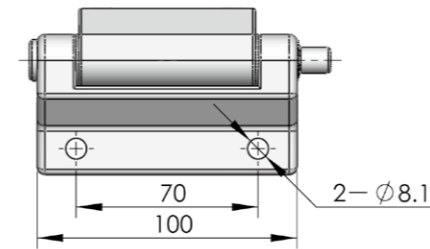
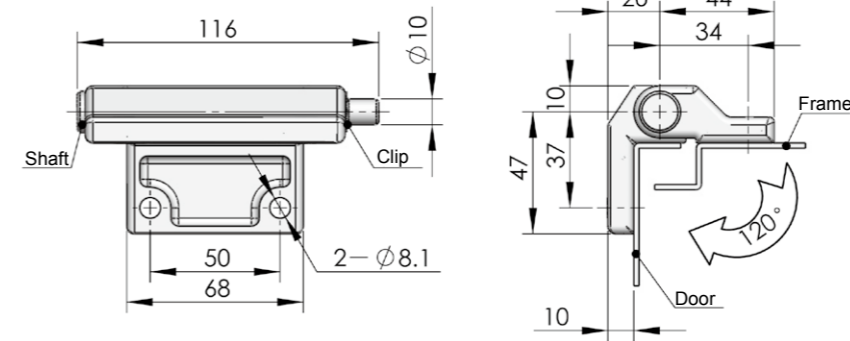
**Maximum static load**

**Radial load:** 140N

**Axial load:** 310N



ERP CL290S00001



ERP CL293F3I001

**CL293**



**Main material and finish:** Sand-spraying and nickel-plated casting steel hinge

**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**

**Radial load:** 3000N

**Axial load:** 3000N

**CL292**



**Main material and finish:** Sand-spraying and chrome-plated ZDC hinge, carbon steel pin

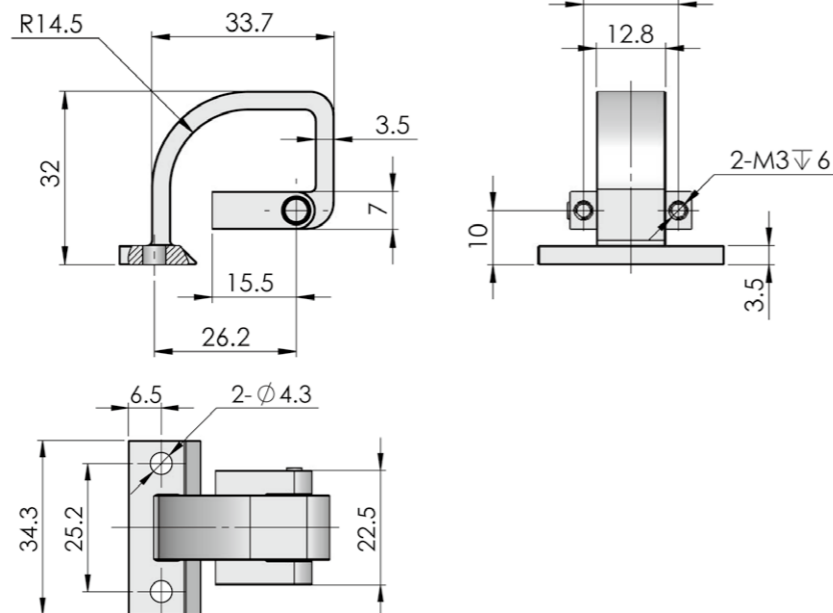
**Application:** Opening angle 180°

**Performance parameter:**

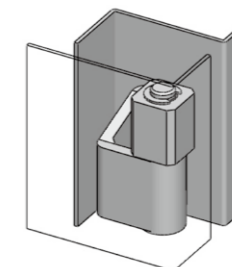
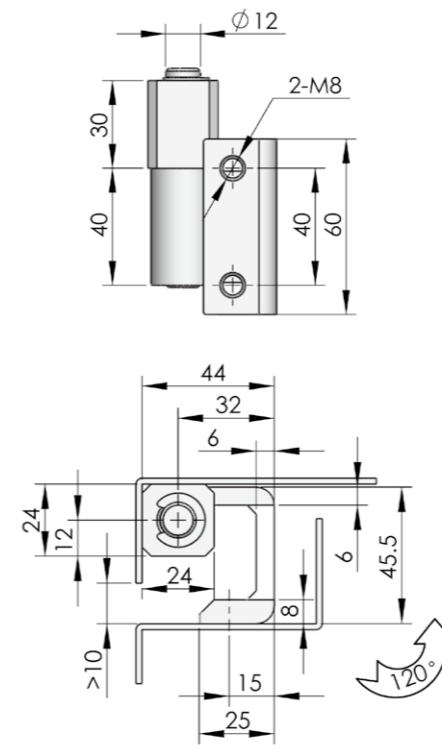
**Maximum static load**

