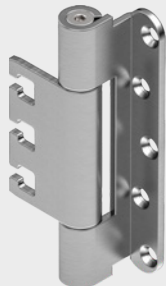


External hinges



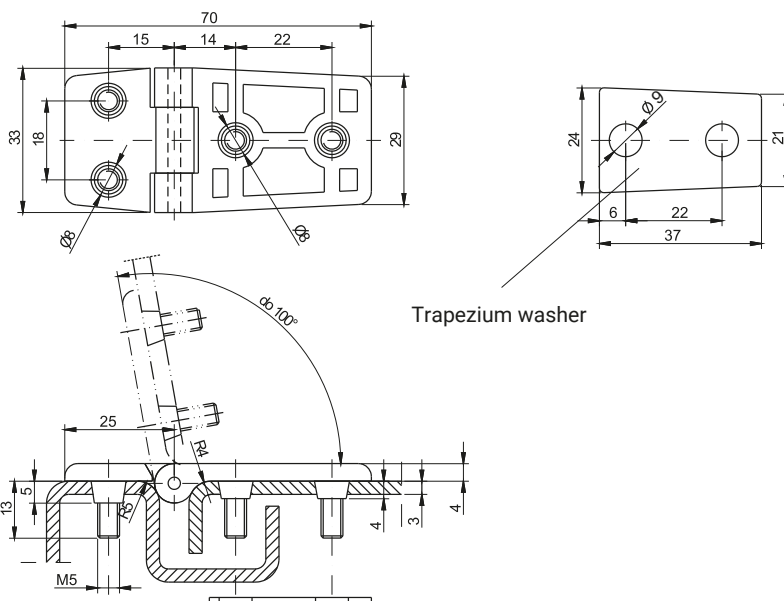
3A



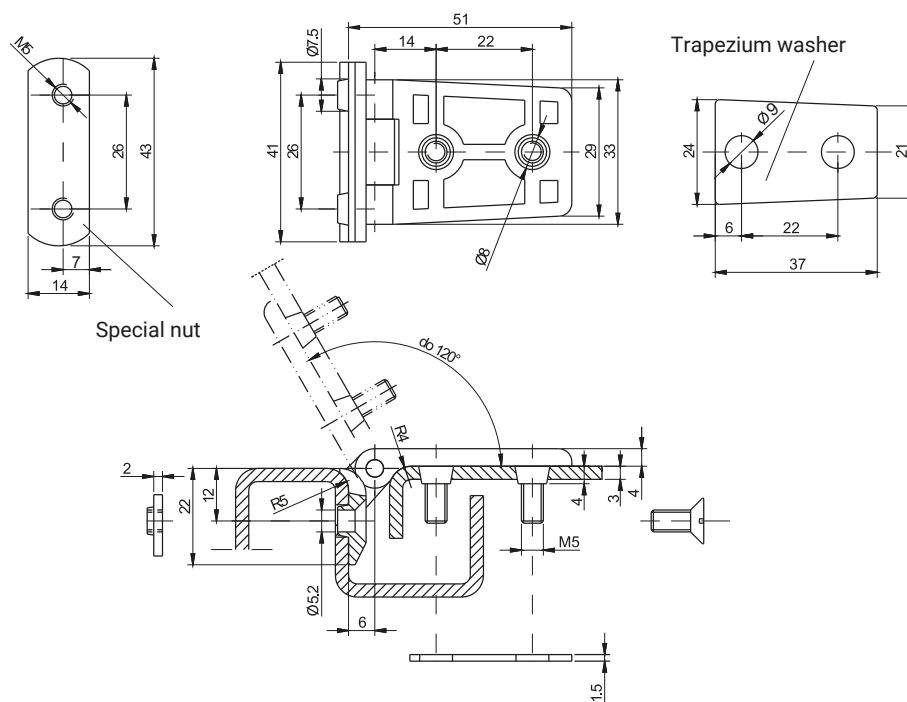
External hinges

3A

Hinge 3.ZN1, 3.ZN2



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN1.001	Holder, Base	ZAMAK 5	04	05
	Pin	Brass		
	Washer, nut	Steel zinc plated		



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN2.001	Holder, Base	ZAMAK 5	04	05
	Pin	Brass		
	Washer, nut	Steel zinc plated		

How to order:

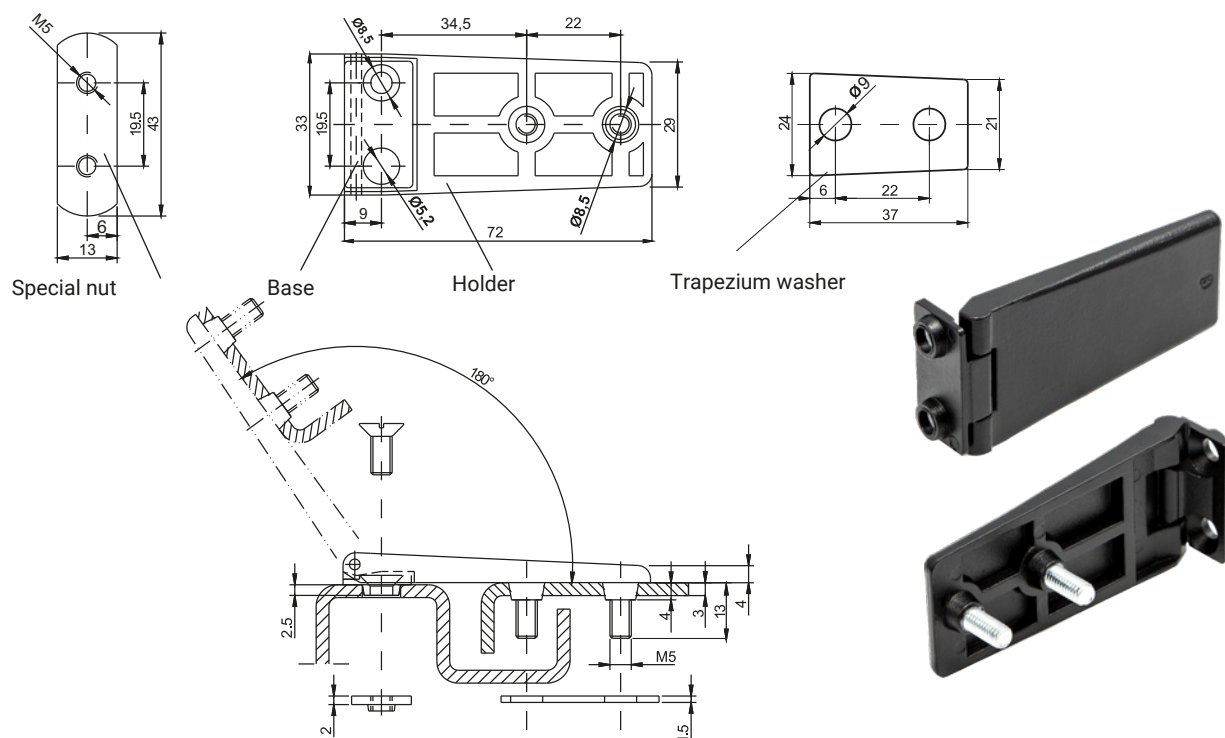
Catalogue number

Finish

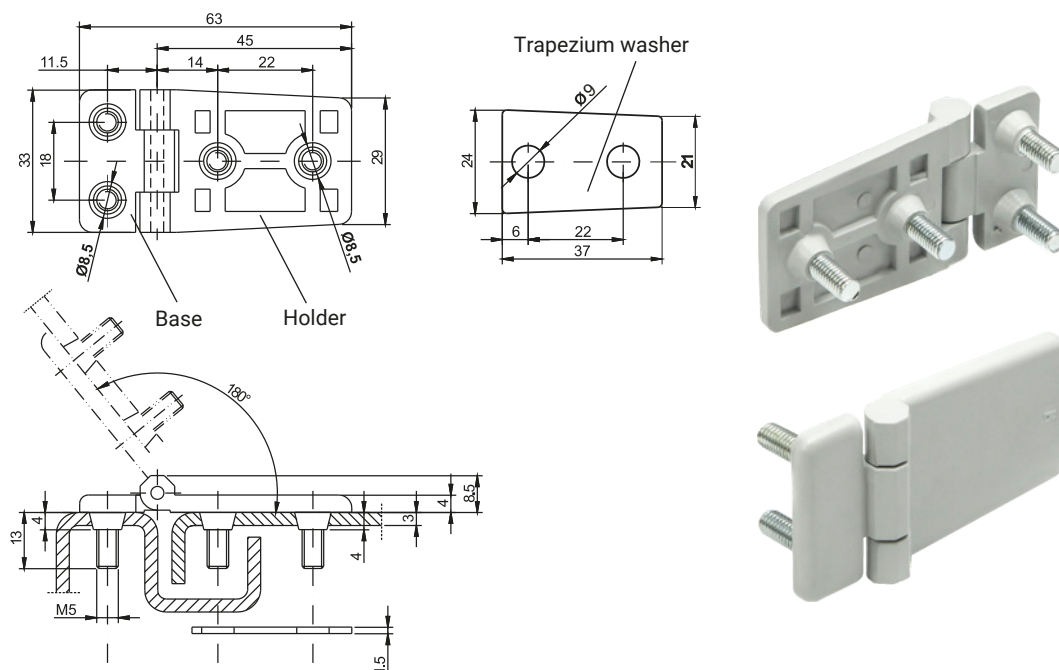
3.ZN1.001

C

Hinge 3.ZN3, 3.ZN4



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN3.001	Holder, Base	ZAMAK 5	04	05
	Pin	Brass		
	Washer, nut	Steel zinc plated		



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN4.001	Holder, Base	ZAMAK 5	04	05
	Pin, Washer	Steel zinc plated		

How to order:

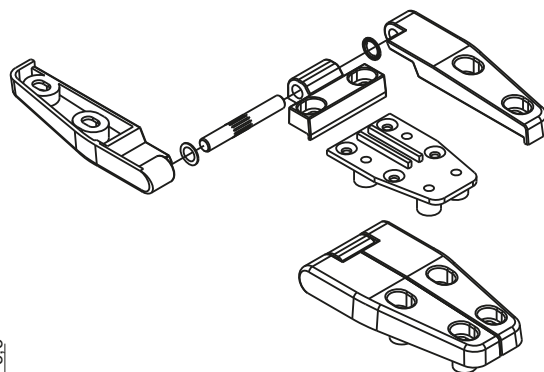
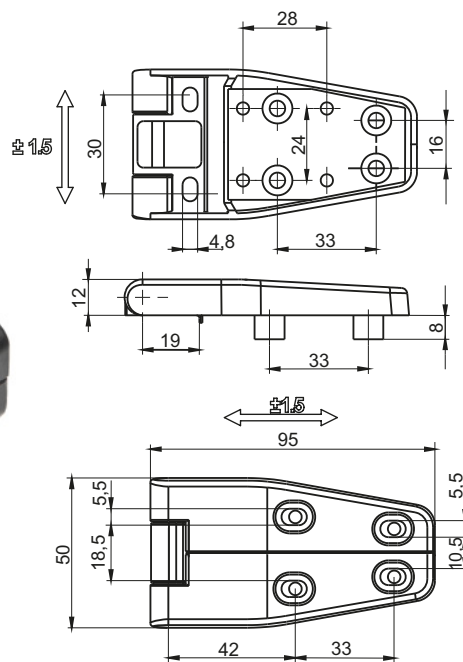
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Finish

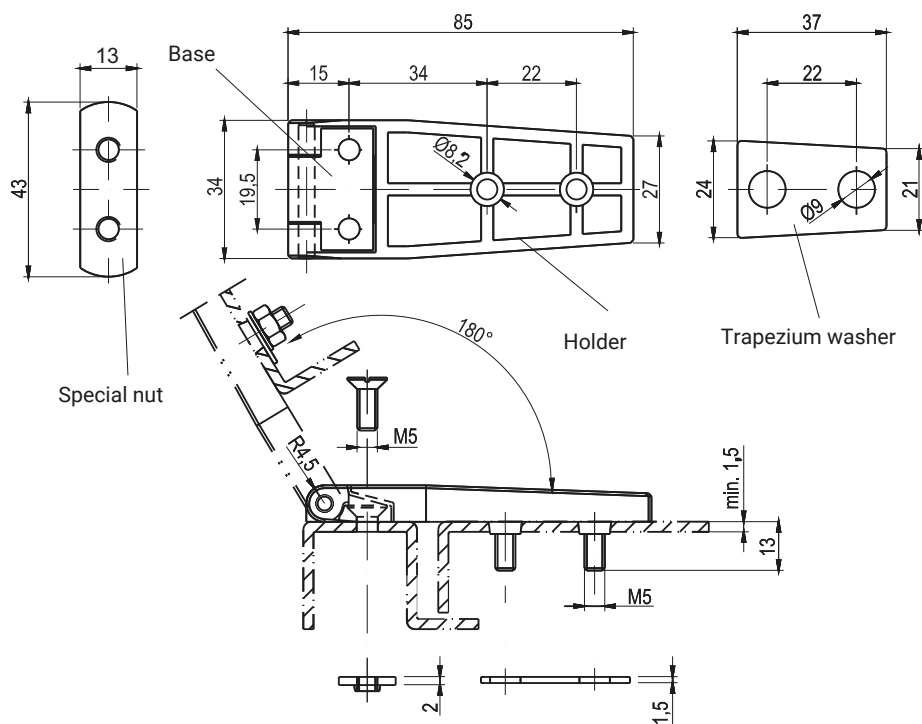
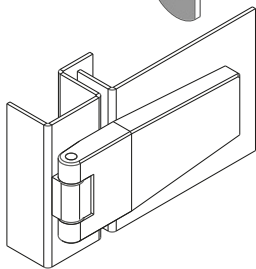
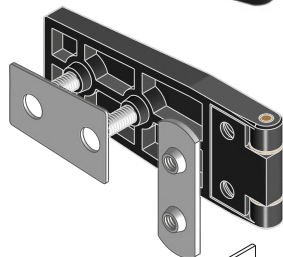
3.ZN3.001

C

Hinge 3.ZN115, 3.ZN110



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN115.001	Holder, Base	ZAMAK 5	04	05
	Pin, Washer, Nut	Steel zinc plated		



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN110.001	Holder, Base	ZAMAK 5	04	05
	Pin Washer, Nut	Steel zinc plated		

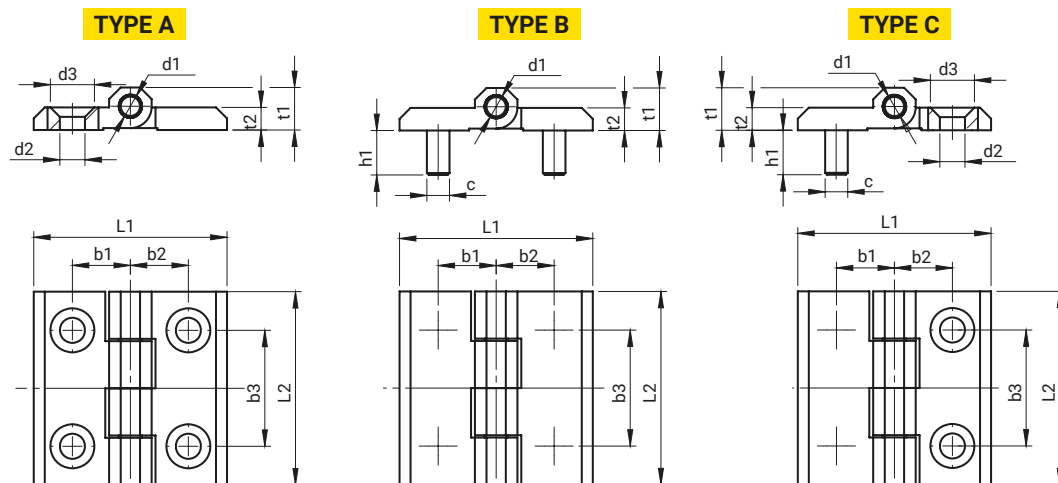
How to order:

Catalogue number

Finish

3.ZN115.001

C

**Specification****TYPE A** - 4 holes for countersunk screws**TYPE B** - version with 4 threaded pins**TYPE C** - version with 2 threaded pins and 2 holes**INFORMATION**

Type A and C: use DIN 965 screws

Pin made of **AISI 304** stainless steelM6 screws made of **AISI 304** stainless steel

M8 screws made of galvanized steel

* possibility to order with M5x8 pins

**Material: ZAMAK 5**

CATALOG NO.	TYPE	L1	L2	c	h1	b1	b2	b3	t1	t2	d1	d2	d3	FINISH
3.ZN60.001-01	A	40	40	-	-	12,5	12,5	25	9	5	4	5,4	10	Chrome
3.ZN60.001-04	A	40	40	-	-	12,5	12,5	25	9	5	4	5,4	10	RAL9005
3.ZN60.001-05	A	40	40	-	-	12,5	12,5	25	9	5	4	5,4	10	RAL7035
3.ZN60.002-01*	B	40	40	M5	12,5	12,5	12,5	25	9	5	4	-	-	Chrome
3.ZN60.002-04*	B	40	40	M5	12,5	12,5	12,5	25	9	5	4	-	-	RAL9005
3.ZN60.002-05*	B	40	40	M5	12,5	12,5	12,5	25	9	5	4	-	-	RAL7035
3.ZN60.004-01*	C	40	40	M5	12,5	12,5	12,5	25	9	5	4	5,4	10	Chrome
3.ZN60.004-04*	C	40	40	M5	12,5	12,5	12,5	25	9	5	4	5,4	10	RAL9005
3.ZN60.004-05*	C	40	40	M5	12,5	12,5	12,5	25	9	5	4	5,4	10	RAL7035
3.ZN65.001-01	A	50	50	-	-	15	15	30	11	6	6	6,3	11,5	Chrome
3.ZN65.001-04	A	50	50	-	-	15	15	30	11	6	6	6,3	11,5	RAL9005
3.ZN65.001-05	A	50	50	-	-	15	15	30	11	6	6	6,3	11,5	RAL7035
3.ZN65.002-01	B	50	50	M6	12,5	15	15	30	11	6	6	-	-	Chrome
3.ZN65.002-04	B	50	50	M6	12,5	15	15	30	11	6	6	-	-	RAL9005
3.ZN65.002-05	B	50	50	M6	12,5	15	15	30	11	6	6	-	-	RAL7035
3.ZN65.003-01	C	50	50	M6	12,5	15	15	30	11	6	6	6,3	11,5	Chrome
3.ZN65.003-04	C	50	50	M6	12,5	15	15	30	11	6	6	6,3	11,5	RAL9005
3.ZN65.003-05	C	50	50	M6	12,5	15	15	30	11	6	6	6,3	11,5	RAL7035
3.511.11	A	60	60	-	-	18	18	36	15	8	8	8,4	14,5	Chrome
3.511.12	A	60	60	-	-	18	18	36	15	8	8	8,4	14,5	RAL9005
3.511.21	B	60	60	M8	14,8	18	18	36	15	8	8	-	-	Chrome
3.511.22	B	60	60	M8	14,8	18	18	36	15	8	8	-	-	RAL9005
3.511.31	C	60	60	M8	14,8	18	18	36	15	8	8	8,4	14,5	Chrome
3.511.32	C	60	60	M8	14,8	18	18	36	15	8	8	8,4	14,5	RAL9005

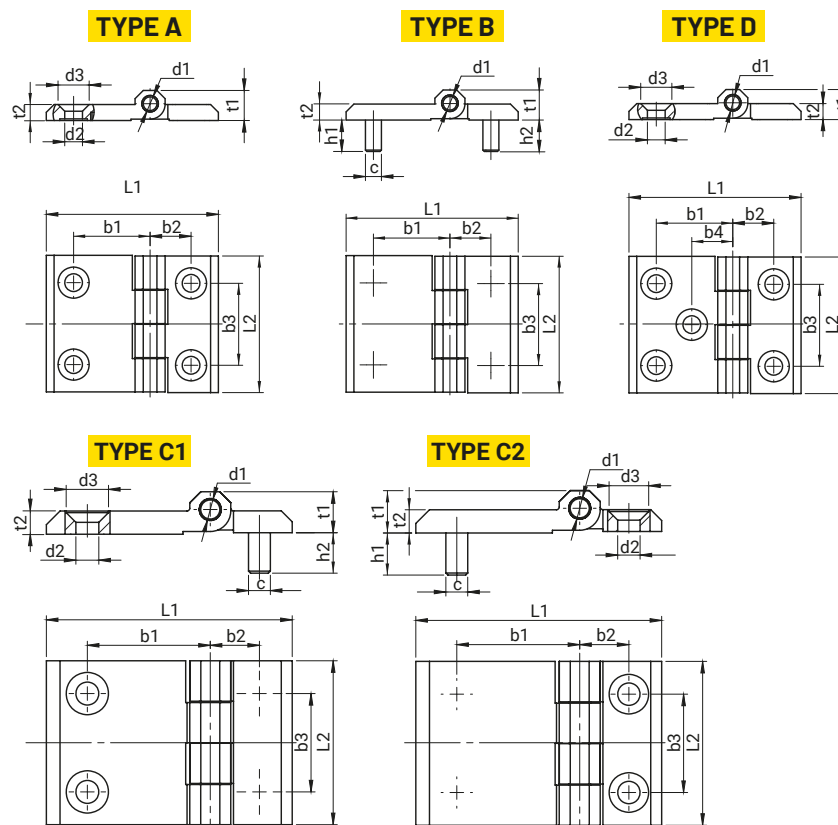
Material: STAINLESS STEEL AISI 316

CATALOG NO.	TYPE	L1	L2	c	h1	b1	b2	b3	t1	t2	d1	d2	d3	FINISH
3.ZN60.001SN	A	40	40	-	-	12,5	12,5	25	9	5	4	5,2	11,5	-
3.ZN60.002SN	B	40	40	M5	12	12,5	12,5	25	9	5	4	-	-	-
3.ZN65.001SN	A	50	50	-	-	15	15	30	11,5	6	6	6,3	13,5	-
3.ZN65.002SN	B	50	50	M6	12	15	15	30	11,5	6	6	-	-	-
3.511.001SN	A	60	60	-	-	18	18	36	15	8	8	8,2	18	-
3.511.002SN	B	60	60	M8	14	18	18	36	15	8	8	-	-	-

Material: POLYAMIDE

CATALOG NO.	TYPE	L1	L2	c	h1	b1	b2	b3	t1	t2	d1	d2	d3	FINISH
3.511.13	A	60	60	-	-	18	18	36	15	8	8	8,4	16,8	RAL 9005

Hinge 3.509, 3.512

**Specification****TYP A** - version with 4 holes**TYP B** - version with 4 threaded pins**TYP C1** - version with 2 holes and 2 threaded pins**TYP C2** - version with 2 threaded pins and 2 holes**TYP D** - version with 5 holes**INFORMATION**

Type A, C1, C2, D: use DIN 965 screws

Pin made of **AISI 304** stainless steelM6 screws made of **AISI 304** stainless steel

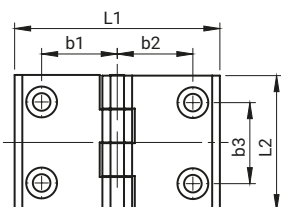
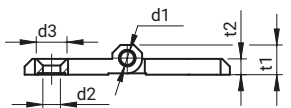
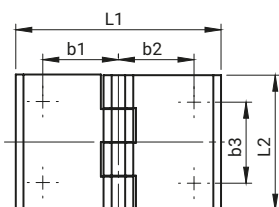
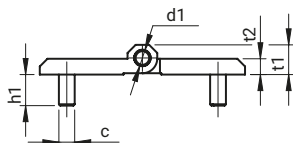
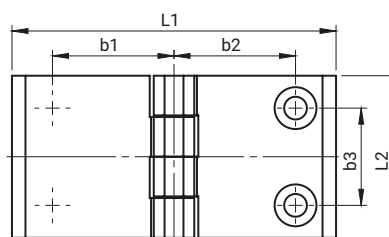
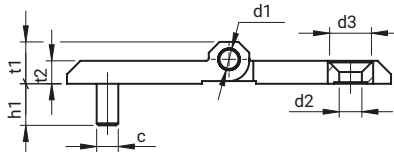
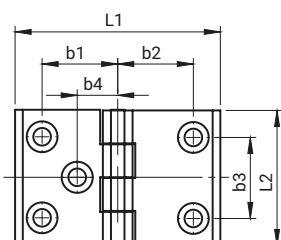
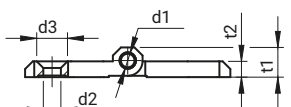
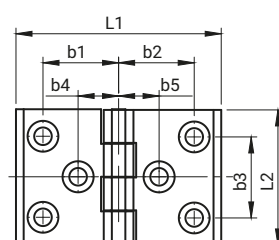
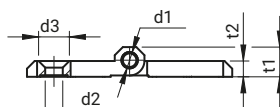
M8 screws made of galvanized steel

Material: ZAMAK 5

CATALOG NO.	TYPE	L1	L2	c	h1	h2	b1	b2	b3	b4	t1	t2	d1	d2	d3	FINISH
3.509.01	A	63	50	-	-	-	28	15	30	-	11	6	6	6,5	11,5	Chrome
3.509.02	A	63	50	-	-	-	28	15	30	-	11	6	6	6,5	11,5	RAL9005
3.509.31	B	63	50	M6	11,5	-	28	15	30	-	11	6	6	6,5	11,5	Chrome
3.509.32	B	63	50	M6	11,5	-	28	15	30	-	11	6	6	6,5	11,5	RAL9005
3.509.11	D	63	50	-	-	-	28	15	30	15	11	6	6	6,5	11,5	Chrome
3.509.12	D	63	50	-	-	-	28	15	30	15	11	6	6	6,5	11,5	RAL9005
3.512.11	A	90	60	-	-	-	45	18	36	-	15	8	8	8,4	15,5	Chrome
3.512.12	A	90	60	-	-	-	45	18	36	-	15	8	8	8,4	15,5	RAL9005
3.512.21	B	90	60	M8	15,4	15	45	18	36	-	15	8	8	-	-	Chrome
3.512.22	B	90	60	M8	15,4	15	45	18	36	-	15	8	8	-	-	RAL9005
3.512.31	C1	90	60	M8	-	15	45	18	36	-	15	8	8	8,4	15,5	Chrome
3.512.32	C1	90	60	M8	-	15	45	18	36	-	15	8	8	8,4	15,5	RAL9005
3.512.41	C2	90	60	M8	15,4	-	45	18	36	-	15	8	8	8,4	15,5	Chrome
3.512.42	C2	90	60	M8	15,4	-	45	18	36	-	15	8	8	8,4	15,5	RAL9005

Material: STAINLESS STEEL AISI 316

CATALOG NO.	TYPE	L1	L2	c	h1	b1	b2	b3	b4	t1	t2	d1	d2	d3	FINISH
3.509.0SN	A	63	50	-	-	28	15	30	-	11	6	6	6,5	13,5	-
3.509.3SN	B	63	50	M6	12	28	15	30	-	11	6	6	-	-	-
3.512.1SN	A	90	60	-	-	45	18	36	-	15	8	8	8,4	18,3	-
3.512.2SN	B	90	60	M8	14	48	18	36	-	15	8	8	-	-	-

TYPE A**TYPE B****TYPE C****TYPE D****TYPE E****Specification****TYPE A** - version with 4 holes**TYPE B** - version with 4 threaded pins**TYPE C** - version with 2 holes and 2 threaded pins**TYPE D** - version with 5 holes**TYPE E** - version with 6 holes**INFORMATION**

