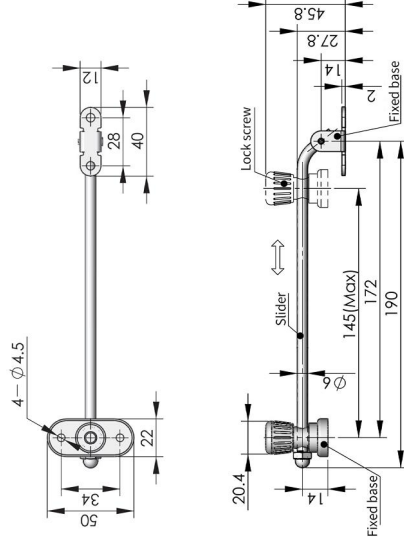


TX100-B



Specification

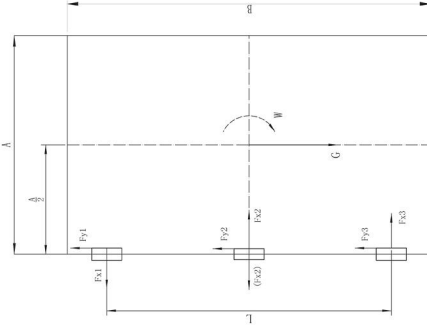
Material: Steel, ZDC rotary knob
Finish: Bright chrome plated



ERP

TX100F3A001

Hinge calculation instruction



Hinge calculation formula:

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

Axial force Fy analysis:

$F_y = G \cdot 1/n$
That is: $F_{y1} + F_{y2} + F_{y3} = G$
 $F_{y1} = F_{y2} = F_{y3} = G/n$

Radial force Fx analysis:

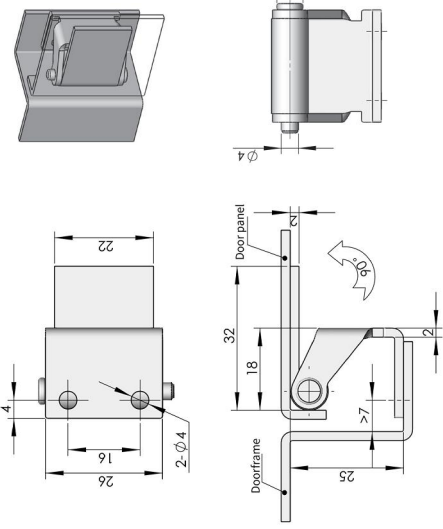
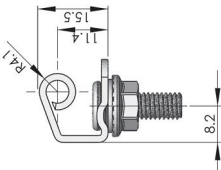
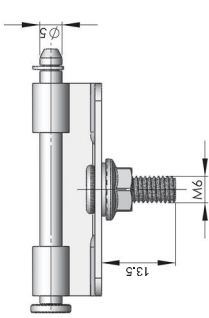
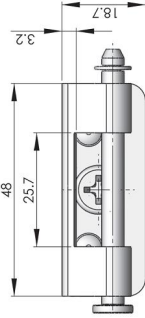
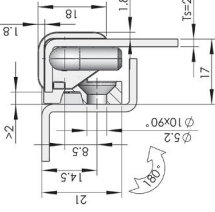
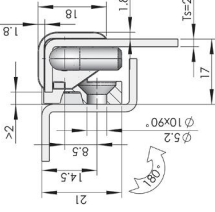
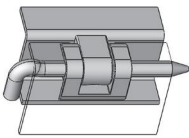
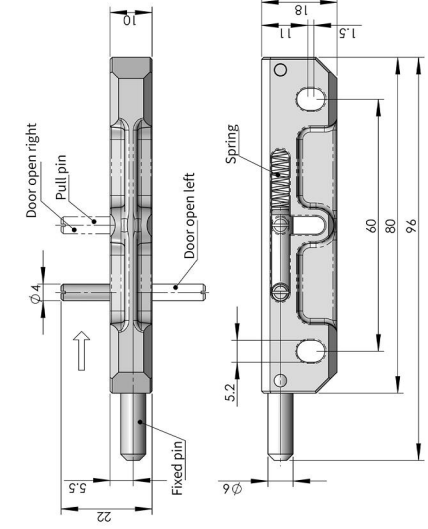
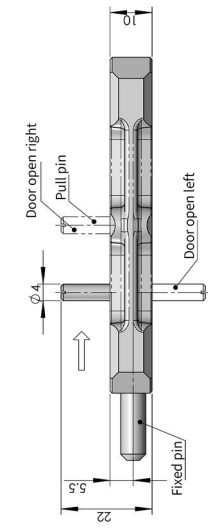
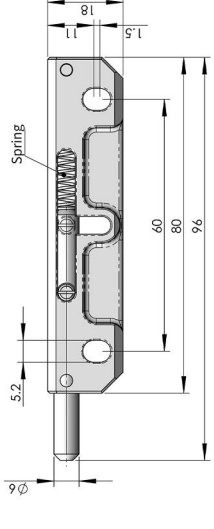
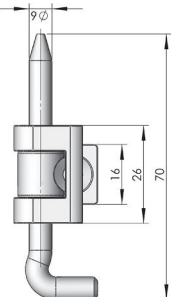
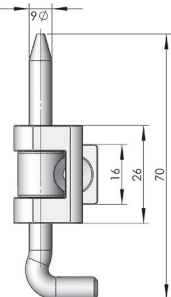
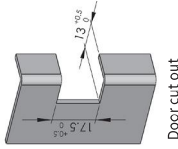
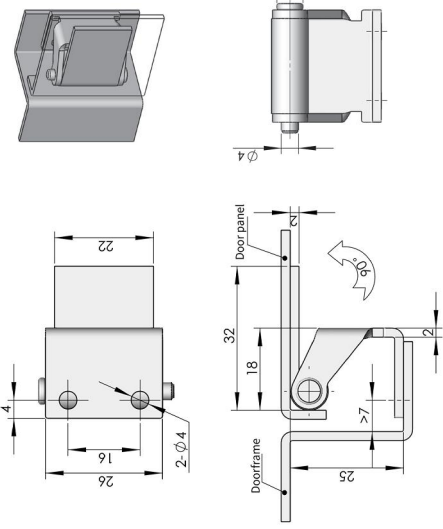
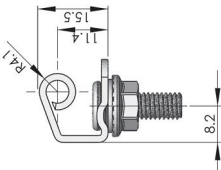
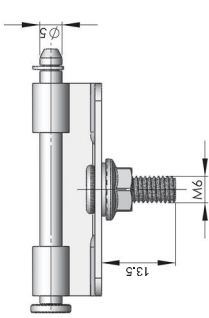
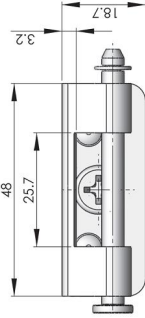
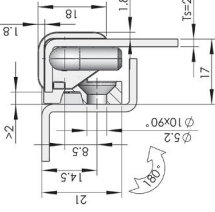
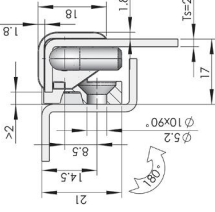
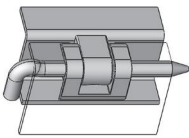
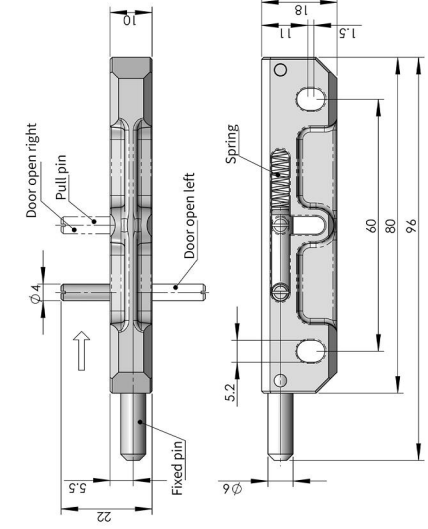
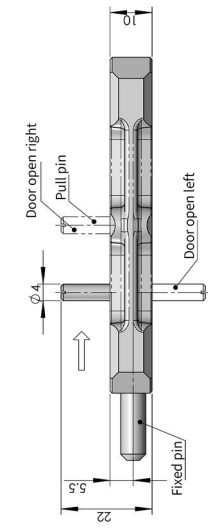
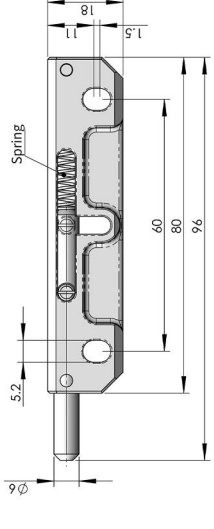
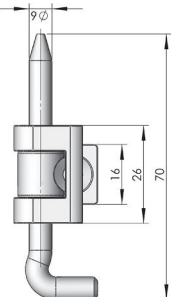
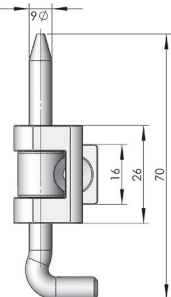
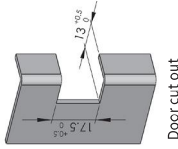
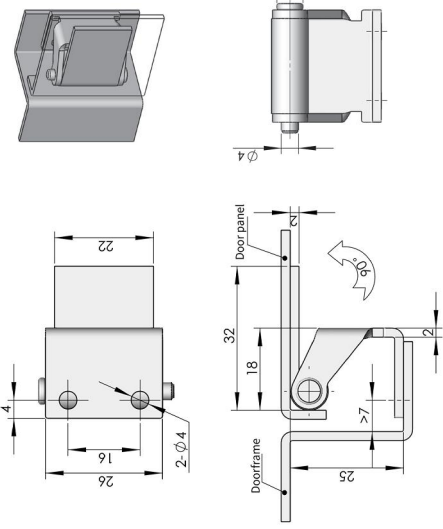
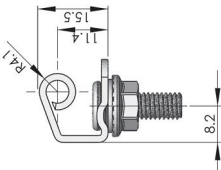
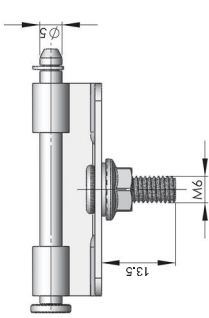
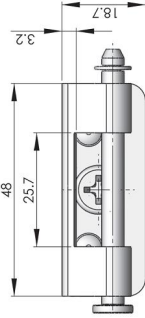
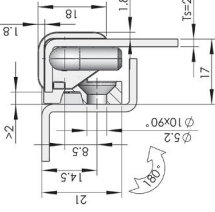
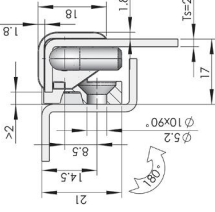
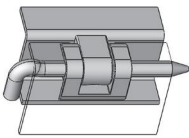
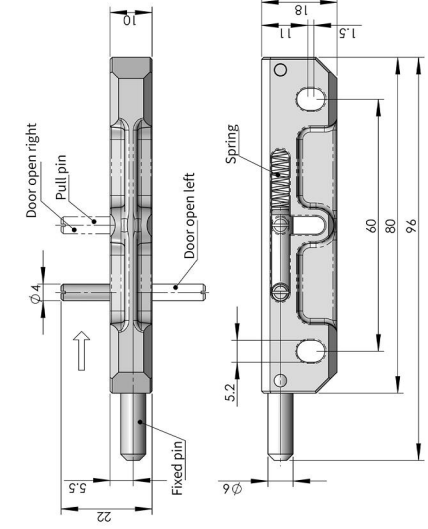
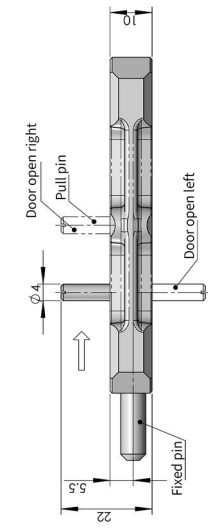
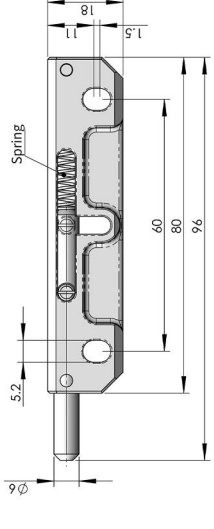
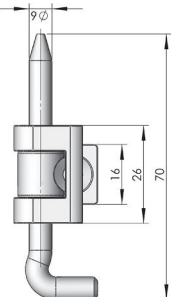
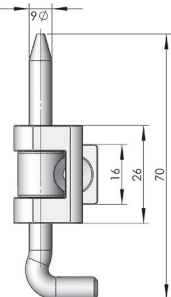
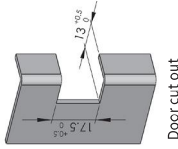
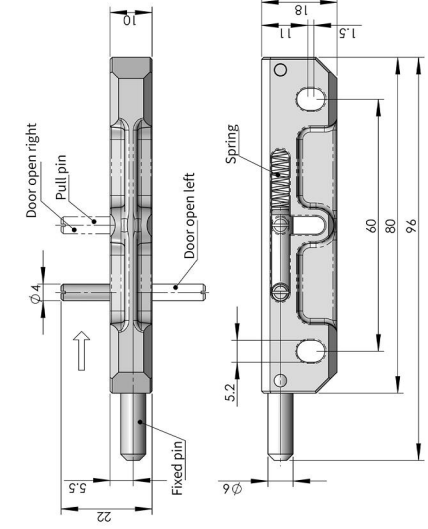
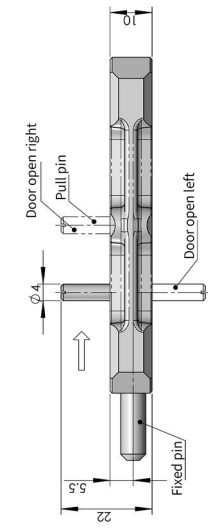
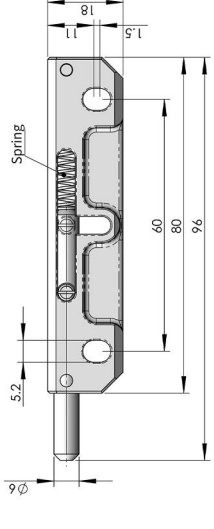
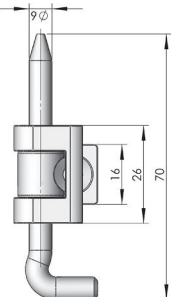
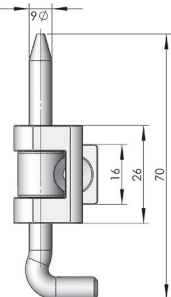
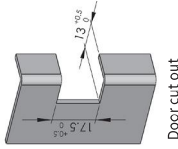
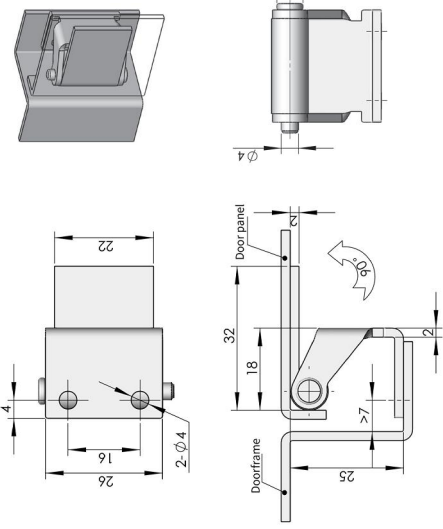
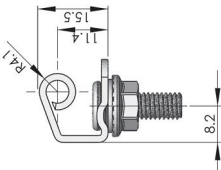
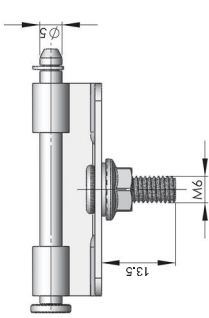
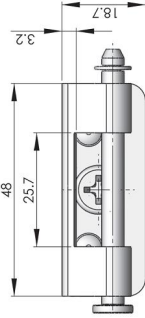
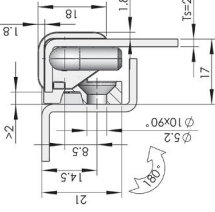
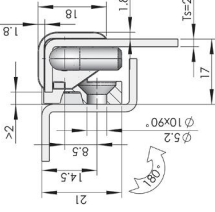
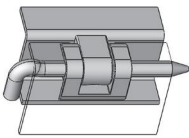
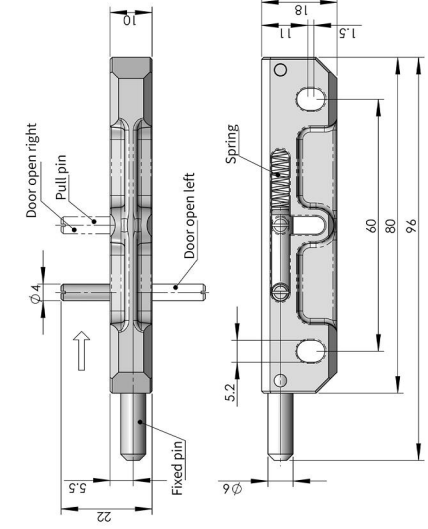
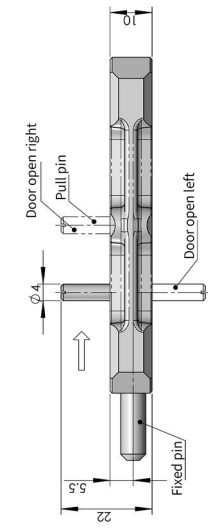
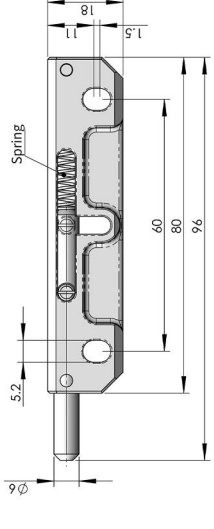
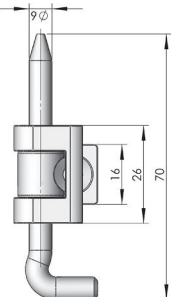
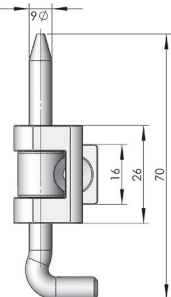
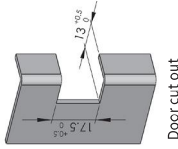
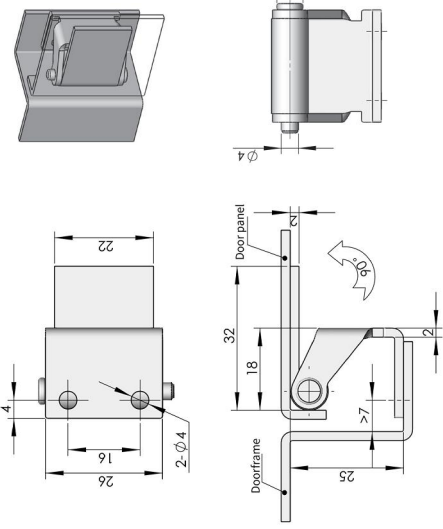
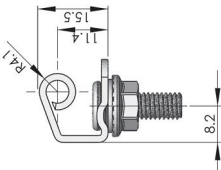
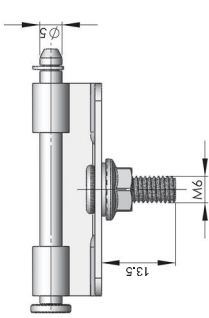
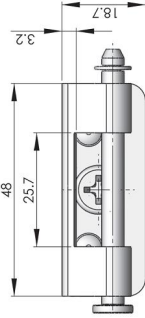
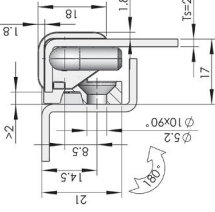
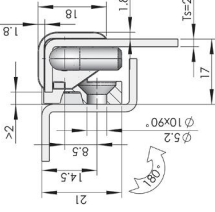
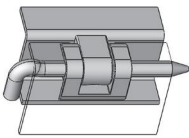
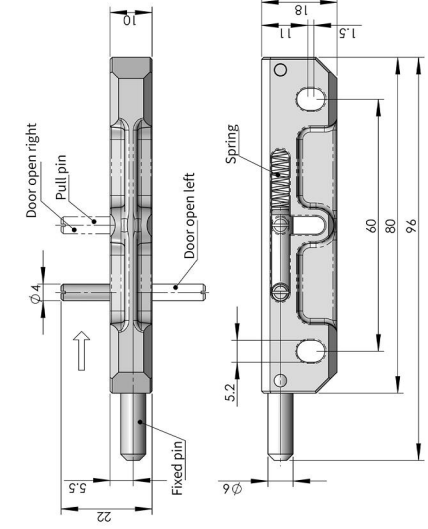
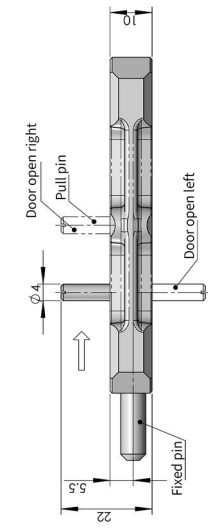
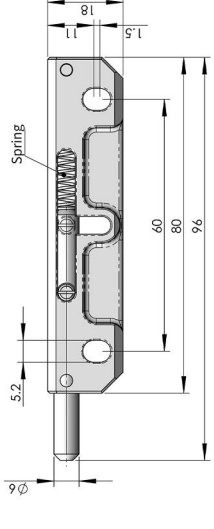
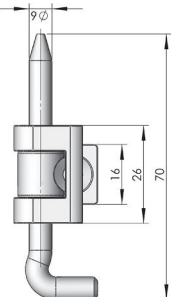
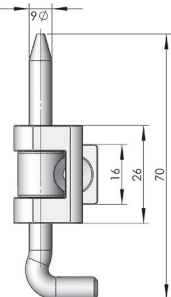
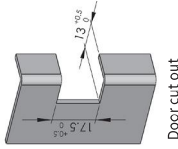
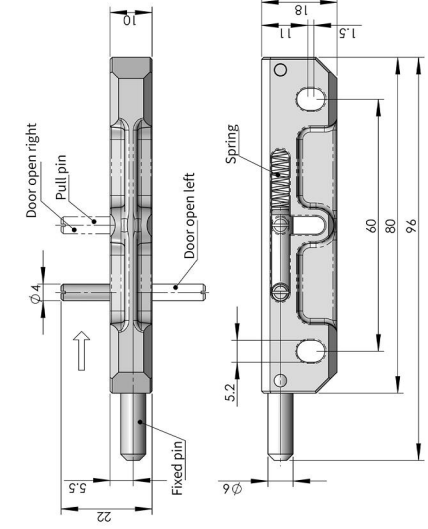
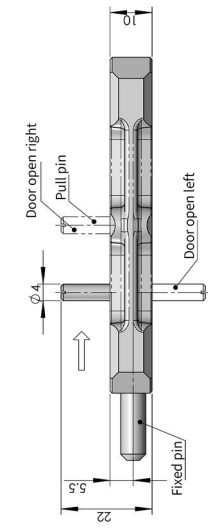
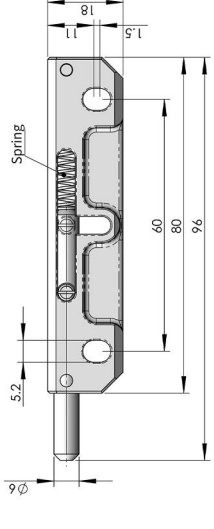
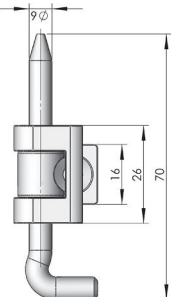
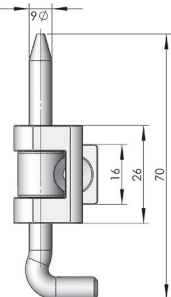
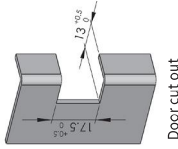
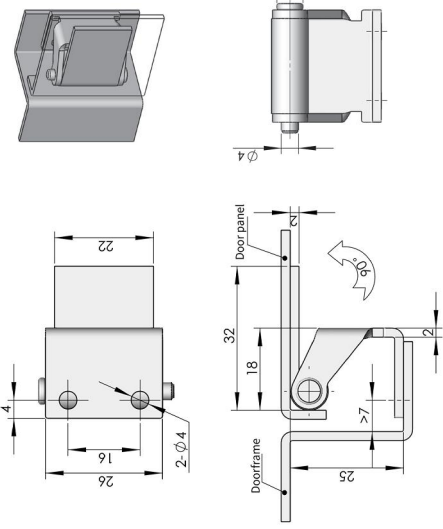
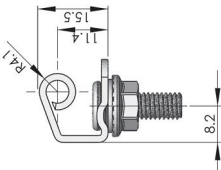
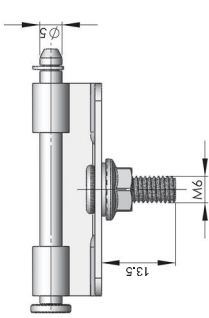
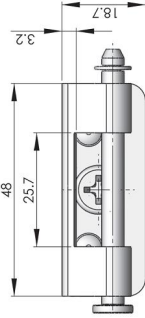
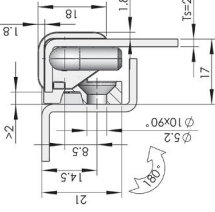
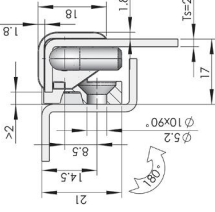
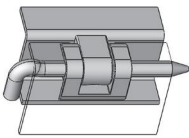
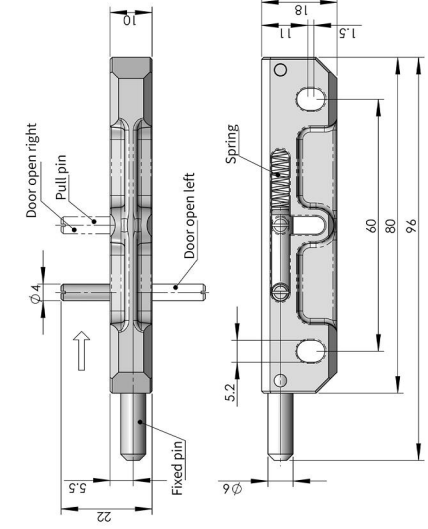
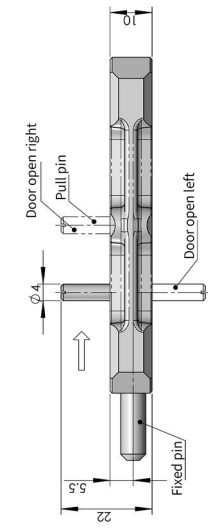
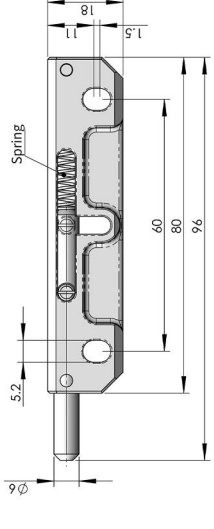
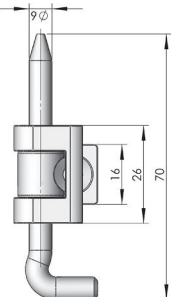
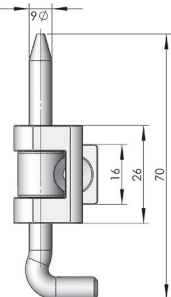
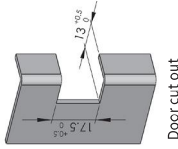
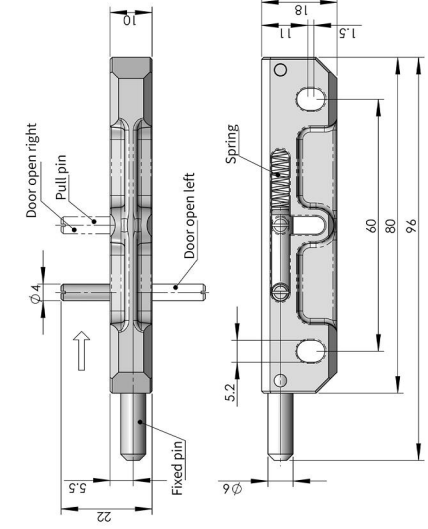
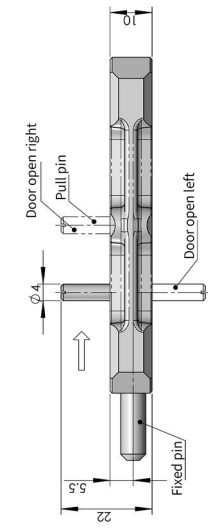
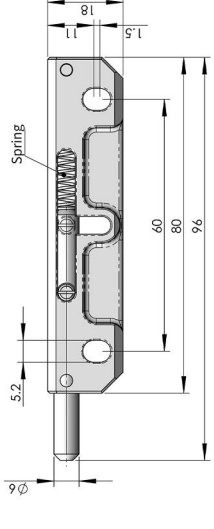
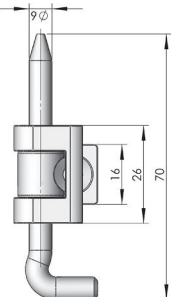
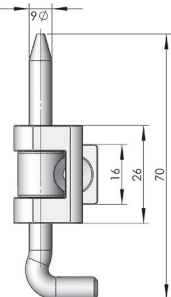
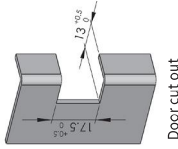
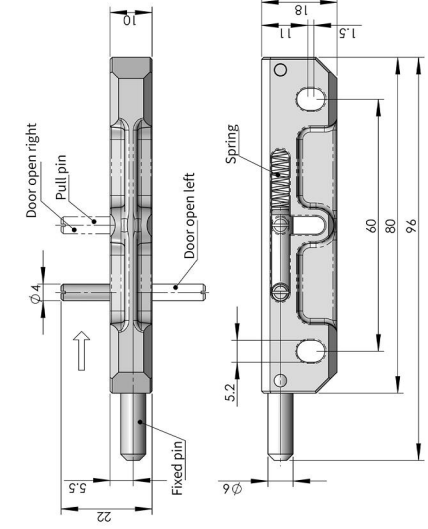
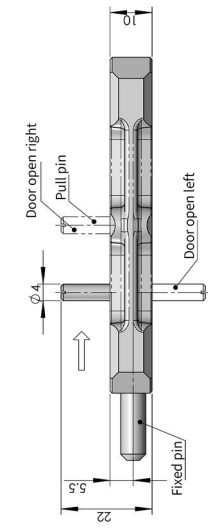
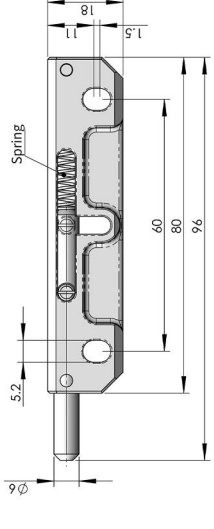
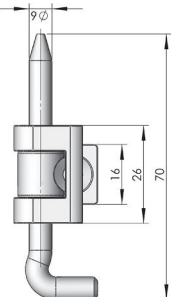
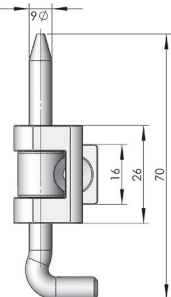
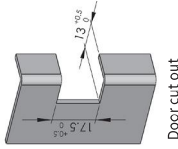
As picture shows, Fx2 and center G at the same height position,
This horizontal force is not applied to the center hinge F=0;
 $W = G \cdot A/2 = L \cdot F_x$
 $F_x = F_{x1} = F_{x3}$
 $F_{x1} = F_{x3} = G \cdot A/2L$