**Radial load:** 95N

**Axial load:** 105N



ERP CL292Z3H001



ERP CL294S00001

**CL294**



**Main material and finish:** Stainless steel hinge

**Application:** Opening angle 120°

**Performance parameter:**

**Maximum static load**

**Radial load:** 2000N

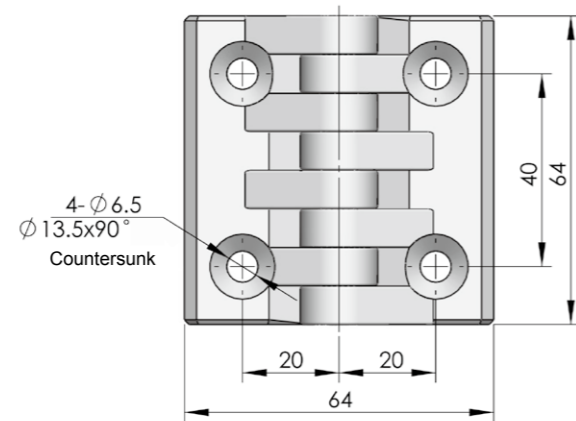
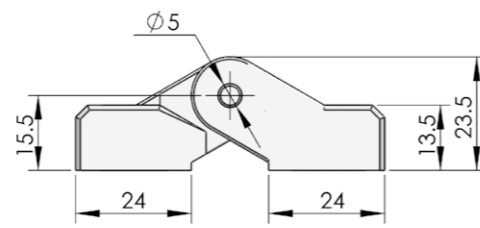
**Axial load:** 1500N

**CL295**



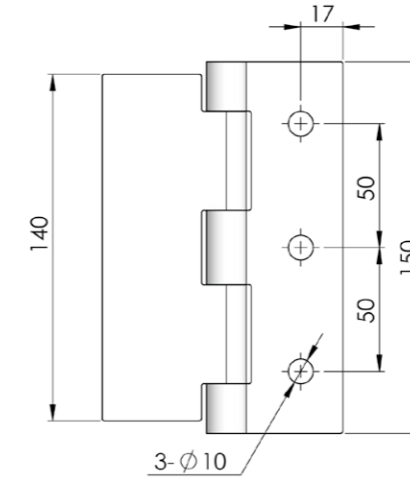
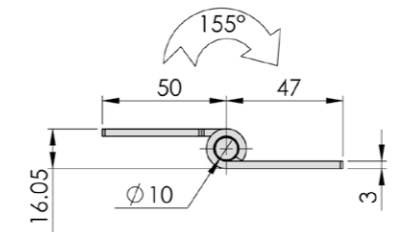
**Main material and finish:** Black PA hinge, white zinc plated steel pin  
**Application:** Opening angle 180°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1180N  
**Axial load:** 1515N



ERP

CL295N00001



ERP

CL297F00001

**CL297**



**Main material and finish:** Antirust oil soaked steel hinge  
**Application:** Opening angle 155°

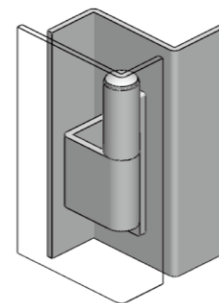
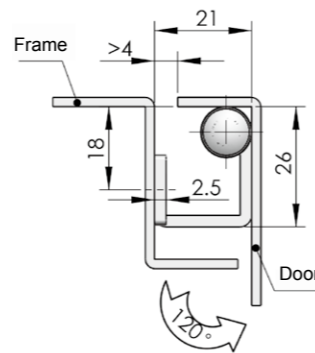
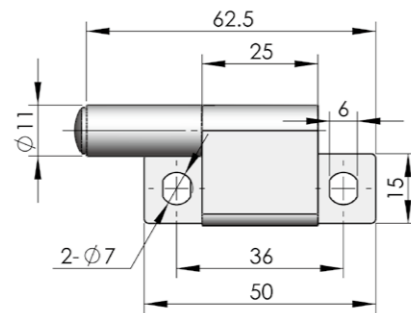
**Performance parameter:**  
**Maximum static load**  
**Radial load:** 1500N  
**Axial load:** 1800N

**CL296**



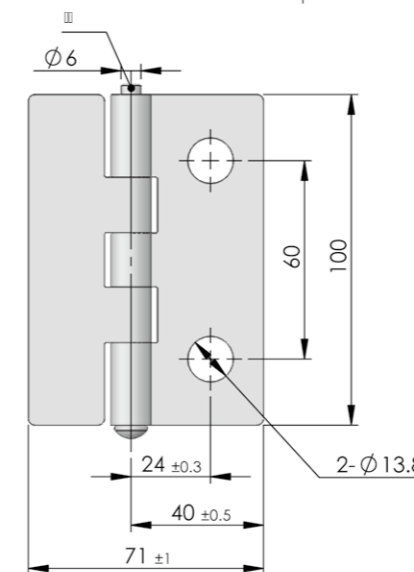
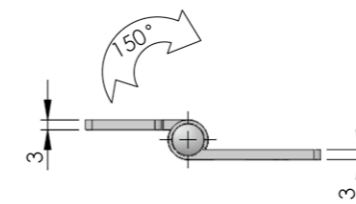
**Main material and finish:** White zinc-plated steel hinge  
**Application:** Opening angle 120°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 200N  
**Axial load:** 160N