Type A, C, D, E: use DIN 965 screws

Pin made of AISI 304 stainless steel

M6 screws made of AISI 304 stainless steel

M8 screws made of galvanized steel

**** material: POLIAMIDE PA6****Material: ZAMAK 5**

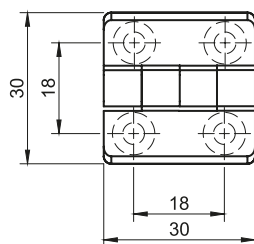
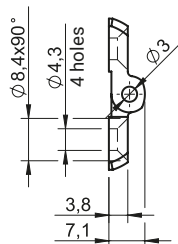
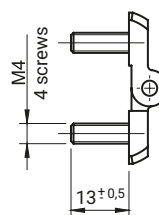
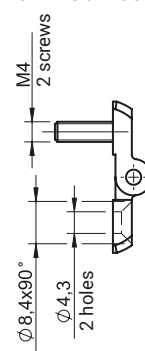
CATALOG NO.	TYPE	L1	L2	c	h1	b1	b2	b3	b4	b5	t1	t2	d1	d2	d3	FINISH
3.510.01	A	76	50	-	-	28	28	30	-	-	11	6	6	6,5	11,5	Chrome
3.510.02	A	76	50	-	-	28	28	30	-	-	11	6	6	6,5	11,5	RAL9005
3.510.11	D	76	50	-	-	28	28	30	15	-	11	6	6	6,5	11,5	Chrome
3.510.12	D	76	50	-	-	28	28	30	15	-	11	6	6	6,5	11,5	RAL9005
3.510.21	E	76	50	-	-	28	28	30	15	15	11	6	6	6,5	11,5	Chrome
3.510.22	E	76	50	-	-	28	28	30	15	15	11	6	6	6,5	11,5	RAL9005
3.510.23 **	E	76	50	-	-	28	28	30	15	15	11	6	6	6,5	11,5	RAL9005 **
3.510.31	B	76	50	M6	11,5	28	28	30	-	-	11	6	6	-	-	Chrome
3.510.32	B	76	50	M6	11,5	28	28	30	-	-	11	6	6	-	-	RAL9005
3.510.41	C	76	50	M6	11,5	28	28	30	-	-	11	6	6	6,5	11,5	Chrome
3.510.42	C	76	50	M6	11,5	28	28	30	-	-	11	6	6	6,5	11,5	RAL9005
3.ZN66.001-01	E	76	60	-	-	28	28	36	18	18	15	8	8	6,5	12,5	Chrome
3.ZN66.001-04	E	76	60	-	-	28	28	36	18	18	15	8	8	6,5	12,5	RAL9005
3.ZN66.001-05	E	76	60	-	-	28	28	36	18	18	15	8	8	6,5	12,5	RAL7035
3.ZN66.002-01	A	76	60	-	-	28	28	36	-	-	15	8	8	6,5	12,5	Chrome
3.ZN66.002-04	A	76	60	-	-	28	28	36	-	-	15	8	8	6,5	12,5	RAL9005
3.ZN66.002-05	A	76	60	-	-	28	28	36	-	-	15	8	8	6,5	12,5	RAL7035
3.ZN66.003-04	B	76	60	M6	12	28	28	36	-	-	15	8	8	-	-	RAL9005
3.ZN66.003-05	B	76	60	M6	12	28	28	36	-	-	15	8	8	-	-	RAL7035
3.513.11	A	120	60	-	-	45	45	36	-	-	15	8	8	8,4	15,5	Chrome
3.513.12	A	120	60	-	-	45	45	36	-	-	15	8	8	8,4	15,5	RAL9005
3.513.21	B	120	60	M8	15	45	45	36	-	-	15	8	8	-	-	Chrome
3.513.22	B	120	60	M8	15	45	45	36	-	-	15	8	8	-	-	RAL9005
3.513.31	C	120	60	M8	15	45	45	36	-	-	15	8	8	8,4	15,5	Chrome
3.513.32	C	120	60	M8	15	45	45	36	-	-	15	8	8	8,4	15,5	RAL9005

Material: STAINLESS STEEL AISI 316

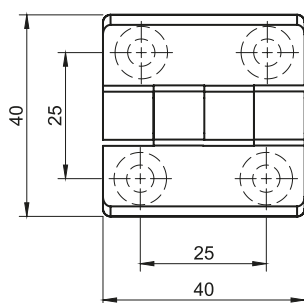
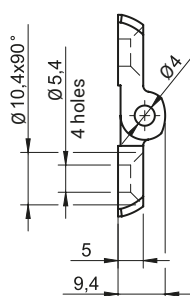
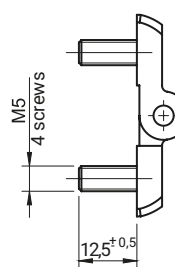
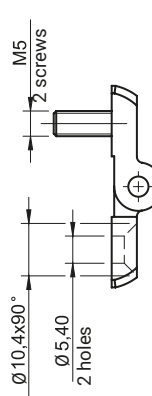
CATALOG NO.	TYPE	L1	L2	c	h1	b1	b2	b3	b4	b5	t1	t2	d1	d2	d3	FINISH
3.510.0SN	A	76	50	-	-	28	28	30	-	-	11,5	6	6	6,6	13,5	-
3.510.3SN	B	76	50	M6	12	28	28	30	-	-	11,5	6	6	-	-	-
3.513.1SN	A	120	60	-	-	45	45	36	-	-	15	8	8	8,4	18,3	-

Polyamide hinge

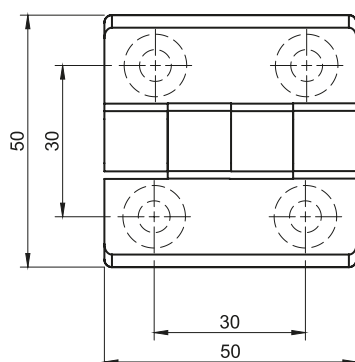
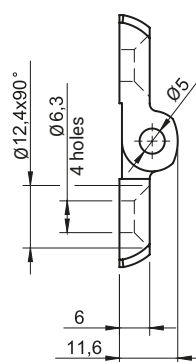
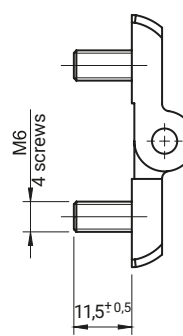
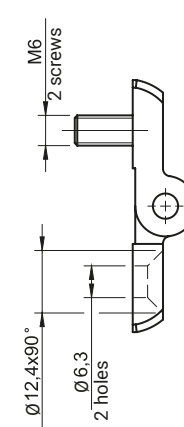
3.ZN30, 3.ZN60, 3.ZN65

**3.ZN30.101****3.ZN30.102****3.ZN30.103**

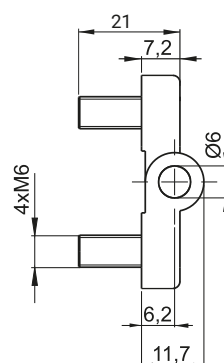
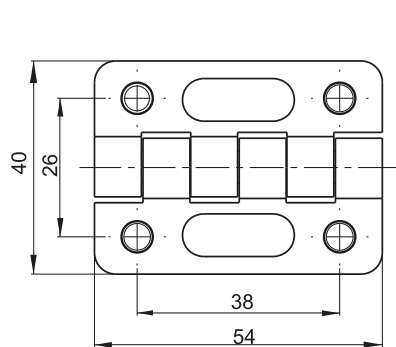
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN30.101	Holder, Base	Polyamide	07
3.ZN30.102	Pin	Stainless steel	-
3.ZN30.103	Screws	Steel zinc plated	-

**3.ZN60.101****3.ZN60.102****3.ZN60.103**

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN60.101	Holder, Base	Polyamide	07
3.ZN60.102	Pin	Stainless steel	-
3.ZN60.103	Screws	Stainless steel	-

**3.ZN65.101****3.ZN65.102****3.ZN65.103**

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN65.101	Holder, Base	Polyamide	07
3.ZN65.102	Pin	Stainless steel	-
3.ZN65.103	Screws	Steel zinc plated	-



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	
3.ZN68.001*	Holder, Base	ZAMAK 5	04	
	Pin	Steel zinc plated		



VERSION LEFT

3.ZN67.002

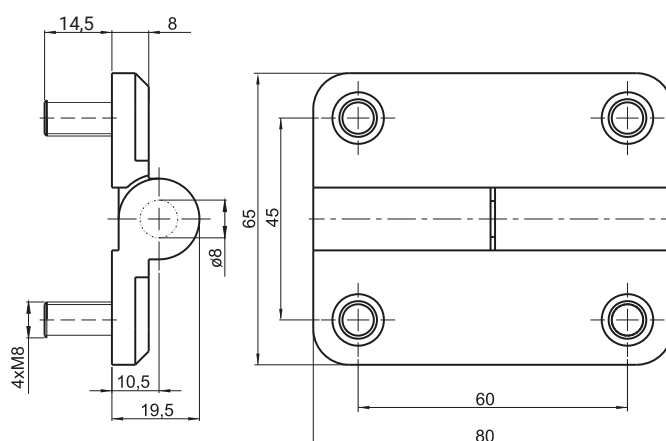
3.ZN67.004



VERSION RIGHT

3.ZN67.001

3.ZN67.003



* possibility to order stainless steel pin.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN67.001*	Holder, Base	ZAMAK 5	04	-
3.ZN67.002*	Pin	Steel zinc plated		
3.ZN67.003*	Holder, Base	ZAMAK 5	-	05
3.ZN67.004*	Pin	Steel zinc plated		

How to order:

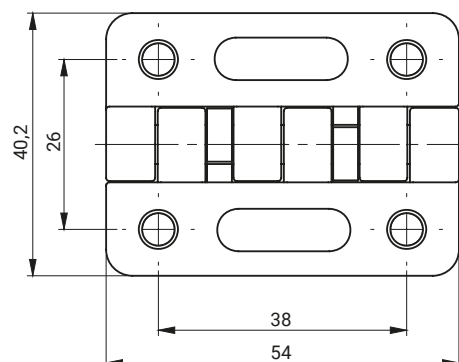
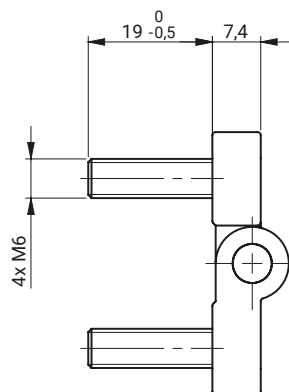
Catalogue number

Finish

3.ZN67.001

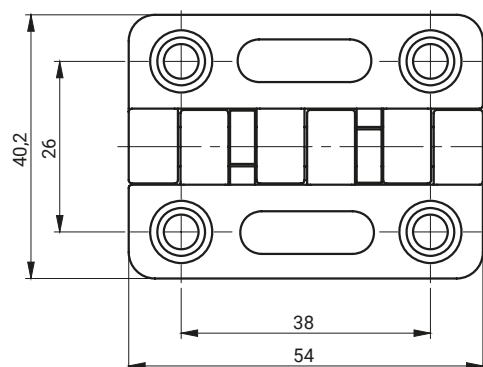
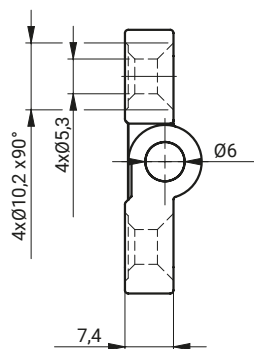
C

Hinge 3.543



Type	Friction torque
3.543.001	47kg.cm $\pm$ 15%
3.543.002	12kg.cm $\pm$ 15%

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.543.001	Holder, Base	ZAMAK5	04
3.543.002	Pin	Stainless steel	-



Type	Friction torque
3.543.101	47kg.cm $\pm$ 15%
3.543.102	12kg.cm $\pm$ 15%

Hinges with linear course of frictional resistance.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.543.101	Holder, Base	ZAMAK5	04
3.543.102	Holder, Base	ZAMAK5	04

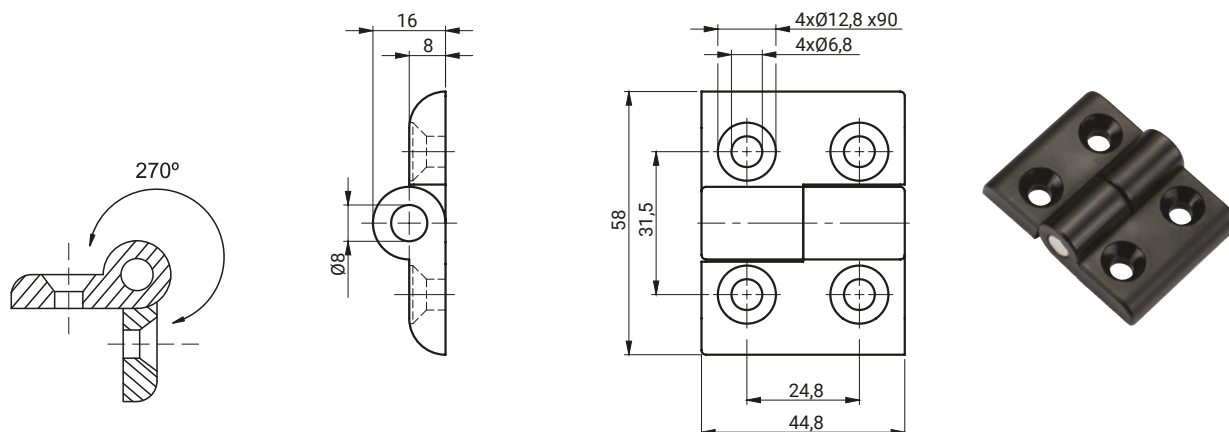
How to order:

Catalogue number

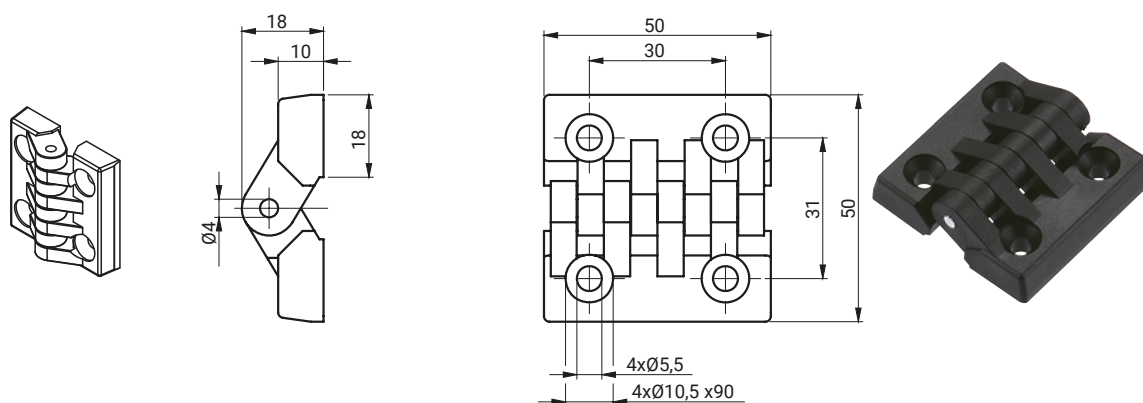
Finish

3.543.001

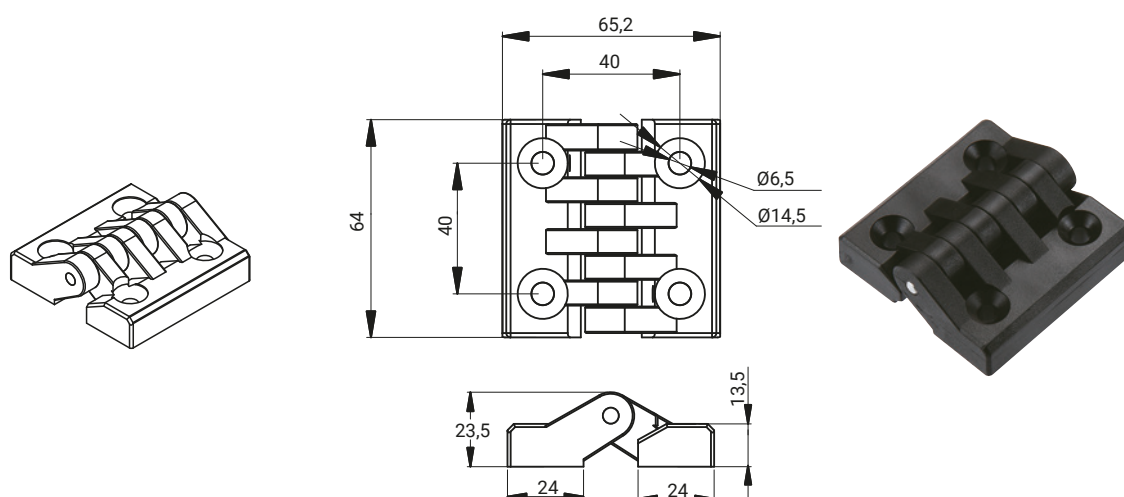
C



CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL	FINISH [C]
				RAL 9005
3.544.001	Right	Holder, Base	Polyamide	07
3.544.002	Left			-



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.545.001	Holder, Base	Polyamide	07
	Pin	Steel zinc plated	-



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.545.002	Holder, Base	Polyamide	07
	Pin	Steel zinc plated	-

How to order:

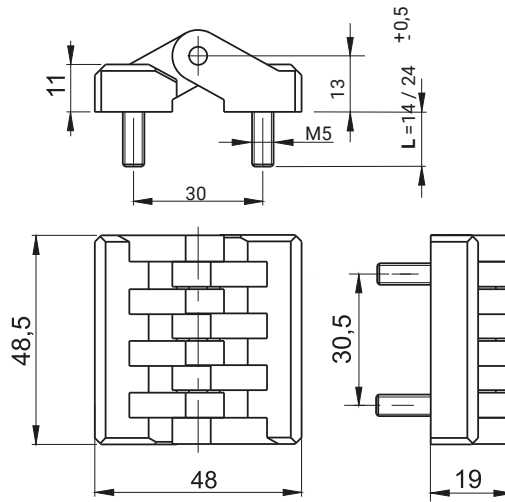
Catalogue number

Finish

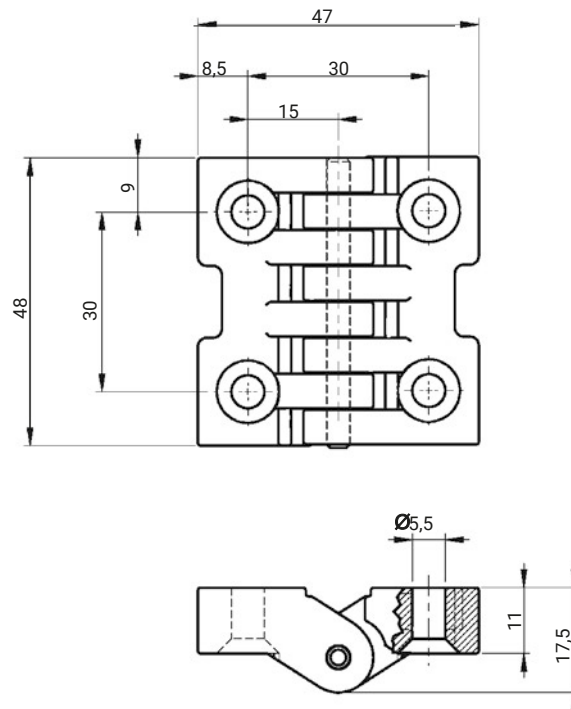
www.roztocze.eu

3.545.001

C



CATALOGUE NO.	DIMENSION L	COMPONENTS	MATERIAL	FINISH [C]
				RAL 9005
3.ZN48-PA.001	14	Holder, Base	Polyamide Pa6	07
3.ZN48-PA.101	24	Pin, Studs	Steel zinc plated	
3.ZN48-PA.102 SN	14	Holder, Base	Polyamide Pa6	
3.ZN48-PA.103 SN	24	Pin, Studs	Stainless steel	



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.527.001	Holder, Base	Polyamide	07	08
	Pin	Steel zinc plated		

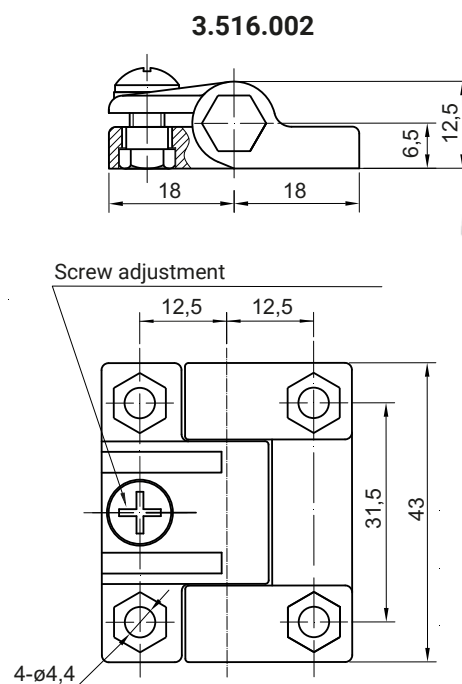
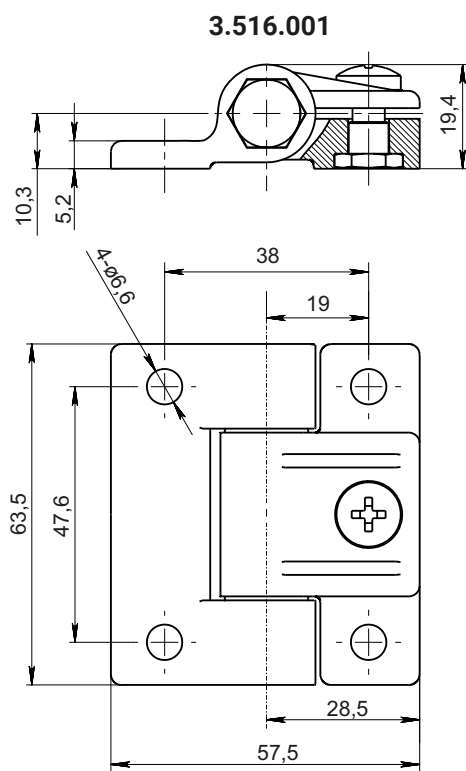
How to order:

Catalogue number

Finish

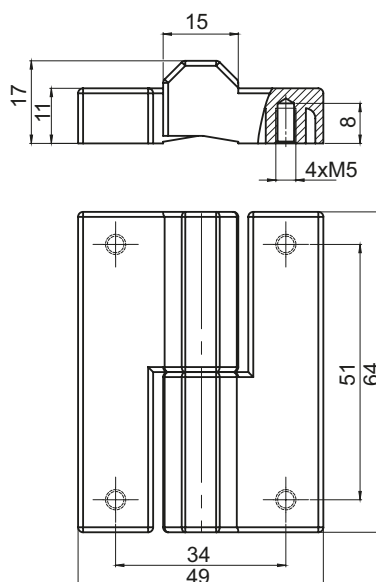
3.527.001

C



CATALOGUE NO.	Maximum Working Torque
3.516.001	2.5N.m
3.516.002	0.7N.m

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.516.001	Holder, Base	Polyamide	07
3.516.002	Pin	Polycarbonate	-

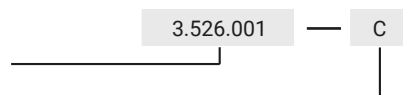


CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL	FINISH [C]		
				Chrome	RAL9005	RAL7035
3.526.001	RIGHTS	Holder, Base	ZAMAK 5	01	04	05
3.526.002	LEFT	Pin	Steel zinc plated			

How to order:

Catalogue number

Finish



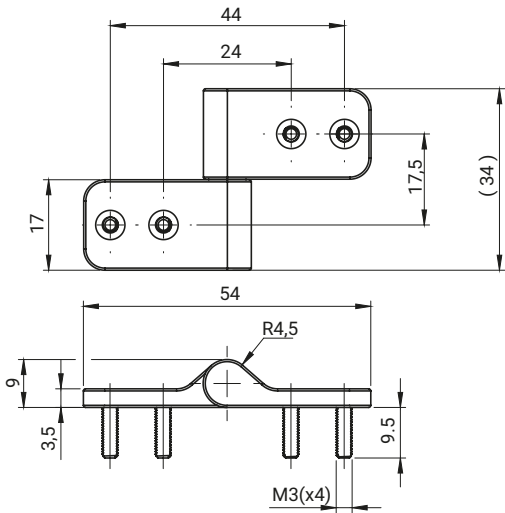
Hinge 3.572



VERSION
A



VERSION
B



* Nominal torque deviation: ±20% at 10,000 cycles.

CATALOGUE NO.	VERSION	TORQUE	COMPONENTS	MATERIAL	FINISH [C]	
					RAL9005	RAL7035
3.572.001	A	0,45 Nm*	Holder, Base	ZAMAK 5	04	05
3.572.101	B					
3.572.002	A	0,65 Nm*				
3.572.102	B					
3.572.003	A	0,85 Nm*	Pin	Steel zinc plated		
3.572.103	B					

How to order:

Catalogue number

Finish

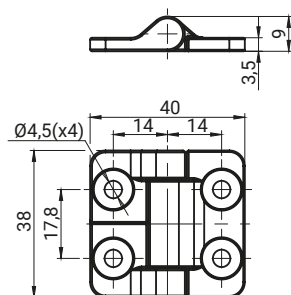
3.572.001

C

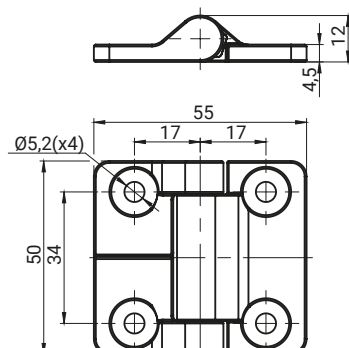
NEW

Hinge with constant torque

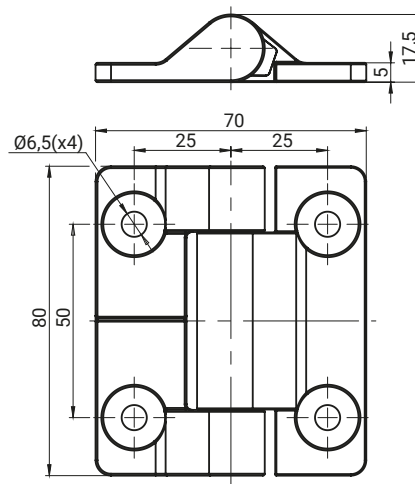
3.573.00X



3.574.00X



3.575.00X



Example of hinge selection:

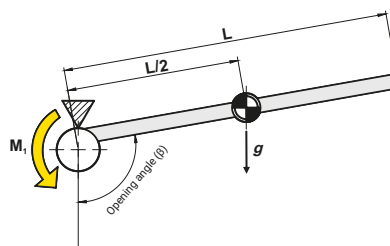
Opening angle: $\beta = 120^\circ$ Door length: $L = 0.5 \text{ m}$ Door weight: $m = 1.5 \text{ kg}$ Acceleration due to gravity: $g = 9.81 \text{ m/s}^2$ Torque: $M = 1.4 \text{ Nm}$ Number of hinges: $n = ?$

Formula

$$M = \left(\frac{L * m * g * \sin \beta}{2} \right)$$

Result:

1.86 Nm = 2 HINGES

* Nominal torque deviation: $\pm 20\%$ at 10,000 cycles.