Remarks: 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;

HINGE SERIES

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

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket																																	
CL103  Specification Material: Steel hinge and pin Finish: Yellow zinc plated Application: Opening angle 90° Performance details: Maximum static load Radial load: 310N Axial load: 155N  CL104  Specification Material: Zinc alloy hinge and stainless steel pin Finish: Powder coat(black powder coating) Application: Opening angle 180° Performance details: Maximum static load Radial load: 405N Axial load: 805N  <tr><td colspan="11"> CL105  Specification Material: Steel hinge and pin Finish: White zinc plated Application: Opening angle 90° Performance details: Maximum static load Radial load: 60N Axial load: 120N  CL106  Specification Material: Zinc alloy hinge, stainless steel shaft and spring Finish: Sand-spraying and nickel plated Performance details: Maximum static load Radial load: N/A Axial load: 645N  <tr><td colspan="11"> CL105F3D001  ERP CL105F3D001    CL106-Z  ERP CL106Z3J001   <tr><td colspan="11"> CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002   </td></tr></td></tr></td></tr>											CL105  Specification Material: Steel hinge and pin Finish: White zinc plated Application: Opening angle 90° Performance details: Maximum static load Radial load: 60N Axial load: 120N  CL106  Specification Material: Zinc alloy hinge, stainless steel shaft and spring Finish: Sand-spraying and nickel plated Performance details: Maximum static load Radial load: N/A Axial load: 645N  <tr><td colspan="11"> CL105F3D001  ERP CL105F3D001    CL106-Z  ERP CL106Z3J001   <tr><td colspan="11"> CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002   </td></tr></td></tr>											CL105F3D001  ERP CL105F3D001    CL106-Z  ERP CL106Z3J001   <tr><td colspan="11"> CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002   </td></tr>											CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002  										
CL105  Specification Material: Steel hinge and pin Finish: White zinc plated Application: Opening angle 90° Performance details: Maximum static load Radial load: 60N Axial load: 120N  CL106  Specification Material: Zinc alloy hinge, stainless steel shaft and spring Finish: Sand-spraying and nickel plated Performance details: Maximum static load Radial load: N/A Axial load: 645N  <tr><td colspan="11"> CL105F3D001  ERP CL105F3D001    CL106-Z  ERP CL106Z3J001   <tr><td colspan="11"> CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002   </td></tr></td></tr>											CL105F3D001  ERP CL105F3D001    CL106-Z  ERP CL106Z3J001   <tr><td colspan="11"> CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002   </td></tr>											CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002  																					
CL105F3D001  ERP CL105F3D001    CL106-Z  ERP CL106Z3J001   <tr><td colspan="11"> CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002   </td></tr>											CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002  																																
CL106-Y  ERP CL106Z3J006   CL104Z1A002  ERP CL104Z1A002  																																											

CL108



Specification

Material: Black PA hinge and stainless steel pin
Finish: Stainless steel pin
Application: Opening angle 180°

Performance details:
Maximum static load

Radial load: 800N
Axial load: 600N

CL109



Specification

Material: Zinc alloy hinge and stainless steel pin
Finish: Powder coat (black powder coating)
Application: Opening angle 180°

Performance details:
Maximum static load

Radial load: 2500N
Axial load: 2500N

CL109-1X



Specification

Material: Zinc alloy hinge, stainless steel shaft
Finish: Painted hinge
Application: Opening angle 180°, new add sealing gasket, increase waterproof function

Performance details:
Maximum static load

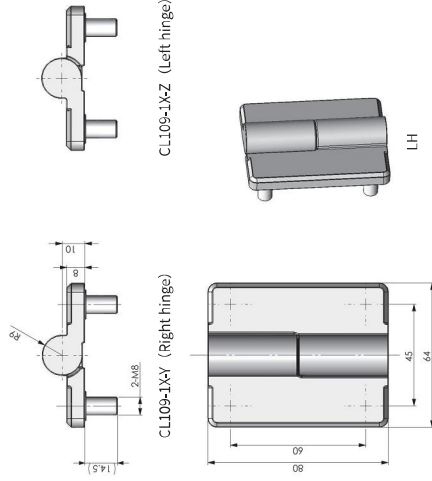
Radial load: 1400N
Axial load: 1400N

CL109-2X

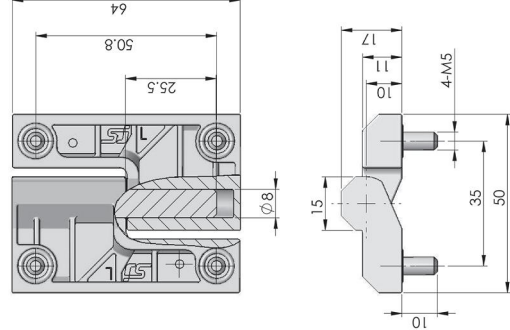


Specification

Material: Zinc alloy hinges, stainless steel pin and PTFE gasket
Finish: Black, pocked coated, new add sealing gasket, increase waterproof function

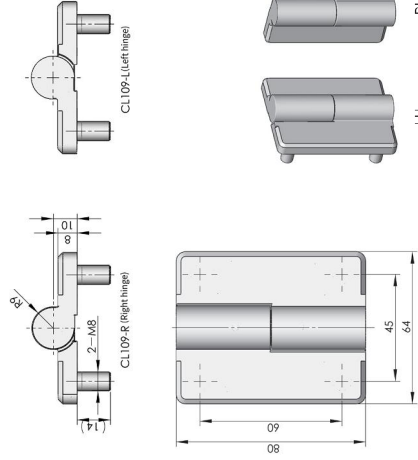


Specification	model	ERP
Black painted	CL109Z1A002	CL109Z2A002
Nanonmeter	CL109-1X-Z	CL109Z2B005
Black pocked coated	CL109-1X-Z	CL109Z2C002



Specification	Black pocked coated
ERP	CL109Z1B011

ERP CL108N00001



model	CL109-Z	CL109-Y
ERP	CL109Z1A002	CL109Z1A001

CL115



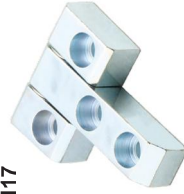
Specification

Material: Stainless steel hinge
Finish: Mirror polishing
Application: Opening angle 180°

Performance details:

Maximum static load
Radial load: 530N
Axial load: 800N

CL117

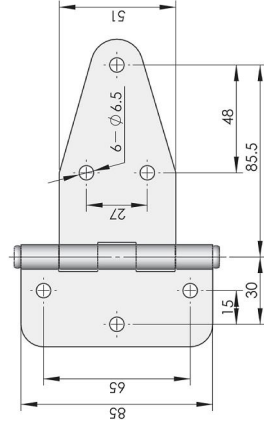
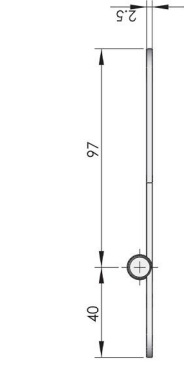


Specification

Material: Steel hinge and shaft
Finish: White zinc plated

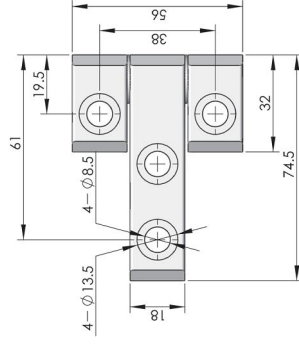
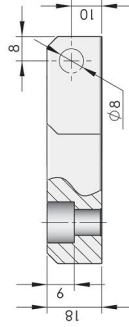
Performance details:

Maximum static load
Radial load: 3000N
Axial load: 3000N



ERP

CL115S4A001



ERP

CL117F3D001

CL121



Specification

Material: Zinc hinge and steel pin
Finish: Black powder coated and white zinc plated pin

Performance details:

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

CL123

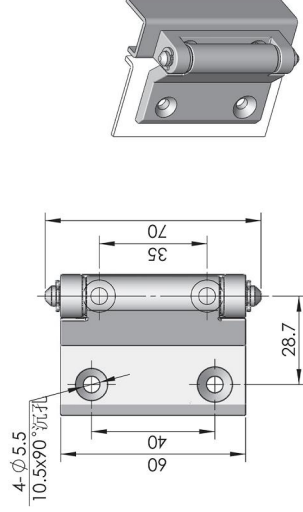
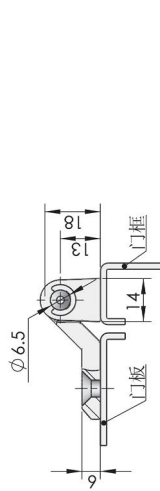


Specification

Material: Aluminum alloy hinge and steel shaft
Finish: Black powder coated and nickel-plated steel shaft

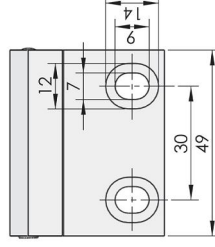
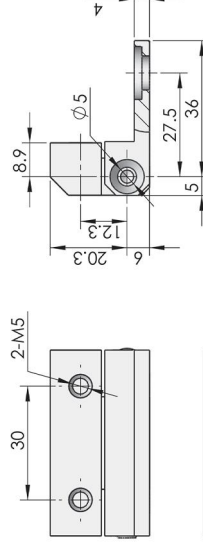
Performance details:

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



ERP

CL121Z1A001



ERP

CL123A1A001

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
CL127-4 Specification Material: Stainless steel Finish: Grinding and polishing Application: Opening angle 180° Performance details: Maximum static load Radial load : 2000N Axial load : 1230N						CL128 Specification Material: Steel hinge and pin Finish: White zinc plated Application: Opening angle 90° Performance details: Maximum static load Radial load : 160N Axial load : 140N				
CL127-1 Specification Material: Stainless steel hinge and pin Finish: Mirror polishing Application: Opening angle 180° Performance details: Maximum static load Radial load : 3145N Axial load : 3000N						CL128F3D001				
CL127-2 Specification Material: Stainless steel hinge and pin Finish: Mirror polishing Application: Opening angle 180° Performance details: Maximum static load Radial load : 3145N Axial load : 3000N						CL128F3D001				
CL127S4A002 Specification Material: Stainless steel hinge and pin Finish: Mirror polishing Application: Opening angle 180° Performance details: Maximum static load Radial load : 3145N Axial load : 3000N						CL128F3D001				
CL127S4A003 Specification Material: Stainless steel hinge and pin Finish: Mirror polishing Application: Opening angle 180° Performance details: Maximum static load Radial load : 3145N Axial load : 3000N						CL128F3D001				

CL128-2



Specification

Material: Steel hinge and pin
Finish: 3+ white zinc plated
Performance details:
Maximum static load
Radial load: 375N
Axial load: 305N

CL130-2



Specification

Material: Steel
Finish: White zinc plated
Remarks: When the gap between door and frame is 2mm, the opening angle is 90°
Performance details:
Maximum static load
Radial load: 1125N
Axial load: 1320N

CL129



Specification

Material: Steel
Finish: 3+ white zinc plated
Performance details:
Maximum static load
Radial load: 180N
Axial load: 250N

CL132



Specification

Material: Aluminum alloy hinge stainless steel pin
Finish: Sand blasting
Application: Opening angle 110°
Performance details:
Maximum static load
Radial load: 800N
Axial load: 425N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

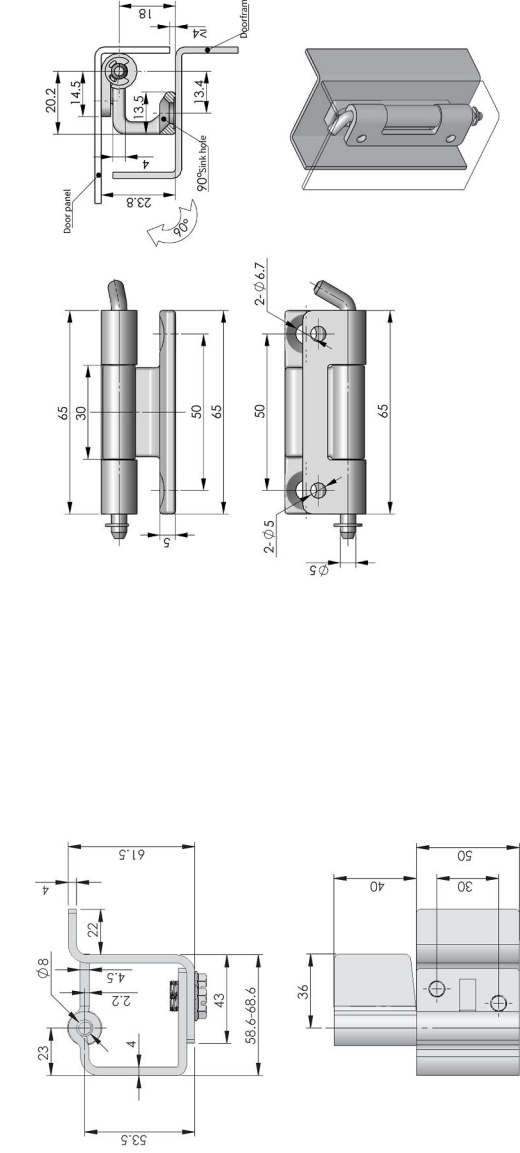
Toggle and hook

Handles

Door stop

Hinge

Seal gasket

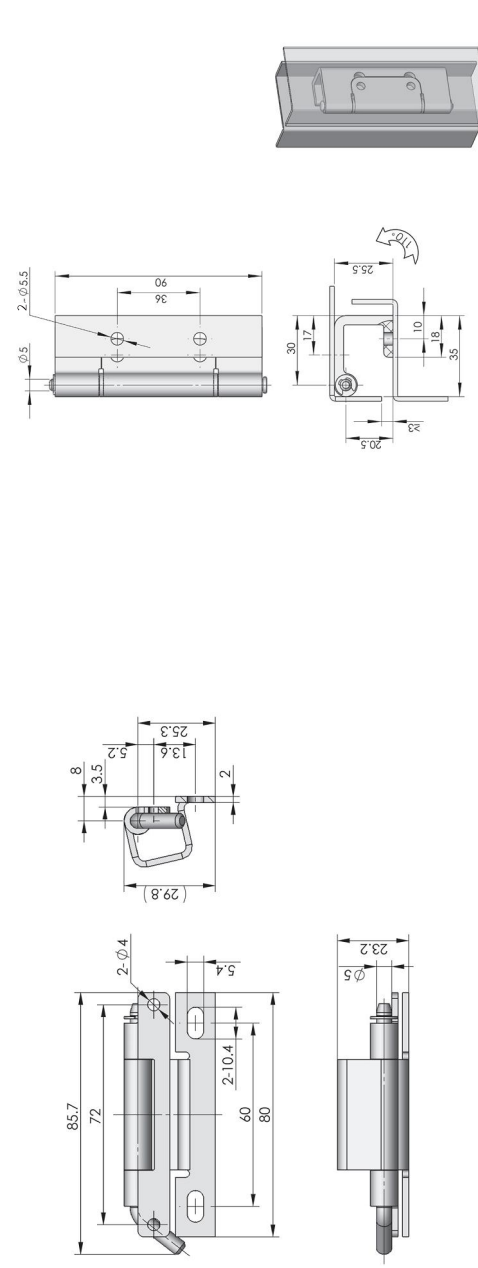


ERP

CL128F3D004

ERP

CL130F3D001

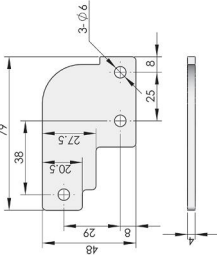
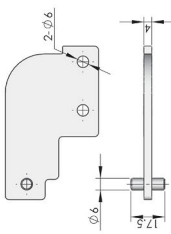
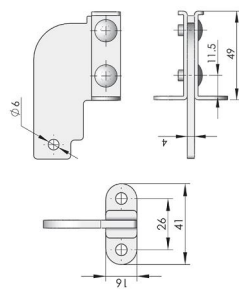
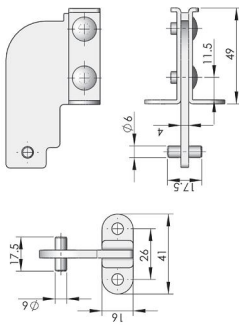
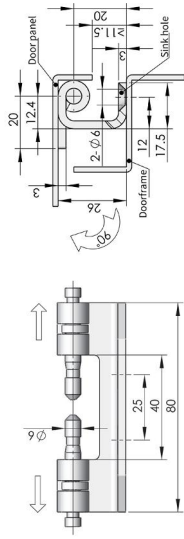
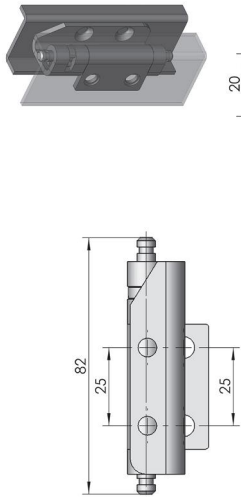
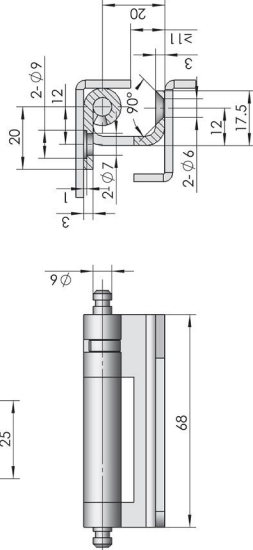