ERP

CL296F3D001



ERP

CL297F00002

**CL297-2**



**Main material and finish:** Antirust oil soaked steel hinge leaf, stainless steel pin  
**Application:** Opening angle 150°

**Performance parameter:**  
**Maximum static load**  
**Radial load:** 900N  
**Axial load:** 2000N



**CL331**



**Main material and finish:** Nanometer painted ZDC hinge and nickel plated steel pin

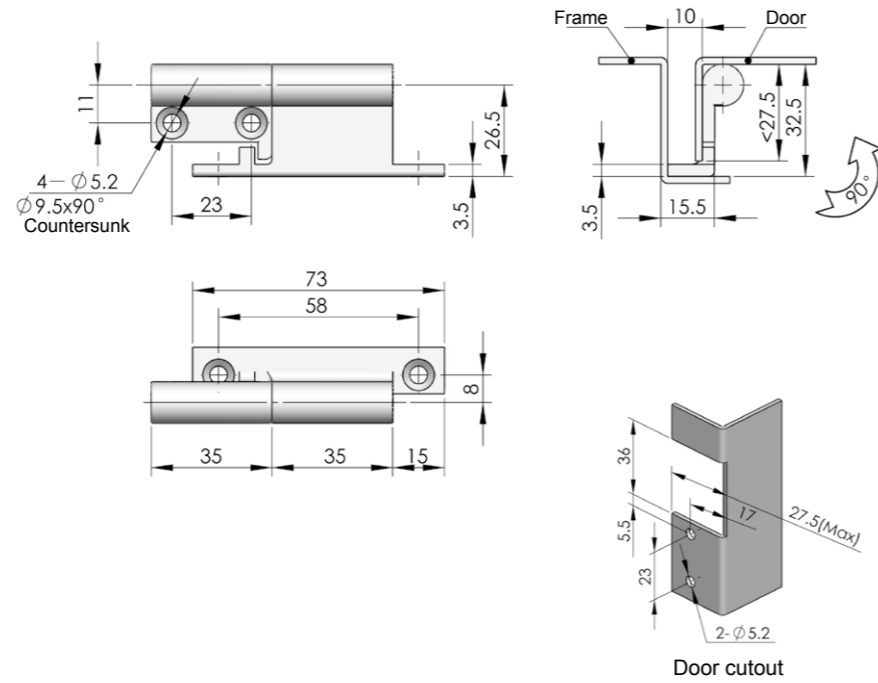
**Application:** Opening angle 90°

**Performance parameter:**

**Maximum static load**

**Radial load:** 260N

**Axial load:** 330N



	Nanometer painted	Black powder coated
ERP	CL331Z2B001	CL331Z1A001

**CL332**



**Main material and finish:** Black powder coated ZDC hinge and nicked plated steel pin

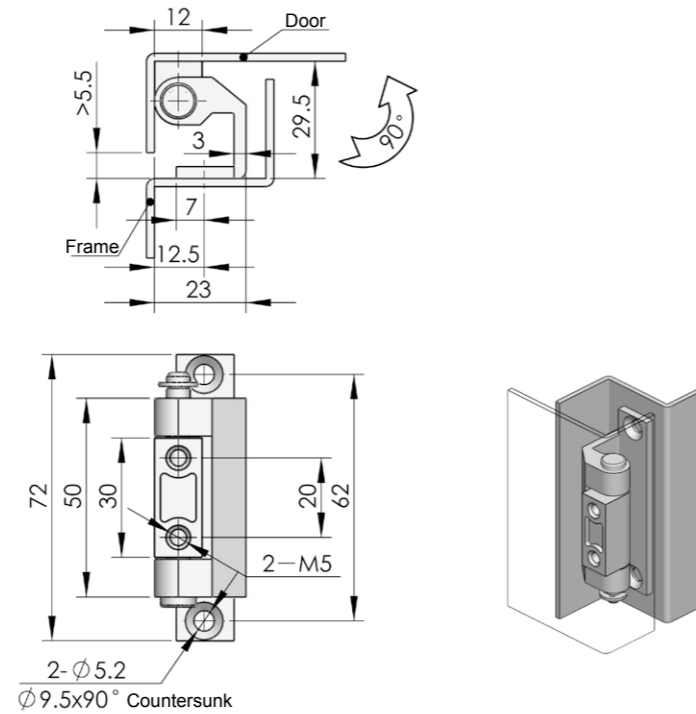
**Application:** Opening angle 90°

**Performance parameter:**

**Maximum static load**

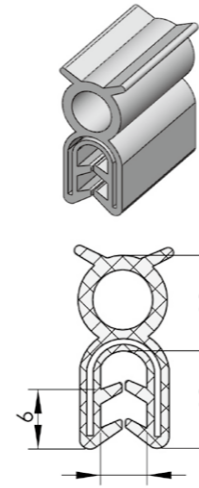