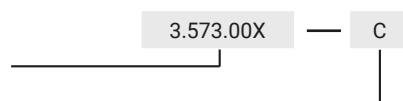
CATALOGUE NO.	TORQUE	CATALOGUE NO.	TORQUE	CATALOGUE NO.	TORQUE
3.573.001	0,9 Nm	3.574.001	1,8 Nm	3.575.001	2,5 Nm
3.573.002	1,4 Nm	3.574.002	2,3 Nm	3.575.002	4 Nm
3.573.003	1,8 Nm	3.574.003	3,4 Nm	3.575.003	5 Nm
				3.575.004	7,5 Nm
				3.575.005	9 Nm

COMPONENTS	MATERIAL	FINISH [C]	
		RAL9005	RAL7035
Base, Cover	ZAMAK 5	04	05

How to order:

Catalogue number

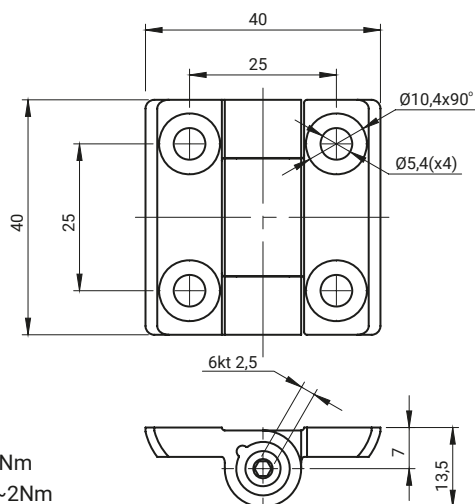
Finish



NEW

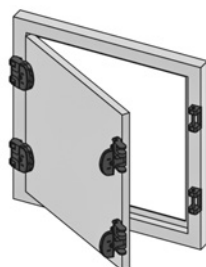
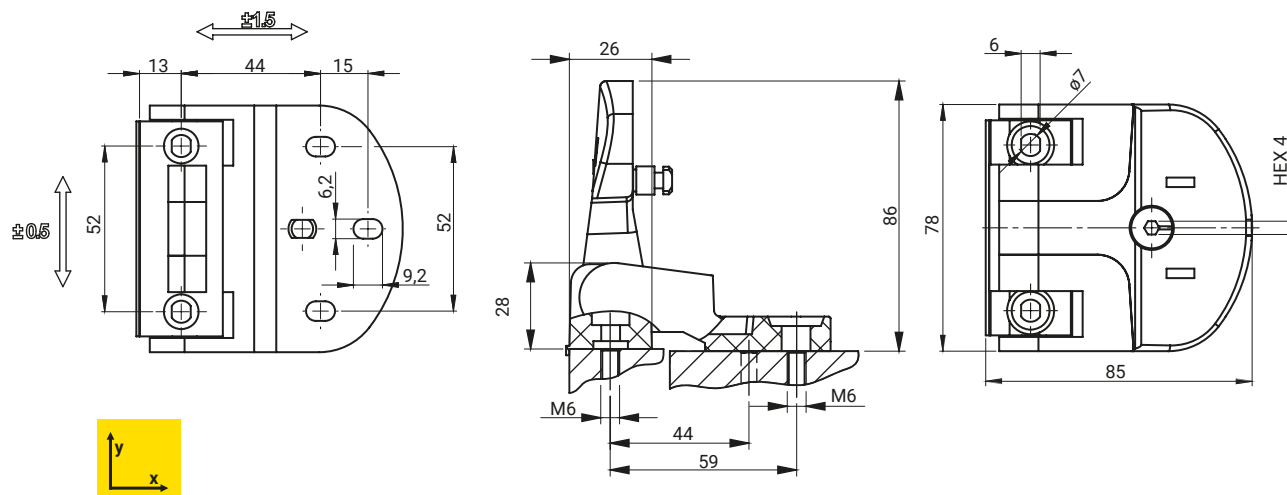


Hinge with adjustable torque

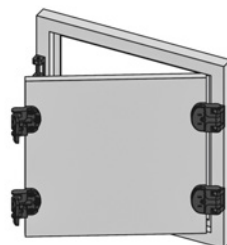


Max. screw tightening torque - 0.5 Nm
 Torque at max. screw tightening - ~2Nm

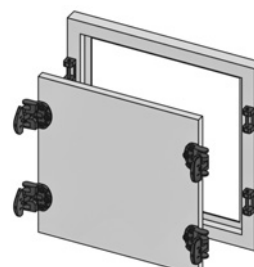
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL9005
3.570.001	Base, Cover	ZAMAK 5	04



Opening the left



Opening the right



Removing the door

CATALOGUE NO.	DETAIL	MATERIAL	FINISH [C]
			RAL 9005
3.ZN200.001	Hinge with lock function	Polyamide	07

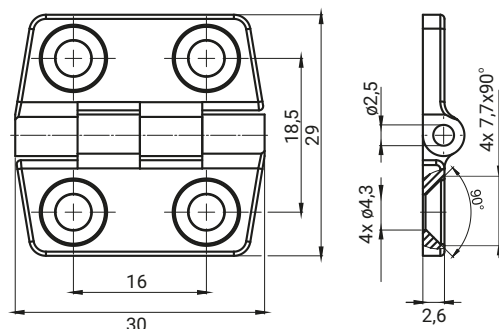
How to order:

Catalogue number

Finish

3.ZN200.001

07



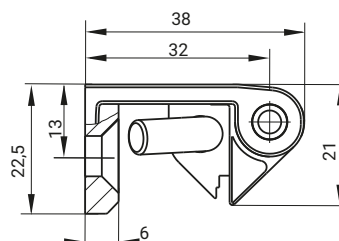
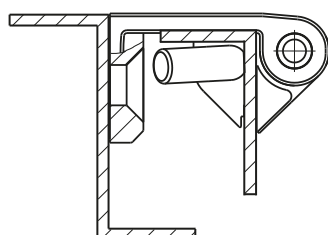
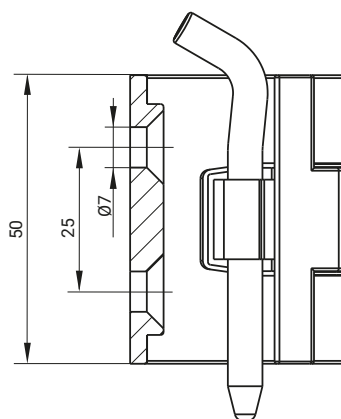
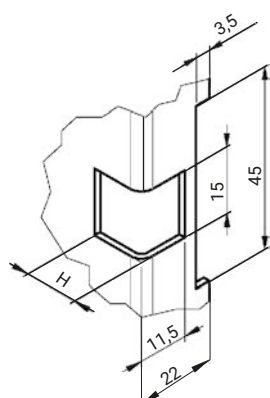
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN10.001	Holder, Base,	ZAMAK5	04
	Pin	Steel zinc plated	

How to order:

Catalogue number

Finish

3.ZN10.001 — 04



H [mm]	APPLICATION
13	only sheets 1,5 mm
15	only sheets 2 mm

* possibility to order stainless steel pin.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]		
			Chrome	RAL 9005	RAL 7035
3.ZN105.001*	Holder, Base	ZAMAK 5	01	04	05
	Pin	Steel zinc plated			

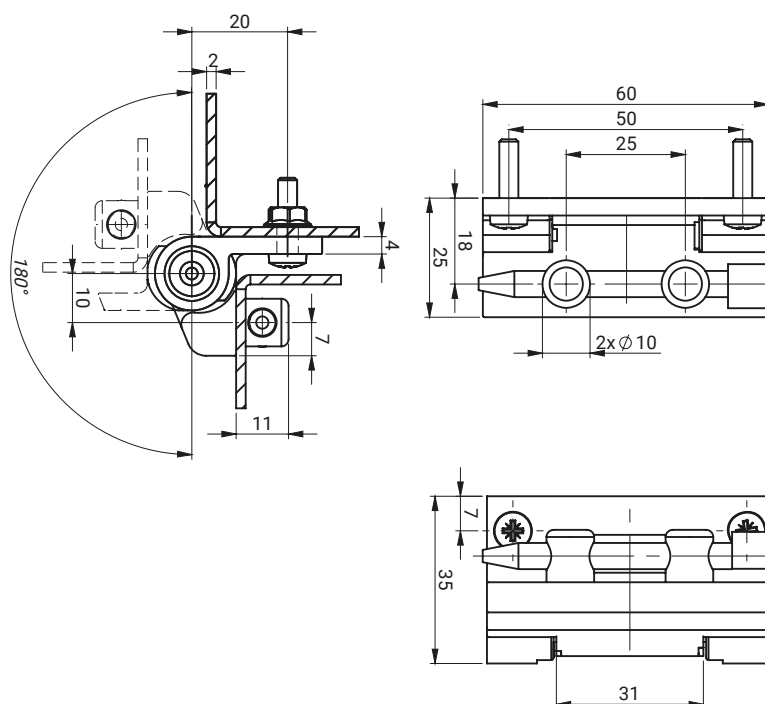
How to order:

Catalogue number

Finish

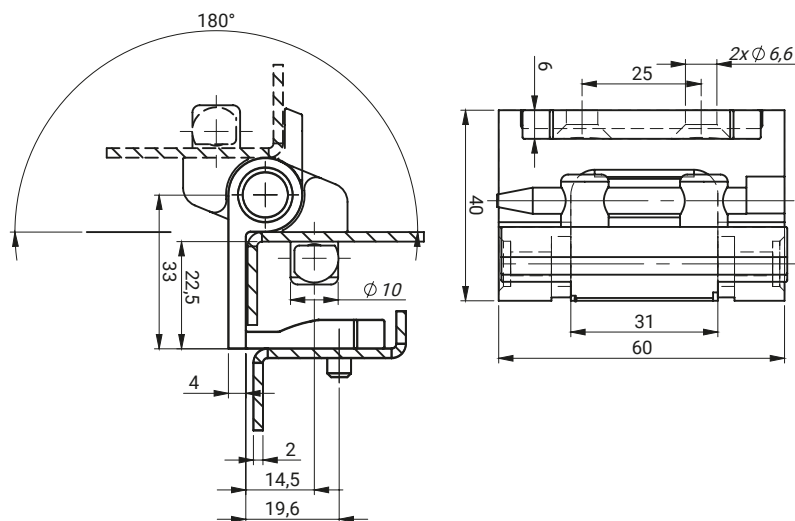
3.ZN105.001 — C

Hinge 3.529, 3.530



* possible to order stainless steel pin.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL 9005
3.529.001*	Holder, Base	ZAMAK 5	01	04
	Pin	Steel zinc plated*		



** possible to order polyamide pin.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL 9005
3.530.001**	Holder, Base	ZAMAK 5	01	04
	Pin	Steel zinc plated		

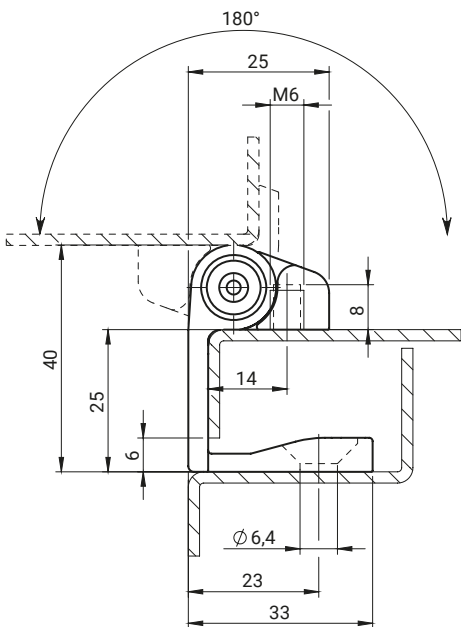
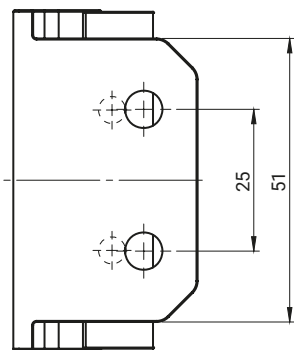
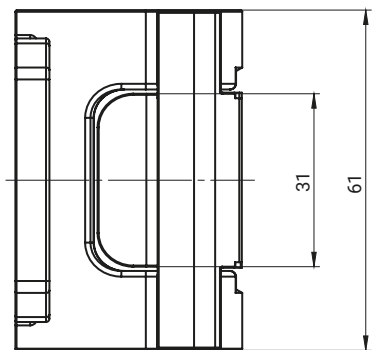
How to order:

Catalogue number

Finish

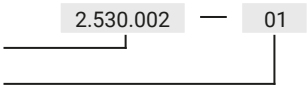
3.530.001

C

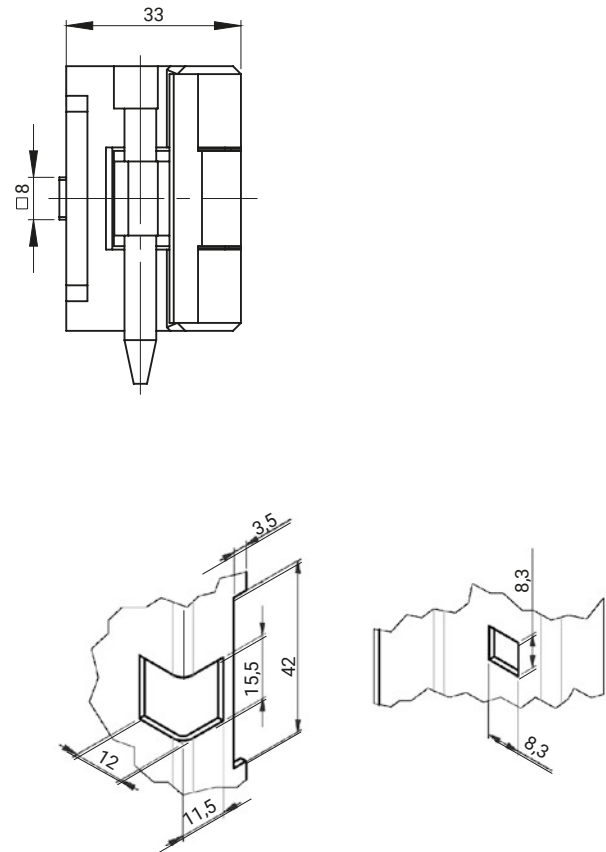
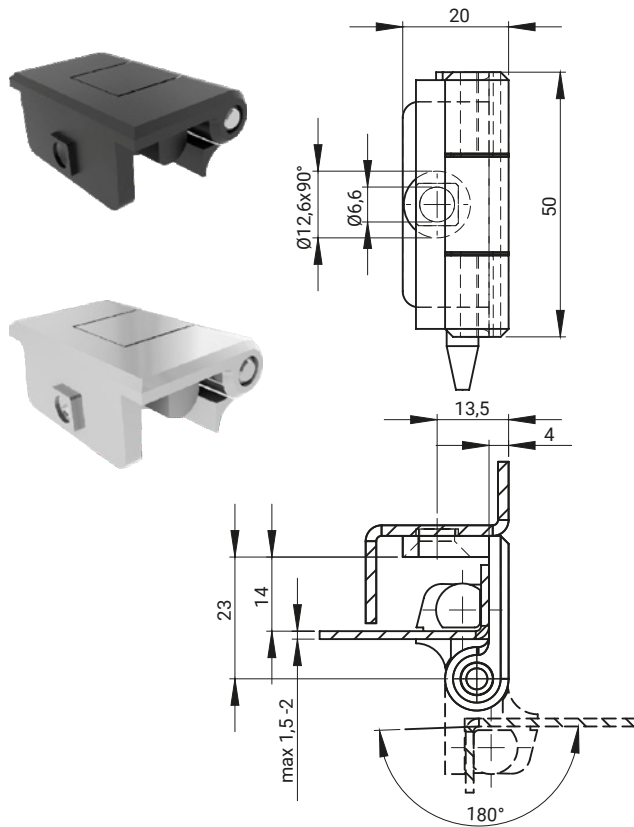


CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL 9005
3.530.002	Holder, Base	ZAMAK 5	01	04
	Pin	Polyamide	-	-

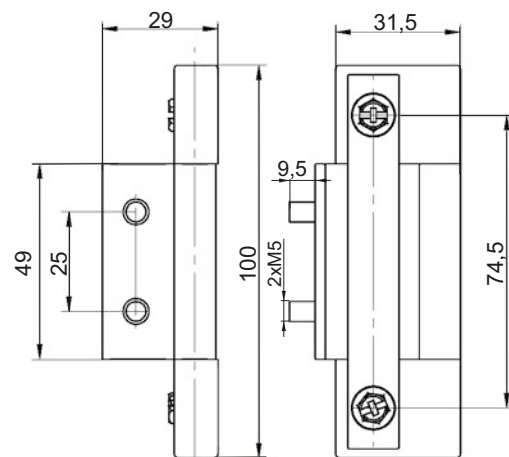
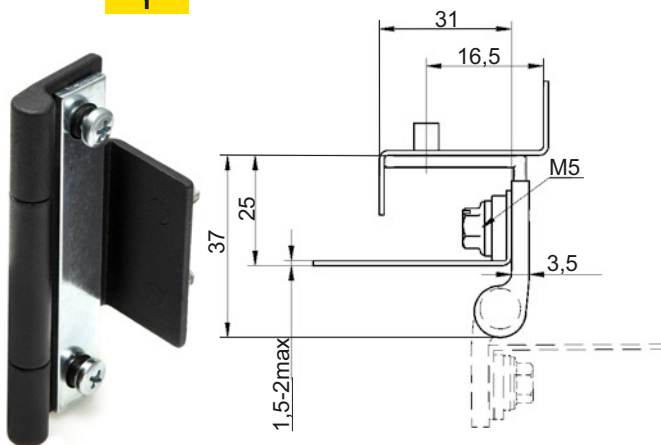
How to order:
Catalogue number
Finish [C]



Hinge 3.532, 3.536



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL 9005
3.532.001*	Holder, Base	ZAMAK 5	01	04
	Pin	Steel zinc plated		



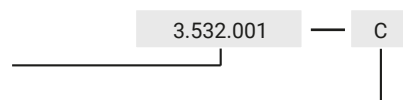
* possibility to order with polyamide pin

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL 9005
3.536.001	Holder	ZAMAK 5	01	04
	Base	Steel zinc plated		

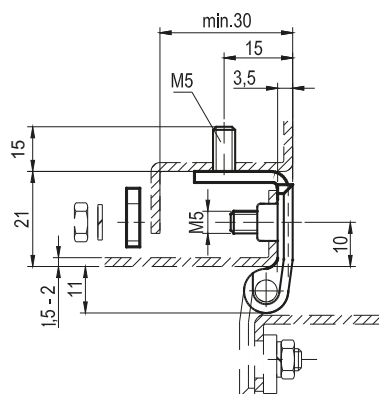
How to order:

Catalogue number

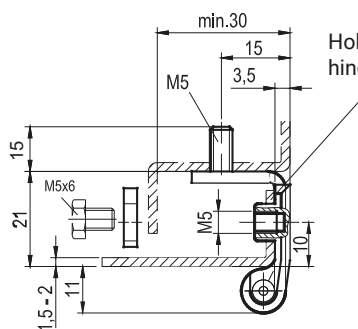
Finish



3.ZN120.001



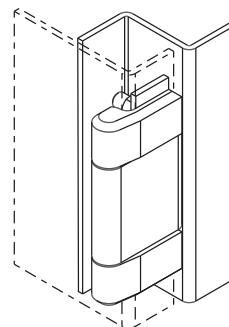
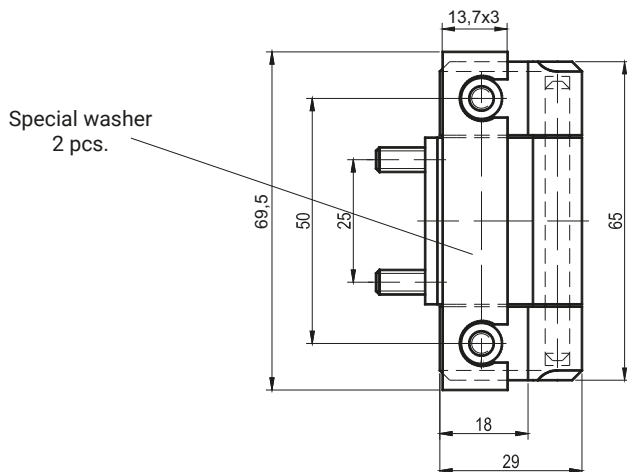
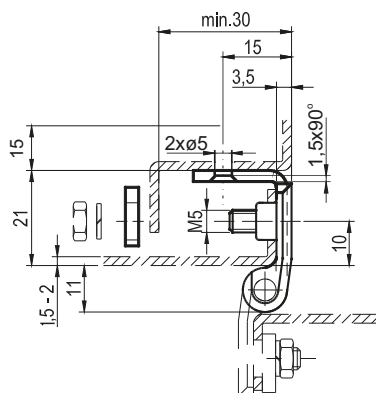
3.ZN120.002



Hole for installing the hinge Ø 9,2 mm



3.ZN120.005



Note:
When using the hinge to sheet a thickness of 1 mm, should order special washer having a thickness of 1 mm

CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL	FINISH [C]	
				RAL 9005	RAL 7035
3.ZN120.001	Stud M5	Holder	ZAMAK 5	04	05
3.ZN120.002	Hole M5	Pin, Base	Steel zinc plated		
3.ZN120.005	Hole M5	Pin, Base	Steel zinc plated		

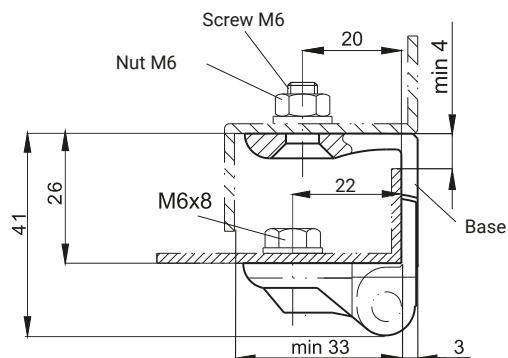
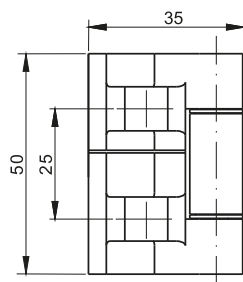
How to order:

Catalogue number

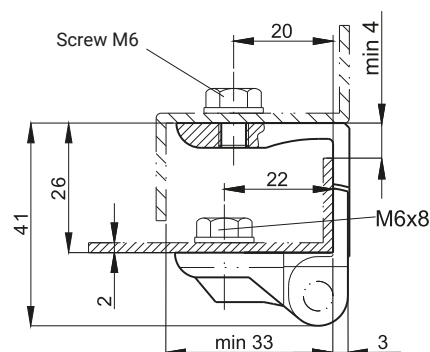
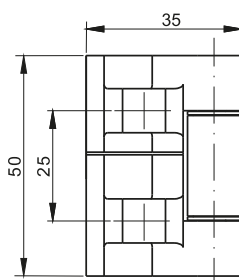
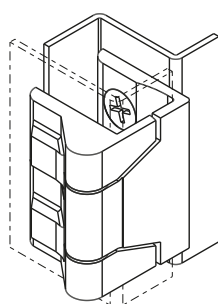
Finish

3.ZN120.001 — C

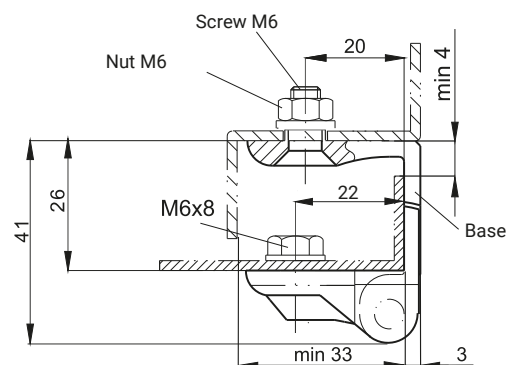
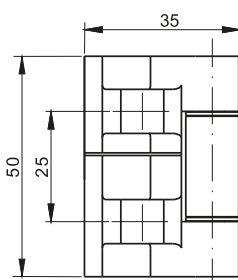
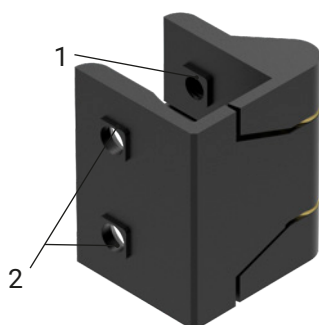
Hinge 3.ZN130



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN130.001	Holder	ZAMAK 5	04	05
	Base	ZAMAK 5		
	Pin	Steel zinc plated		



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN130.002	Holder	ZAMAK 5	04	05
	Base	ZAMAK 5		
	Pin	Steel zinc plated		



1. Holder with shoulder □ 8x1mm in standard version
 2. Base with shoulder □ 8x1mm in version 3.ZN130.003

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN130.003	Holder	ZAMAK 5	04	05
	Base	ZAMAK 5		
	Pin	Steel zinc plated		

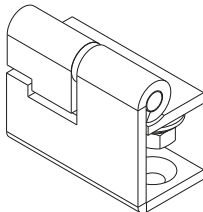
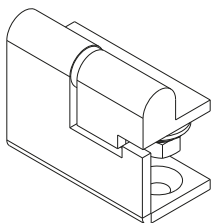
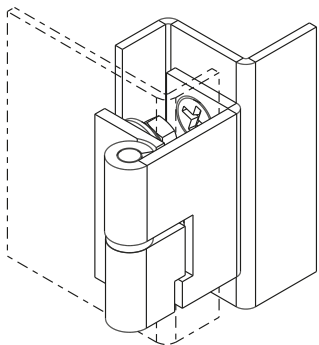
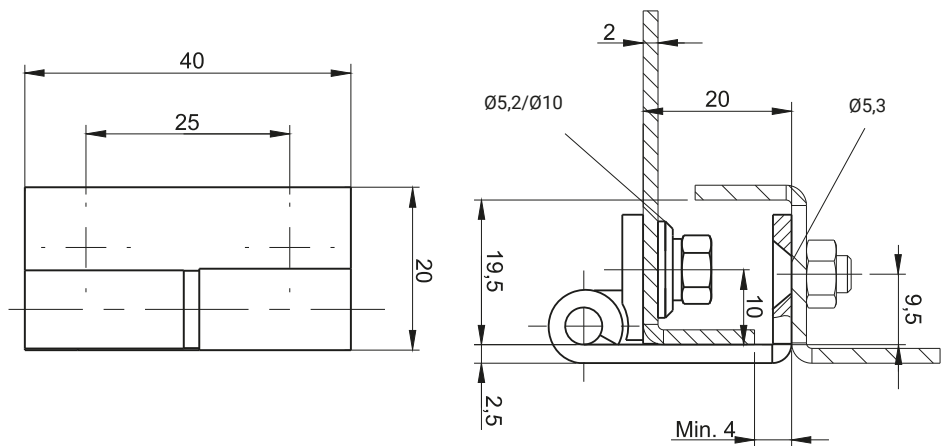
How to order:

Catalogue number

Finish

3.ZN130.001

C



3.ZN140.001
RIGHT VERSION

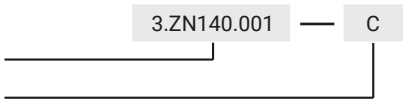
3.ZN140.002
LEFT VERSION

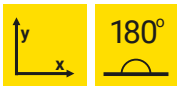
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ZN140.001	Holder	Brass	04	05
	Base	Steel zinc plated		
	Pin	Steel zinc plated		
3.ZN140.001SN	Holder, Base, Pin	Stainless steel	-	-
3.ZN140.002	Holder	Brass	04	05
	Base	Steel zinc plated		
	Pin	Steel zinc plated		
3.ZN140.002SN	Holder, Base, Pin	Stainless steel	-	-