ERP

CL129F3D001

ERP

CL132A4D001

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket																																	
CL135  Specification Material: Steel hinge Finish: Black painted											CL138  Specification Material: Steel hinge and pin Finish: White zinc plated Application: Opening angle 135° Performance details: Maximum static load Radial load: 690N Axial load: 630N											CL135-1  ERP CL135F2A001 CL135-2  ERP CL135F2A002 CL135-3  ERP CL135F2A003 CL135-4  ERP CL135F2A004											CL138-3  ERP CL138F3D001 CL138-3-Z  ERP CL138F3D004 CL138-3-Y  ERP CL138F3D005										

Seal gasket	Hinge	Door stop	Handles	Loggia and hook	Panel lock	Rod control lock	Plane lock	Cylinder lock	Handle lock	Accessories
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CL150



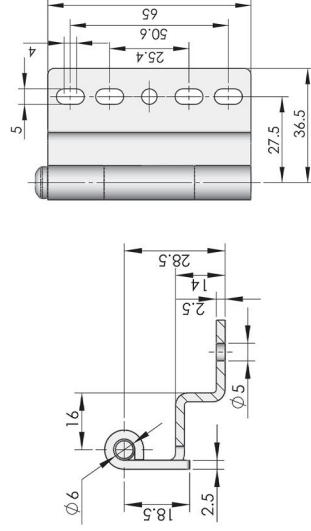
Specification

Material and finish: Steel hinge and shaft
Finish: White zinc plated

Performance details:

Maximum static

Radial load: 630N



Technical drawing of a 3D printed part, showing a side view and a top view. The side view shows a rectangular block with a central cylindrical hole. The top view shows a rectangular block with four circular holes arranged in a 2x2 grid. Dimensions are provided for the holes and the overall size of the part.

Dimensions:

- Top view: 4 - $\phi 7.5$ (outer diameter), 4 - $\phi 4.5$ (inner diameter)
- Side view: 20 (height), 32 (width), 50.8 (length)

CL152



Specification

Material: Stainless steel hinge and shaft

Finish: Electrolytic polish

Application: Max opening angle 180°

Performance details:

maximum static
permissible de

Radial load: 630N

Seal gasket[illegible]

CL153-4-2



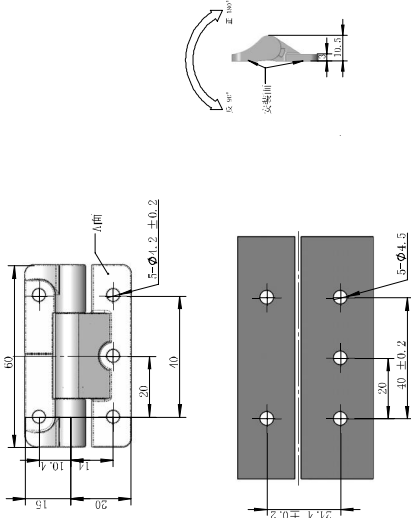
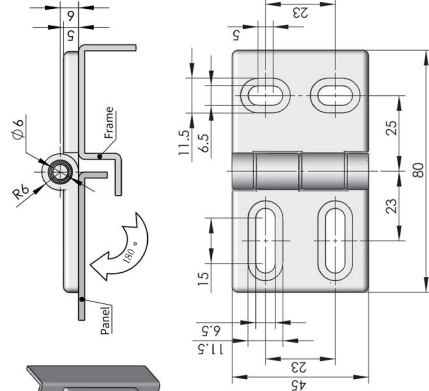
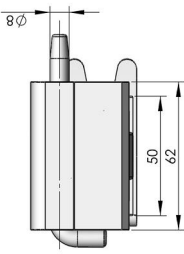
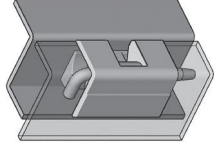
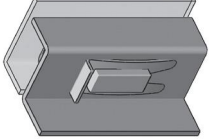
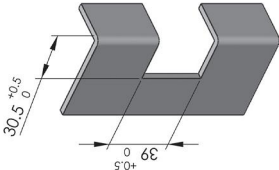
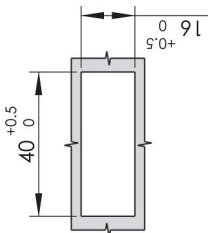
CL153-5



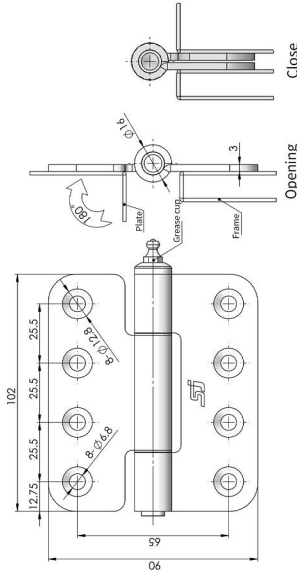
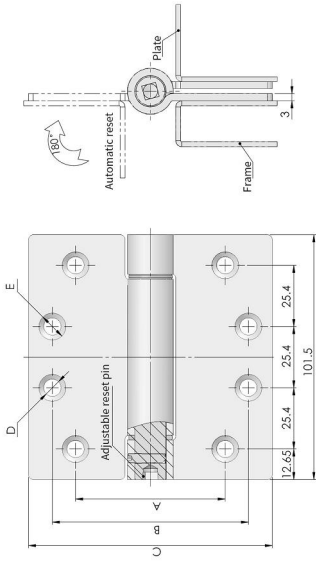
Specification

Material: Zinc alloy
Finish: Black painted

	CL153-4-2	CL153-5
ERP	CL15372C003	CL15372C001

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
CL153-4-2D  New Specification Material: Zinc alloy Surface treatment: High salt spray resistance black paint Note: Parts meet neutral salt spray 720H/8 level, product service life 20,000 cycles, standard damping value 1.8N m±20% Performance details: Maximum static load Radial load: 500N Axial load: 500N CL156  Specification Material: Aluminium alloy hinge, stainless steel shaft Finish: Sand blasting Application: Max opening angle 180° Performance details: Maximum static load Radial load: 620N Axial load: 365N										
CL154  Specification Material: Zinc alloy hinge, stainless steel shaft Finish: Painting/blue grey RAL 7012 Application: Max opening angle 135° Performance details: Maximum static load Radial load: 2500N Axial load: 2200N CL153Z2E004 ERP  CL156AD001 ERP 										
CL154Z1D001 ERP  CL154Z1D001 ERP  CL154Z1D001 ERP  CL154Z1D001 ERP  CL154Z1D001 ERP  CL154Z1D001 ERP  CL154Z1D001 ERP 										

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
CL158-2 Specification Material: Stainless steel(wire-drawing)hinge stainless steel shaft Application: Max opening angle 180° Performance details: Maximum static load Radial load: 1200N Axial load: 1200N						CL163 Specification Material: Stainless steel (wiredrawing) hinge and sheft Performance details: Maximum static load Radial load: 130N Axial load: 1180N				
CL156-2 Specification Material: Stainless steel 304 Finish: Mirror polished Application: Max opening angle 180° Performance details: Maximum static load Radial load: 350N Axial load: 450N						CL158 Specification Material: Steel hinge and shaft Finish: Zinc plated Performance details: Maximum static load Radial load: 3000N Axial load: 2500N				
Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket																																															
CL167  Specification Material: Steel hinge, aluminium alloy shaft Finish: Zinc plated Application: Max opening angle 120° Performance details: Maximum static load Radial load: 210N Axial load: 320N 										CL168  Specification Material: Steel hinge and shaft Finish: Zinc plated Performance details: Maximum static load Radial load: 200N Axial load: 330N 																																															
CL158-3  Specification Material: Stainless steel (wiredrawing)hinges, steel shaft Application: Max opening angle 180° Performance details: Maximum static load Radial load: 173N Axial load: 2000N 										CL158-4  Specification Material: Stainless steel hinge and shaft Finish: Draw polishing Application: Reset hinge, max opening angle 180° Performance details: Maximum static load Reset torsion: 2Nm Radial load: 1000N Axial load: 1500N 										<table><tr><th>Part number</th><th>ERP</th><th colspan="5">Specification</th></tr><tr><td></td><td></td><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th></tr><tr><td>CL158-4</td><td>CL158S4B003</td><td>62</td><td>81.2</td><td>101</td><td>φ7.2</td><td>φ10.5</td></tr><tr><td>CL158-5</td><td>CL158S4B004</td><td>37</td><td>56.2</td><td>76</td><td>φ6.6</td><td>φ10</td></tr></table>										Part number	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
Part number	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	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket																																															

CL168-2



Specification

Material: Stainless steel 304
Finish: Mirror polishing
Application: Max opening angle 120°

Performance details:
Maximum static load

Radial load: 290N
Axial load: 540N

CL170



Specification

Material: Steel hinge and pin
Finish: Zinc plated

Performance details:
Maximum static load

Radial load: 800N
Axial load: 600N

CL173



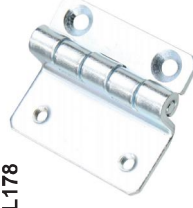
Specification

Material: Stainless steel hinge and shaft
Application: Max opening angle 90°

Performance details:
Maximum static load

Radial load: 180N
Axial load: 75N

CL178

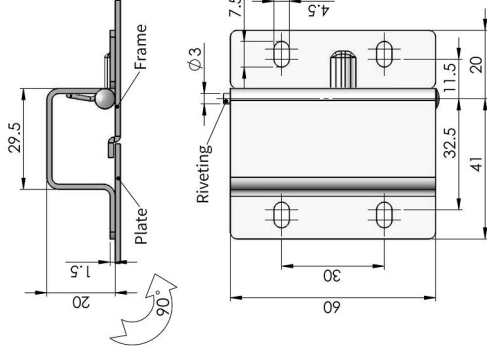


Specification

Material: Steel hinge and shaft
Finish: Zinc plated

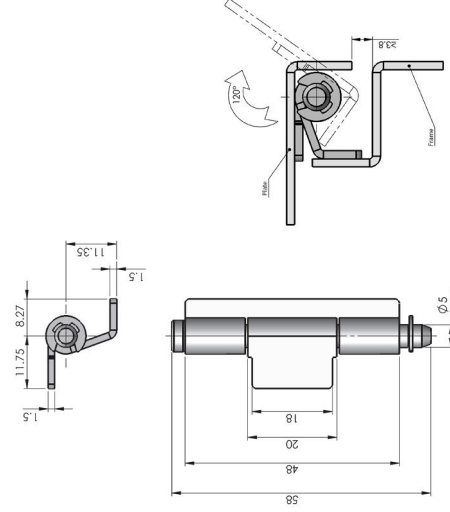
Performance details:
Maximum static load

Radial load: 1280N
Axial load: 1170N



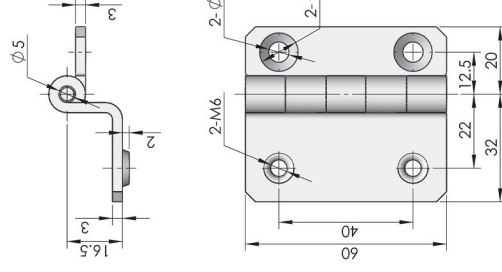
ERP

CL173S00001



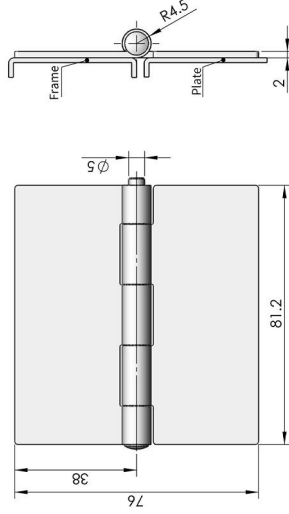
ERP

CL168S4A001



ERP

CL178FSD001



ERP

CL170F3D001

CL179



Specification

Material: Stainless steel
Finish: Draw polishing

Performance details:
Maximum static load
Radial load: 2000N
Axial load: 1500N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL180



Specification

Material: SUS304 stainless steel
Finish: Magnetic polishing

Performance details:
Maximum static load
Radial load: 705N
Axial load: 400N

CL181



Specification

Material: Steel hinge, stainless steel shaft
Finish: Zinc plated

Performance details:
Maximum static load
Radial load: 500N
Axial load: 420N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

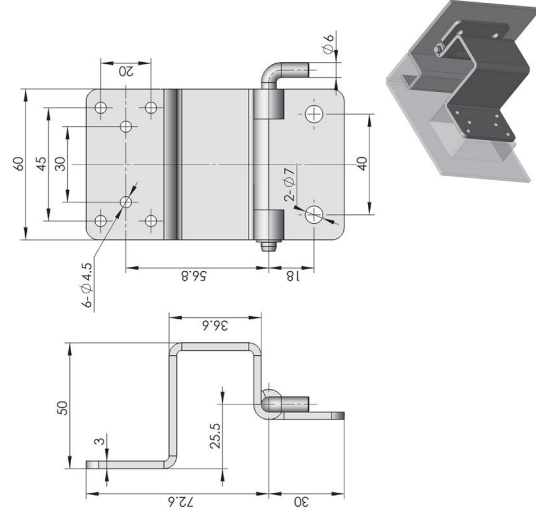
Toggle and hook

Handles

Door stop

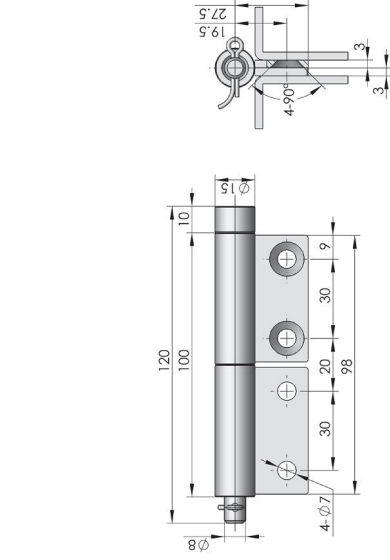
Hinge

Seal gasket



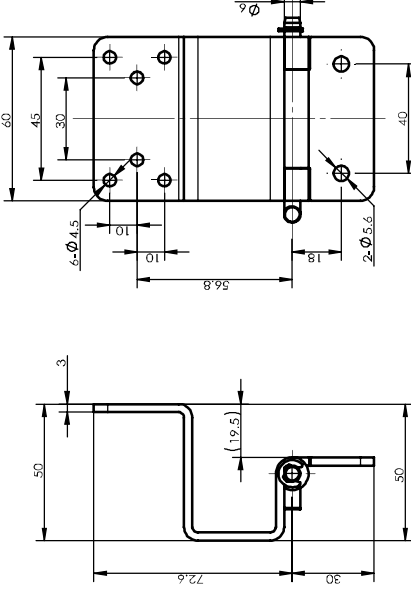
CL181F3J001

ERP



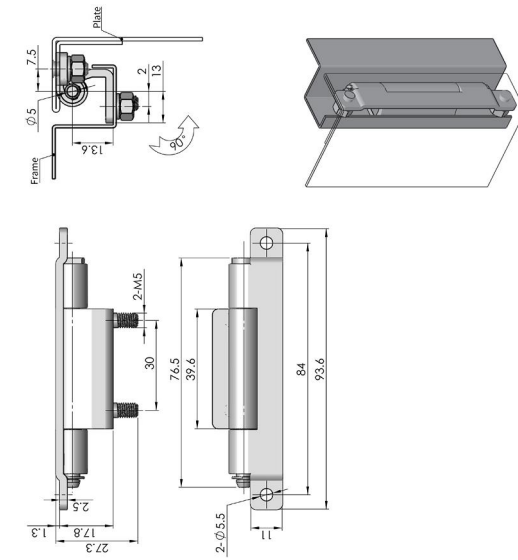
CL179S4B001

ERP



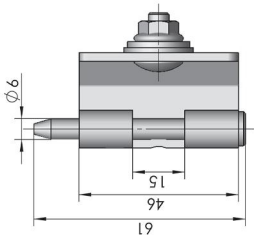
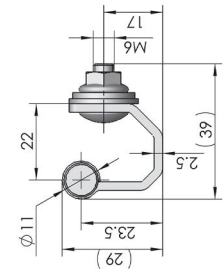
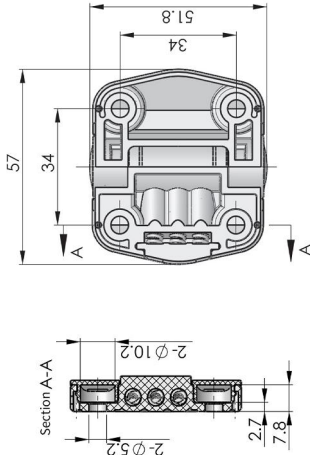
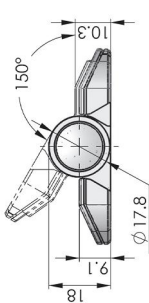
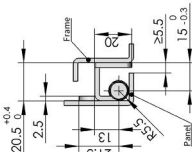
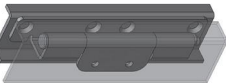
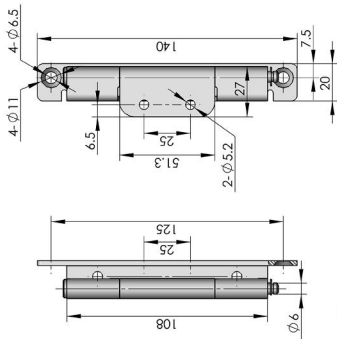
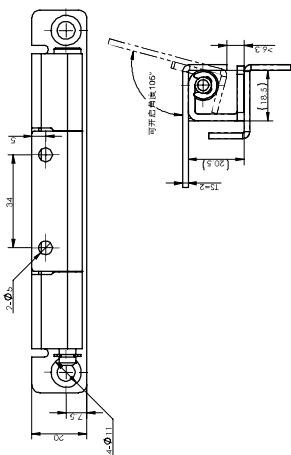
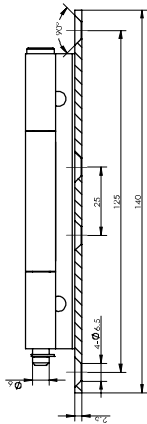
CL181S9D001

ERP



CL180SX001

ERP

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
CL190   Specification Material: Steel Finish: Zinc plated Performance details: Maximum static load Radial load: 365N Axial load: 255N					CL195   Specification Material: POM (Black) hinges, steel shaft Application: Positioning angle is 150°					
 CL190F3D003 ERP					 CL195N00001 ERP					
 CL186S9C001 ERP					 CL186S9C002 ERP					
CL186   Specification Material: Stainless steel hinge and shaft Finish: Electrolytic polished Application: Max opening angle 120° Performance details: Maximum static load Radial load: 660N Axial load: 800N					CL186-1D   Specification Material: Stainless steel Surface treatment: Electrolysis Structure description: Can be opened at an angle of 105° Performance details: Maximum static load Axial load: 800N Radial load: 700N					
Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket

CL196



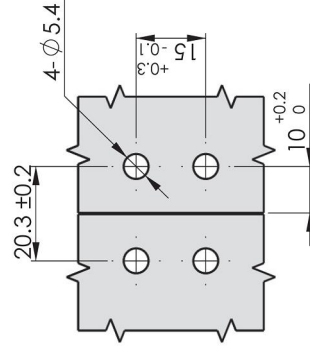
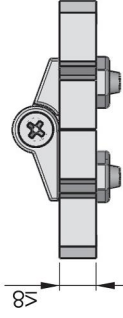
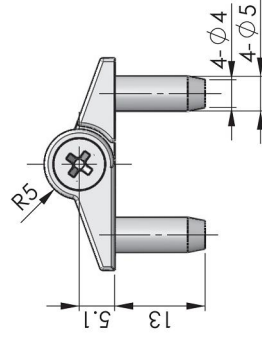
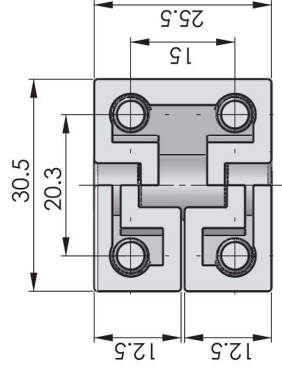
Specification

Material: POM black hinge
Note: The hinge is provided with special tapping screws

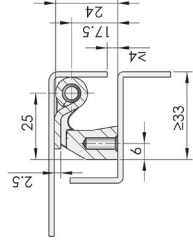
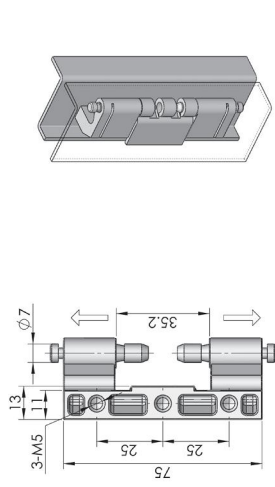
Performance details:
Maximum static load

Radial load: 80N
Axial load: 255N

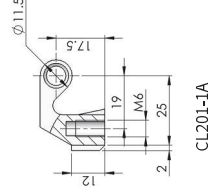
Accessories Handle lock Cylinder lock Plane lock Rod control Panel lock Toggle and hook Handles Door stop Hinge Seal gasket



ERP CL196N00001

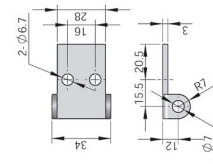


CL201-1

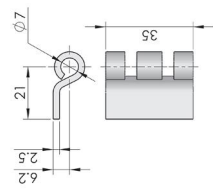


CL201-1A

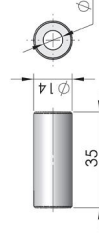
Remakr: ≥ size is 3.7, door's open angle is 90°