**Radial load:** 295N

**Axial load:** 625N

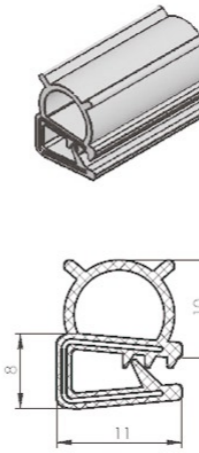


	Nanometer painted	Black powder coated
ERP	CL332Z2B001	CL332Z1A001

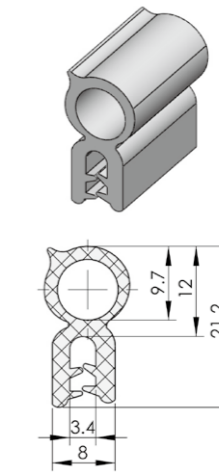
**MFT-001**



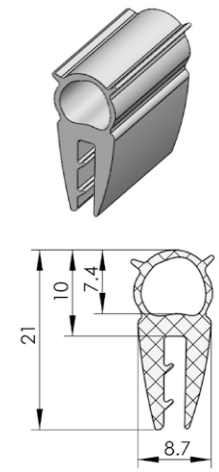
**MFT-002**



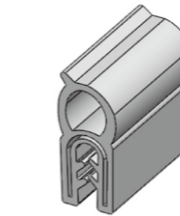
**MFT-003**



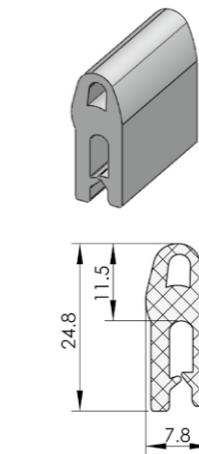
**MFT-004**



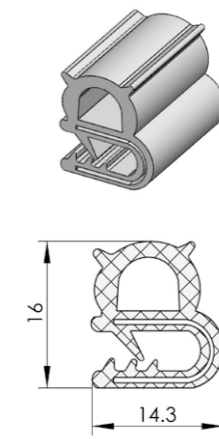
**MFT-005**



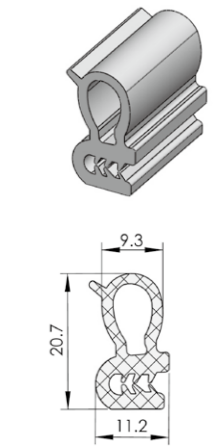
**MFT-007**



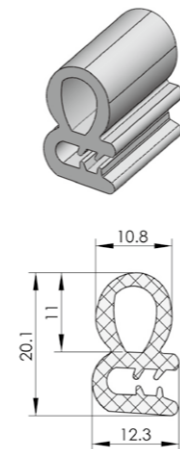
**MFT-009**



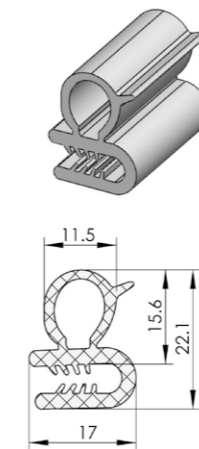
**MFT-010**



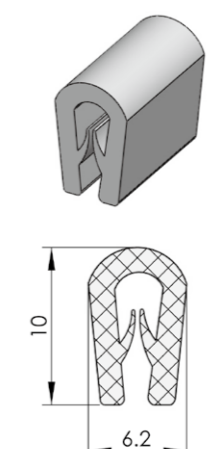
**MFT-011**



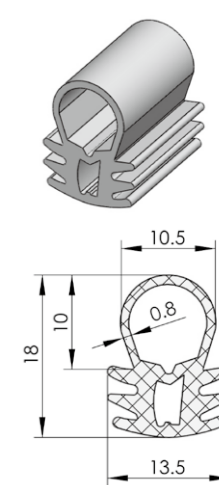
**MFT-012**



**MFT-015**



**MFT-016**



Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket

Accessories  
Electronic lock  
Handle lock  
Cylinder lock  
Plane lock  
Rod control lock  
Panel lock  
Toggle and hook  
Handles  
Door stop  
Hinge  
Seal gasket