How to order:

Catalogue number

Finish

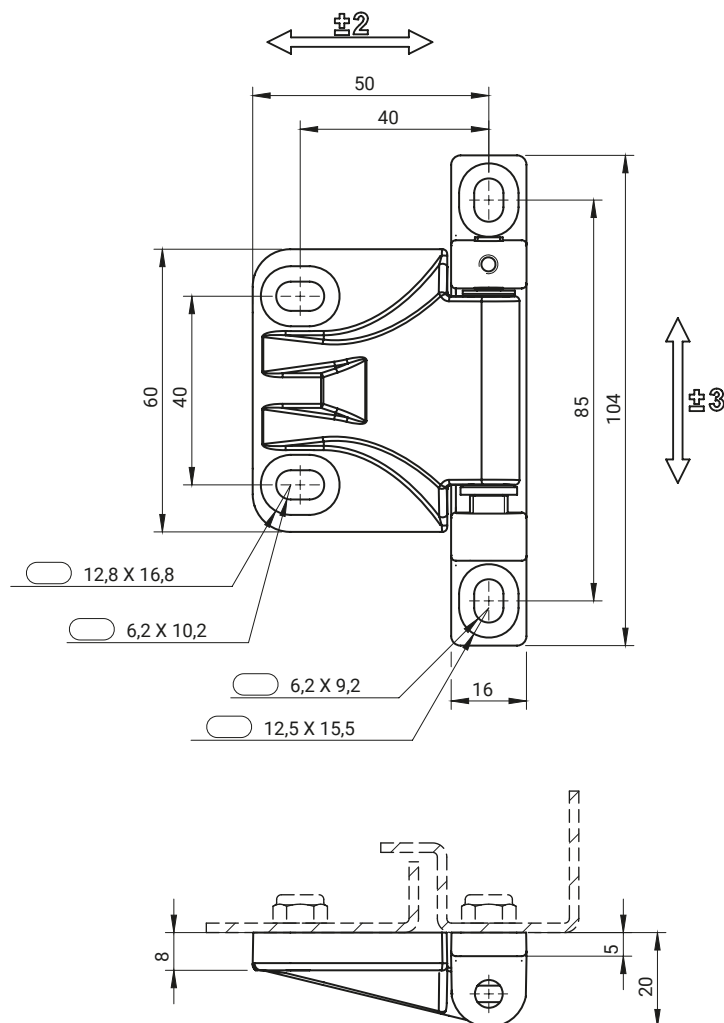




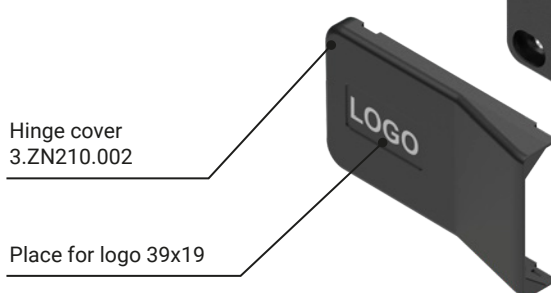
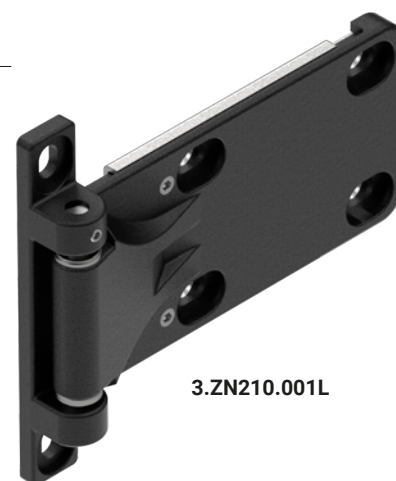
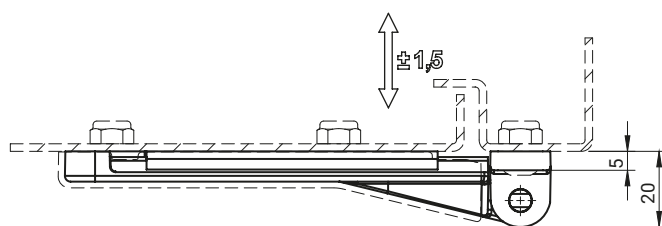
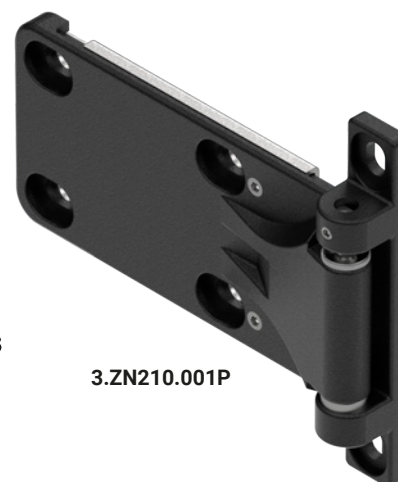
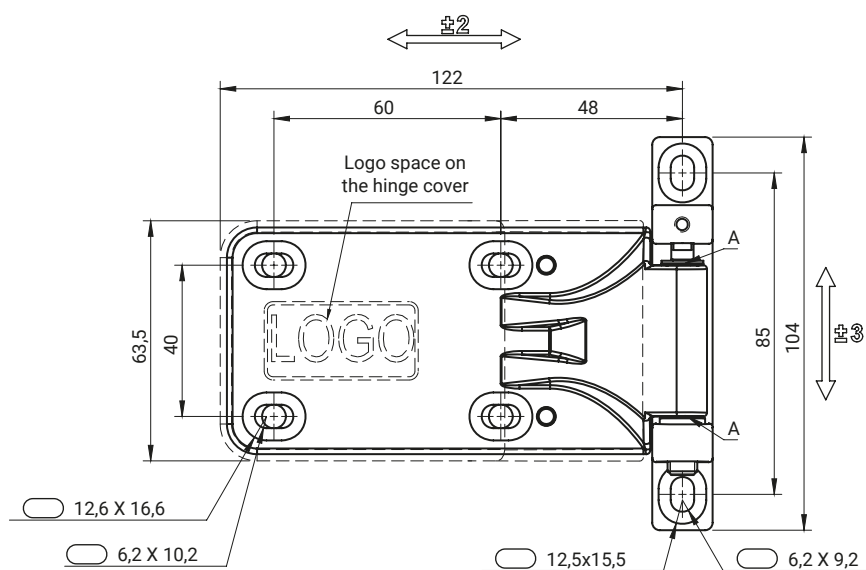
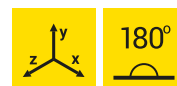
3.ZN210.003P



3.ZN210.003L



CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL	FINISH [C]
				RAL 9005
3.ZN210.003P	Right	Holder, Base	ZAMAK 5	04
3.ZN210.003L	Left	Pin	Stainless steel	-



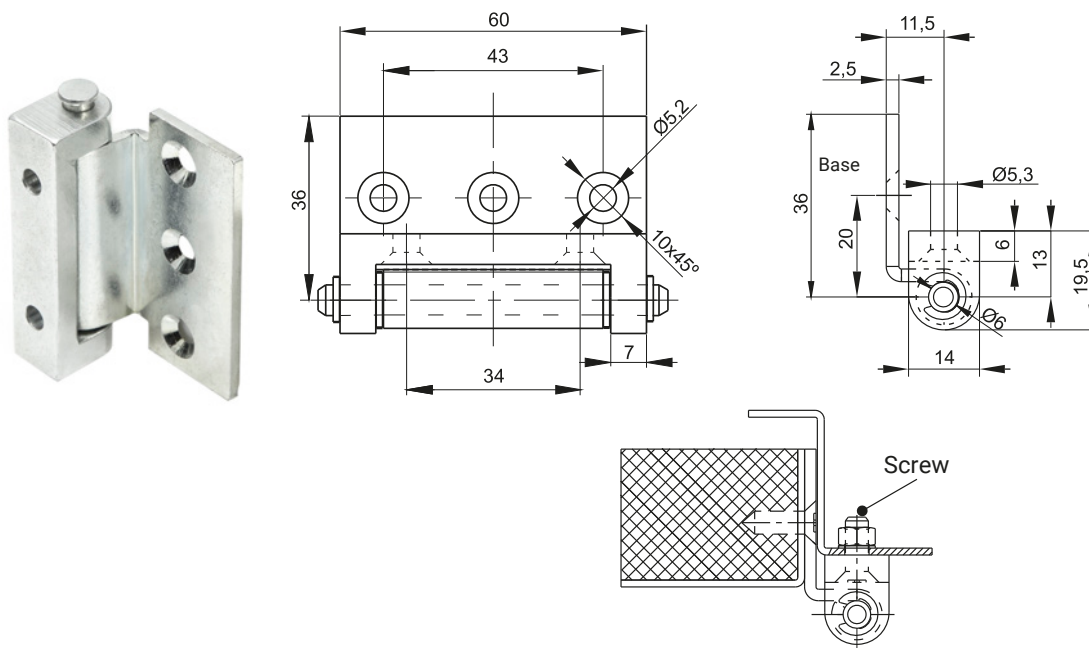
A - axis of the hinge with plastic sleeves.

The hinge position can be adjusted in three axes - the adjustment ranges are shown in the drawing.

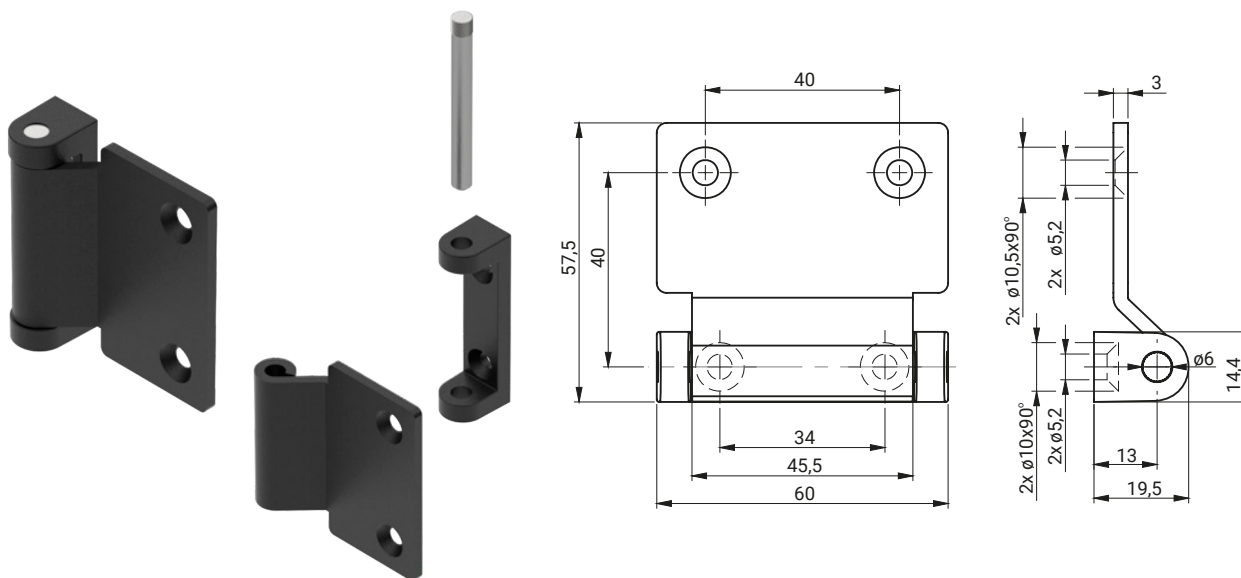
Hinge cover 3.ZN210.002 to be ordered separately.

CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL	FINISH [C]
				RAL 9005
3.ZN210.001P	Right Left	Holder, Base	ZAMAK 5	04
3.ZN210.001L		Pin	Stainless steel	-
3.ZN210.002	Hinge cover		Polyamide	07

Hinge 3.ST42



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST42.001	Holder	Steel zinc plated
	Base	ZAMAK 5
	Pin	Steel zinc plated

**Note:**

The hinge supplied as separate parts, handle with foot joint by pushing the pin after mounting the handle.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ST42.005	Holder	Steel zinc plated	04
	Base	ZAMAK5	
	Pin	Stainless steel	-
3.ST42.005SN	Holder	Stainless steel	04
	Base	ZAMAK5	
	Pin	Stainless steel	-

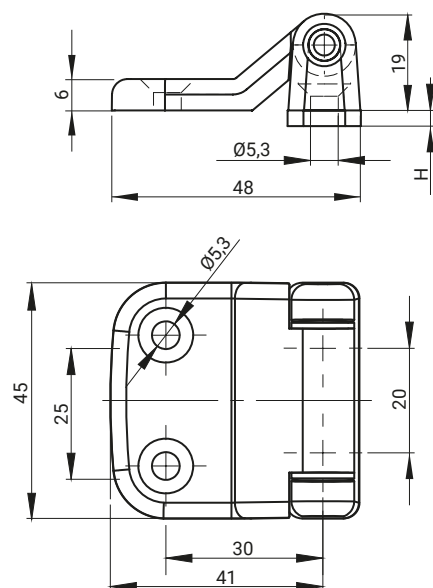
How to order:

Catalogue number

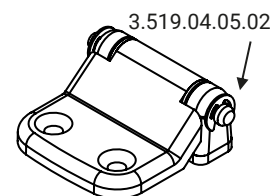
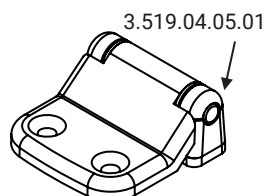
Finish

3.ST42.005

C



Height H adjusted by distance rings



Bolt version	Z
Knurled pin	01
Pin with groove for circlip (included)	02

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL9005
3.519.C.X.Z	Holder, Base	ZAMAK 5	01	04
	Pin	Stainless steel	-	-
	Sleeve	POM	-	-

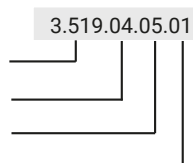
How to order :

Hinge code

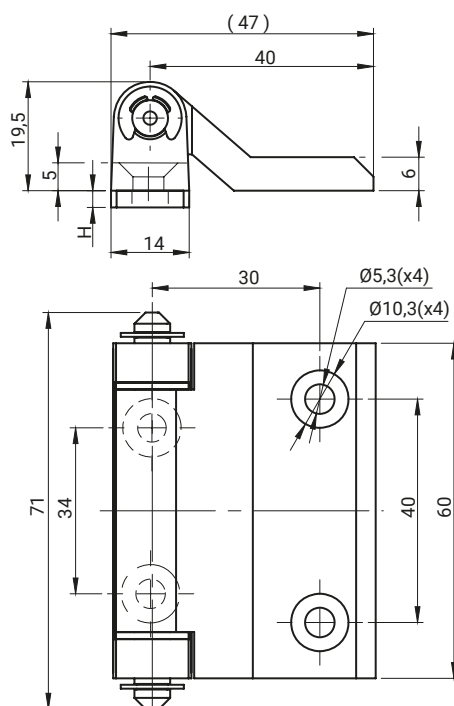
Finish

Height H

Bolt version



H [mm]	0	3	5	8	10	15
X	00	03	05	08	10	15

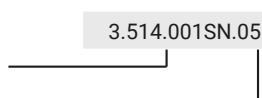


CATALOGUE NO.	COMPONENTS	MATERIAL
3.514.001SN	Holder, Base, Pin	Stainless steel (AISI 316)

How to order :

Catalogue number

Height H [X]

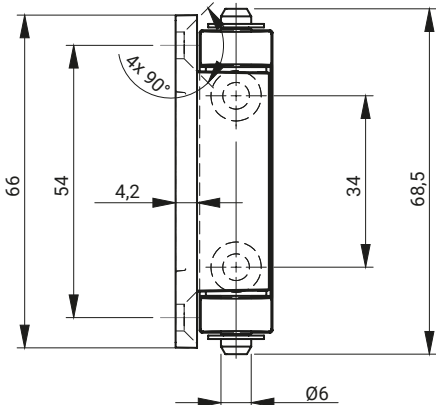


H [mm]	0	3	5	8	10	15
X	00	03	05	08	10	15

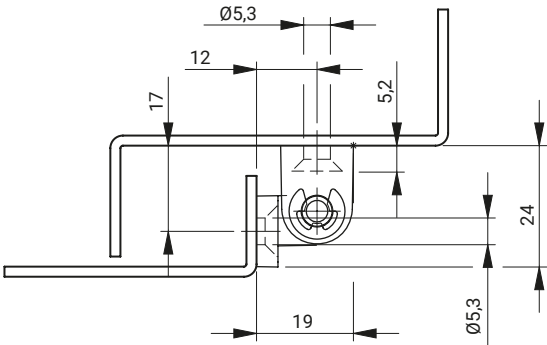
Hinge 3.531



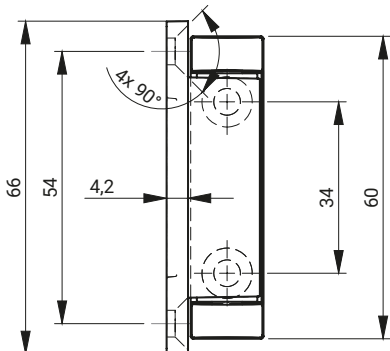
3.531.001



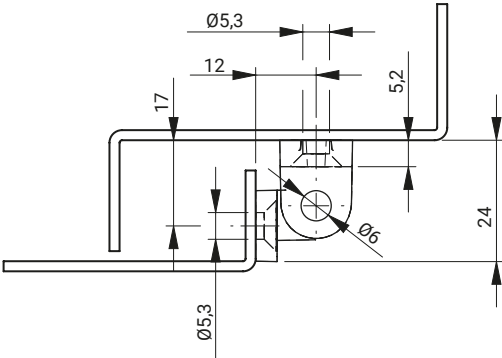
Insert fastening
Collecting plate



3.531.002



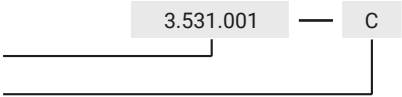
Insert fastening
Knurled

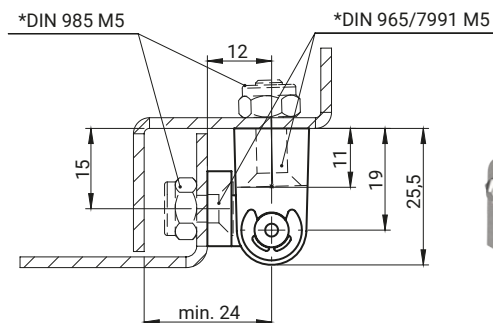
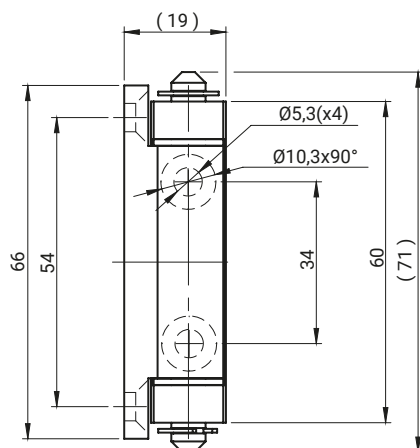


CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL9005
3.531.001	Holder, Base	ZAMAK 5	01	04
3.531.002	Pin	Steel zinc plated		

How to order:

Catalogue number
Finish



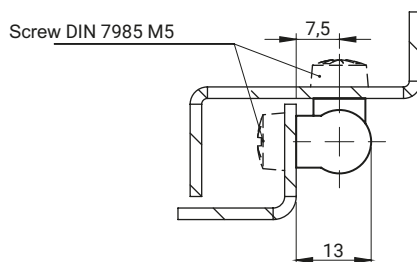
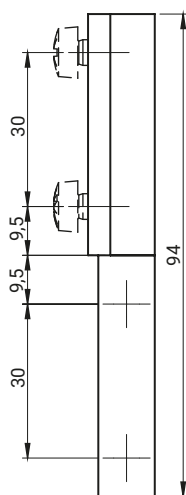


NEW

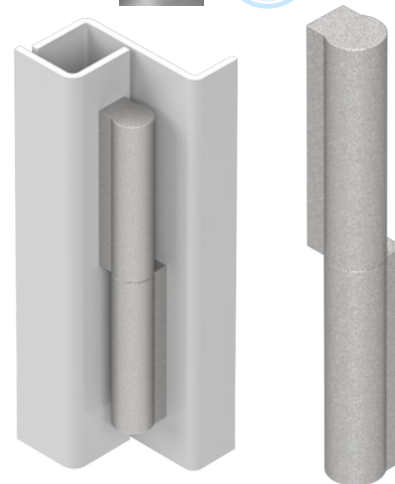


* not included in the scope of delivery.

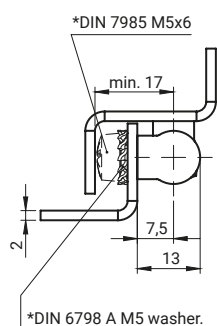
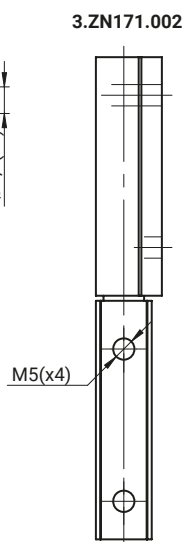
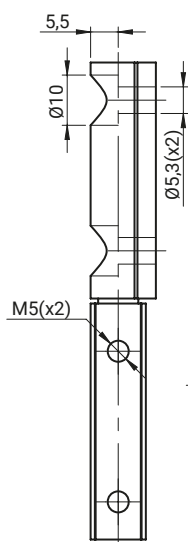
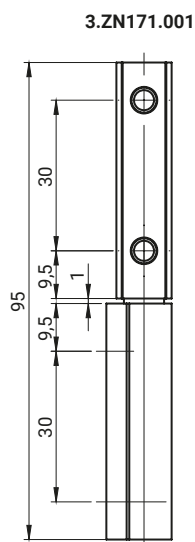
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
3.515.001SN	Holder, Base, Pin	Stainless steel (AISI 316)	-



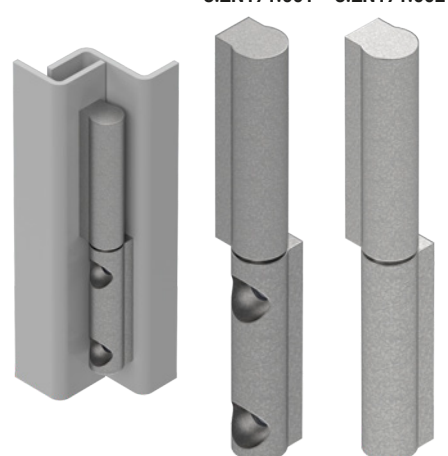
NEW



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
3.ZN170.001SN	Holder, Base, Pin	Stainless steel (AISI 316)	-



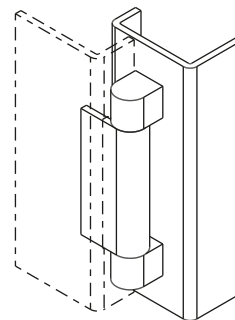
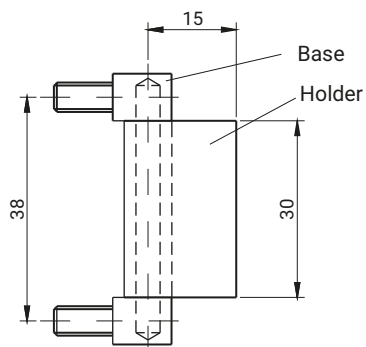
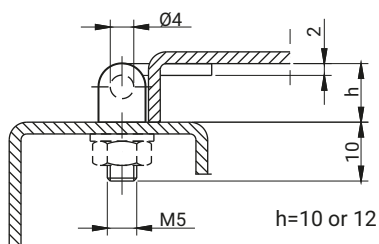
NEW



* not included in the scope of delivery.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
3.ZN171.001	Holder, Base	Steel zinc plated	-
3.ZN171.002	Holder, Base	Steel zinc plated	-

Hinge 3.ST23, 3.535



h [mm]	10	12
X	00	01

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST23.001	Holder	Uncovered steel
	Base, Pin	Steel zinc plated
3.ST23.001SN	Holder	Stainless steel
	Base, Pin	Stainless steel

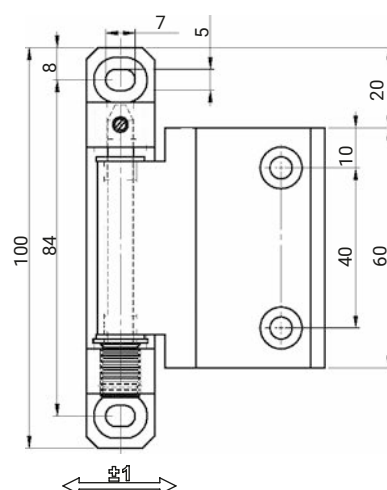
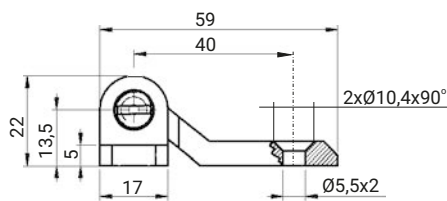
How to order:

Catalogue number

Height h

3.ST23.001

00



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL 9005
3.535.001	Holder	ZAMAK 5	01	04
	Base	ZAMAK 5		

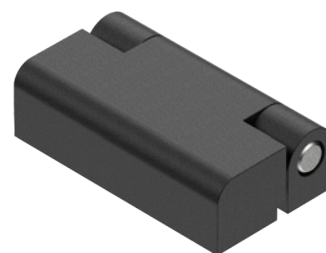
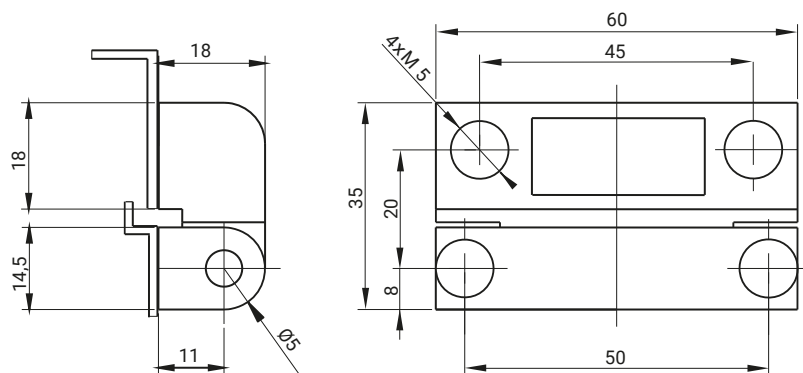
How to order:

Catalogue number

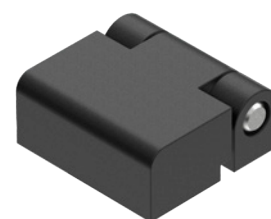
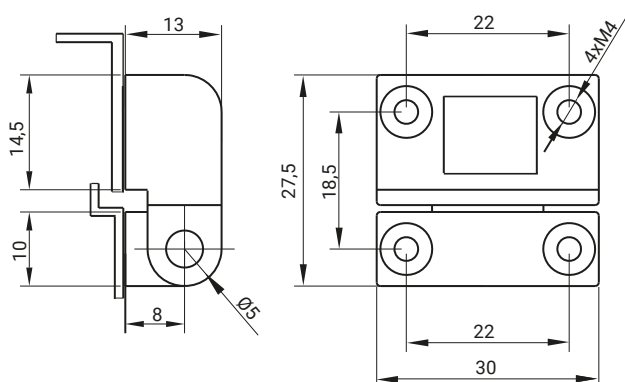
Finish