U shaft accessory
ERP: 3452011001 (Zinc plated)



Claw shape accessory
ERP: 3452011002 (Zinc plated)



Pipe shape accessory
ERP: 3452011013 (Zinc plated)

Specification	CL201-1	CL201-1A	CL201-1B
Black painting	CL201Z2A002	CL201Z2A032	
Nanometer	CL201Z2B017	CL201Z2B017	
Sand blast	CL201Z4D002	CL201Z4D004	
Stainless steel			CL201S4B002

Note: The part number above is not including the accessory

CL201-1



CL201-1A



CL201-1

Specification

Material: Zinc alloy hinge steel pin and accessory

Performance details:
Maximum static load when select pipe type accessories

Radial load: 500N
Axial load: 1500N

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

CL201-3



Specification

Material: Zinc alloy hinges, steel pin and accessory

Performance details:
Maximum static load

Radial load: 300N
Axial load: 700N

CL201-2

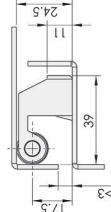
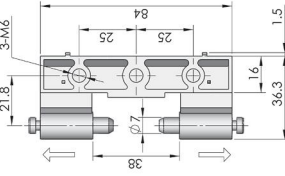


Specification

Material: Zinc alloy hinges, steel pin and accessory

Performance details:
Maximum static load

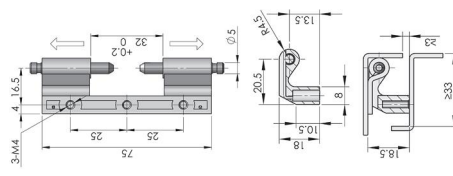
Radial load: 360N
Axial load: 460N



Remark: $\geq$ size is 3.7, door's open angle is 90°

Specification	Black painting	Nanometer	Sand blast
ERP	CL201Z2A011	CL201Z2B008	CL201Z4D009

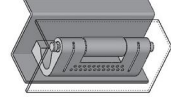
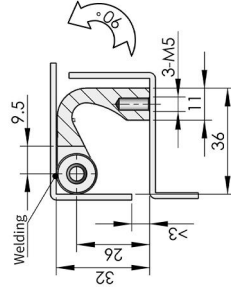
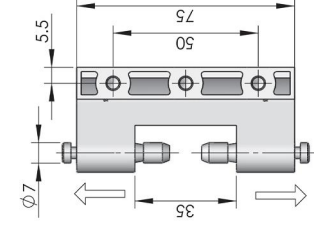
Note: The part number above is not including the accessory



Remark: $\geq$ 3 size is bigger, door's open angel is bigger

Specification	Black painting	Nanometer	Sand blast
ERP	CL201Z2A006	CL201Z2B004	CL201Z4D007

Note: The part number above is not including the accessory

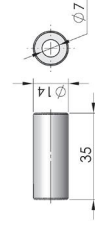


Specification

Material: Zinc alloy hinge, steel pin and accessory

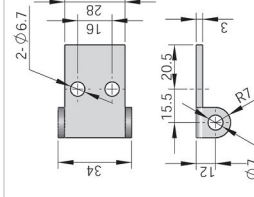
Performance details:
Maximum static load

Radial load: 640N
Axial load: 900N



Pipe shape accessory

ERP: 3452011001 (Zinc plated steel)



U shape accessory

ERP: 3452011013 (Zinc plated steel)

Remark: $\geq$ size is 2.8, door's open angle is 90°

Specification	Black painting	Nanometer	Sand blast
ERP	CL201Z2A015	CL201Z2B009	CL201Z4D012

Note: The part number above is not including the accessory.

CL201-6



Specification

Material: Zinc alloy hinge, steel pin and accessory

Application: Max opening angle 90°

Performance details:
Maximum static load

Radial load: 900N

Axial load: 960N

CL201-9



Specification

Material: Zinc alloy hinge, steel shaft

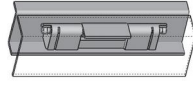
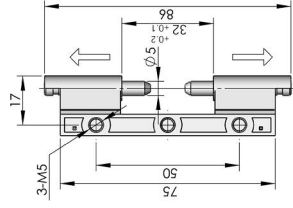
Finish: Sand blast

Application: Max opening angle 120°

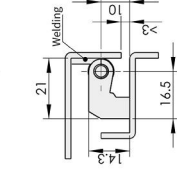
Performance details:
Maximum static load

Radial load: 500N

Axial load: 800N



Accessory
ERP: 3452016002 (Zinc plated steel)



Remark: ≥ size is 2.7, door's open angle is 90 degree

Specification

ERP

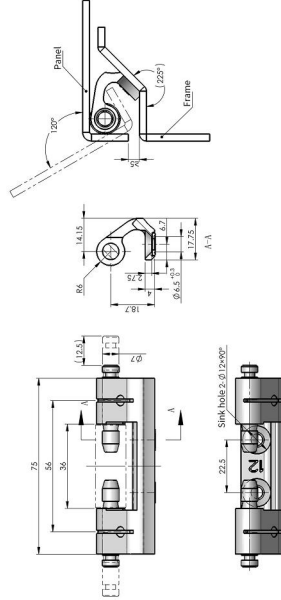
Nanometer

CL201Z2B001

Sand blast

CL201Z4D021

Note: The part number above is not including the accessory



Specification

ERP

With washer

CL201Z4D064

Without washer

CL201Z4D067

CL202-1



Specification

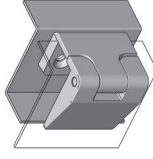
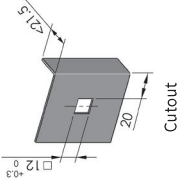
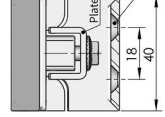
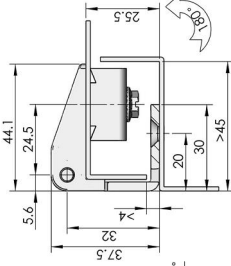
Material: Zinc alloy door part, steel frame part, bracket pin

Application: Max opening angle 180°

Performance details:
Maximum static load

Radial load: 280N

Axial load: 390N



Specification

ERP

Black powder coated

CL202Z1A001

Nanometer

CL202Z2B001

CL203-2B



Specification

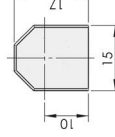
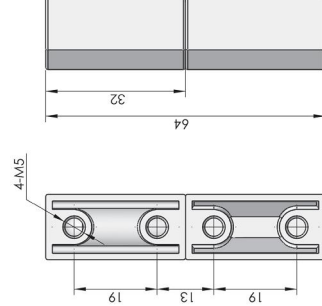
Material: Zinc alloy hinge

Application: Max opening angle 180°

Performance details:
Maximum static load

Radial load: 600N

Axial load: 1500N



Specification

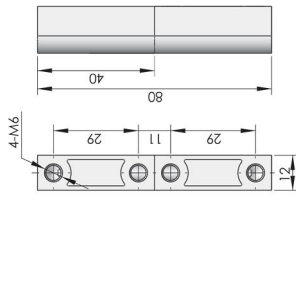
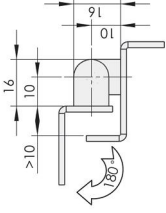
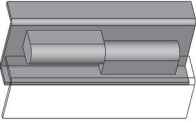
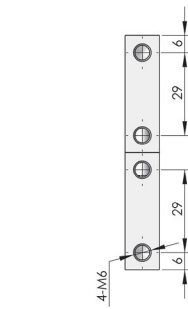
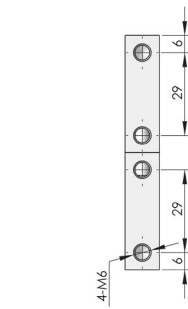
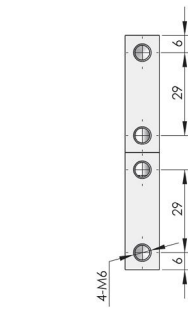
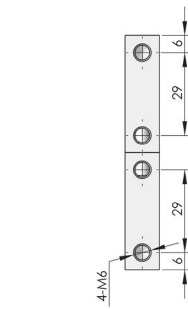
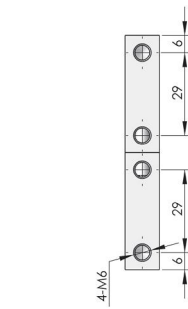
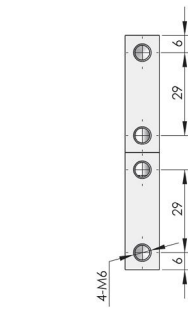
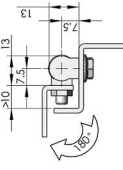
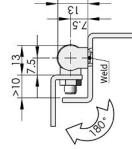
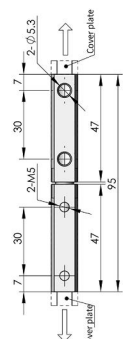
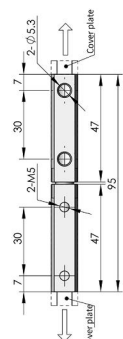
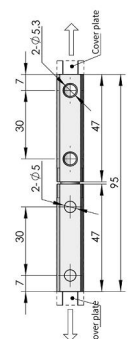
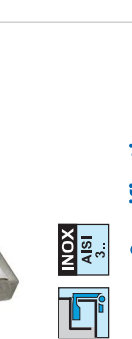
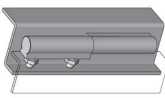
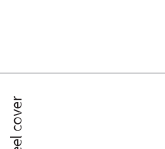
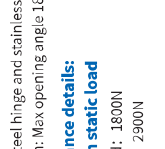
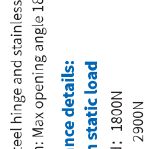
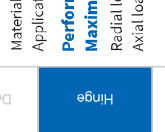
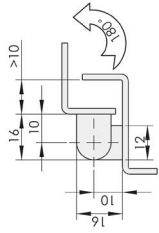
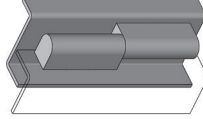
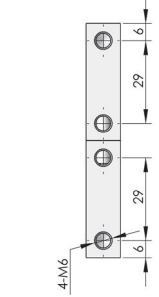
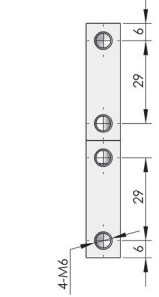
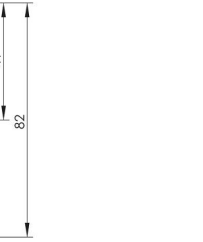
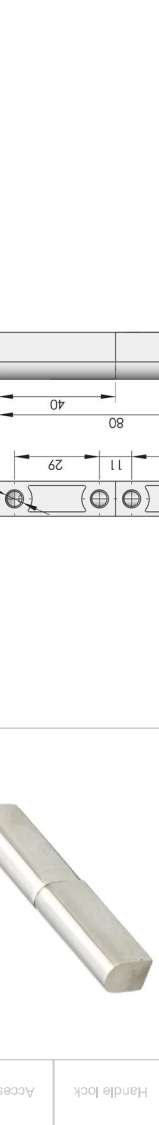
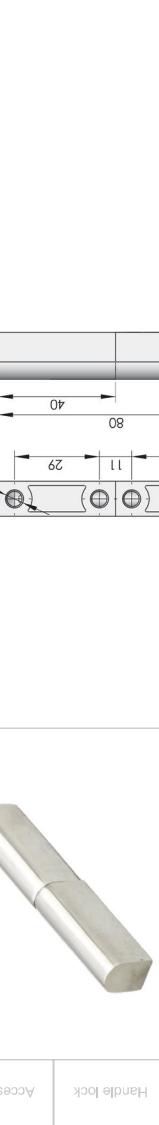
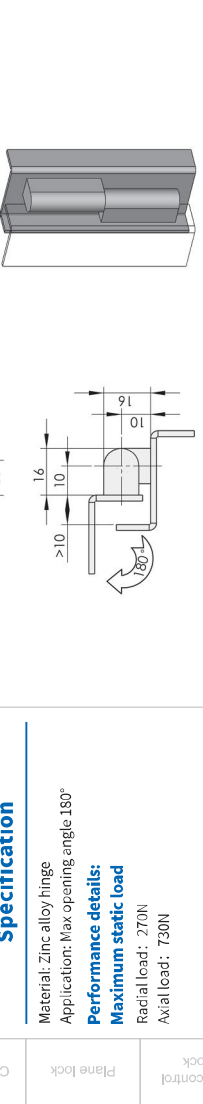
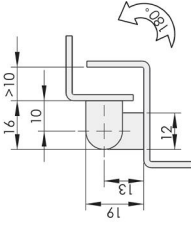
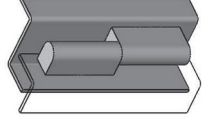
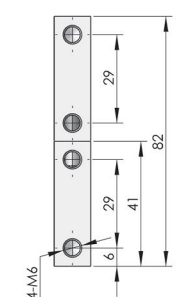
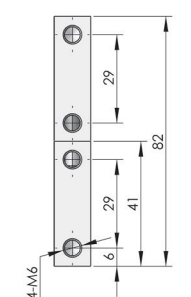
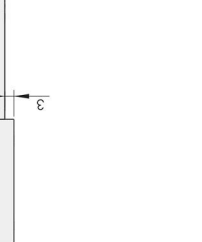
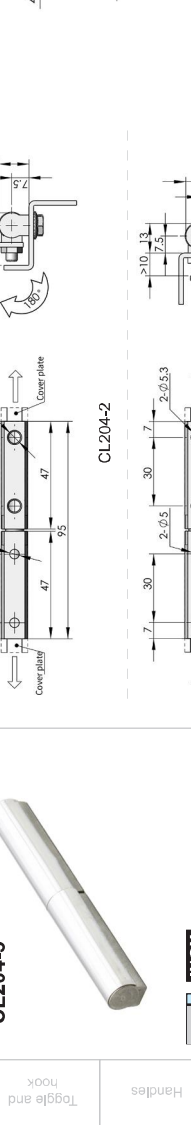
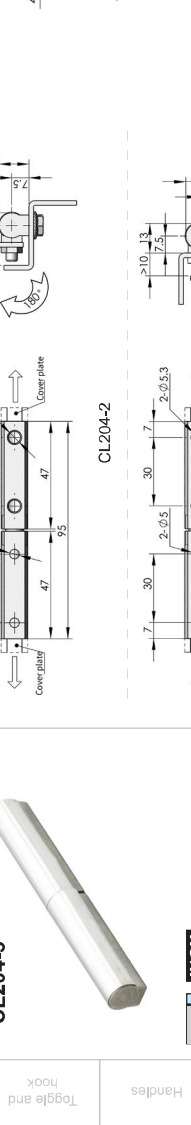
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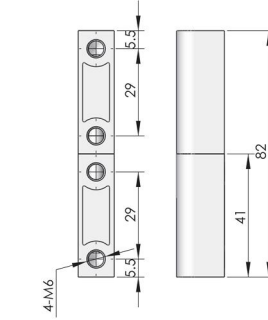
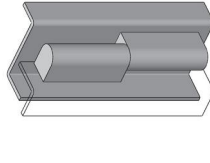
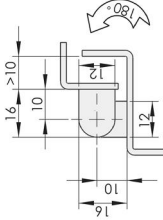
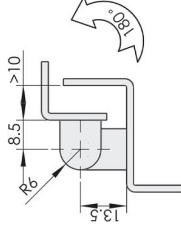
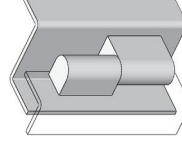
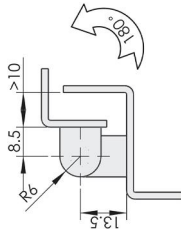
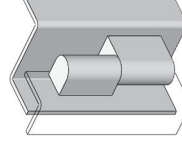
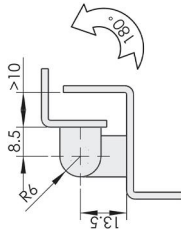
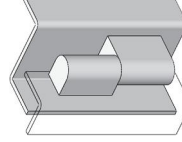
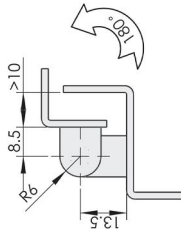
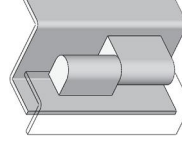
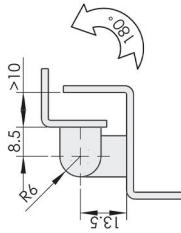
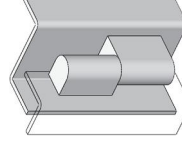
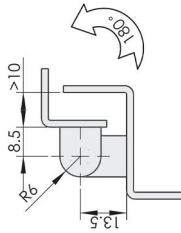
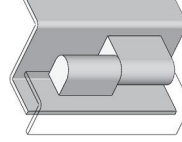
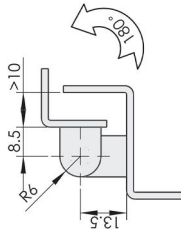
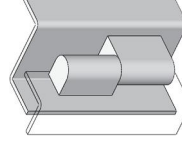
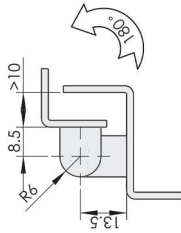
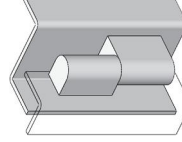
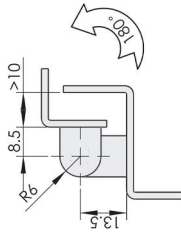
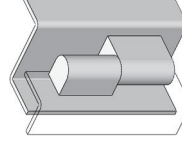
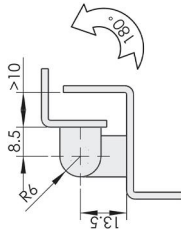
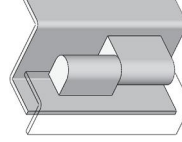
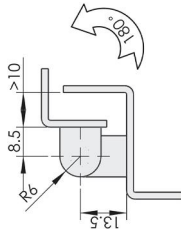
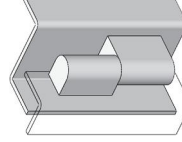
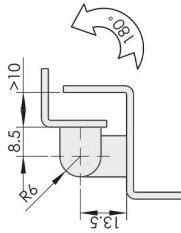
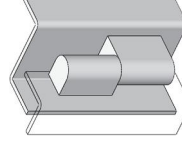
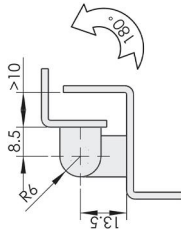
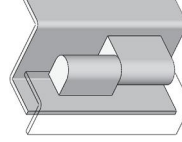
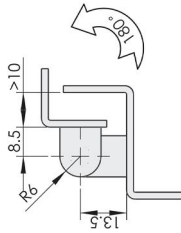
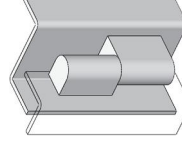
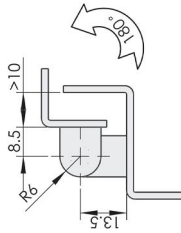
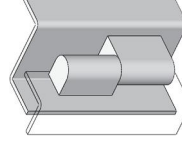
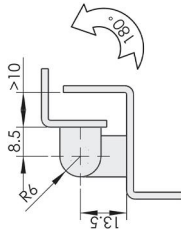
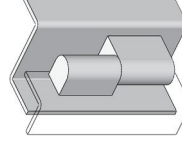
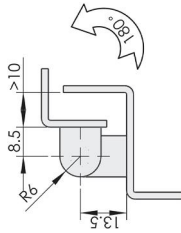
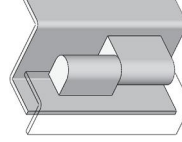
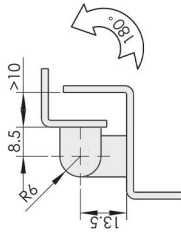
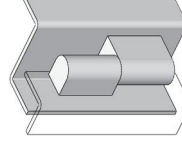
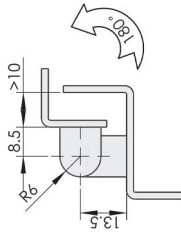
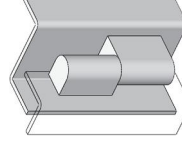
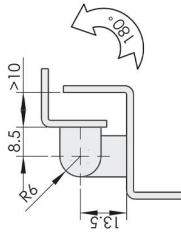
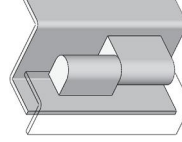
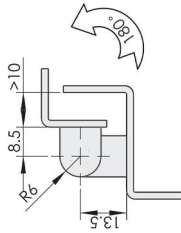
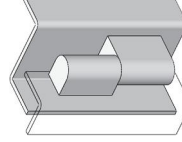
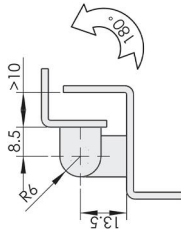
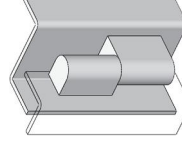
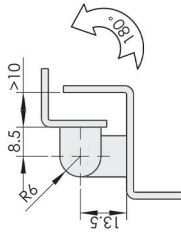
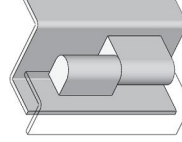
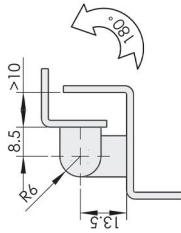
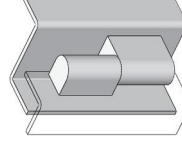
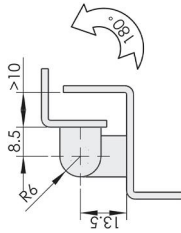
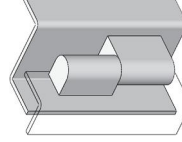
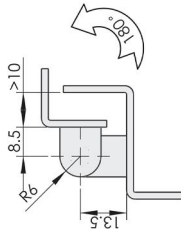
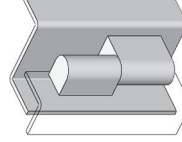
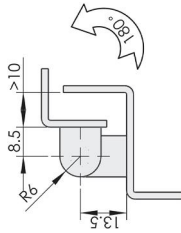
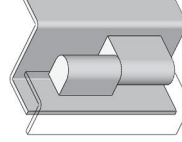
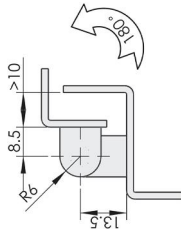
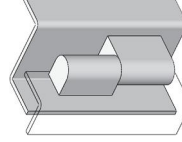
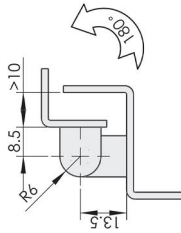
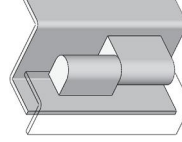
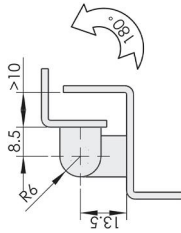
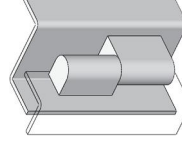
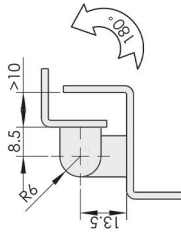
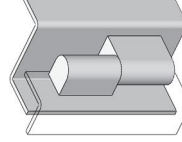
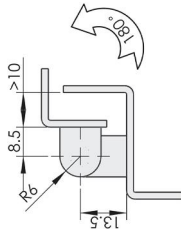
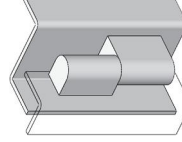
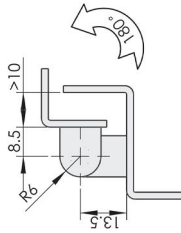
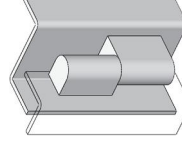
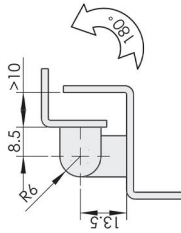
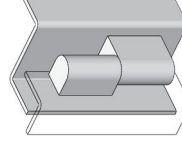
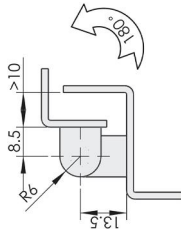
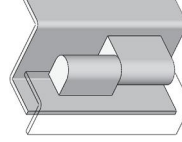
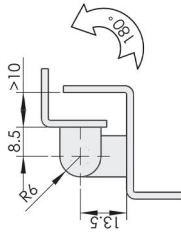
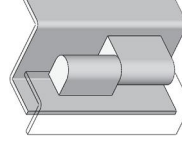
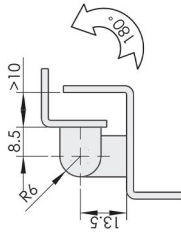
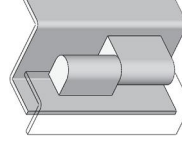
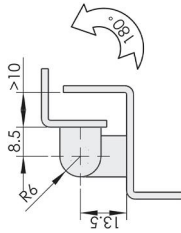
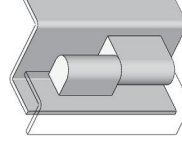
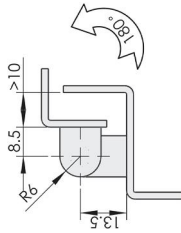
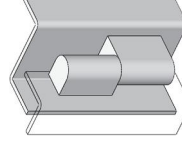
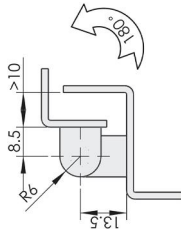
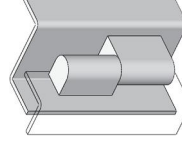
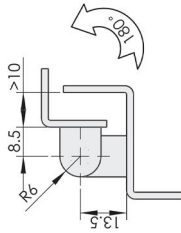
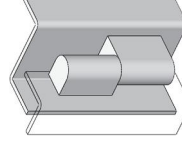
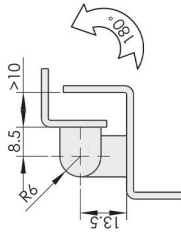
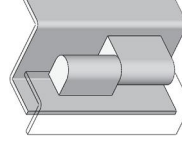
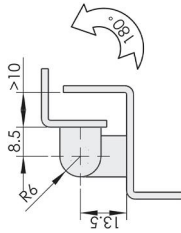
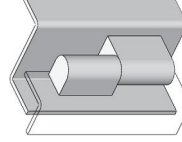
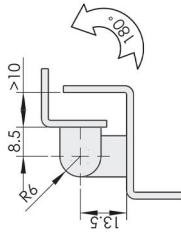
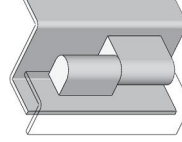
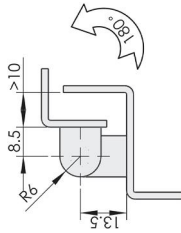
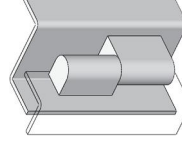
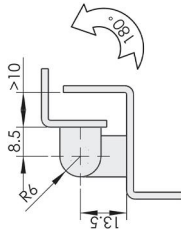
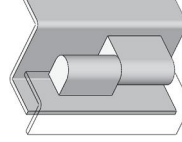
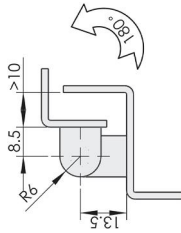
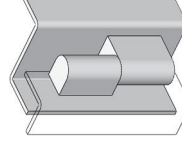
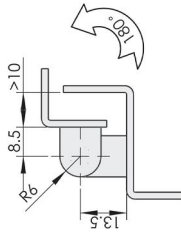
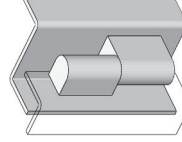
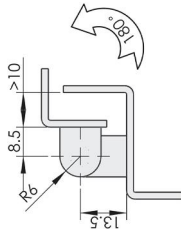
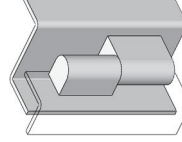
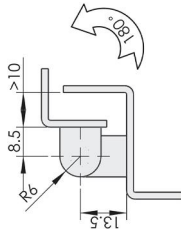
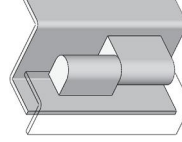
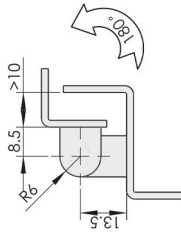
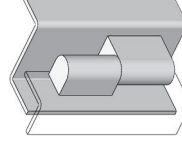
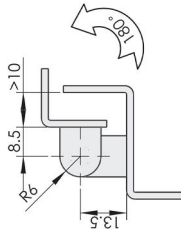
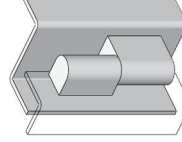
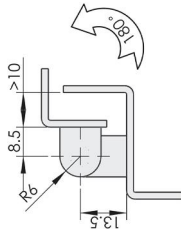
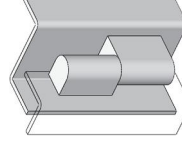
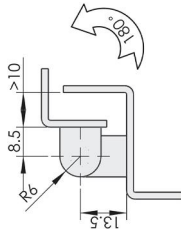
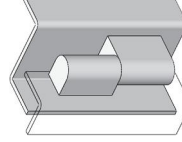
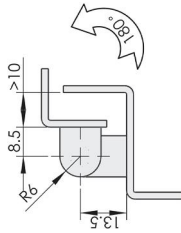
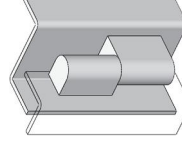
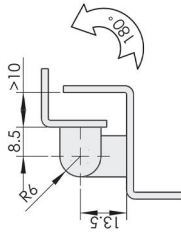
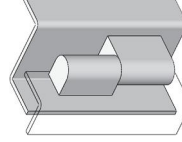
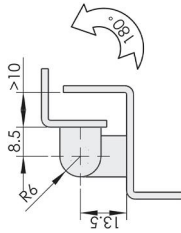
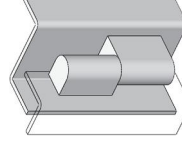
Black powder coated