3.535.001

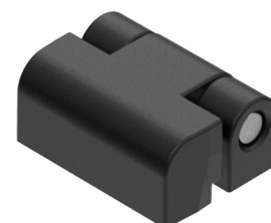
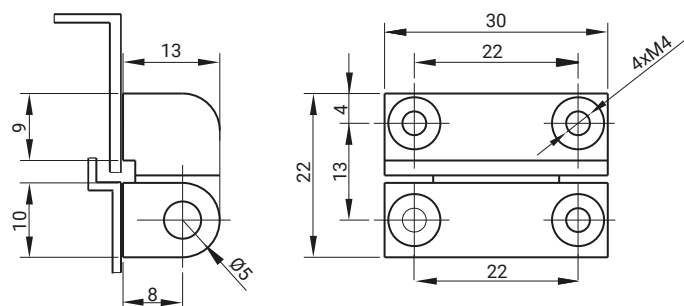
C



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Nickel	RAL9005
3.517.001	Holder, Base	ZAMAK 5	02	04
	Pin	Steel zinc plated	-	-



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Nickel	RAL9005
3.517.002	Holder, Base	ZAMAK 5	02	04
	Pin	Steel zinc plated	-	-



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Nickel	RAL9005
3.517.003	Holder, Base	ZAMAK 5	02	04
	Pin	Steel zinc plated	-	-

How to order:

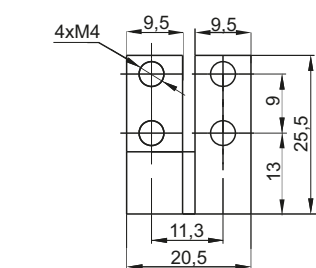
Catalogue number

Finish

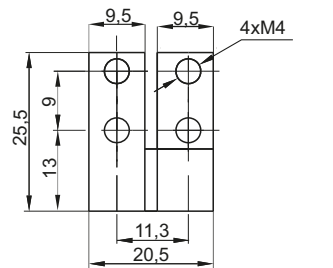
3.517.001

C

Hinge 3.518

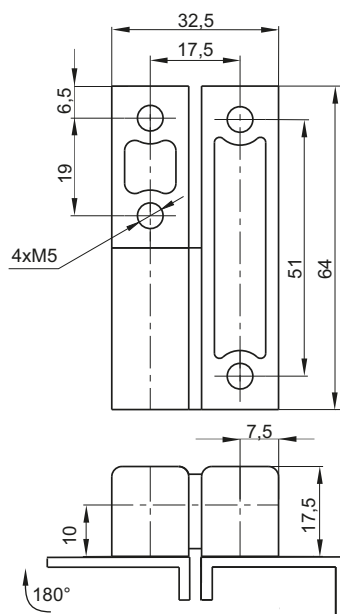


LEFT VERSION

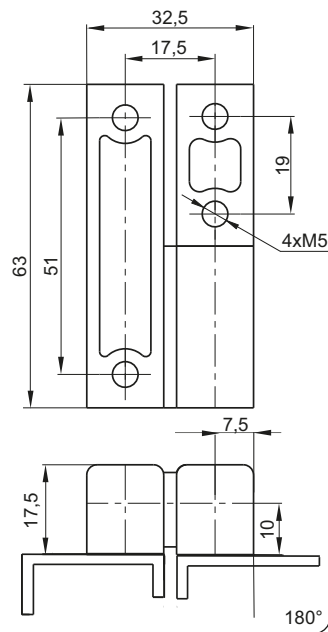


RIGHT VERSION

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.518.001	Holder, Base	Steel zinc plated	04
	Pin		



LEFT VERSION



RIGHT VERSION

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.518.002	Holder, Base	ZAMAK 5	04
	Pin	Steel zinc plated	

How to order:

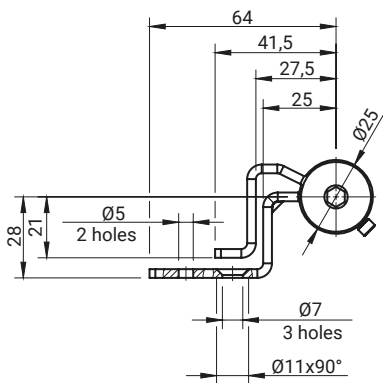
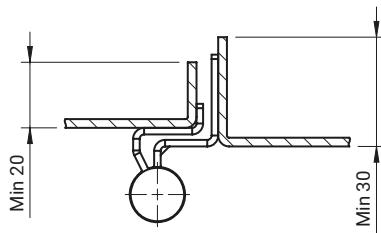
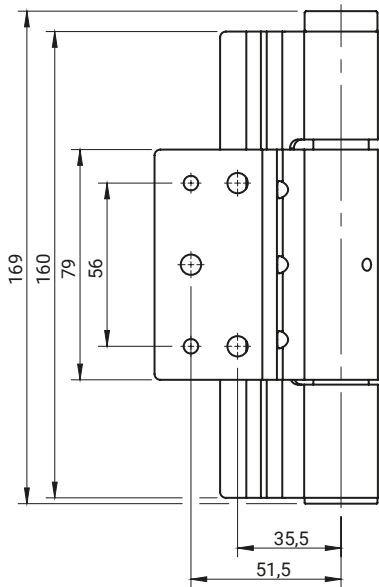
Catalogue number

Version X (L-left, R-right)

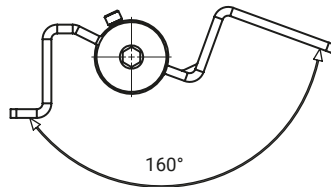
Finish

3.518.001.X

C



Closed position



Open position

CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST109.001-A	Spring hinge	Holder, Base, Pin	Steel zinc plated
3.ST109.001-B	KO hinge		

where:

3.ST109.001-A - spring hinge causing self-locking

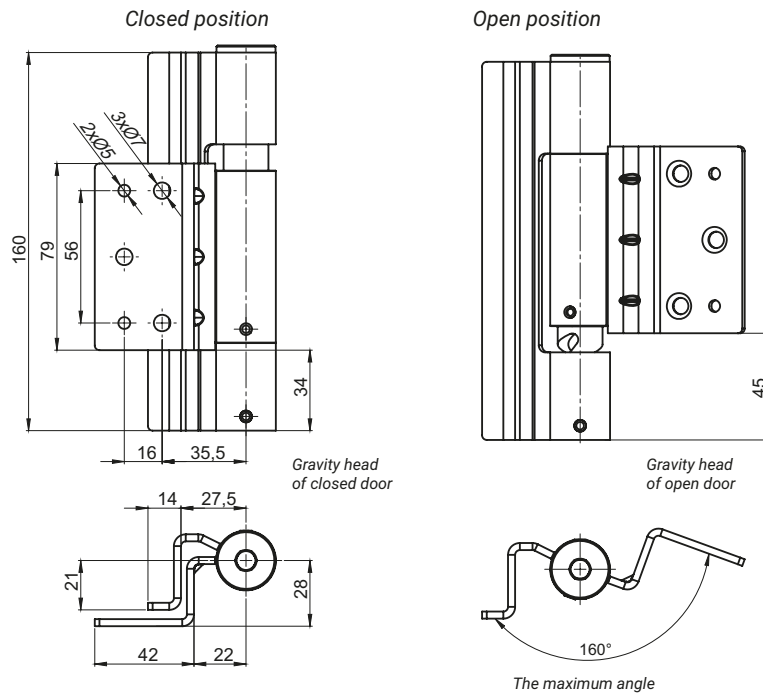
3.ST109.001-B - support hinge - without spring

Fire door hinge

3.ST109.003, 3.ST109.004

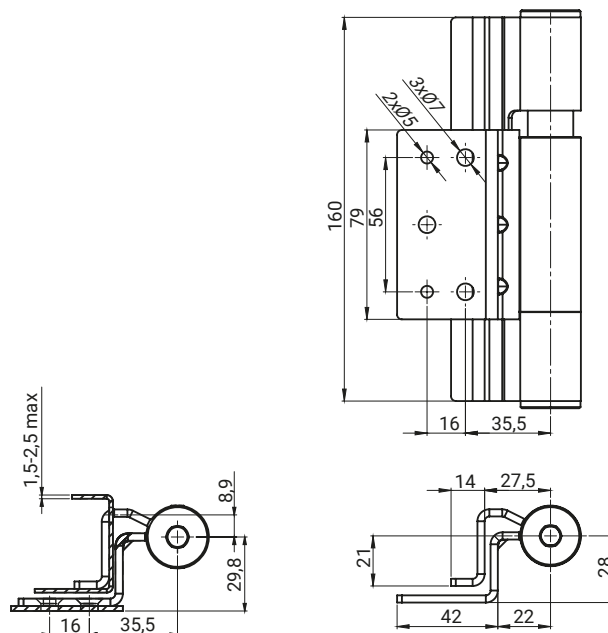
3.ST109.003-A

Right version



CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST109.003-A	Right	Handle, base	Steel zinc plated
3.ST109.003-B	Left		

Bearing hinge causes automatic door closure and lifting the door while opening.
 The set of hinges is **3.ST109.003 + 3.ST109.004** or two hinges **3.ST109.003**
 Left version is the mirror image of the right version.



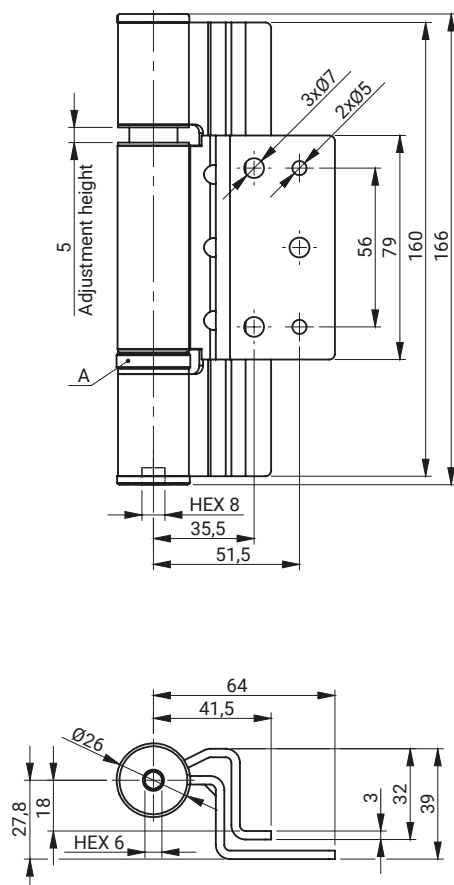
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST109.004	Handle, base	Steel zinc plated

The positioning hinge in door axis cooperates only with the hinge **3.ST109.003**

Fire door hinges with hight regulation on thread

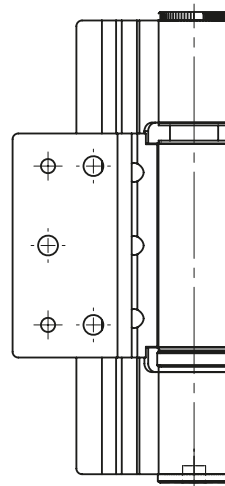
3.ST109.007-B

Left version



3.ST109.007-A

Right version



A - thrust bearing

Max. load: 80kg

Hinge welded to door frame and screwed into a door

Hinge 3.ST109.007 is compatible with spring hinge 3.ST109.001-A

CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST109.007-A	Right	Holder, Base, Pin	Steel zinc plated
3.ST109.007-B	Left		

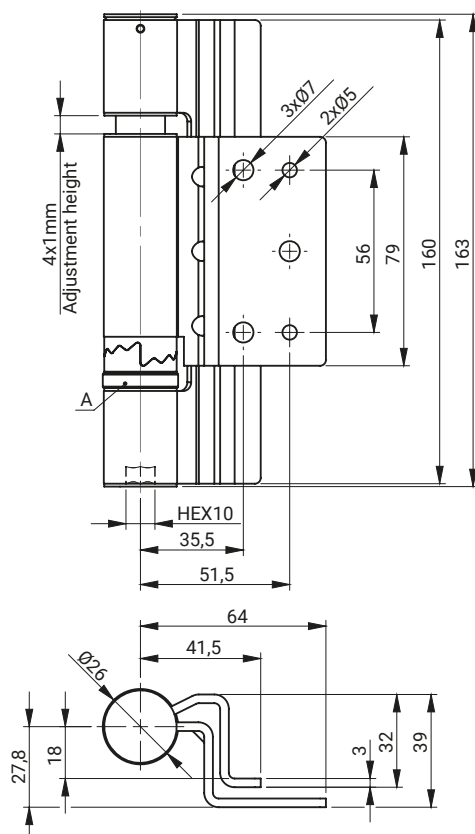
Hinge 3.ST109.009

Fire door hinges with height regulation



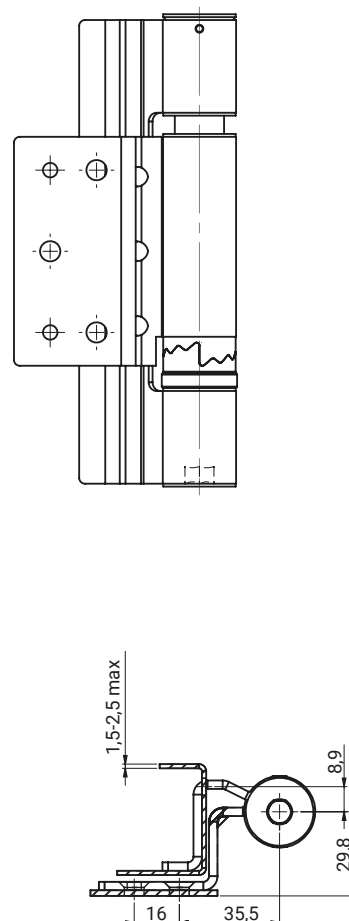
3.ST109.009-B

Left version



3.ST109.009-A

Right version



A - thrust bearing

Max. load: 80kg

Hinge welded to door frame and screwed into a door

4-stage height adjustment, each stage lifts or lowers the door of 1mm

Hinge 3.ST109.009 is compatible with spring hinge 3.ST109.001-A

CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST109.009-A	Right	Holder, Base, Pin	Steel zinc plated
3.ST109.009-B	Left		

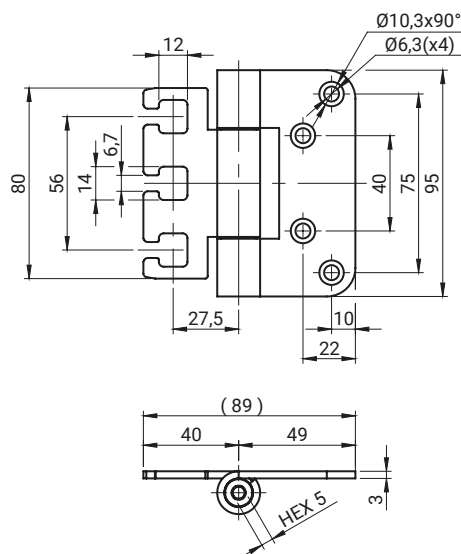
RST Roztocze
LOCKING SOLUTIONS

Index



Hinge 3.ST502, 3.ST503

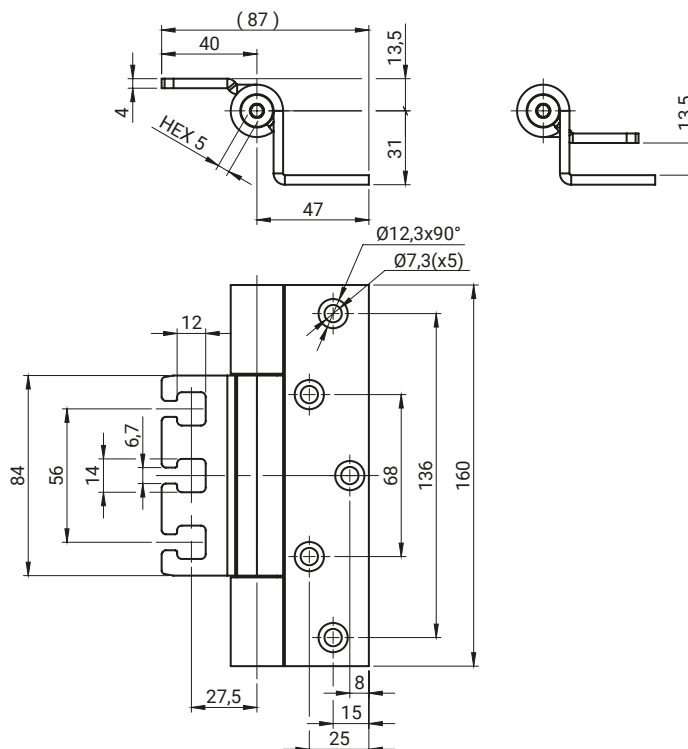
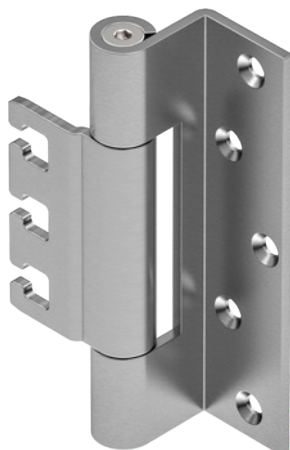
NEW

stainless
steel

The hinge with 3D adjustment vertically and horizontally ± 3.0 mm works with the cassette (3.ST500.001 or 3.ST500.002) with page 3A-76 mounted to the frame.

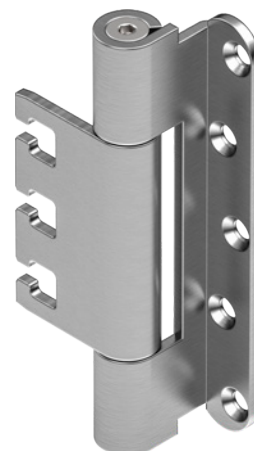
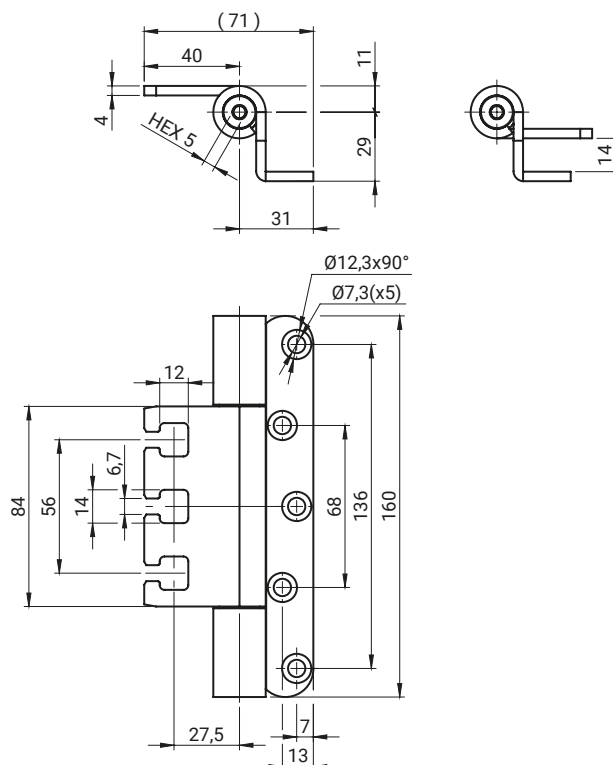
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST502.001	Base, Cover	Stainless steel

NEW

stainless
steel

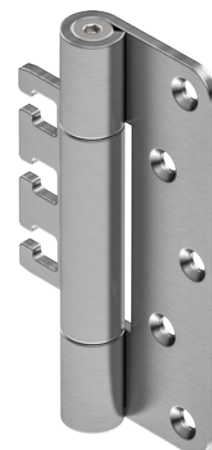
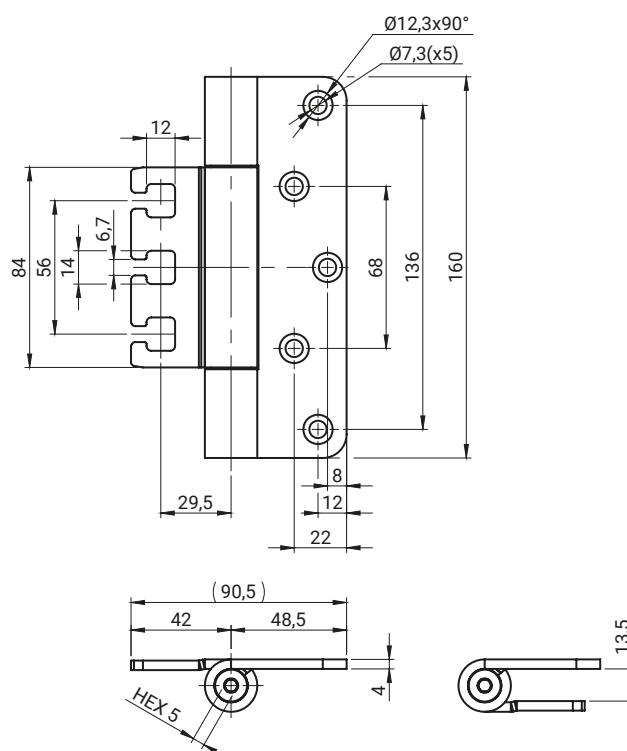
The hinge with 3D adjustment vertically and horizontally ± 3.0 mm works with the cassette (3.ST500.001 or 3.ST500.002) with page 3A-76 mounted to the frame.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST503.001	Holder, Base	Stainless steel



The hinge with 3D adjustment vertically and horizontally +/- 3.0 mm works with the cassette (3.ST500.001 or 3.ST500.002) with page 3A-76 mounted to the frame.

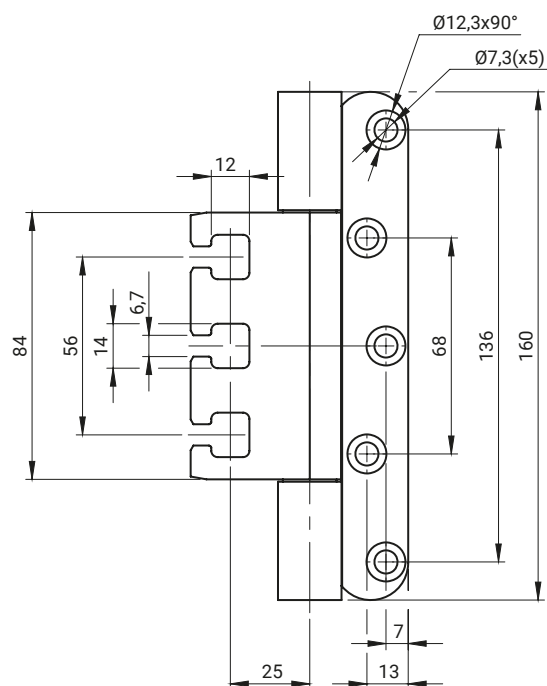
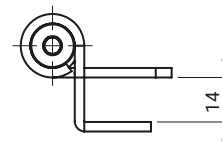
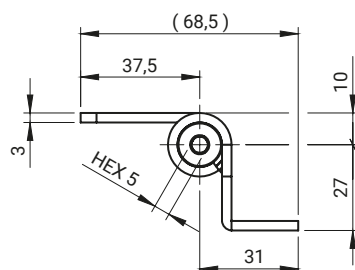
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST504.001	Base, Cover	Stainless steel



The hinge with 3D adjustment vertically and horizontally +/- 3.0 mm works with the cassette (3.ST500.001 or 3.ST500.002) with page 3A-76 mounted to the frame.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST505.001	Holder, Base	Stainless steel

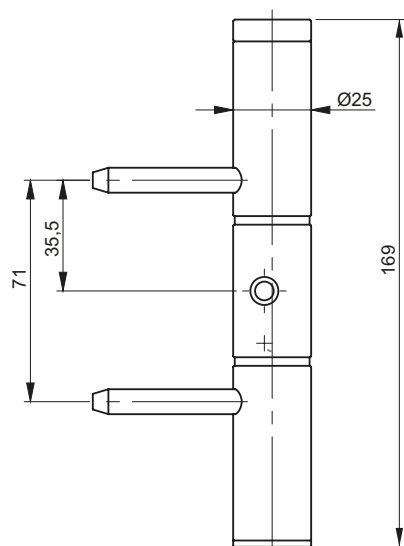
NEW

stainless
steel

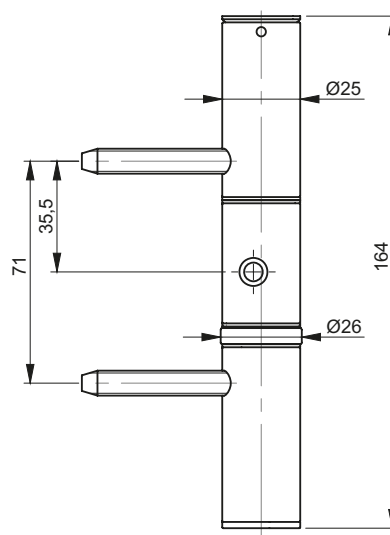
The hinge with 3D adjustment vertically and horizontally ± 3.0 mm works with the cassette (3.ST500.001 or 3.ST500.002) with page 3A-76 mounted to the frame.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST506.001	Base, Cover	Stainless steel

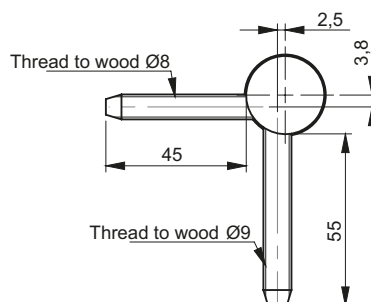
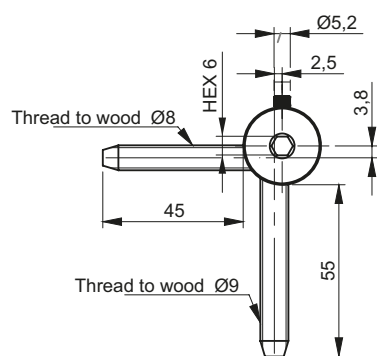
3.ST109.100



3.ST109.101

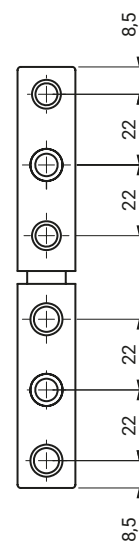
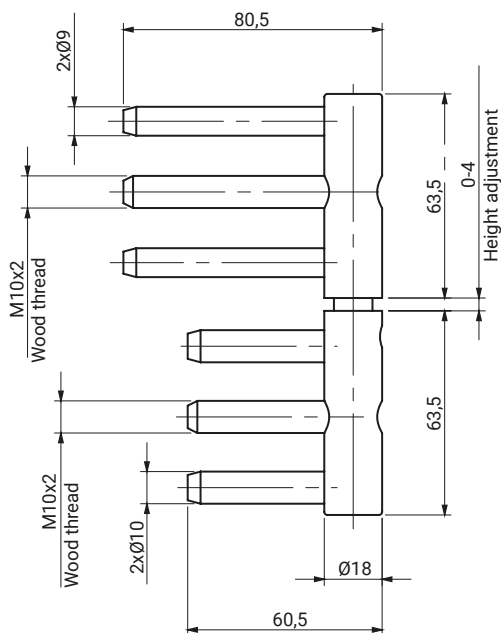