CL203Z1A007

Bright chrome

CL203Z3A005

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket	
CL204-1   Specification Material: Zinc alloy hinge Application: Max opening angle 180° Performance details: Maximum static load Radial load: 270N Axial load: 730N			  			  			  		
CL204-2   Specification Material: Steel hinge and stainless steel cover Application: Max opening angle 180° Performance details: Maximum static load Radial load: 1800N Axial load: 2900N			  			  			  		
CL204-3   Specification Material: Stainless steel Finish: Mirror polishing Application: Max opening angle 180° Performance details: Maximum static load Radial load: 1800N Axial load: 2900N			  			  			 		
CL204-3A   Specification Material: Stainless steel Finish: Mirror polishing Application: Max opening angle 180° Performance details: Maximum static load Radial load: 1800N Axial load: 2900N			  			  			 		
CL204-3B   Specification Material: Stainless steel Finish: Mirror polishing Application: Max opening angle 180° Performance details: Maximum static load Radial load: 1785N Axial load: 2300N			  			  			 		

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket									
CL204-3C   Specification Material: Zinc alloy Finish: Bright chrome plated Application: Max opening angle 180° Performance details: Maximum static load Radial load: 1000N Axial load: 1800N					CL204-3D   Specification Material: Zinc alloy Finish: Bright chrome plated Application: Max opening angle 180° Performance details: Maximum static load Radial load: 2150N Axial load: 2630N					CL204-3F   Specification Material: Zinc alloy Finish: Bright chrome plated Application: Max opening angle 180° Performance details: Maximum static load Radial load: 1500N Axial load: 2000N					CL204-3K   Specification Material: Stainless steel Finish: Mirror polishing Application: Max opening angle 180° Performance details: Maximum static load Radial load: 2000N Axial load: 1530N				
                                                                                                                     																			

CL204-3S



Specification

Material: SUS304
Finish: Draw polishing
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 1700N
Axial load: 2200N

CL204-4D



Specification

Material: Zinc alloy
Finish: Bright chrome plated
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 1500N
Axial load: 2000N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL204-7



Specification

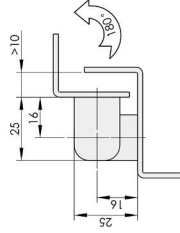
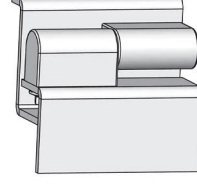
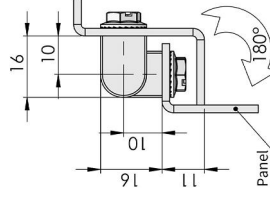
Material: Stainless steel 304
Finish: Mirror polishing
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 1500N
Axial load: 2000N

CL205-1

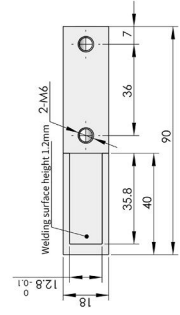


Specification

Material: Zinc alloy
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 917N
Axial load: 710N



CL204-3S-2



CL204-3S-1

ERP

CL204S4A020

CL204-3S-2

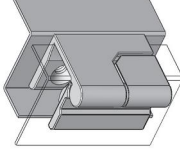
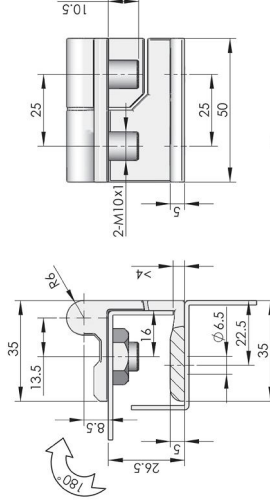
CL204S4B003

Part number

ERP

CL204-3S-1

CL204S4B002



Specification	Part number	ERP
Left hinge	CL205-1-Z	Black powder coated
Right hinge	CL205-1-Y	Black powder coated
		CL205Z1B001
		CL205Z1B002

ERP

CL204Z3A013

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL205-2



CL205-2-Z

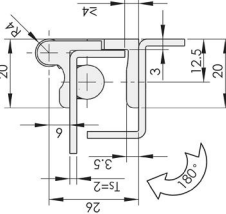


CL205-2-Y

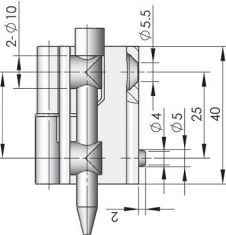


Specification

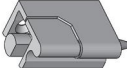
Material: Zinc alloy hinge and bushing ,PA shaft
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load : 245N
Axial load : 305N



20
6
15=2
26
3.5
2
24
3
12.5
20
180°



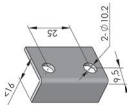
25
2
2-Ø10
Ø5.5
Ø4
Ø5
25
40



RH



LH



Door cut out
2-Ø10.2
180°

Specification	Part number	ERP
Left hinge	CL205-2-Z	Bright chrome CL205Z3A001
	CL205-2-Y	Pocket black powder coated CL205Z1B003
Right hinge	CL205Z3A002	Black powder coated CL205Z1B004

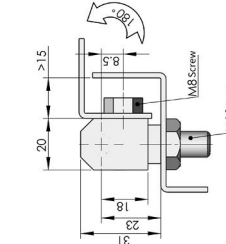
CL206-1



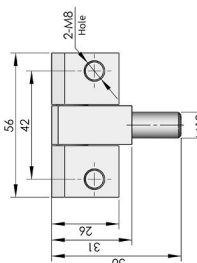


Specification

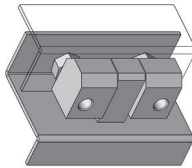
Material: Steel hinge and gasket
Finish: Bright chrome plated
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load : 2500N
Axial load : 1785N



20
15
23
31
18
8
M8 Screw
M10 Screw
180°



56
42
26
31
50
M10 Hole



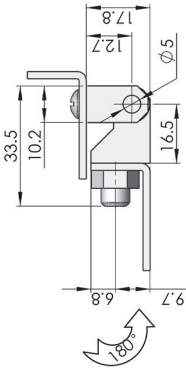
CL206-2



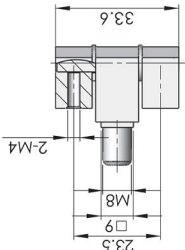


Specification

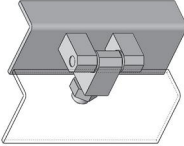
Material: Zinc alloy hinges,steel pin
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load : 1200N
Axial load : 1000N



33.5
10.2
17.8
12.7
Ø5
16.5
9.7
6.8
180°



33.6
2-M4
M8
9
23.5



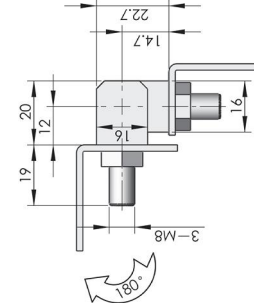
CL206-3



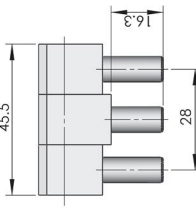


Specification

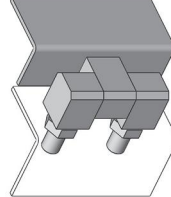
Material: Steel hinge and gasket
Finish: Bright chrome plated
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load : 2000N
Axial load : 1500N



19
20
12
16
3-M8
14.7
22.7
180°



45.5
16.3
28



Specification	ERP	Pocket black powder coated	Black painted	Bright chrome plated
Left hinge	CL206F3A001	CL206F1B001	CL206F2A001	CL206F3A008

CL206-3B



Specification

Material: Zinc alloy
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 2000N
Axial load: 1520N
Screw tightening torque: 50N.m

CL206-12



Specification

Material: SUS316 stainless steel
Finish: Draw polishing
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 1500N
Axial load: 2000N

CL206-4



Specification

Material: Zinc alloy hinge steel pin
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 1200N
Axial load: 1000N

CL208



Specification

Material: Zinc alloy hinge steel bracket and screws
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 740N
Axial load: 520N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

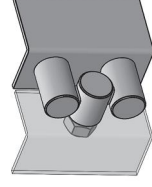
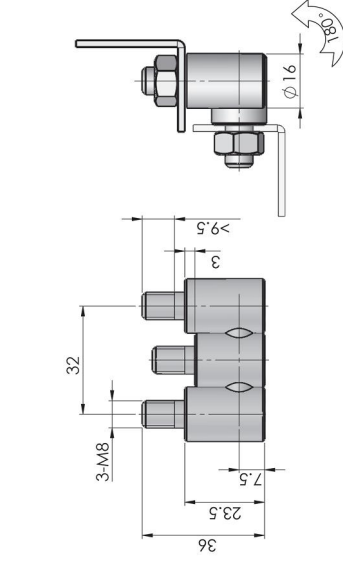
Toggle and hook

Handles

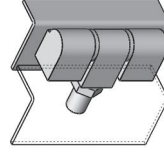
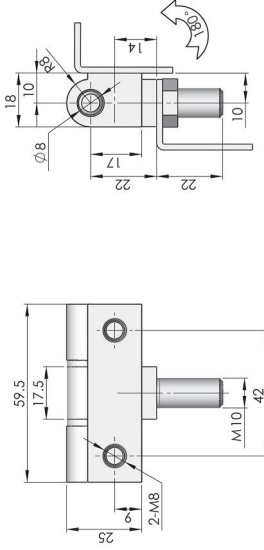
Door stop

Hinge

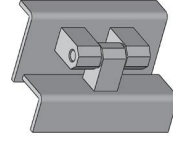
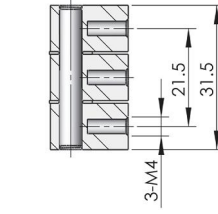
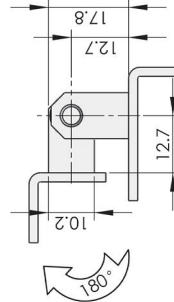
Seal gasket



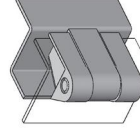
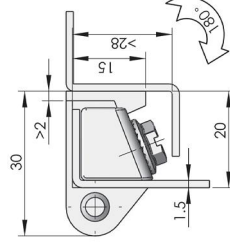
ERP CL206S4B002



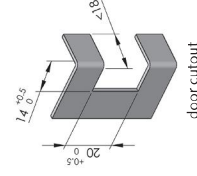
Specification ERP Black painted CL206Z2A002 Bright chrome CL206Z3A011



Specification ERP Black powder coated CL206Z1A003 Bright chrome CL206Z3A012



Specification ERP Black powder coated CL208Z1A001 Nanometer CL208Z2B001 Bright chrome CL208Z3A001



CL209-1C



Specification

Material: Zinc alloy hinge, SUS304 shaft and screws
 Finish: Nanometer
 Application: Max opening angle 180°
Performance details:
Maximum static load
 Radial load: 1800N
 Axial load: 1350N
 Screw tightening torque: 9N.m

CL209-1

CL209-2



Specification

Material: Zinc alloy hinge, steel pin
 Application: Max opening angle 180°
Performance details:
Maximum static load
 Radial load: 1500N
 Axial load: 1800N
 Screw Tightening torque: 10N.m

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL209-1X



Specification

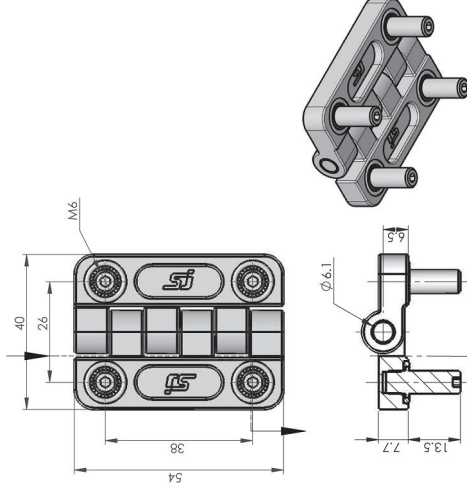
Material: Zinc alloy hinge, steel pin
 Application: Max opening angle 150° with water proof Function
Performance details:
Maximum static load
 Radial load: 1500N
 Axial load: 1800N
 Screw tightening torque: 10N.m

CL209-4-2

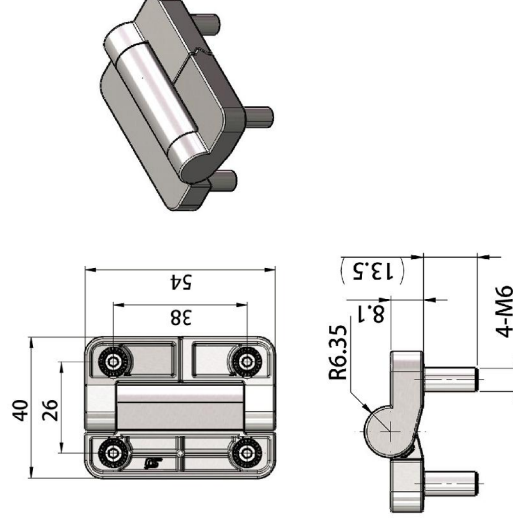


Specification

Material: Zinc alloy hinge, SUS304 screws
 Finish: Black painted
 Application: Max opening angle 180°
Performance details:
Maximum static load
 Radial load: 1000N
 Axial load: 400N
 Torque: 2.6±20%N.m

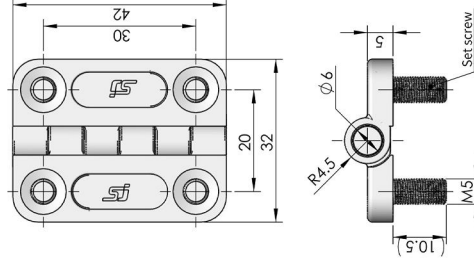


Specification	Black painted	Nanometer	Poiled black painted	Bright chrome
ERP	CL209Z2B013	CL209Z2B014	CL209Z2C001	CL209Z3A015

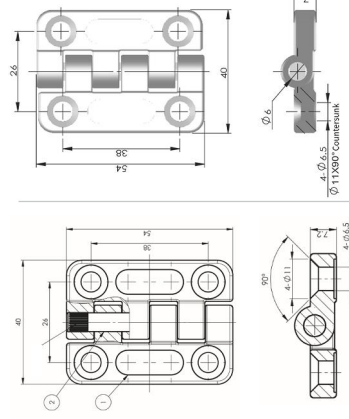


CL209Z1A029

ERP



ERP CL209Z2B004



CL209-1 (Screw embedded)

CL209-2 (Countersunk)

Specification	Screw embedded		Countersunk	
	Model	ERP	Model	ERP
Bright chrome	CL209-1	CL209Z3A001	CL209-2	CL209Z3A002
Black powder coated	CL209-1	CL209Z1A001	CL209-2	CL209Z1A015
Poiled black painted	CL209-1	CL209Z1B001	CL209-2	CL209Z1B002
Nanometer	CL209-1	CL209Z2B001	CL209-2	CL209Z2B006



CL209-N

Specification

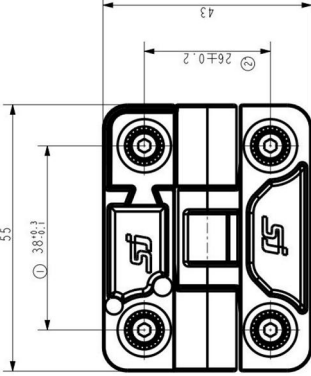
Material: Black paint
Service life: Continuous opening and closing of the door for 20,000 times
Salt spray: Exposed parts meet neutral salt spray 96 hours
IP protection level: IPX5

Performance details:
Maximum static load
Maximum static load:
Axial load capacity: ≤1800N
Radial load capacity: ≤1500N
Recommended screw tightening torque: 10N.m

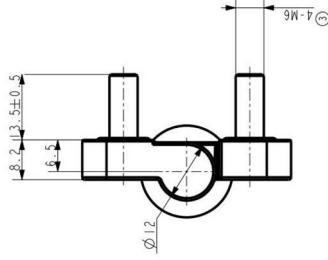


CL209-ZA005

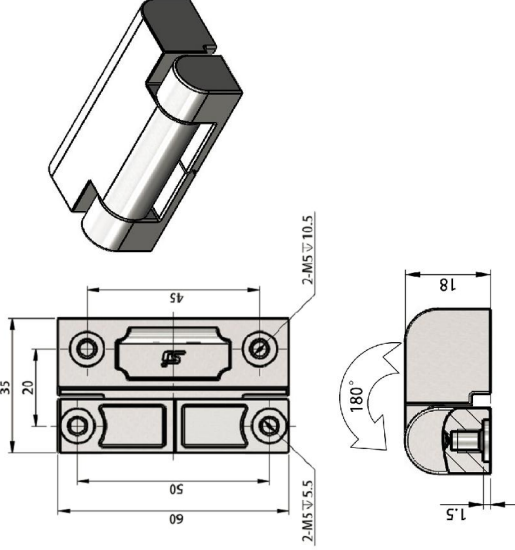
ERP



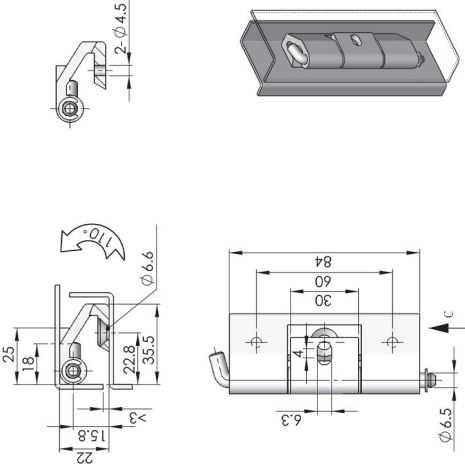
55
38±1
43
26±0.2
2



8.2
11.3
5±0.5
18.5
12
4-M6



35
20
45
50
60
2-M5±0.5
180°
18
1.5
2-M5±10.5



25
18
15.8
22
22.8
35.5
110°
2
4.5
6.6
84
60
30
4
6.3
6.5
6

ERP

CL219-ZA002

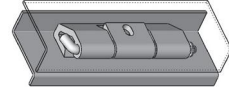


CL210

Specification

Material: Zinc alloy hinges, steel pin, PA gasket
Application: Max opening angle 110°

Performance details:
Maximum static load
Radial load: 720N
Axial load: 830N



CL210ZB001

Black powder coated

CL210ZIA001

Specification

ERP



CL219-4R-2

Specification

Material: Zinc alloy
Finish: Black painted
Application: Max opening angle 180°

Performance details:
Maximum static load
Radial load: 610N
Axial load: 820N
Torque: 2.6±20%N.m



CL210

Specification

Material: Zinc alloy hinges, steel pin, PA gasket
Application: Max opening angle 110°

Performance details:
Maximum static load
Radial load: 720N
Axial load: 830N

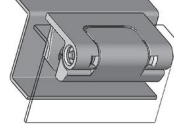
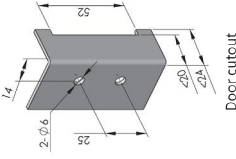
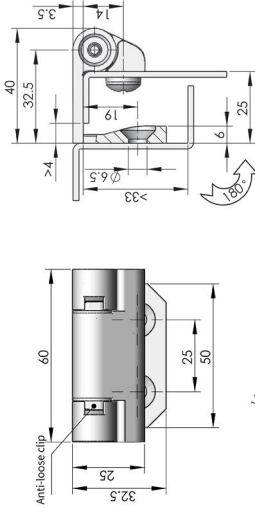
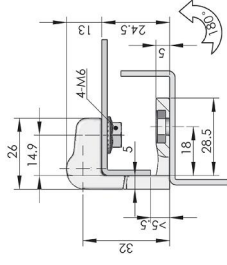
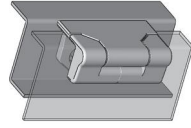
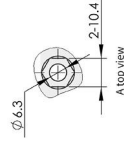
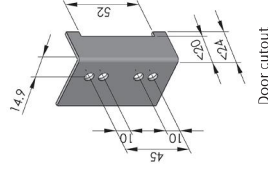
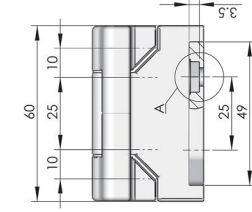
CL213-1



Specification

Material: Zinc alloy hinge, copper gasket, steel pin
Finish: Black powder coated hinge, black coating pin
Application: Max opening angle 180°

Performance details:
Maximum static load
 Radial load: 980N
 Axial load: 630N



ERP CL213Z1A001

Specification ERP Black powder coated Pocked black painted CL213Z1A004 CL213Z1B003

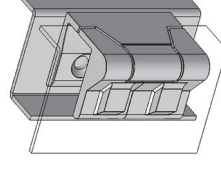
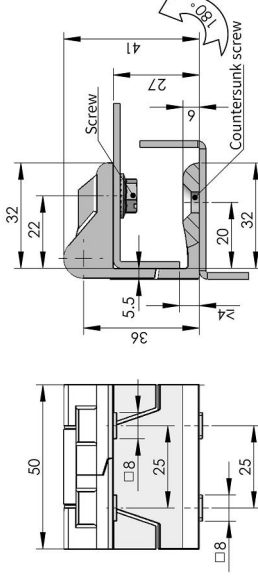
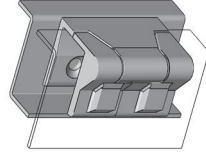
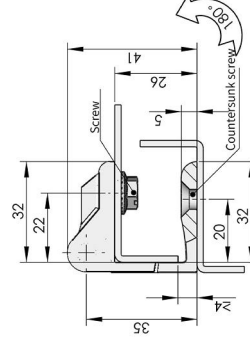
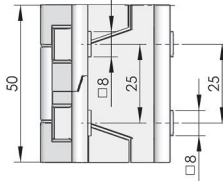
CL213-2



Specification

Material: Zinc alloy hinge, copper gasket, steel pin
Application: Max opening angle 180°

Performance details:
Maximum static load
 Radial load: 1030N
 Axial load: 575N



ERP CL213Z1A007

Specification ERP Black powder coated Pocked black painted CL213Z1A003 CL213Z1B002

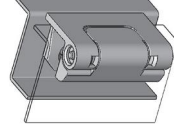
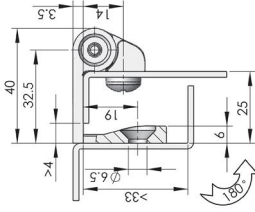
CL213-3



Specification

Material: Zinc alloy hinge, PA shaft
Application: Max opening angle 180°

Performance details:
Maximum static load
 Radial load: 670N
 Axial load: 255N



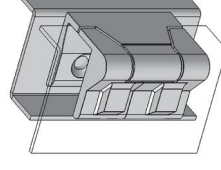
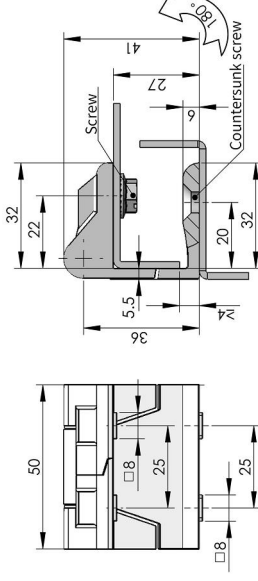
CL213-6



Specification

Material: Black powder coated hinge, nickel-plated pin
Finish: Black powder coated
Application: Max opening angle 180°

Performance details:
Maximum static load
 Radial load: 1225N
 Axial load: 775N



CL213-7



Specification

Material: Zinc alloy hinge
Finish: Powder coated
Application: Max opening angle 180°
Hinge type: Clip hinge

Performance details:
Maximum static load

Radial load: 680N
Axial load: 1225N

CL213-9



Specification

Material: Zinc alloy hinge, stainless steel pin
Finish: Orange-peel RAL7035 powder coated
Application: Max opening angle 180°

Performance details:
Maximum static load

Radial load: 320N
Axial load: 350N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL214



CL214-1

CL214-2



Specification

Material: Zinc alloy hinge, steel pin
Application: Max opening angle 180°

Performance details:
Maximum static load

Radial load: 1125N
Axial load: 1490N

CL215

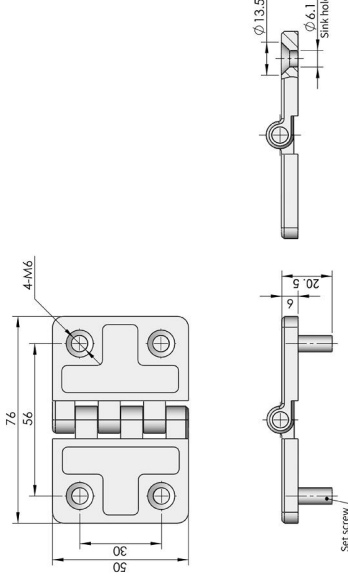


Specification

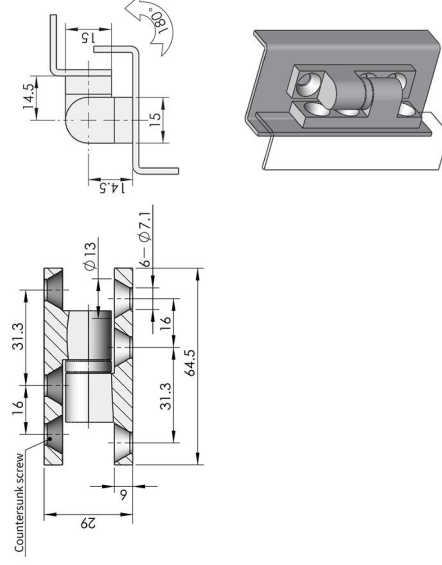
Material: Zinc alloy hinge, PA pin
Finish: Zinc plated
Application: Max opening angle 180°

Performance details:
Maximum static load

Radial load: 750N
Axial load: 850N



Specification	CL214-1 screw embedded	ERP	CL214-2 countersunk
Bright chrome	CL214Z3A001		CL214Z3A002
Black powder coated	CL214Z1A001		CL214Z1A003
Pocked black painted	CL214Z1B001		CL214Z1B002
Nanometer	CL214Z2B001		CL214Z2B002



ERP

CL215F3D001

ERP

CL213ZX007

CL219



Specification

Material: Zinc alloy hinge, steel pin
Finish: Black powder coated hinge, nickel-plated
Application: Max opening angle 180°

Performance details:

Maximum static load

Model : CL219-1
Radial load: 1000N Axial load: 1200N
Model : CL219-2
Radial load: 600N Axial load: 450N
Model: CL219-3
Radial load: 700N Axial load: 800N

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

Model	ERP	Specification												
		A	B	C	D	E	F	G	H	J	K	L	M	
CL219-1	CL219Z1A001	8	20	M5	35	45	60	50	18	Ø8	11	14	18	
CL219-2	CL219Z1A005	4	13	M4	22	22	30	22	13	Ø5	8	10	9	
CL219-3	CL219Z1A007	4	18.5	M4	27.5	22	30	22	13	Ø5	8	10	14.5	

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

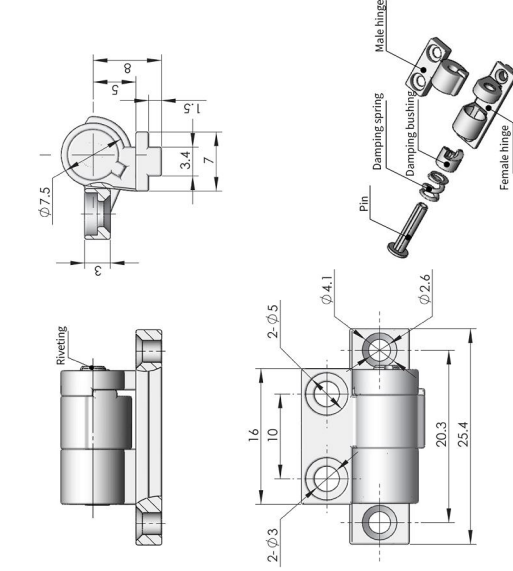
Handles

Door stop

Hinge

Seal gasket

CL220



ERP CL220Z3B001



Specification

Material: Zinc alloy hinge, steel pin
Finish: Nanometer hinge, nickel-plated pin

Performance details:

Maximum static load

Radial load: 290N
Axial load: 160N

CL220-8



New

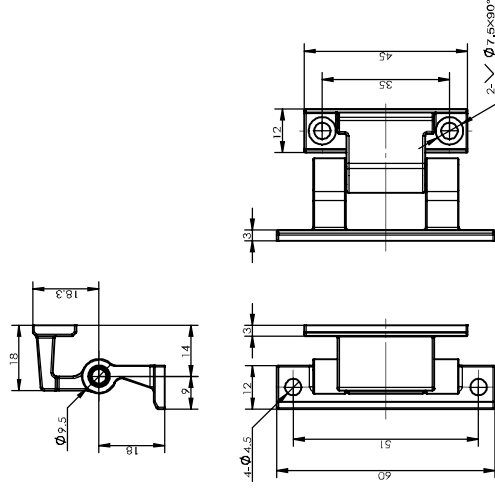
Specification

Material: Moving and fixed hinge leaves made of zinc alloy, shaft made of stainless steel
Surface Treatment: Moving and fixed hinge leaves with high salt spray resistance black paint, shaft passivation

Performance details:

Maximum static load

Axial Load Capacity: 600N
Radial Load Capacity: 500N



ERP CL220Z2A002

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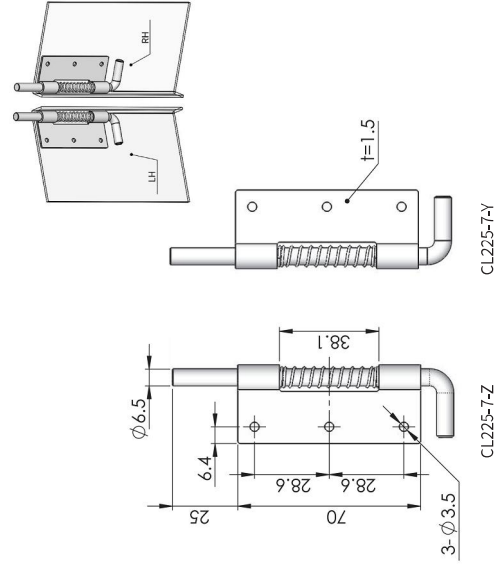
CL225-7



CL225-7-Y

Specification

Material: Steel
Finish: White zinc plated
Performance details:
Maximum static load
Radial load: 525N
Axial load: 125N



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

CL226-2A-N

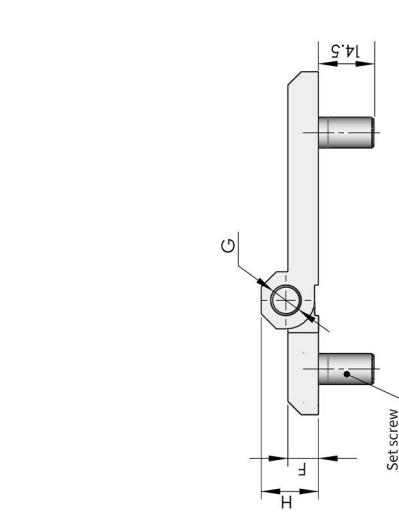


New

IP65

Specification

Material: Zinc alloy
Surface treatment: Black paint
Structure description: Can be opened at an angle of 180°
Performance details:
Maximum static load
Axial load capacity: 800N
Radial load capacity: 500N

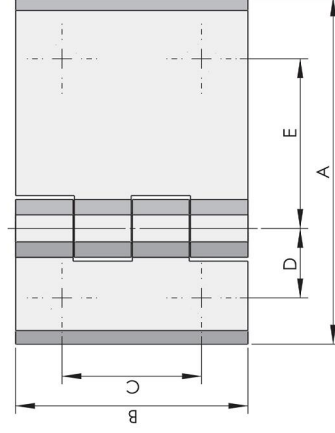


Specification

Material: Zinc alloy hinge, steel pin
Finish: Black powder coated hinge, nickel plated pin
Application: Max opening angle 150°

Performance details:
Maximum static load

Radial load: 1120N
Axial load: 1200N
Screw Tightening torque: 12Nm



Model	ERP	Specification								Remarks
		A	B	C	D	E	F	G	H	
CL226-4-1	CL226Z1A019	90	60	36	18	44	8	8	15	Ø8.4 Countersunk hole zinc alloy
CL226-4A-1	CL226Z1A020	90	60	36	18	44	8	8	15	MS Screw embedded zinc alloy
CL226-4-2	CL226Z1A021	63	50	30	15	28	6	6	11.5	Ø6.3 Countersunk hole zinc alloy
CL226-4A-2	CL226Z1A022	63	50	30	15	28	6	6	11.5	MS Screw embedded zinc alloy

ERP CL226Z2A017

CL226



CL226-1



CL226-2



CL226-3



CL226-2A



Specification

Material: Zinc alloy hinge steel pin
 Finish: Black powder coated hinge, nickel plated pin
 Application: Max opening angle 180°
Performance details:
Maximum static load
 Model: CL226-1 Radial load: 1800N
 Model: CL226-2 Radial load: 1300N
 Model: CL226-3 Radial load: 1200N
 Model: CL226-2A Radial load: 1300N
 Axial load: 1200N Radial load: 1300N
 Screw Tightening torque: 10N.m

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL226-4X



Specification

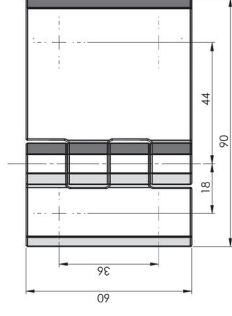
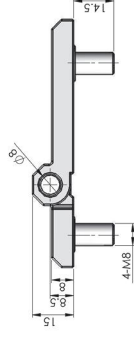
Material: Zinc alloy hinge steel pin
 Finish: Black powder coated hinge, nickel plated pin
 Application: Max opening angle 180°
 Add sealing gasket, increase waterproof function
Performance details:
Maximum static load
 Radial load: 1120N
 Axial load: 1200N
 Screw Tightening torque: 12N.m

CL226-5A

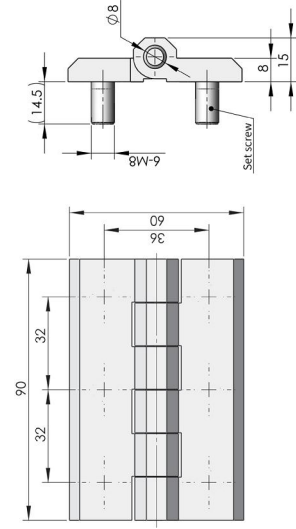
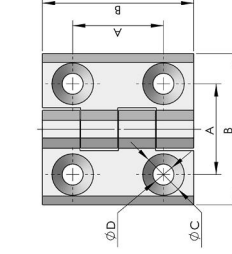
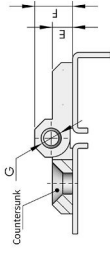
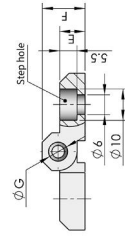
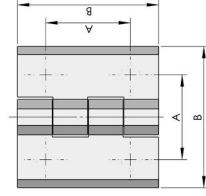
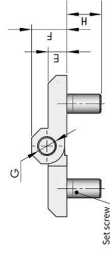


Specification

Material: Zinc alloy hinge steel pin
 Finish: Black powder coated hinge, nickel plated pin
 Application: Max opening angle 180°
Performance details:
Maximum static load
 Radial load: 1120N
 Axial load: 1200N
 Screw Tightening torque: 12N.m



Specification	Black painted	Nanometer	Poiled black painted
ERP	CL226Z2A010	CL226Z2B026	CL226Z2C002



Model	CL226-5A-Z LH	CL226-5A-Y RH
ERP	CL226Z1A024	CL226Z1A025

Part number	ERP	Specification								Remarks
		A	B	C	D	E	F	G	H	
CL226-1	CL226Z1A001	36	60	16.5	8.4	8	15	8	14.5	Countersunk hole zinc alloy
CL226-1A	CL226Z1A006	36	60	16.5	8.4	8	15	8	14.5	M8 Screw embedded zinc alloy
CL226-1B	CL226S9C001	36	60	16.5	8.4	8	15	8	14.5	Countersunk hole stainless steel
CL226-2	CL226Z1A009	30	50	12.5	6.3	6	11.5	6	14.5	Countersunk hole zinc alloy
CL226-2A	CL226Z1A010	30	50	Refer to detailed drawing	6	11.5	6	14.5	14.5	M6 Screw embedded zinc alloy
CL226-2S	CL226N00001	30	50	12.5	6.3	6	11.5	6	14.5	Countersunk hole zinc alloy
CL226-2B	CL226S4B001	30	50	12.5	6.3	6	11.5	6	14.5	Countersunk hole stainless steel
CL226-3	CL226Z1A015	25	40	10.2	5.3	5	9	4	12.5	Countersunk hole zinc alloy
CL226-3A	CL226Z1A017	25	40	10.2	5.3	5	9	4	12.5	M5 Screw embedded zinc alloy

CL226-5X



Specification

Material: Zinc alloy hinge, steel pin
Finish: Black powder coated hinge, nickel-plated
Application: Max opening angle 180°
Add: sealing gasket, increase water proof function

Performance details:

Maximum static load
 Radial load: 1120N
 Axial load: 1200N
 Screw Tightening torque: 12N.m

CL226-6A



Specification

Material: Zinc alloy hinge, steel pin
Finish: Black powder coated hinge, nickel-plated
Application: Max opening angle 180°

Performance details:

Maximum static load
 Radial load: 520N
 Axial load: 210N
 Screw Tightening torque: 9N.m

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL226-7
CL226-7A



Specification

Material: Zinc alloy hinge, steel pin
Finish: Black powder coated hinge, nickel-plated
Application: Max opening angle 180°

Performance details:

Maximum static load
 Radial load: 1120N
 Axial load: 1200N
 Screw Tightening torque: 12N.m

CL226-8

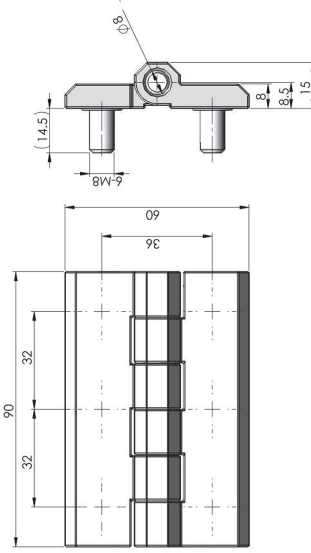
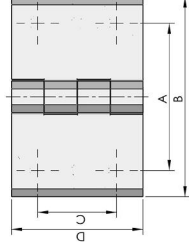
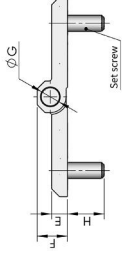


Specification

Material: Steel hinge and pin
Finish: Nanometer
Application: Max opening angle 180°

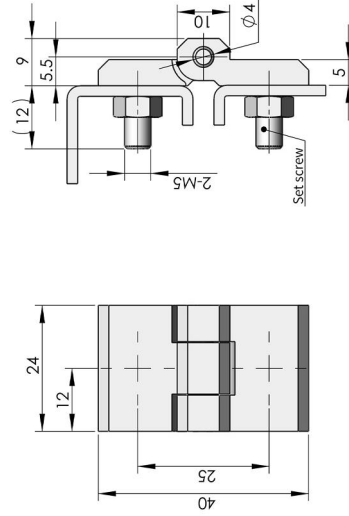
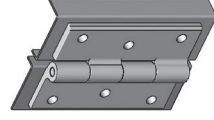
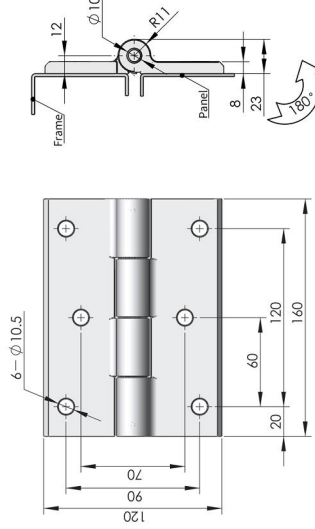
Performance details:

Maximum static load
 Radial load: 3000N
 Axial load: 3000N



Model	ERP	Specification								Remark
		A	B	C	D	E	F	G	H	
CL226-7-1	CL226Z1A028	56	76	30	50	6	11.5	6		Ø6.2 Countersink hole zinc alloy
CL226-7A-1	CL226Z1A029	56	76	30	50	6	11.5	6	14.5	M6 Screw embedded zinc alloy
CL226-7-2	CL226Z1A034	88	120	36	60	8	15	8		Ø6.2 Countersink hole zinc alloy
CL226-7A-2	CL226Z1A030	88	120	36	60	8	15	8	14.5	M6 Screw embedded zinc alloy

Specification	Model	ERP	Model	ERP
Black painted	CL226-5X-Y	CL226Z2A011	CL226-5X-Z	CL226Z2A012
Nanometer	CL226-5X-Y	CL226Z2B027	CL226-5X-Z	CL226Z2B028
Packed black painted	CL226-5X-Y	CL226Z2C003	CL226-5X-Z	CL226Z2A013
Bright chrome			CL226-5X-Z	



ERP

CL226Z1A026

ERP

CL226F2B001

CL229-2A
CL229-2B



Specification

Material: Stainless steel
Finish: Electropolished
Application: Max opening angle 90°
Performance details:
Maximum static load
Radial load: 425N
Axial load: 225N

CL230-3



Specification

Material: Zinc alloy hinge, steel pin
Finish: Black powder coated hinge, nickel-plated
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 940N
Axial load: 720N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL230



Specification

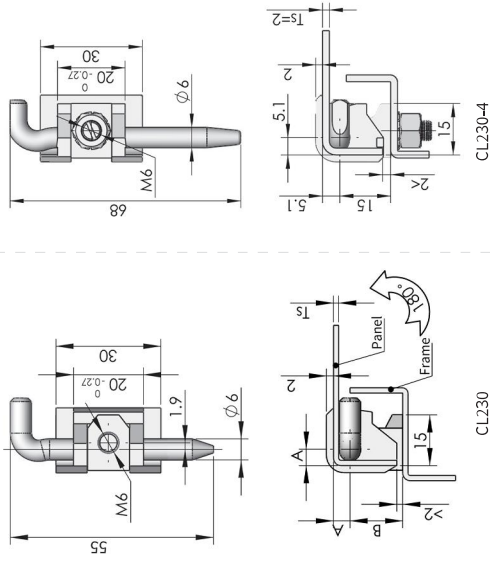
Material: Zinc alloy hinge, steel pin
Finish: Black powder coated hinge
Application: Max opening angle 180°
Performance details:
Maximum static load
Model: CL230-1
Radial load: 940N Axial load: 720N

CL230-4



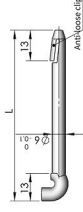
Specification

Material: Stainless steel
Finish: Draw polishing
Application: Max opening angle 180°
Performance details:
Maximum static load
Radial load: 900N
Axial load: 700N



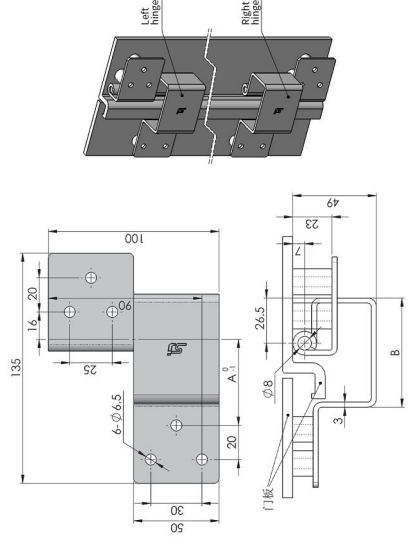
ERP CL230S4B001

Nylon pin (Optional)

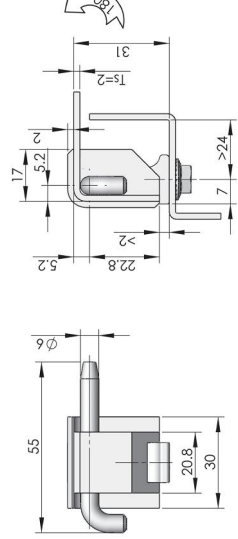
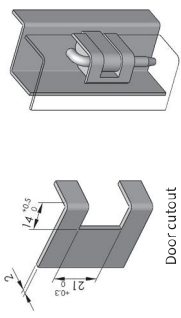


Part No.	L
PN001	57
PN002	78

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



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



Remark: Nylon pin optional, details refer to CL230

ERP CL230Z1A026

CL230-3-1D



Specification

Material: Bright chrome plated zinc alloy hinge and steel pin
Application: Max opening angle 180°

Performance details:
Maximum static load

Radial load: 940N
Axial load: 720N

CL231



Specification

Material: Zinc alloy hinge, steel pin, brass gasket
Finish: Bright chrome plated hinge, nickel plated pin

Application: Max opening angle 180°

Performance details:
Maximum static load

Model: CL231-1
Radial load: 330N Axial load: 760N
Model: CL231-2
Radial load: 575N Axial load: 125N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL232



Specification

Material: Zinc alloy frame part, steel door part, pin
Finish: Sand-spraying and bright chrome plated frame part, zinc plated door part, nickel plated pin

Application: Max opening angle 120°

Performance details:
Maximum static load

Radial load: 420N
Axial load: 1050N

CL233



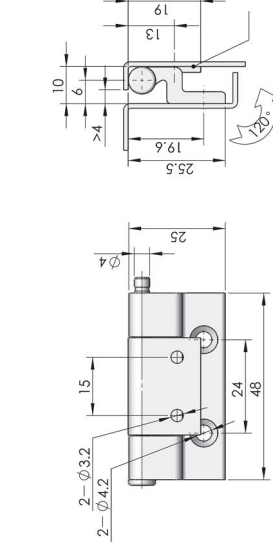
Specification

Material: Stainless steel hinge and pin
Finish: Electropolished

Application: Max opening angle 180°

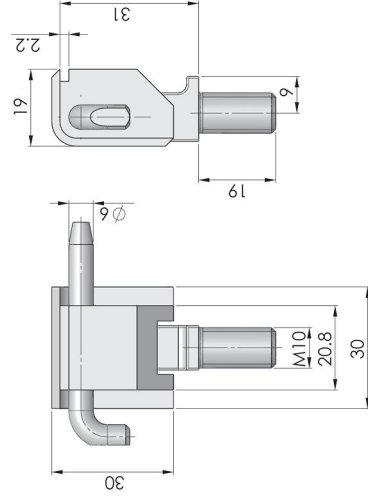
Performance details:
Maximum static load

Radial load: 3000N
Axial load: 3000N



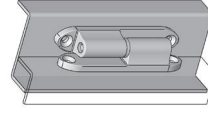
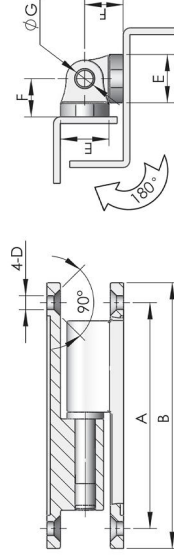
ERP

CL232Z3H001



ERP

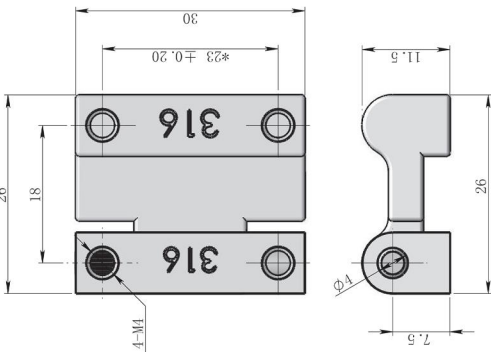
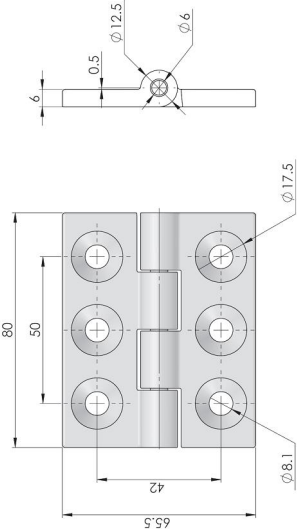
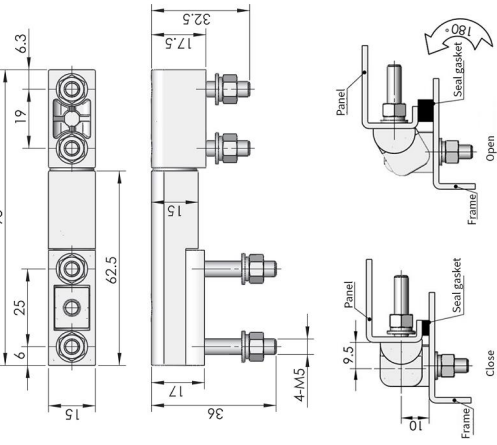
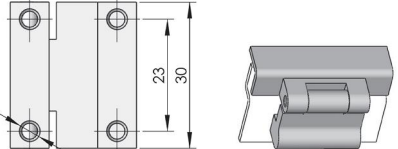
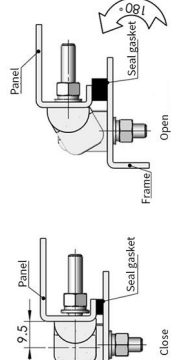
CL230Z3A019



Model	ERP	Specification						
		A	B	C	D	E	F	G
CL231-1	CL231Z3A001	68	80	Ø8	Ø4.2	14.5	11.5	Ø6
CL231-2	CL231Z3A004	48	60	Ø9.4	Ø4.5	13	9.5	Ø5

ERP

CL233S9C001

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
CL233-2  Specification Material: Zinc alloy hinge, steel pin Finish: Black powder coated Application: Max rotate angle 120° Performance details: Maximum static load Radial load: 1000N Axial load: 1200N  CL234S00001 ERP  CL233Z1A001 ERP CL234-1S  Specification Material: SUS316 Finish: Electrolysis Application: Max rotate angle 180° Performance details: Maximum static load Radial load: 1150N Axial load: 700N  CL235Z1B001 ERP CL235  Specification Material: Zinc alloy hinge, stainless steel screw Finish: Black powder coated hinge Application: Max rotate angle 180° Performance details: Maximum static load Radial load: 165N Axial load: 980N  CL234Z1A001 Black powder coated Nanometer painted CL234Z2B001 CL234  Specification Material: Zinc alloy hinge, steel pin Finish: Black powder coated hinge, nickel plated steel pin Application: Max rotate angle 90° Performance details: Maximum static load Radial load: 1150N Axial load: 700N  CL234Z2B001 ERP										

CL237-4



Specification

Material: Zinc alloy hinges, stainless steel pin
Finish: Black powder coated
Application: Max rotate angle 110°

Performance details:

Maximum static load
 Radial load: 1180N
 Axial load: 1540N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

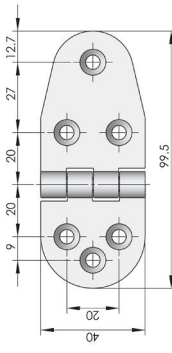
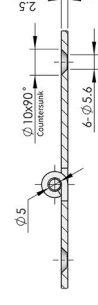
Handles

Door stop

Hinge

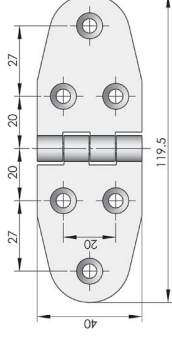
Seal gasket

CL238



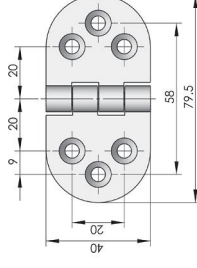
ERP

CL238S9C001



ERP

CL238S9C002



ERP

CL238S9C003



Specification

Material: Stainless steel hinge
Finish: Electrolysis
Application: Max rotate angle 180°

Performance details:

Maximum static load
 Radial load: 520N
 Axial load: 600N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

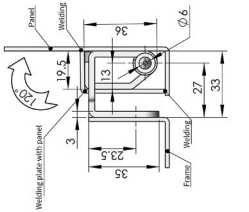
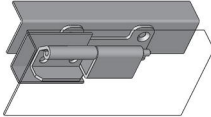
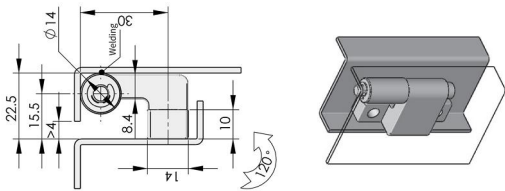
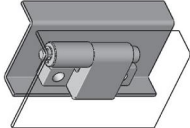
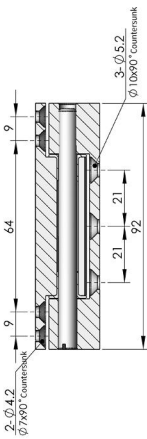
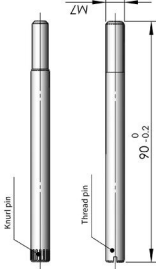
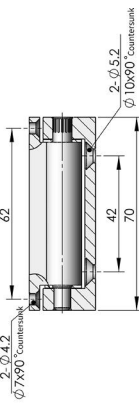
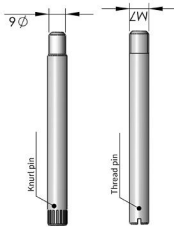
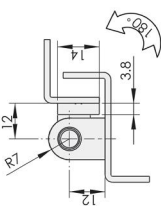
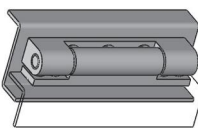
Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories	Handle lock	Cylinder lock	Plane lock	Rod control lock	Panel lock	Toggle and hook	Handles	Door stop	Hinge	Seal gasket
 CL244  Specification Material: Steel hinge, pin Finish: White zinc plated hinge, pin Application:Max rotate angle120° Performance details: Maximum static load Radial load: 270N Axial load: 305N  CL246  Specification Material: Zinc alloy hinge, steel pin Finish: Sand spray chrome plated hinge,white zinc plated pin Application:Max rotate angle110° Performance details: Maximum static load Radial load: 1000N Axial load: 820N										
 CL244F3D001  ERP CL244F3D001  CL246F3H001  ERP CL246F3H001										
 CL240-1  Specification Material: Aluminum alloy hinge, SUS304 pin Finish: Oxidation hinge,nickel plated pin Application: Max rotate angle 180° Performance details: Maximum static load Radial load: 500N Axial load: 600N  CL240-2  Specification Material: Aluminum alloy hinge, SUS304 pin Finish: Oxidation hinge,nickel plated pin Application: Max rotate angle 180° Performance details: Maximum static load Radial load: 500N Axial load: 600N										
 CL240-1  CL240-2  Specification Material: Aluminum alloy hinge, SUS304 pin Finish: Oxidation hinge,nickel plated pin Application: Max rotate angle 180° Performance details: Maximum static load Radial load: 500N Axial load: 600N  CL240F3D001  ERP CL240F3D001										

CL247



Specification

Material: Zinc alloy hinge, steel pin
Finish: Black powder plated hinge, white zinc plated pin
Application: Max rotate angle 180°
Performance details:
Maximum static load
 Radial load: 780N
 Axial load: 490N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

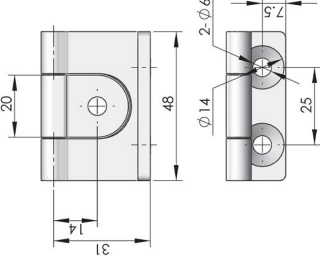
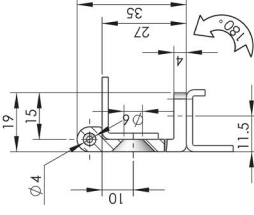
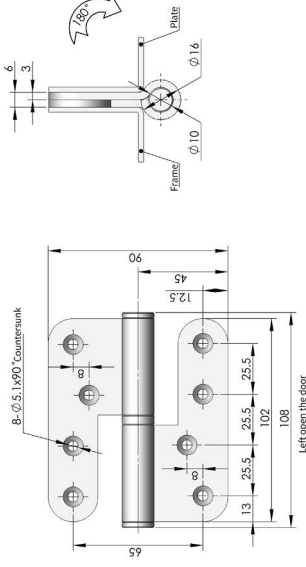
Seal gasket

CL249



Specification

Material: Steel hinge or stainless steel hinge
Application: Max rotate angle 180°
Performance details:
Maximum static load
 Radial load: 1200N
 Axial load: 1300N



Specification		ZH		RH	
Part number	ERP	Part number	ERP	Part number	ERP
Steel (White zinc plated)	CL249F3D001	CL249-1-Z	CL249F3D001	CL249-1-Y	CL249F3D002
Stainless steel (varendrawing polishing)	CL249S4B004	CL249-1B-Z	CL249S4B004	CL249-1B-Y	CL249S4B003

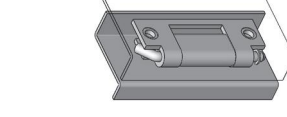
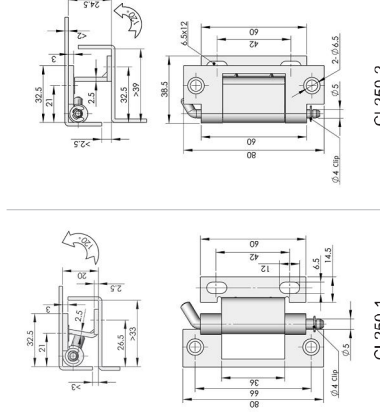
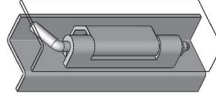
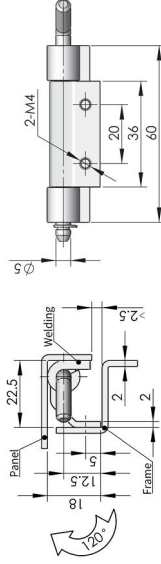
ERP CL247Z1A001

CL248



Specification

Material: Steel hinge, pin
Finish: White zinc plated
Application: Max rotate angle 120°
Performance details:
Maximum static load
 Radial load: 280N
 Axial load: 250N



CL250-1
CL250-2



Specification

Material: Steel hinge, pin
Finish: White zinc plated
Performance details:
Maximum static load
 Radial load: 310N
 Axial load: 480N

Part number	ERP	Specification
CL248-1	CL248F3D001	Steel (White zinc plated)
CL248-S	CL248S9C001	SUS316 (electrolysis)

Part number	ERP	Note
CL250-1	CL250F3D001	Steel(White zinc plated)
CL250-1B	CL250S00004	Stainless steel(grinding, vibration peeling)
CL250-2	CL250F3D002	Steel(White zinc plated)
CL250-2B	CL250S00003	Stainless steel(grinding, vibration peeling)

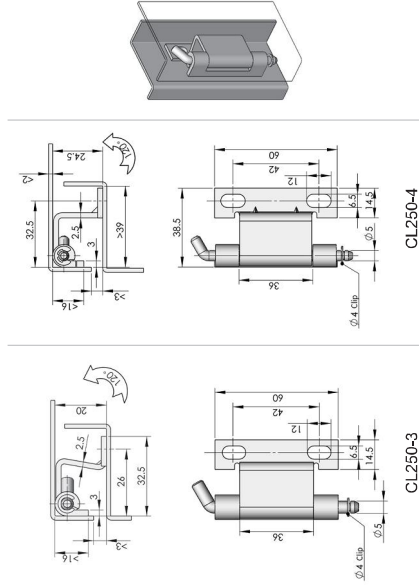
**CL250-3
CL250-4**



Specification

Material: Steel hinge, pin
Finish: White zinc plated
Application: Max rotate angle 120°

Performance details:
Maximum static load
Radial load: 350N
Axial load: 778N



CL250-3

CL250-4

Part number	ERP	Notes
CL250-3	CL250F3D003	Steel White (zinc plated)
CL250-3B	CL250S00002	Stainless steel (grinding vibration polishing)
CL250-4	CL250F3D004	Steel White (zinc plated)
CL250-4B	CL250S00001	Stainless steel (grinding vibration polishing)

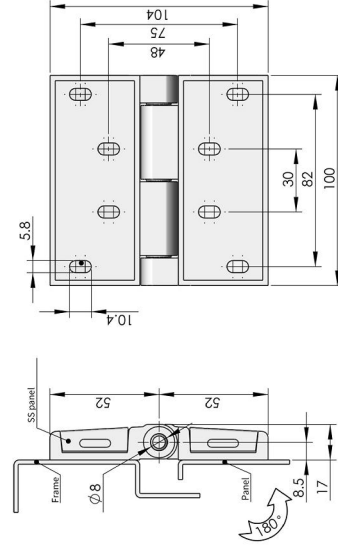
CL251



Specification

Material: Zinc alloy hinge, stainless steel pin and cover
Finish: Sand spray chrome plated hinge
Application: Max rotate angle 180°

Performance details:
Maximum static load
Radial load: 1200N
Axial load: 910N



Note: Remove the panel during installation and fix it with screws

ERP

CL251Z3H001

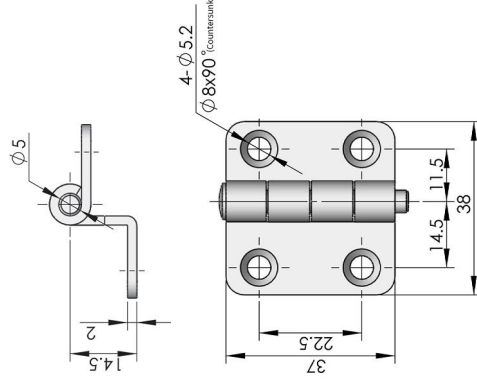
CL252



Specification

Material: Stainless steel
Application: Max rotate angle 180°

Performance details:
Maximum static load
Radial load: 520N
Axial load: 800N



ERP

CL252S00001

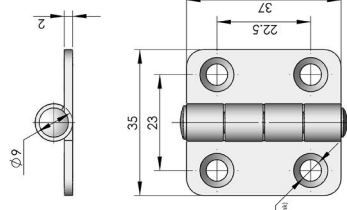
CL253-1



Specification

Material: Stainless steel
Finish: Mirror polishing
Application: Max rotate angle 180°

Performance details:
Maximum static load
Radial load: 745N
Axial load: 1090N



ERP

CL253S4A001

CL253-2
CL253-3



CL253-2

CL253-3



Specification

Material: Stainless steel
Finish: Mirror polishing
Application: Max rotate angle 180°

Performance details:
Maximum static load

Part number: CL253-2
Radial load: 1000N Axial load: 1200N
Part number: CL253-3
Radial load: 1500N Axial load: 1800N

CL253-4



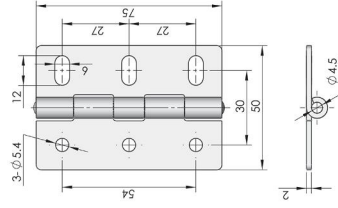
Specification

Material: Stainless steel
Finish: Mirror polishing
Application: Max rotate angle 180°

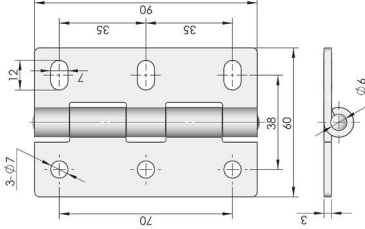
Performance details:
Maximum static load

Radial load: 516N
Axial load: 665N

CL253-2



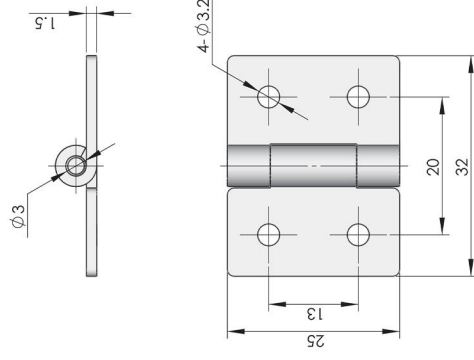
CL253-3



Part number	ERP	Note
CL253-2	CL253S4A002	Stainless steel
CL253-2-A	CL253F3D012	Steel
CL253-3	CL253S4A003	Stainless steel