3.ST109.100

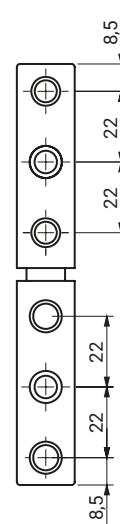
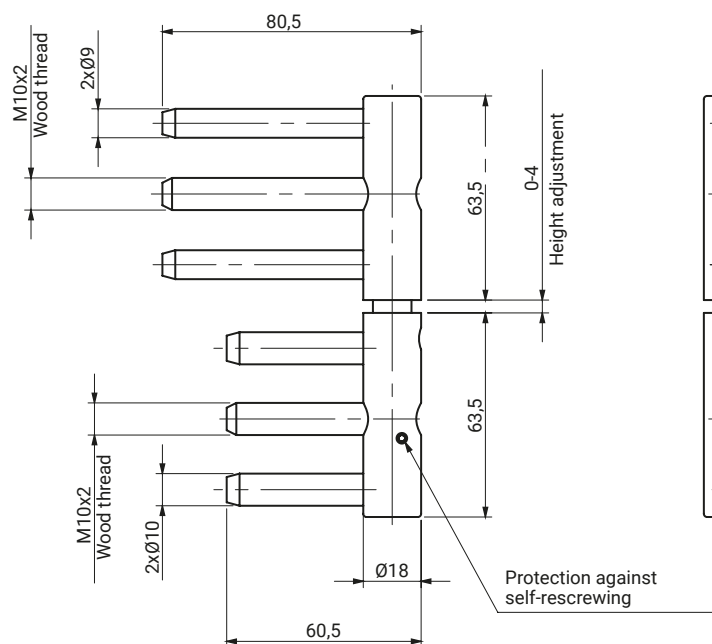


3.ST109.101

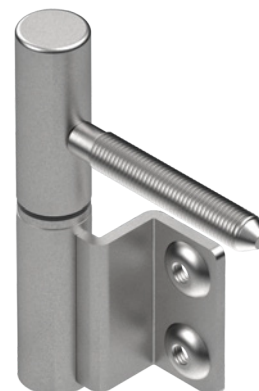
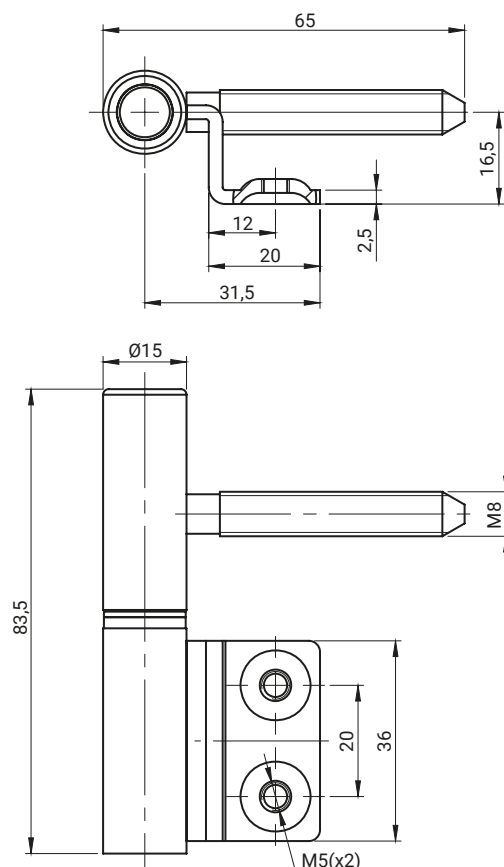
CATALOGUE NO.	DETAIL	COMPONENTS	MATERIAL
3.ST109.100	Spring hinge	Holder, Base	Steel zinc plated
3.ST109.101	KO hinge		



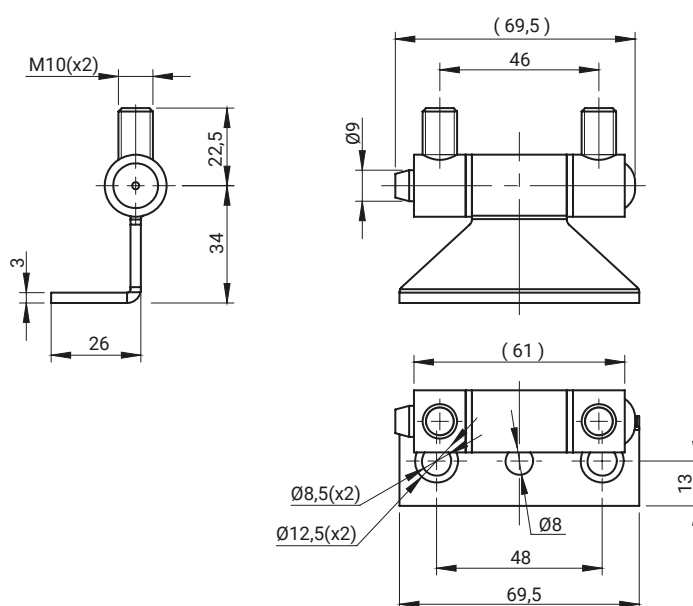
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST129.001	Holder, Base, Pin	Steel zinc plated



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST129.002	Holder, Base, Pin	Steel zinc plated



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST153.001	Handle, rate, insert	Steel zinc plated
	Sleeve	POM



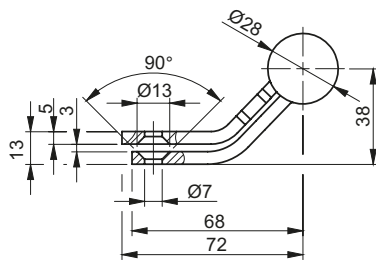
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST154.001	Handle, rate, insert	Steel zinc plated
	Sleeve	POM

Hinge 3.ST125

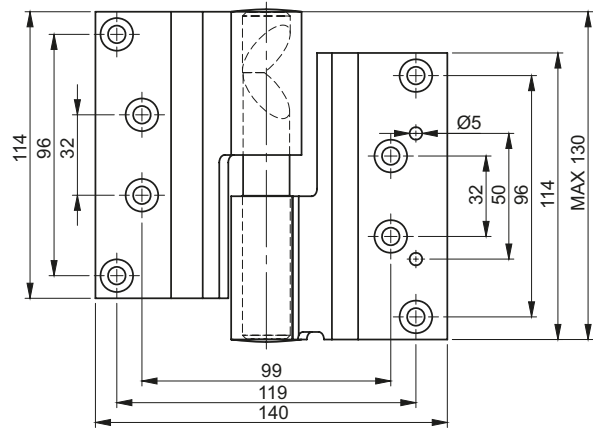
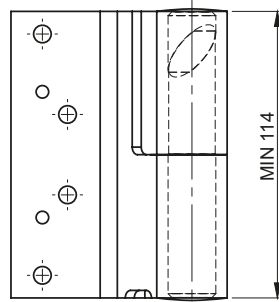
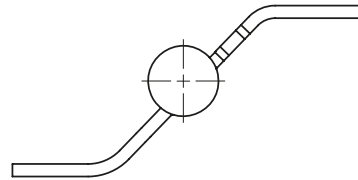
3.ST125.001



Right version - open position

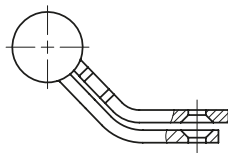


Left version - open position

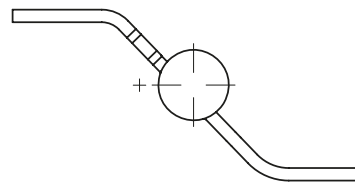


3.ST125.002

Right version - closed position



Right version - open position

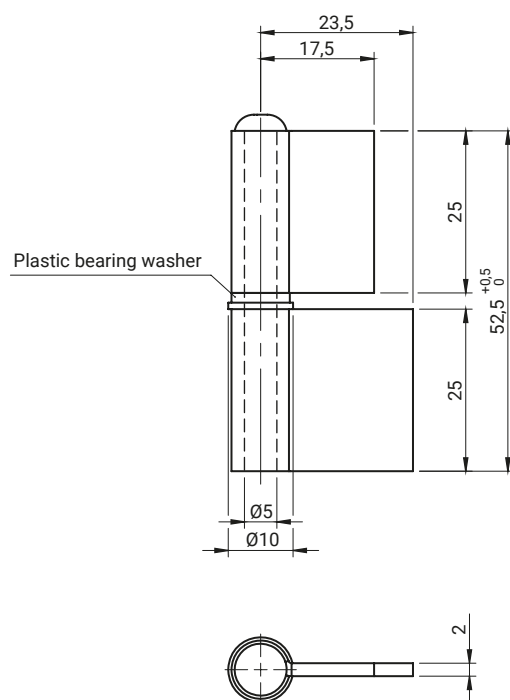


CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL	FINISH [C]
				Chrome
3.ST125.001	Left	Door, Insert	Carbon steel	01
3.ST125.002	Right			

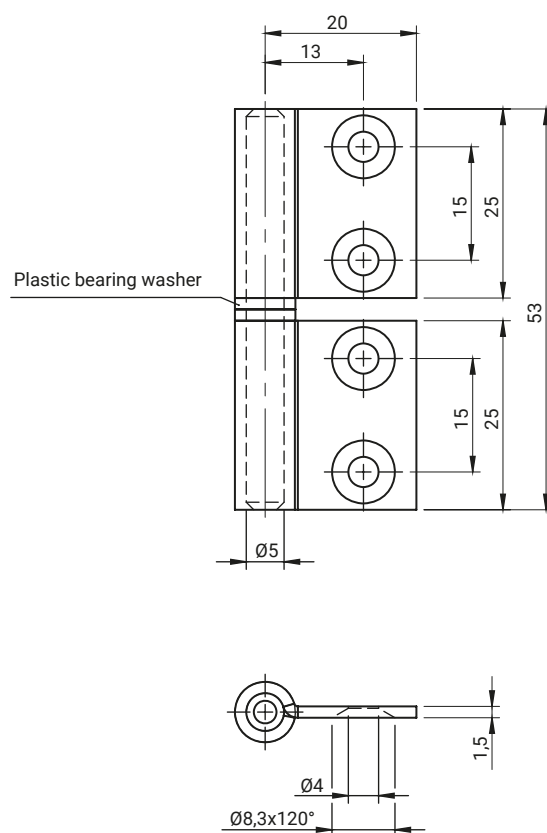
Left version is the mirror image of the right version

How to order:

Catalogue number 3.ST125.001 — C
Finish _____



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST127.001SN	Holder, Base, Pin	Stainless steel



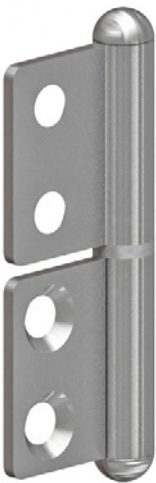
Hinge pin welded into one of the wings during final assembly.
 Hinge supplied in a sets of parts.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST127.002SN	Holder, Base, Pin	Stainless steel

Hinge 3.ST127.003SN

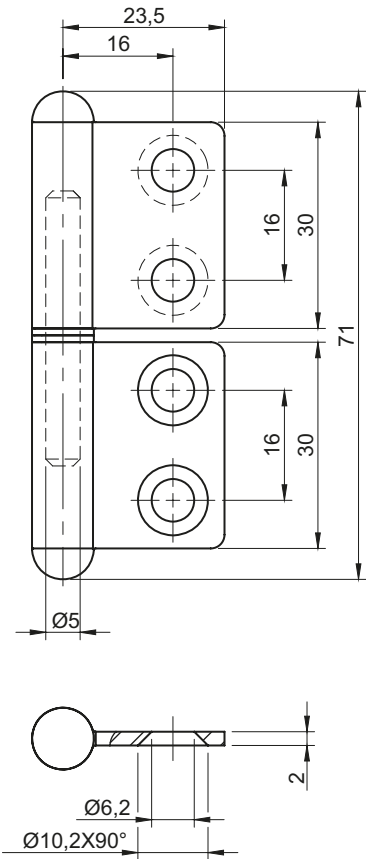


LEFT HINGE

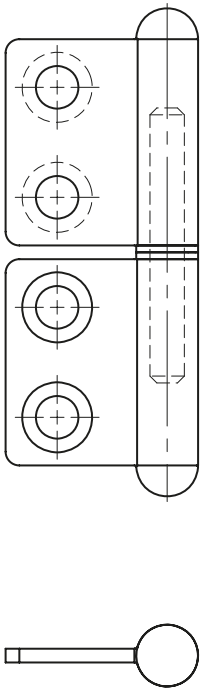


RIGHT HINGE

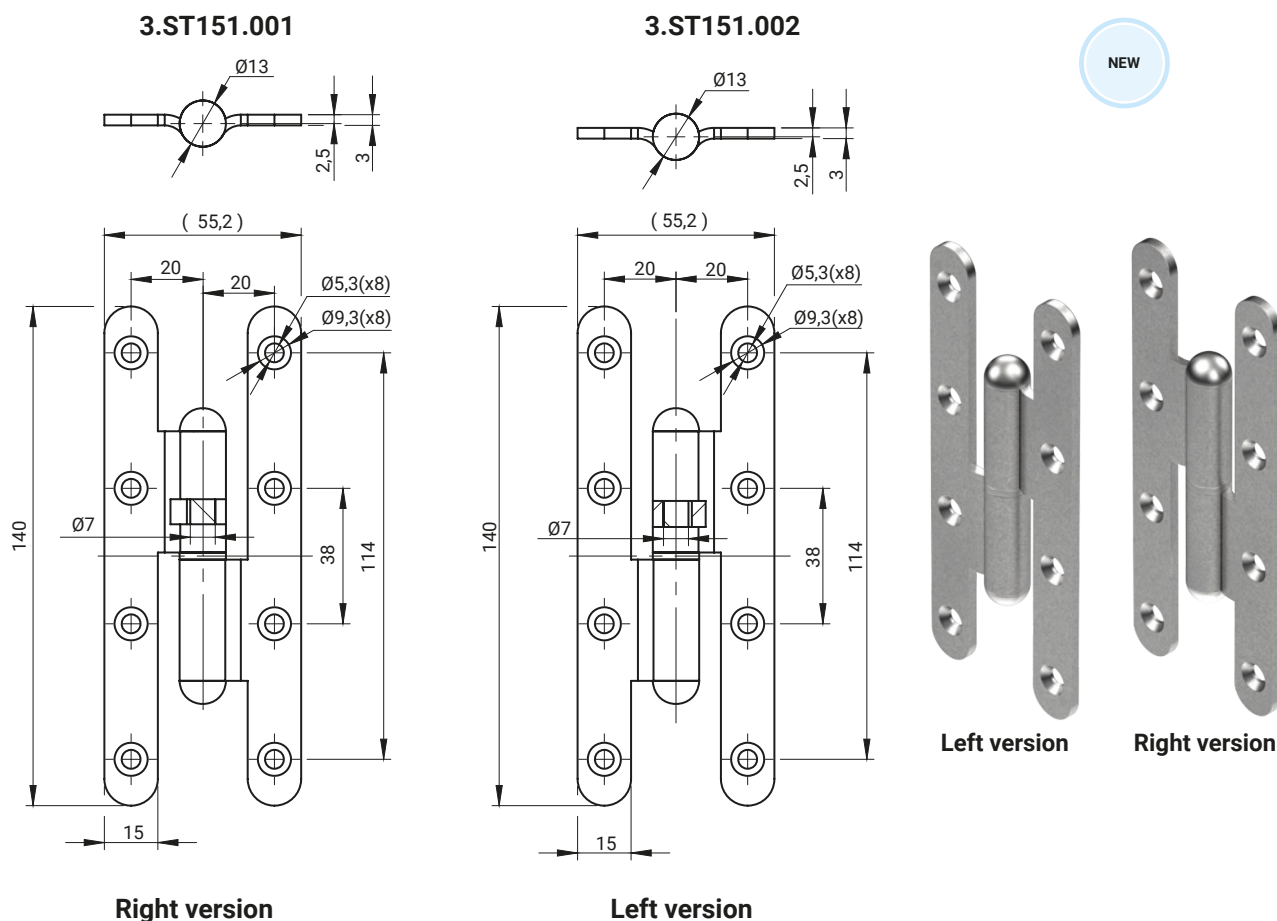
LEFT HINGE
3.ST127.003SN - B



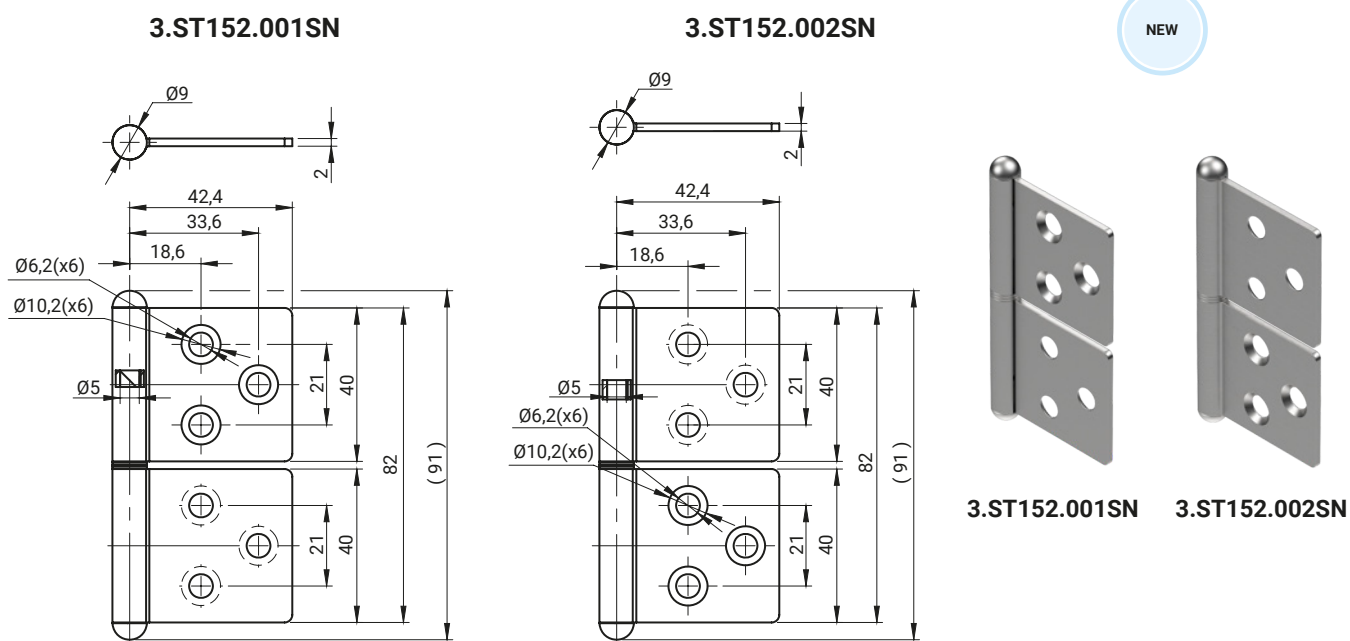
RIGHT HINGE
3.ST127.003SN - A



CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST127.003SN-A	Right	Holder, Base, Pin	Stainless steel
3.ST127.003SN-B	Left		



CATALOGUE NO.	MATERIAL	COMPONENTS	MATERIAL
3.ST151.001	Right	Handle, rate, blinder cap,	Steel zinc plated
3.ST151.002	Left	insert, washer	

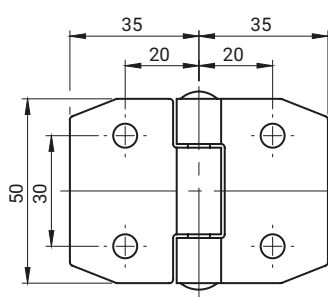
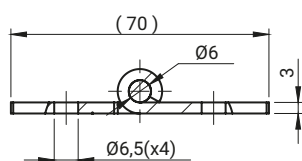


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST152.001	Handle, rate, blinder cap, insert	Stainless steel
3.ST152.002		

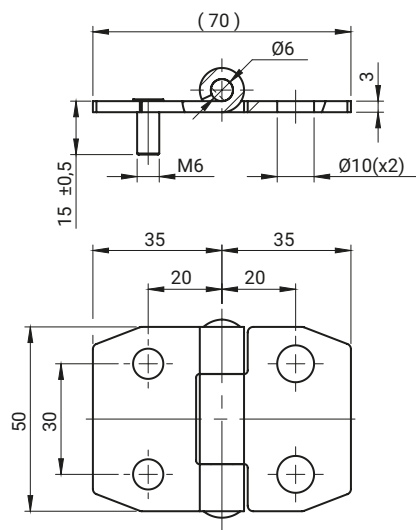
Hinge 3.ST30



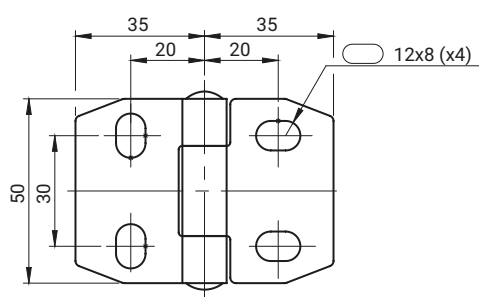
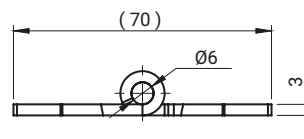
3.ST30.001



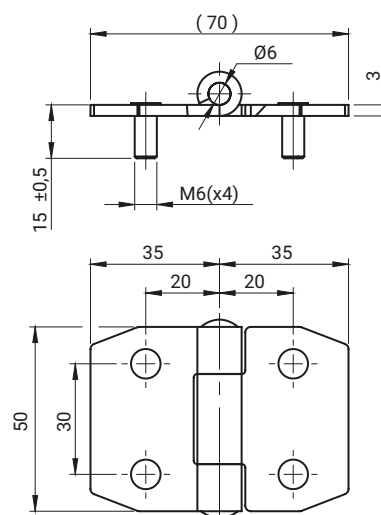
3.ST30.008



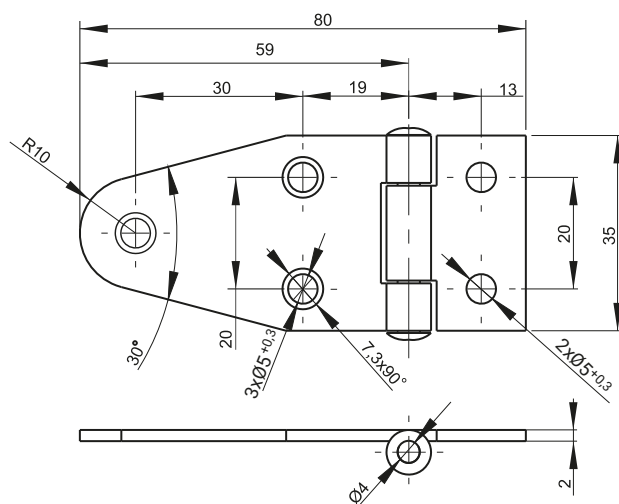
3.ST30.005



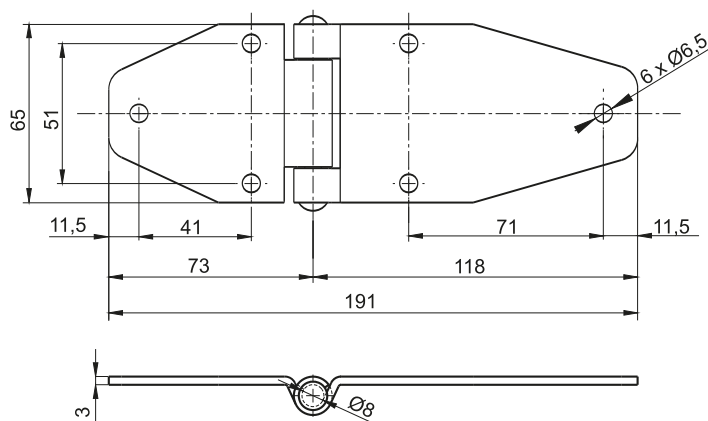
3.ST30.010



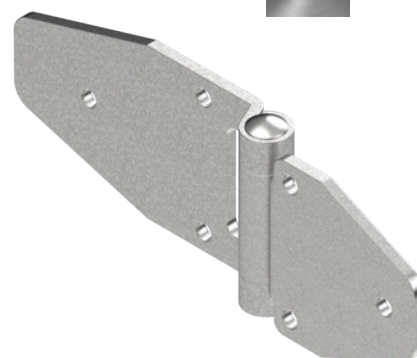
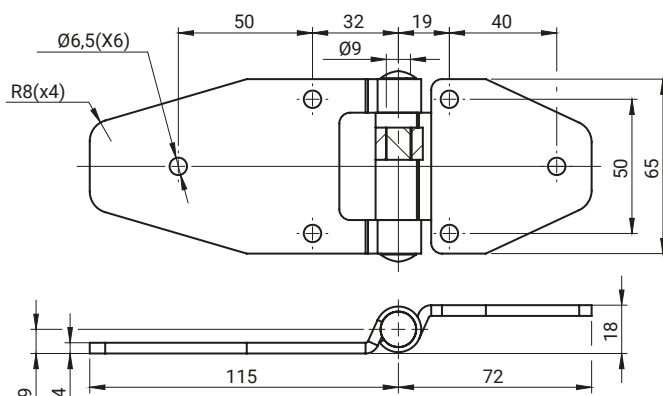
CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST30.001	4x Ø 6,5	Holder, Base	Steel zinc plated
3.ST30.001SN		Pin	Stainless steel
3.ST30.005	4x 8x12	Holder, Base, Pin	Stainless steel
		Holder, Base	Steel zinc plated
3.ST30.008	2x M6x15 2x Ø 10	Pin	Stainless steel
		Holder, Base	Steel zinc plated
3.ST30.010	4x M6x15	Holder, Base	Steel zinc plated
		Pin	Stainless steel



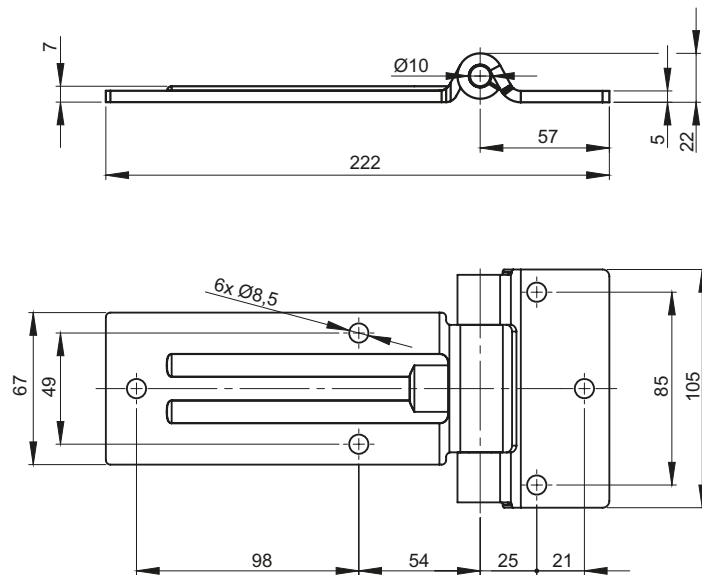
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST35-1.001	Holder, Base, Pin	Steel zinc plated
3.ST35-1.001SN	Holder, Base, Pin	Stainless steel



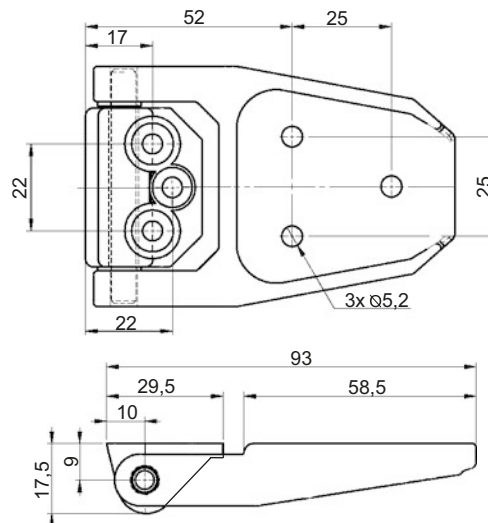
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST35.001	Holder, Base, Pin	Steel zinc plated
3.ST35.001SN	Holder, Base, Pin	Stainless steel



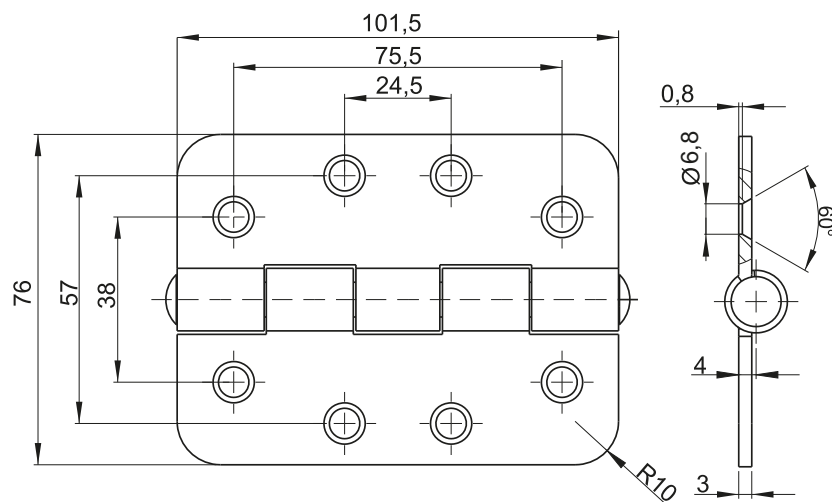
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST35.010	Holder, Base, Pin	Steel zinc plated
3.ST35.010SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST133.001	Holder, Base, Pin	Stainless steel polished



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.534.001	Holder, Base	Polyamide	07
	Pin	Zinc-plated steel	

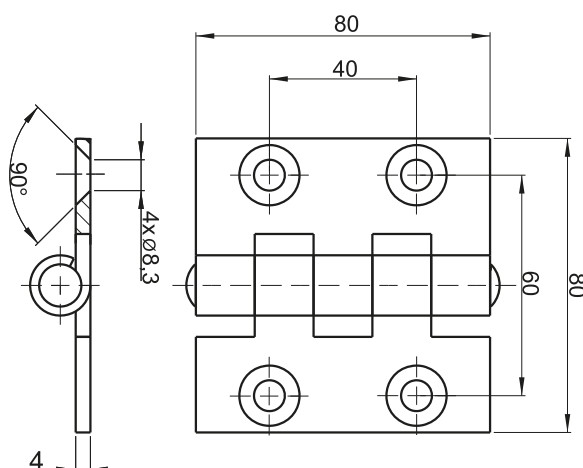


stainless steel

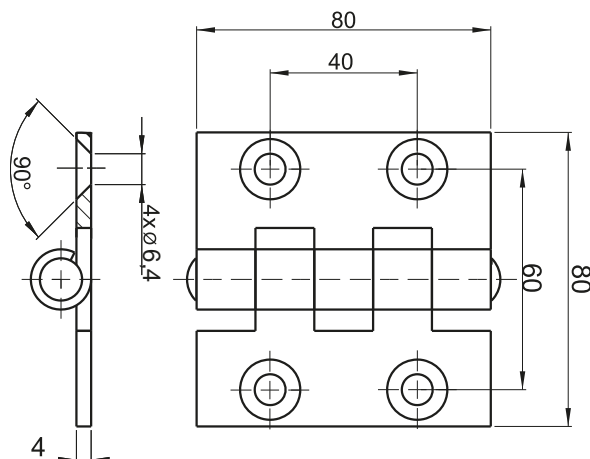


Hinge available with beveled holes or without.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST35-2.002	Holder, Base	Stainless steel
	Pin	Stainless steel

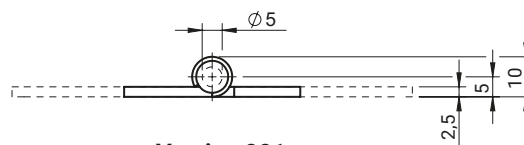


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST58.001	Holder, Base	Steel zinc plated
	Pin	Stainless steel

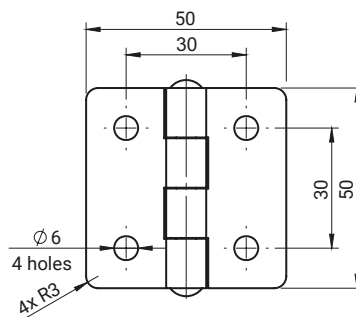


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST58.002	Holder, Base	Steel zinc plated
	Pin	Stainless steel

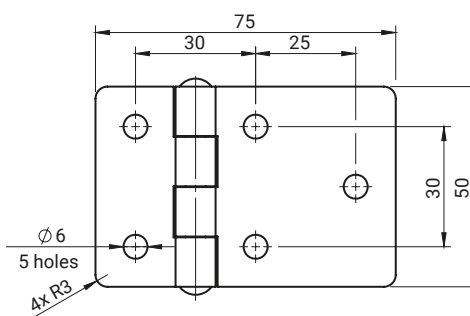
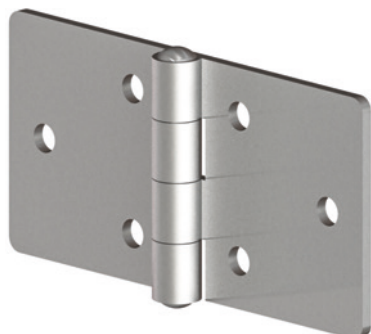
Hinge 3.ST114



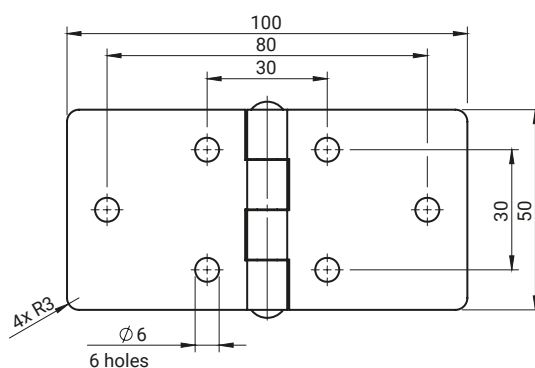
Version 001



Version 002



Version 003



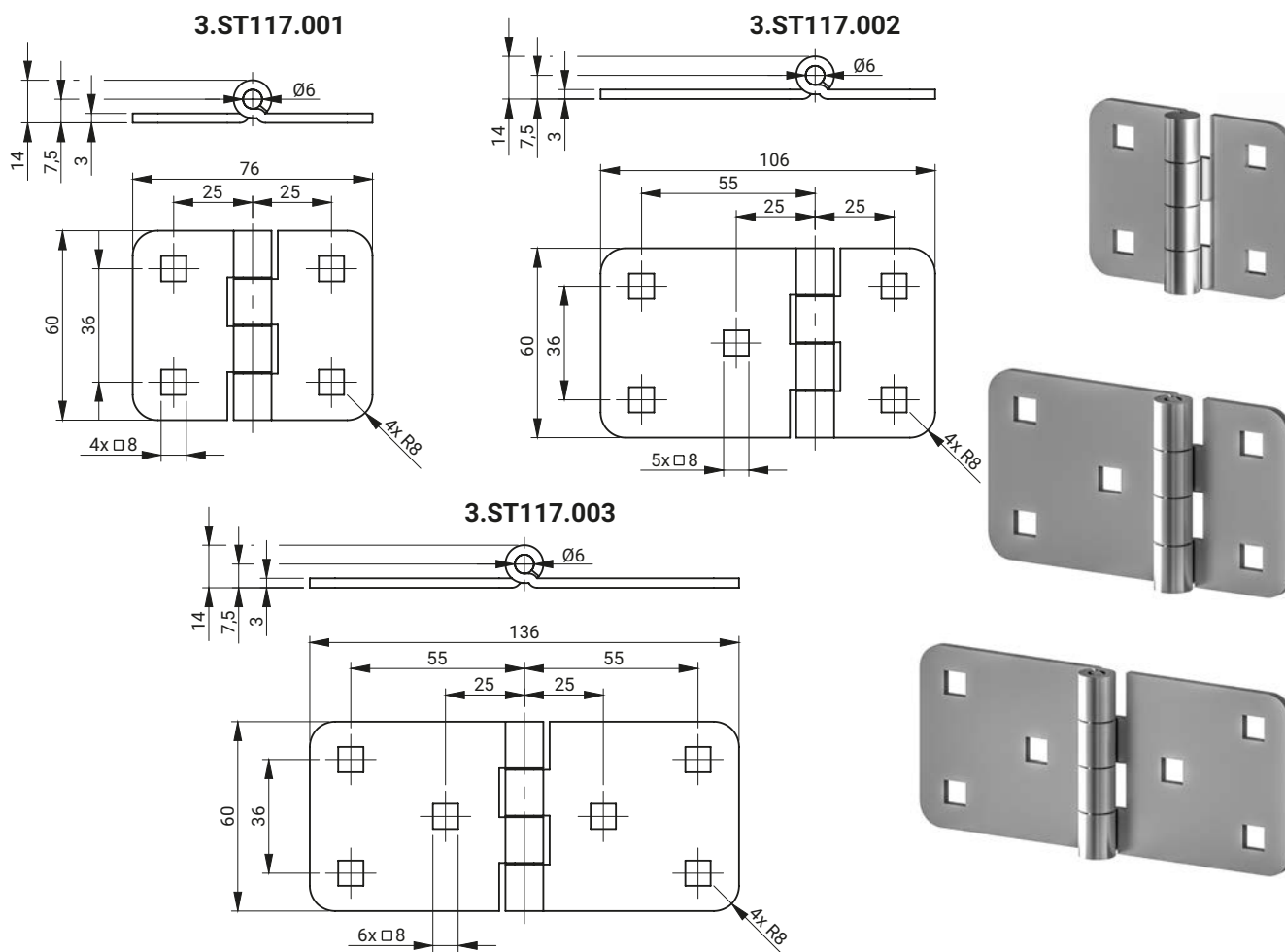
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]		
			No finish	Galvanized	RAL 9005
3.ST114.001	Holder, Base	Steel	-	03	04
3.ST114.002					
3.ST114.003	Pin	Stainless steel	-	-	-
3.ST114.001SN	Holder, Base, Pin	Stainless steel	00	-	-
3.ST114.002SN					
3.ST114.003SN					

How to order:

Catalogue number

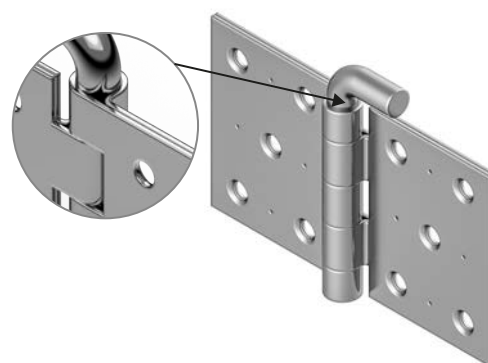
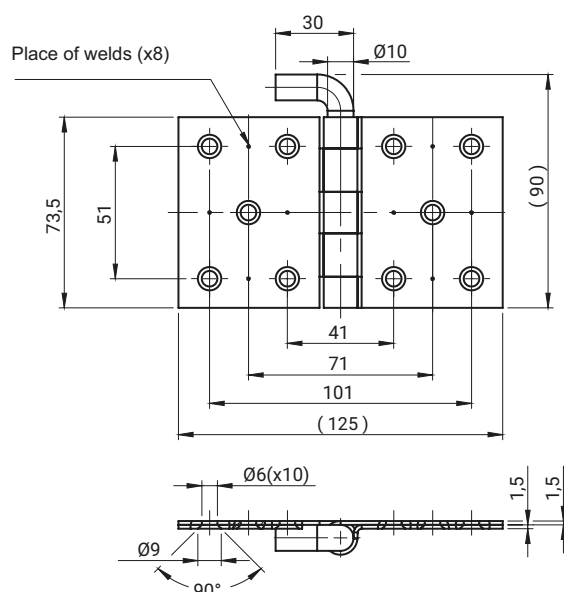
Finish [C]

3.ST114.001 — 04



Hinge sold together with set of screws DIN 603 M8x16

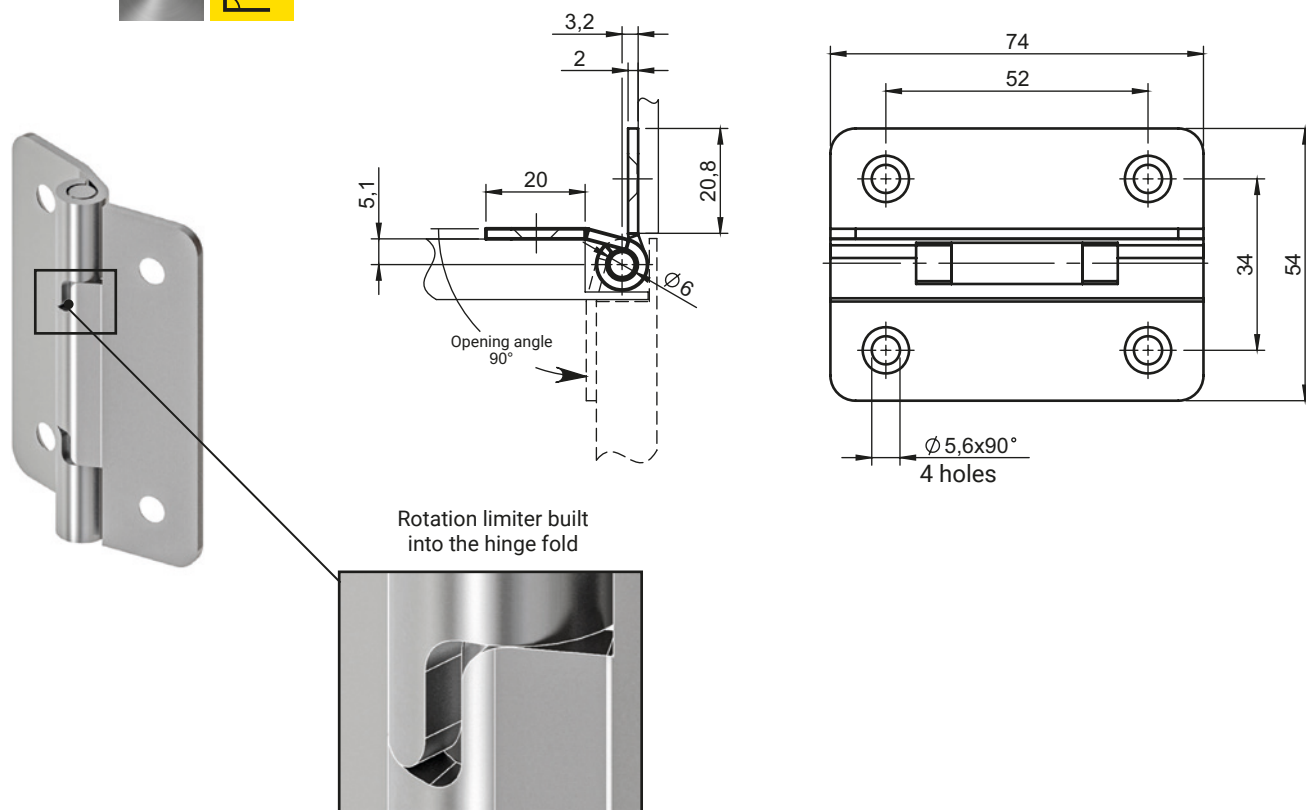
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST117.001 3.ST117.002 3.ST117.003	Holder, Base, DIN603 M8x16	Steel zinc plated
	Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.546.001	Holder, Base	Stainless steel 316
	Pin	

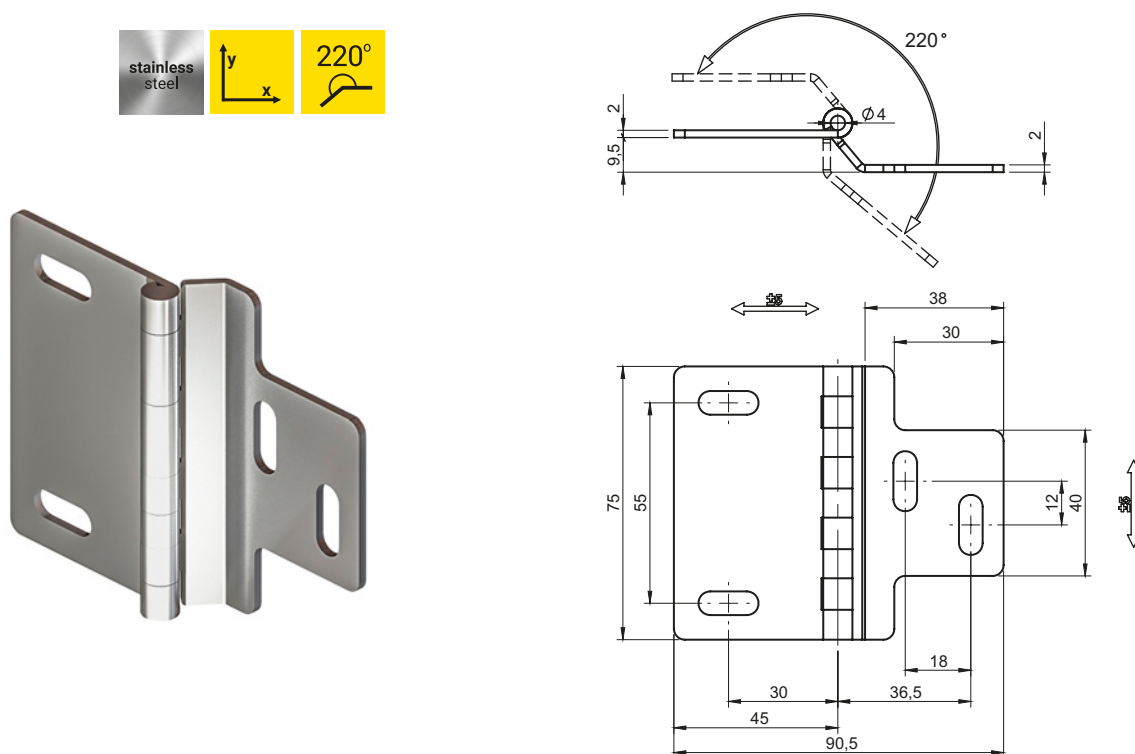
Hinge with an opening angle limiter 3.ST145

Hinge 3.ST146



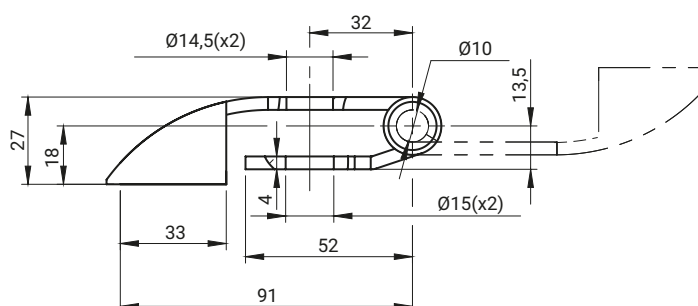
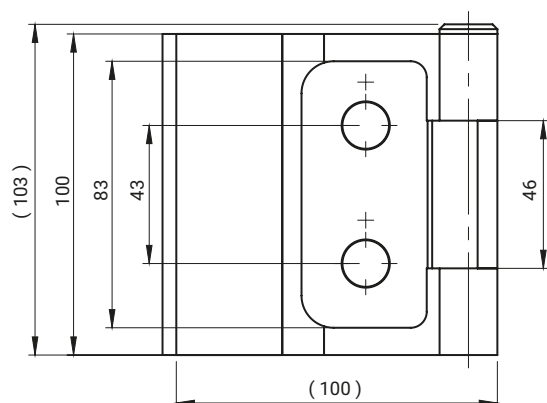
Hinge with an opening angle limiter up to 90°.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST145.001SN	Holder, Base, Pin	Stainless steel

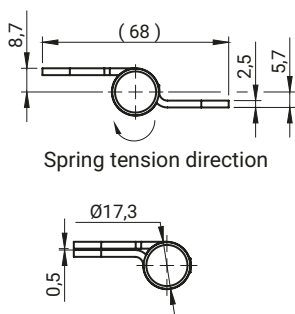
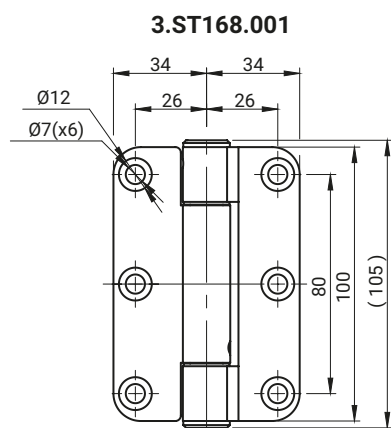


Hinge with two-way position adjustment

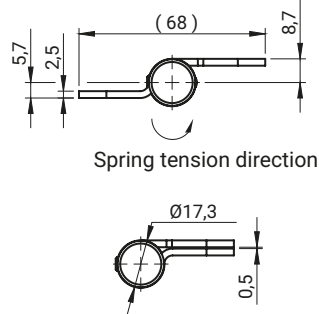
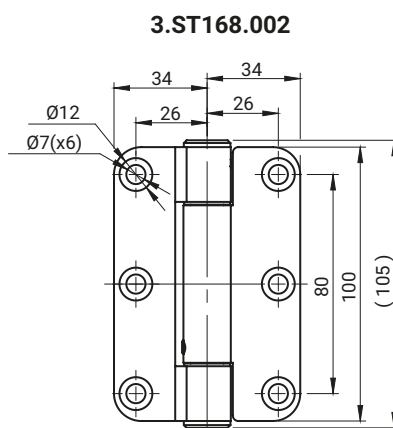
CATALOGUE NO.	MATERIAL
3.ST146.001SN	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST130.001	Holder, base, pin	Steel



Spring tension direction



Spring tension direction



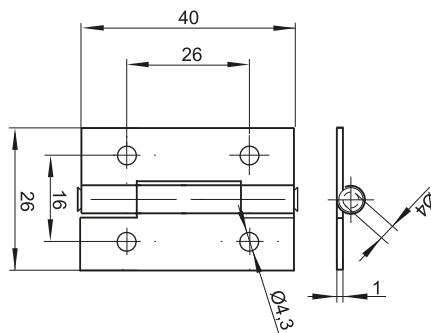
3.ST168.001

3.ST168.002

CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST168.001	Right	Holder, Foot, Sleeve,	Stainless steel,
3.ST168.002	Left	End caps	Galvanized steel, Galvanized brass

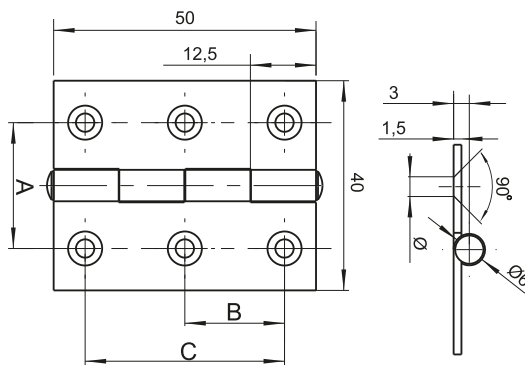
Hinge 3.ST37, 3.ST48, 3.ST55

stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST37.001	Holder, Base, Pin	Steel zinc plated
3.ST37.001SN	Holder, Base, Pin	Stainless steel

stainless steel



CATALOGUE NO.	X	Ø	A	B	C	where: X - indication of the hinge * - no chamfer on mounting holes
3.ST48.00X 3.ST48.00X SN	1 2 3*	4,7mm 5mm 4mm	24 23 23	19 17,5 17,5	38 35 35	

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 7035
3.ST48.00X	Holder, Base, Pin	Steel zinc plated	04	05
3.ST48.00X SN	Holder, Base, Pin	Stainless steel	-	-

How to order:

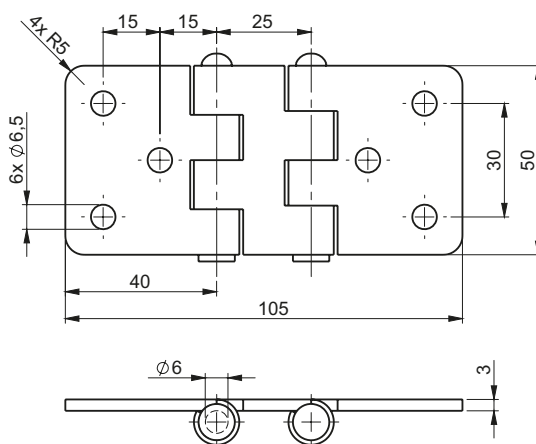
Catalogue number

Finish

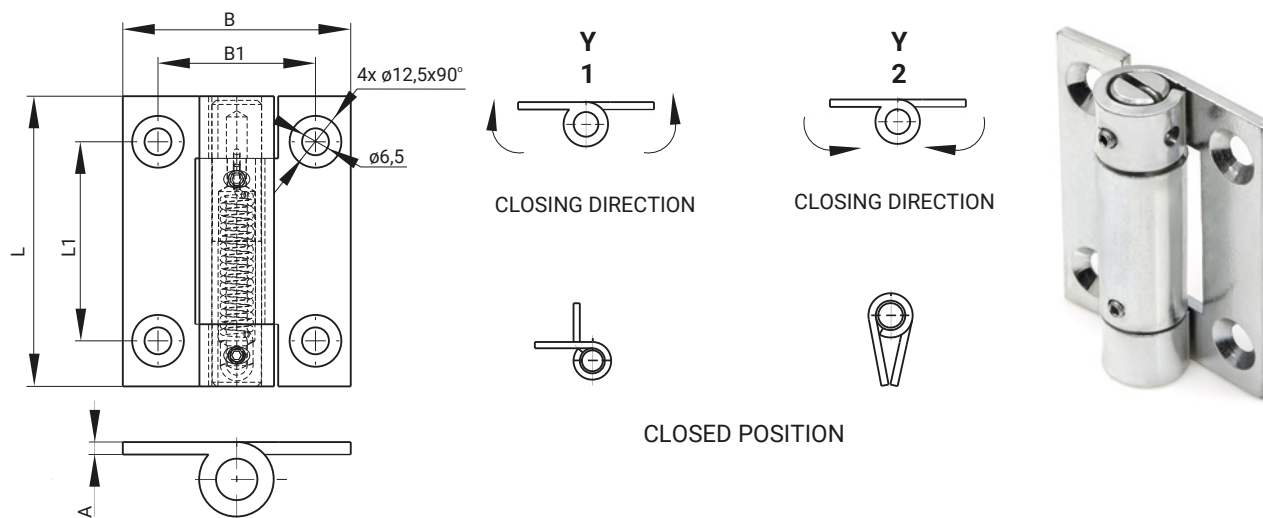
3.ST48.00X

C

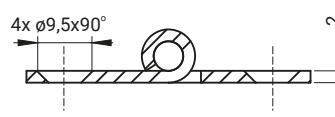
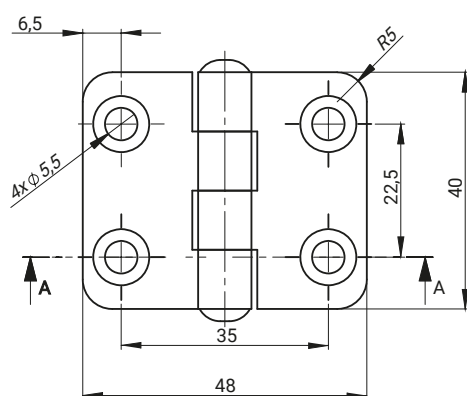
stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST55.001	Holder, Base, Pin	Steel zinc plated
3.ST55.001SN	Holder, Base, Pin	Stainless steel