ERP

CL253S4A011



CL253-5

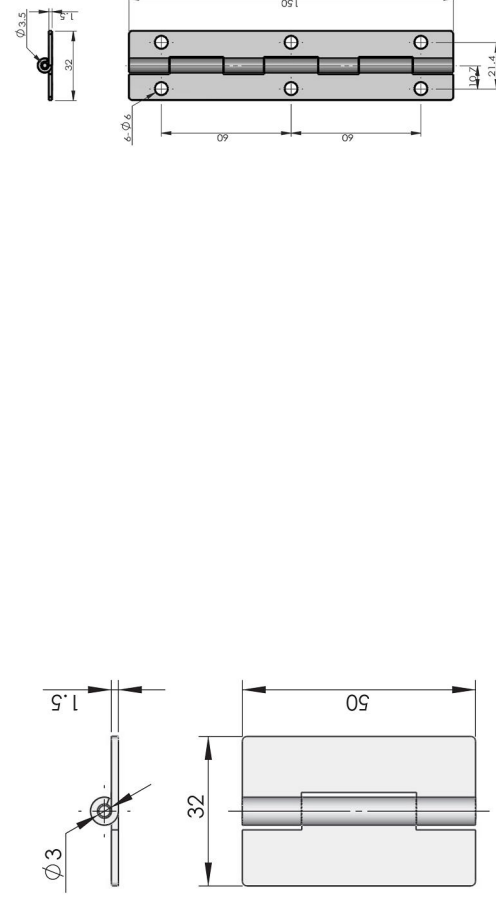


Specification

Material: Steel
Finish: White zinc plated
Application: Max rotate angle 180°

Performance details:
Maximum static load

Radial load: 840N
Axial load: 1380N



ERP

CL253S4A004

ERP

CL253F3D001

CL253-31



Specification

Material: Stainless steel
 Finish: Mirror polishing
 Application: Opening angle 180°
Performance details:
Maximum static load
 Radial load: 650N
 Axial load: 550N

CL253-32-1



Specification

Material: Stainless steel 304
 Finish: Mirror polishing
 Application: Max rotate angle 180°
Performance details:
Maximum static load
 Radial load: 610N
 Axial load: 510N

CL253-32-2



Specification

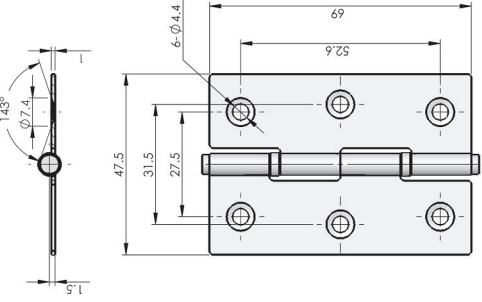
Material: Stainless steel 304
 Finish: Mirror polishing
 Application: Max rotate angle 180°
Performance details:
Maximum static load
 Radial load: 450N
 Axial load: 400N

CL254

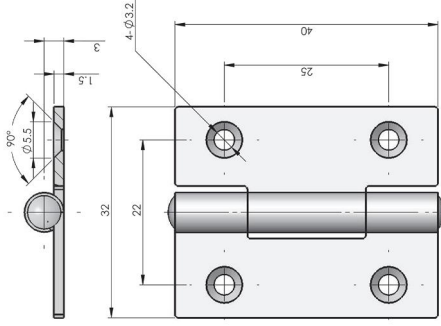


Specification

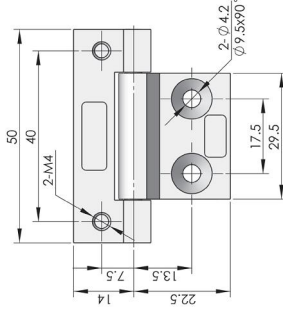
Material: Zinc alloy hinge, steel pin
 Finish: Black powder high-nickel plated pin
 Application: Max rotate angle 180°
Performance details:
Maximum static load
 Radial load: 1000N
 Axial load: 800N



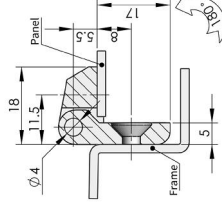
ERP CL253S00008



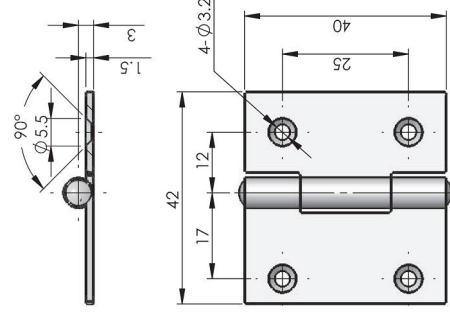
ERP CL253S4A057



ERP CL254Z1A001



ERP CL253S4A056



CL255



Specification

Material: Steel pin
Finish: Black powder hinge,nickel plated pin
Application:Max rotate angle 180°

Performance details:

Maximum static load

Part number: CL255-1/2/3
Radial load: 935N Axial load: 915N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL257



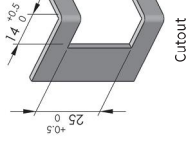
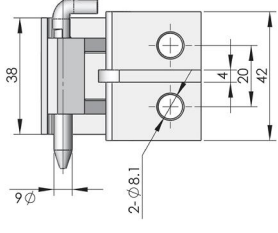
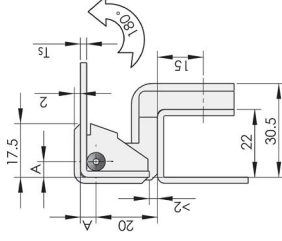
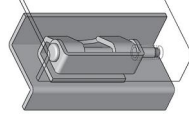
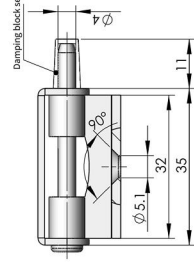
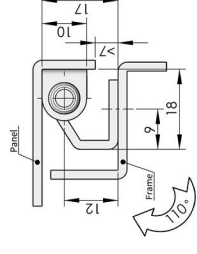
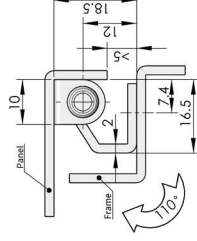
Specification

Material: Steel hinge, pin, PA spacer sleeve
Finish: White zinc plated
Application:Max rotate angle 110°

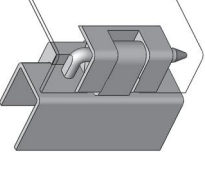
Performance details:

Maximum static load

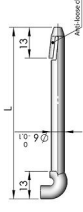
Radial load: 885N
Axial load: 525N



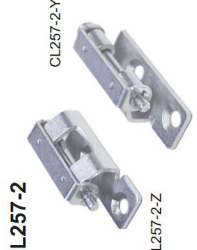
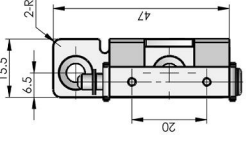
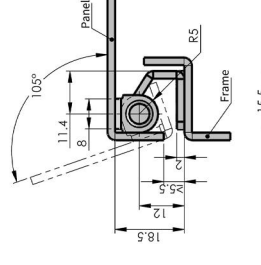
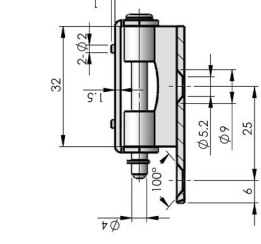
Cutout



Nylon pin(optional)



Part number	L
PN001	57
PN002	78



CL257-2

CL257-2-Z



Specification

Material: Steel
Finish: White zinc plated
Application: Opening angle 90°

Performance details:

Maximum static load

Radial load: 130N
Axial load: 220N

Part number	ERP	Specification	A	Note
CL255-1A	CL255Z1A004	Ts=2mm	5.1	Steel female hinge

Specification	LH	RH
ERP	CL257F3D009	CL257F3D008

CL270-4-1D



Specification

Material: Steel hinges, pin
Finish: White zinc plated
Application: Max rotate angle 180°

Performance details:
Maximum static load

Radial load: 250N
Axial load: 150N

CL272



Specification

Material: Black POM hinge-steel screw, PC shaft
Application: Max rotate angle 160°

CL272-2



Specification

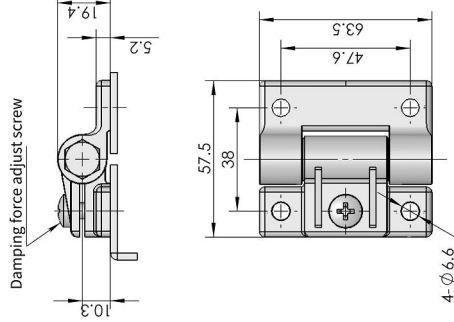
Material: POM hinge, PC shaft, stainless steel screw and nut
Finish: Black hinge and shaft natural color
Application: Max rotate angle 165°

CL273



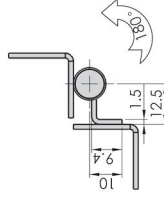
Specification

Material: Steel hinge
Finish: White zinc plated
Application: Max rotate angle 90°~120°
Performance details:
Maximum static load
Radial load: 260N
Axial load: 340N



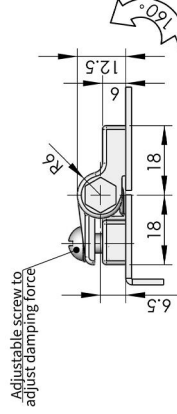
ERP

CL272N00002



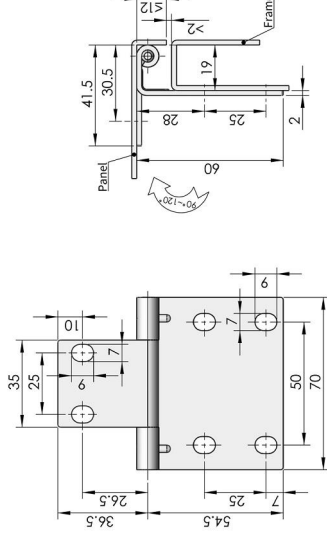
ERP

CL270F00004



ERP

CL272N00001



ERP

CL273F3D001

CL274



Specification

Material: Steel hinge
Finish: White zinc plated
Application: Max rotate angle 120°
Performance details:
Maximum static load
Radial load: 180N
Axial load: 310N

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

CL275-1



Specification

Material: Steel hinge
Finish: White zinc plated
Application: Max rotate angle 120°
Performance details:
Maximum static load
Radial load: 120N
Axial load: 310N

CL275-2



Specification

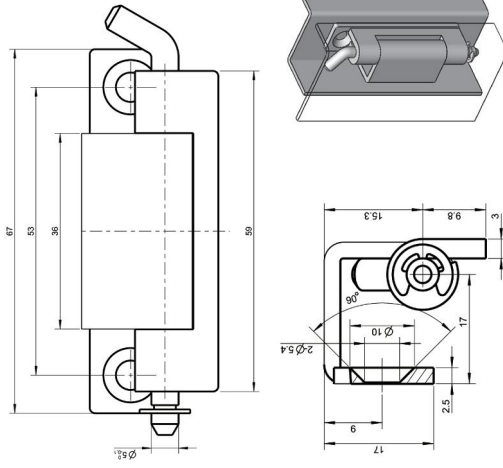
Material: Steel hinge
Finish: White zinc plated
Application: Max rotate angle 120°
Performance details:
Maximum static load
Radial load: 120N
Axial load: 310N

CL275-4



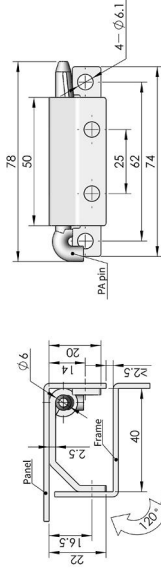
Specification

Material: Steel hinge
Finish: White zinc plated
Application: Max rotate angle 120°
Performance details:
Maximum static load
Radial load: 410N
Axial load: 91N



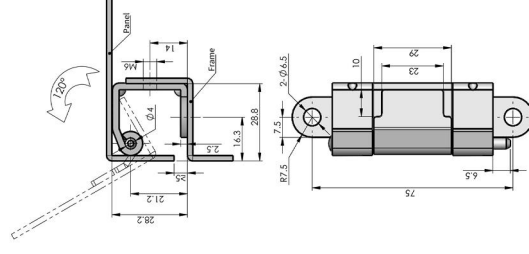
CL275F3D003

ERP



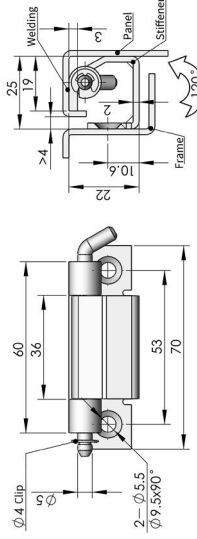
CL274F3D001

ERP



CL275F3D010

ERP



CL275F3D002

ERP

CL280-2



Specification

Material: Steel hinge
Finish: Black painting female hinge raw male hinge. White zinc plated
Application:Max rotate angle 120°
Performance details:
Maximum static load
Radial load: 1220N
Axial load: 1000N

CL281



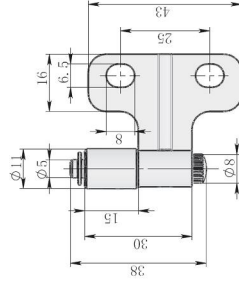
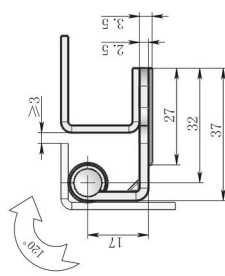
CL281-1-Y

CL281-1-Z



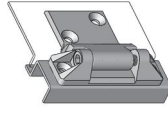
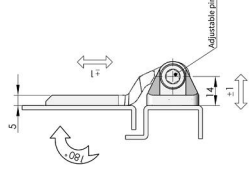
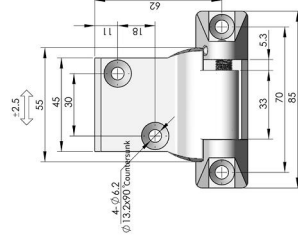
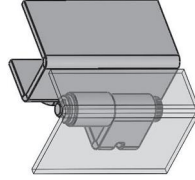
Specification

Material: Stainless steel hinge
Application:Max rotate angle 180°
Performance details:
Maximum static load
Radial load: 1280N
Axial load: 630N



ERP

CL280F2A003



Part number

ERP

CL282-2-Z LH

CL282Z1B003

CL282-2-Y RH

CL282Z1B004

CL282-2-Y
CL282-2-Z



Specification

Material: Zinc alloy hinge
Finish: Black powder coated female hinge, stainless steel pin
Application:Max rotate angle 180°
Performance details:
Maximum static load
Radial load: 1500N
Axial load: 1300N

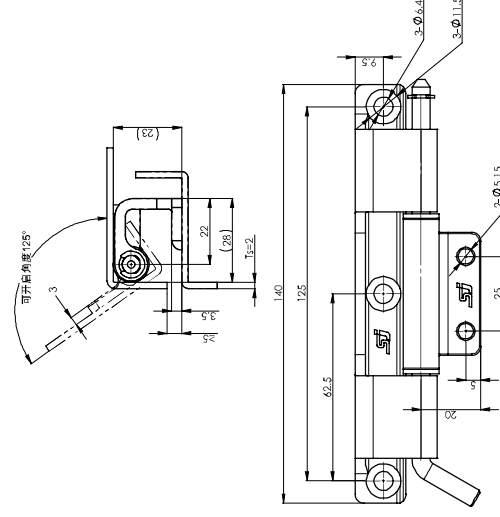
CL283-12-1



New

Specification

Material: Stainless steel
Surface Treatment: Zinc-nickel alloy
Structure Description: Can open at an angle of 125°
Performance details:
Maximum static load
Axial Load Capacity: 840N
Radial Load Capacity: 1340N



ERP

CL283S3Y005

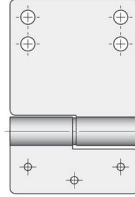
ERP

CL281-A-Z LH

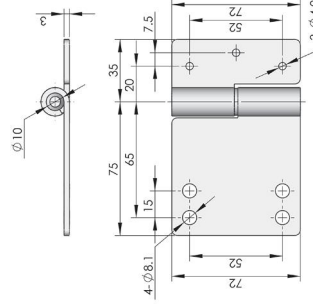
CL281S4A001

CL281-A-Y RH

CL281S4A003



CL280-1-Y



CL280-1-Z

[illegible]

CL288



Specification

Material: Stainless steel
Application: Max rotate angle 180°

Performance details:
Maximum static load

Radial load: 3000N
Axial load: 3000N

CL289



Specification

Material: Zinc alloy female hinge
Finish: Black painting
Application: Max rotate angle 180°

Performance details:
Maximum static load

Radial load: 1500N
Axial load: 1435N
Recommended tightening torque for countersunk screws: 10N.m

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

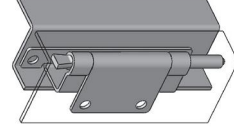
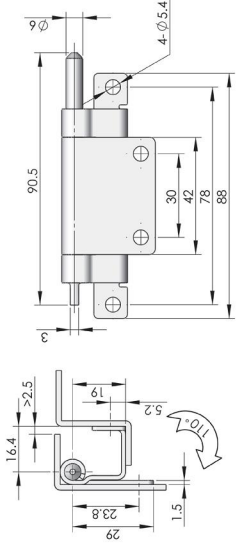
Toggle and hook

Handles

Door stop

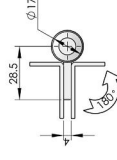
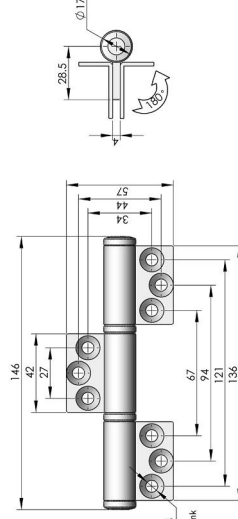
Hinge

Seal gasket



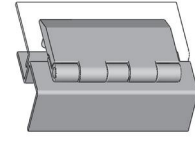
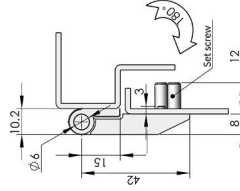
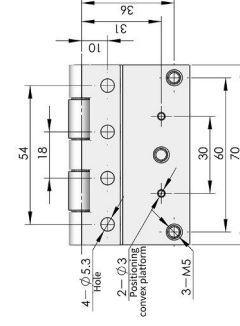
ERP

CL290S00001



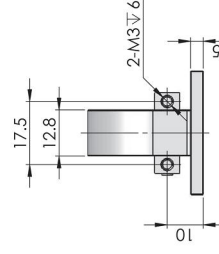
ERP

CL288S00001



ERP

CL289Z2A001



CL292



Specification

Material: Zinc alloy hinge, steel pin
Finish: Sand spray chrome plated
Application: Max rotate angle 180°

Performance details:
Maximum static load

Radial load: 95N
Axial load: 105N

ERP

CL292Z3H001

CL293



Specification

Material: Steel hinge
Finish: Sand spray nickel plated
Application: Max rotate angle 120°
Performance details:
Maximum static load
Radial load: 3000N
Axial load: 3000N

CL296



Specification

Material: Steel hinge
Finish: White zinc plated
Application: Max rotate angle 120°
Performance details:
Maximum static load
Radial load: 200N
Axial load: 160N

CL295



Specification

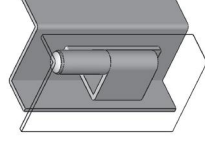
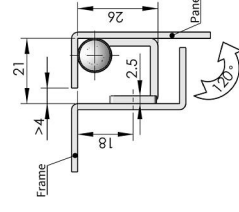
Material: Black PA hinge, steel pin
Finish: White zinc plated pin
Application: Max rotate angle 180°
Performance details:
Maximum static load
Radial load: 1180N
Axial load: 1515N

CL297

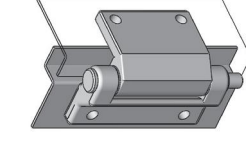
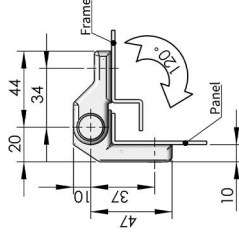


Specification

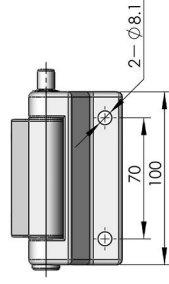
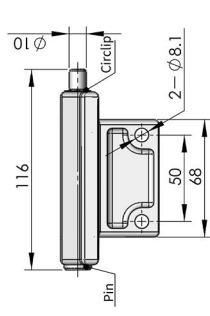
Material: Steel hinge
Finish: Anti-rust oil soaked
Application: Max rotate angle 155°
Performance details:
Maximum static load
Radial load: 1500N
Axial load: 1800N



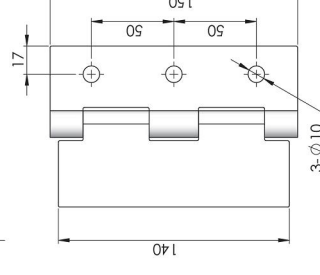
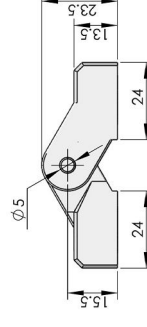
ERP CL296F3D001



ERP CL293F3I001



ERP CL295N00001

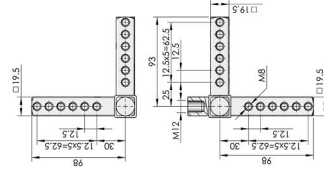
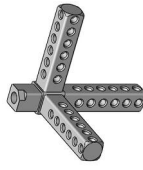


ERP CL297F00001

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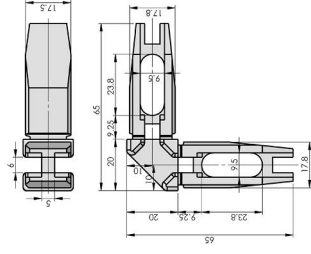
Tee Pipe

FJ019-ID



ERP	Material
1120000086	Steel

FB0155



ERP	Material
1180150001	PAG+30%GF

Accessories

Handle lock

Cylinder lock

Plane lock

Rod control lock

Panel lock

Toggle and hook

Handles

Door stop

Hinge

Seal gasket

Accessories

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Sample Tips

The performance and application specification of our products are only for reference. If the application conditions of the chosen products and the matching products can not be confirmed, then they should be tested under the practical situation and environment.

Thereby it can be confirmed whether the products are suitable for the users and whether they satisfy the users in the application. The application conditions will be changed in different applicable occasions and by different installed methods, so the sample only introduces the products' general performance and application. The standard size is only for the users to confirm the products' external size and provide them proper installed methods. Any mistake or drawback of those data in practical application, we highly welcome your feedback information.

Order of regular standard items will be handled and dispatched faster than those of irregulars and nonstandard ones.

All of your cabinet locks, hinges, door stops and other regular products are RH application. Drawings of this catalog may not share single unified scale

Remark

This image shows a blank sheet of white paper with vertical blue lines. The lines are evenly spaced and run from the top to the bottom of the page, creating a series of narrow columns. There are no margins, text, or other markings on the paper.