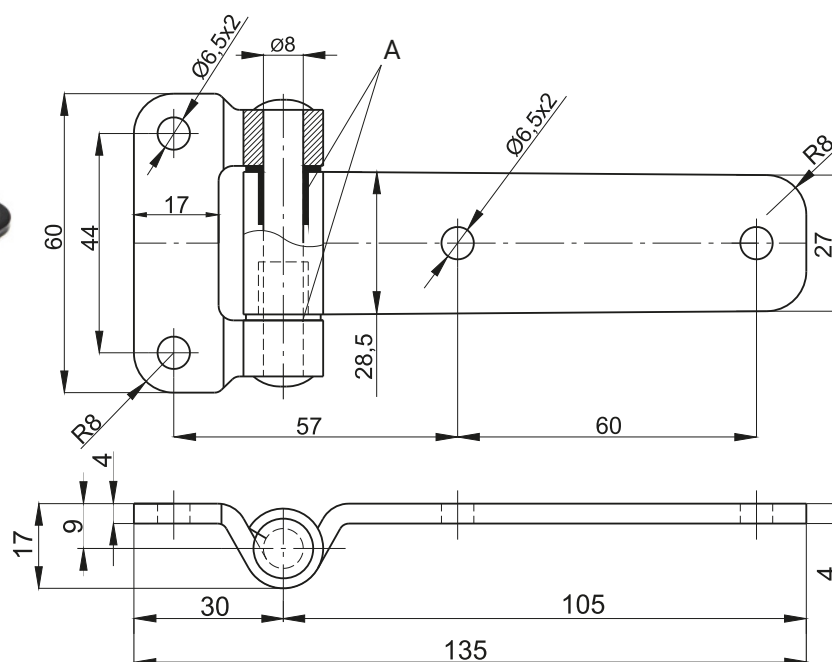


HINGE	X	A	L	L1	B	B1
3.ST108.X0Y	1	3	70	48	55	38
	2	3	80	60	65	45
	3	3	60	36	76	56
CATALOGUE NO.	COMPONENTS			MATERIAL		
3.ST108.001	Holder, Base			Steel zinc plated		
	Pin			Steel zinc plated		



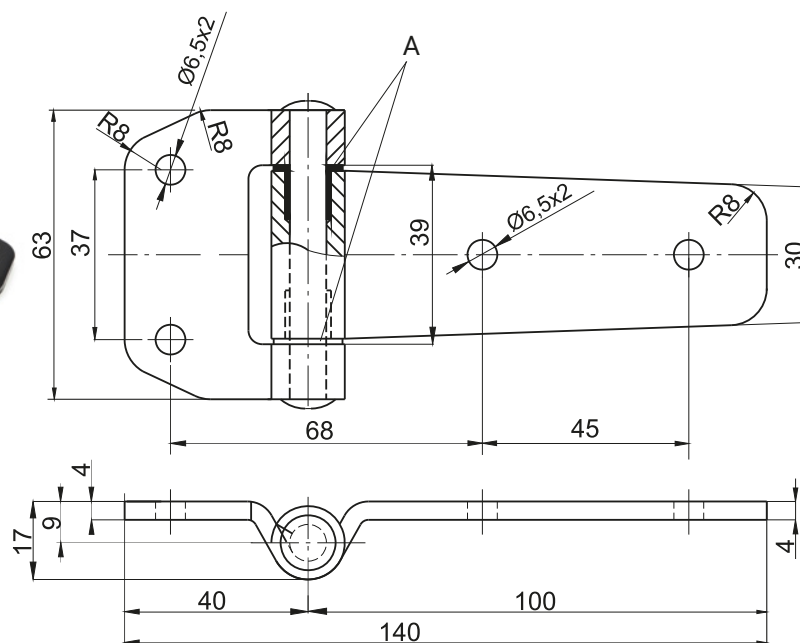
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST28.001	Holder, Base	Stainless steel 1.4301
	Pin	Stainless steel 1.4301

Hinge 3.ST56


 stainless steel


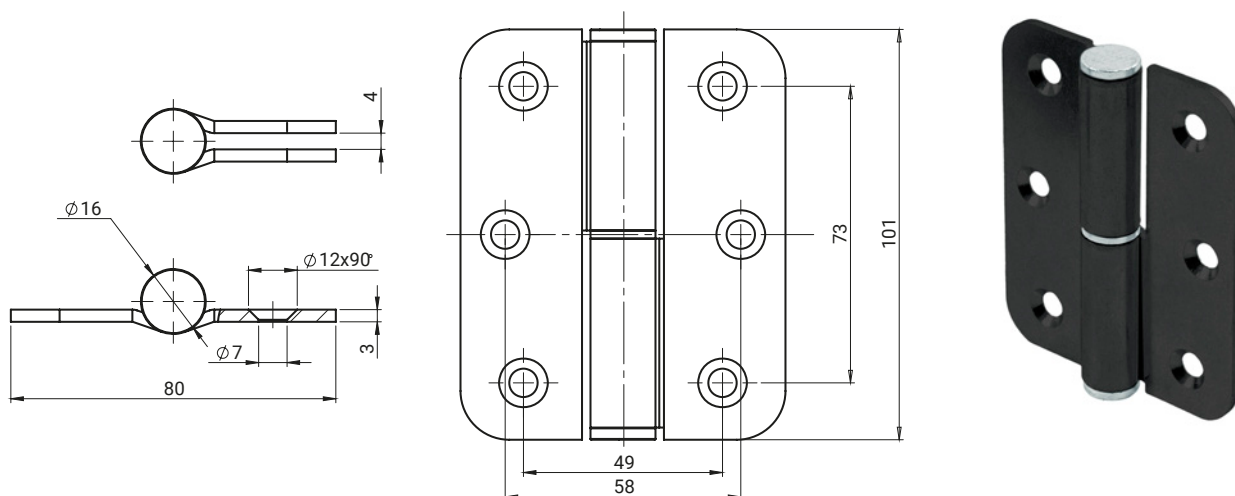
A - plastic washers

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ST56.002	Holder, Base	Steel zinc plated	04
	Pin	Stainless steel	
3.ST56.002SN	Holder, Base, Pin	Stainless steel	-


 stainless steel


A - plastic washers

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ST56.100	Holder, Base	Steel zinc plated	04
	Pin	Stainless steel	
3.ST56.100SN	Holder, Base, Pin	Stainless steel	-

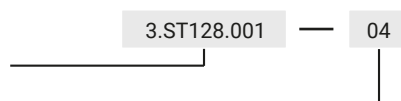


CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL9005
3.ST128.001	Holder, Base	Steel	04
	Pin	Steel zinc plated	-

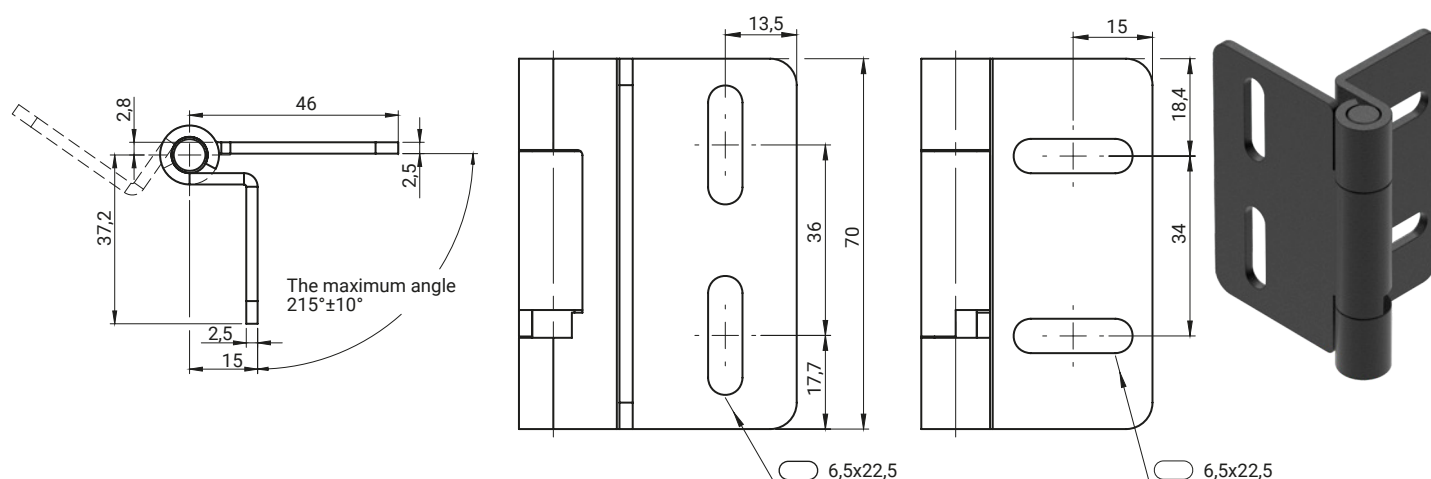
How to order:

Catalogue number

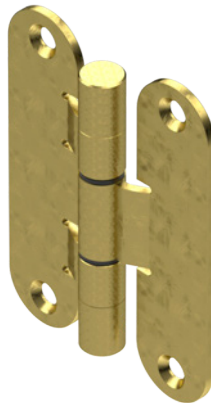
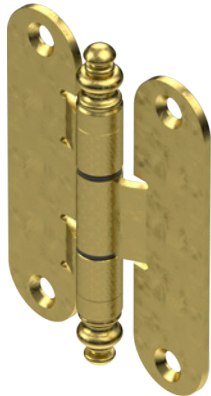
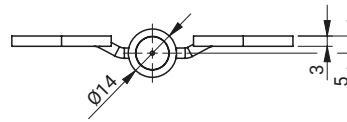
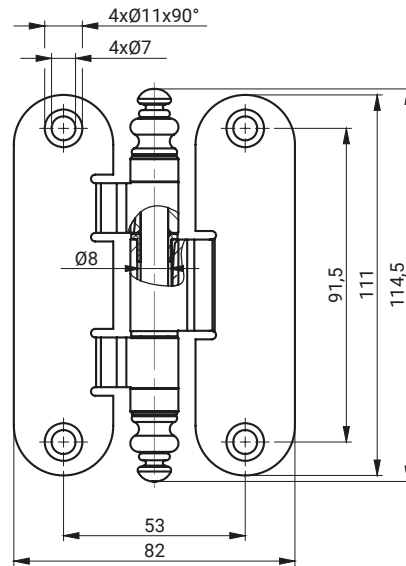
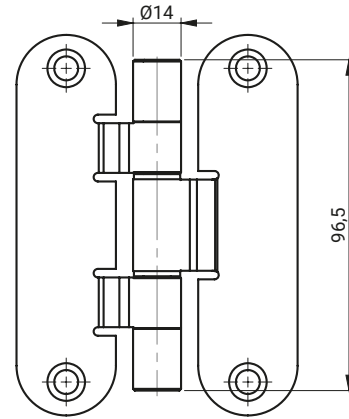
Finish [C]



Hinge with an opening angle limiter



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL9005
3.ST155.001	Holder, Base, Pin	Stainless steel	04
			-

**3.ST116.001****3.ST116.002**

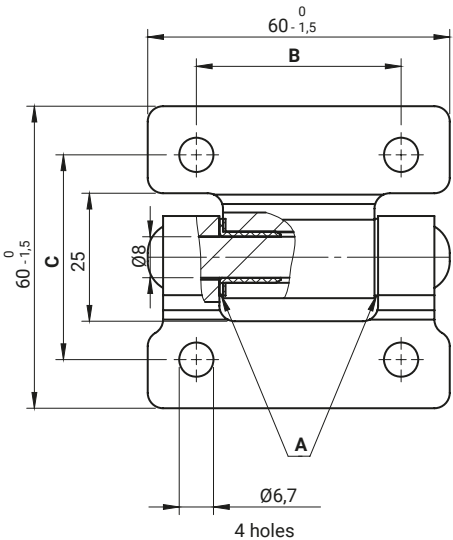
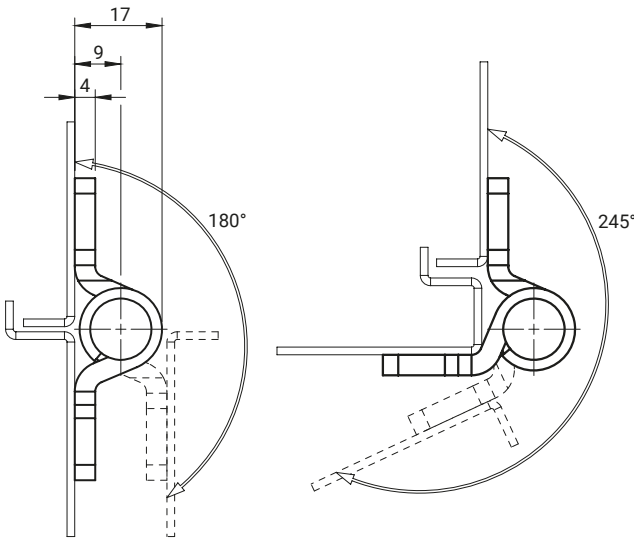
A - plastic bushing

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH
3.ST116.001.01	Holder, Base, Cap	Steel	Zinc plated + enamel
	Pin		Zinc plated
3.ST116.001.02	Holder, Base, Cap		Brassed + enamel
	Pin		Zinc plated
3.ST116.002.01	Holder, Base, Cap		Zinc plated + enamel
	Pin		Zinc plated
3.ST116.002.02	Holder, Base, Cap		Brassed + enamel
	Pin		Zinc plated



Version .001 .002

Version .003 .004



A - plastic bushing

CATALOGUE NO.	DIMENSION		COMPONENTS	MATERIAL	FINISH [C]
	B	C			RAL 9005
3.ST56-2.001	40	40	Holder, Base,	Steel zinc plated	04
3.ST56-2.003			Pin	Stainless steel	
3.ST56-2.002	44	43	Holder, Base, Pin	Stainless steel	No
3.ST56-2.004					
3.ST56-2.001SN	40	40			
3.ST56-2.003SN					
3.ST56-2.002SN	44	43			
3.ST56-2.004SN					

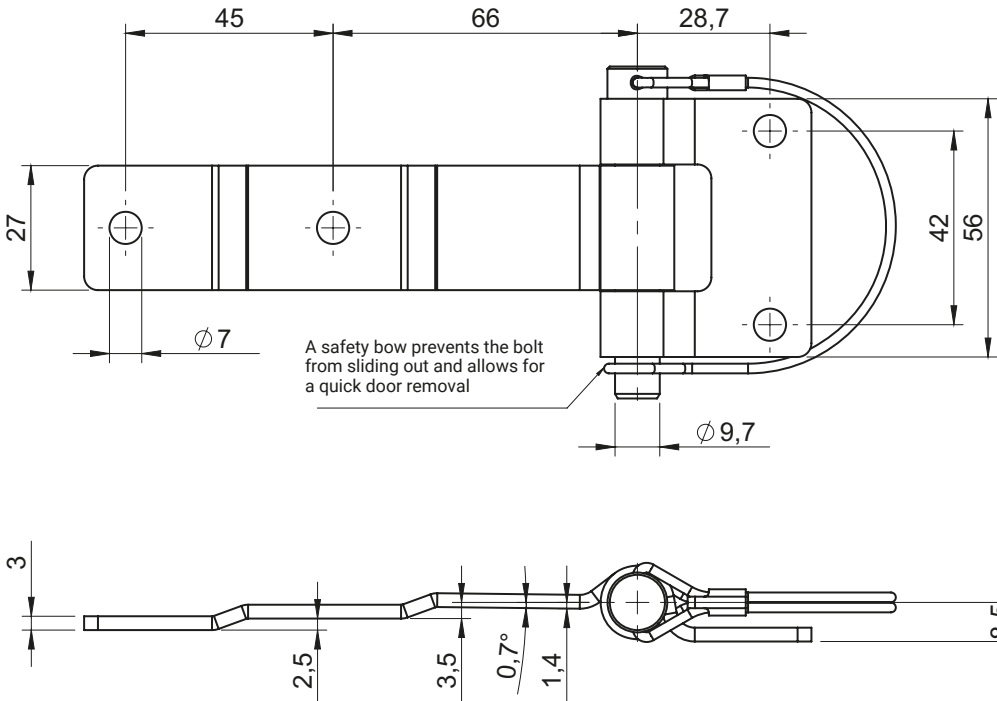
How to order:

Catalogue number
Finish [C]

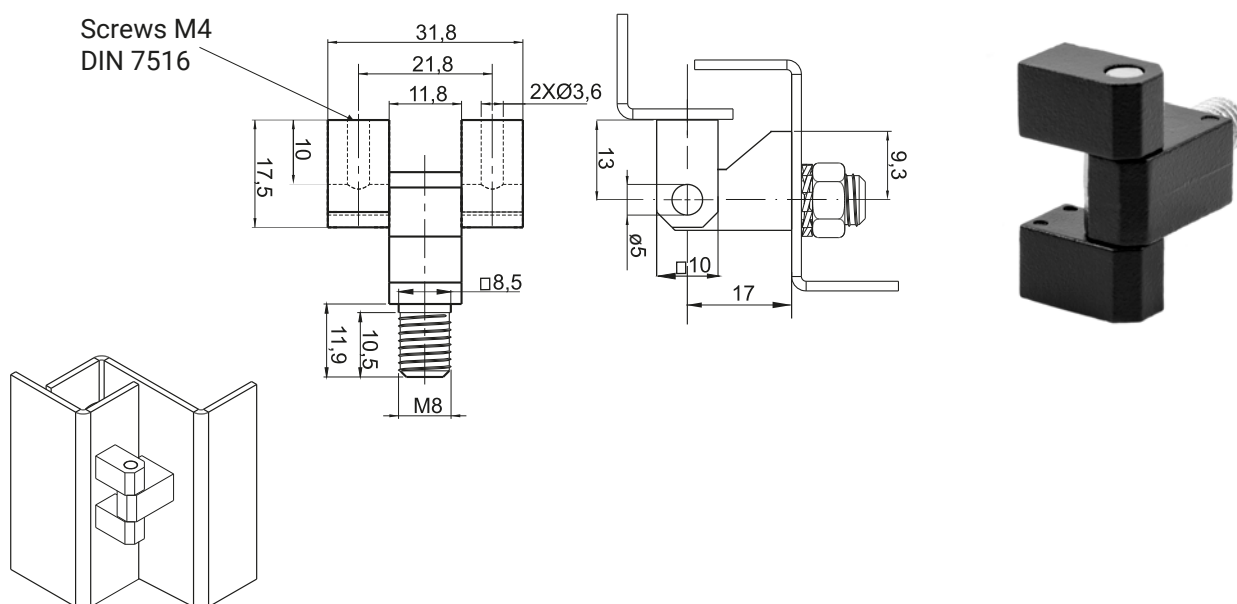
3.ST56-2.001

04

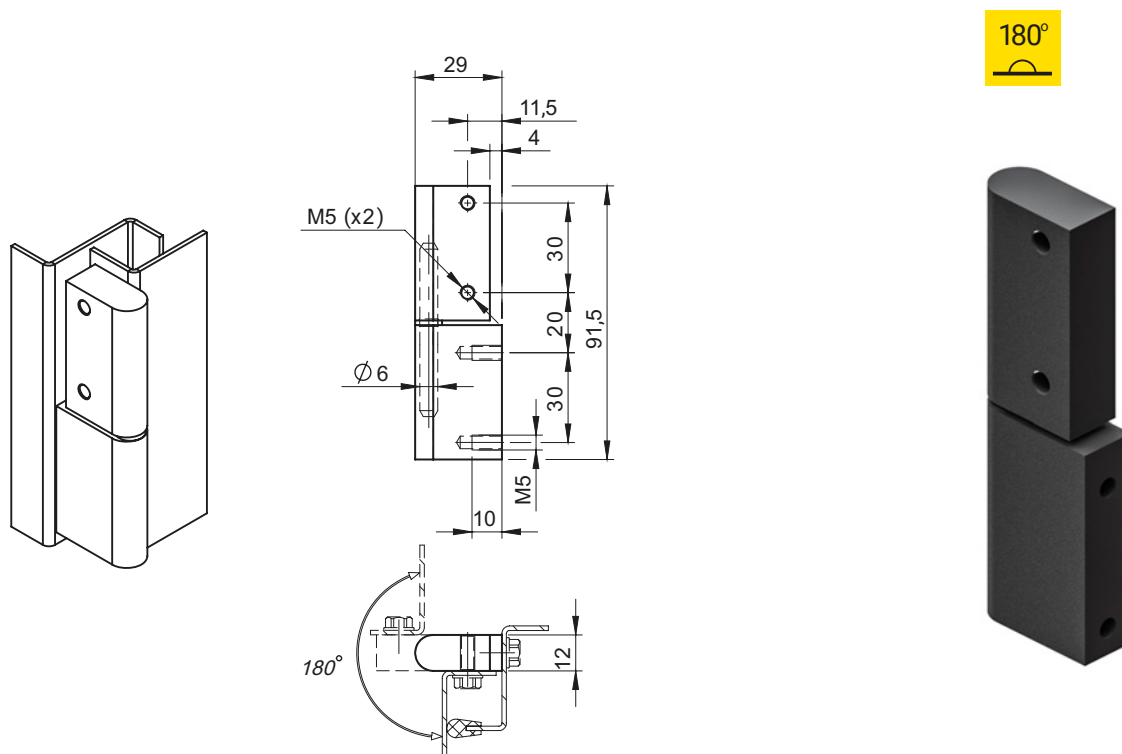
Hinge 3.ST134.001SN



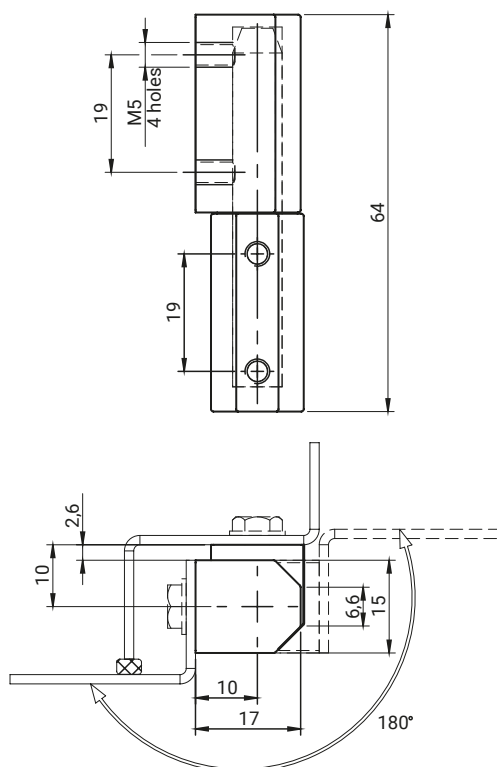
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST134.001SN	Holder, Base, Pin, Safety bow	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN20.001	Holder, Base	ZAMAK 5	04
	Pin	Steel zinc plated *	



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ST49.001	Holder, Base	Steel	04
	Pin	Steel zinc plated	



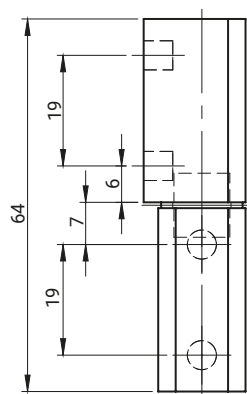
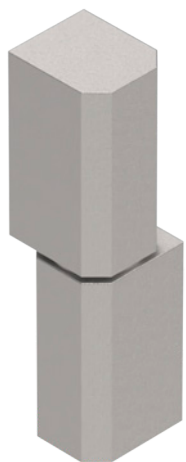
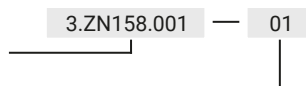
* DIN 7985 M5x8 screw (x4) and DIN 127 M5 washer (x4), is not part of the scope of supply.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL 9005
3.ZN158.001	Base, Holder	ZAMAK 5	01	04
	Insert	Stainless steel	-	-

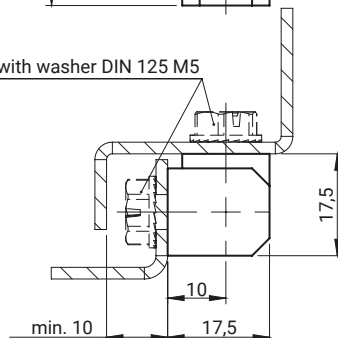
How to order:

Catalogue number

Finish [C]

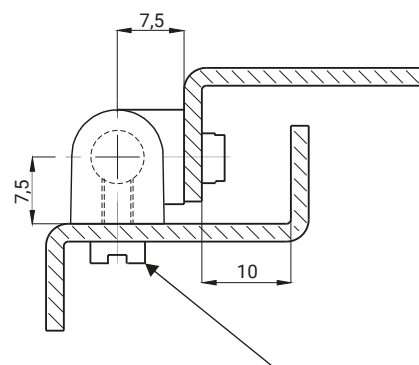
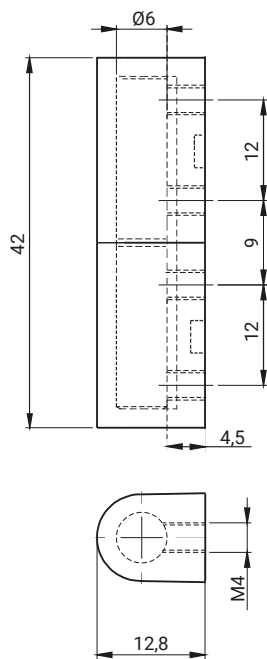


* DIN 7985 M5x8 with washer DIN 125 M5



* not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ZN158.002SN	Holder, Base, Pin	Stainless steel (AISI 316)



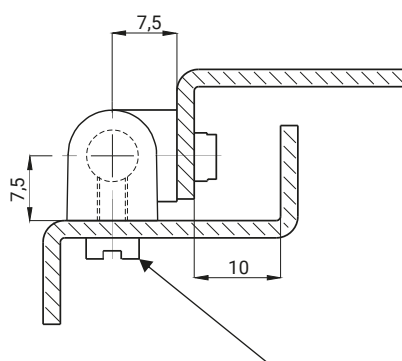
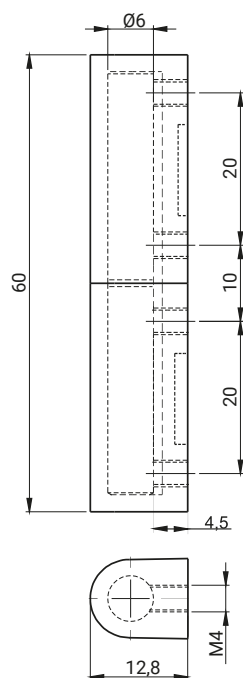
Screws M4 with cylindrial head
DIN 84, ISO1207 **



* possibility to order stainless steel pin.

** not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN155.001	Holder, Base	ZAMAK 5	04
	Pin	Steel zinc plated, *	



Screws M4 with cylindrial head
DIN 84, ISO1207 **



* possibility to order stainless steel pin.

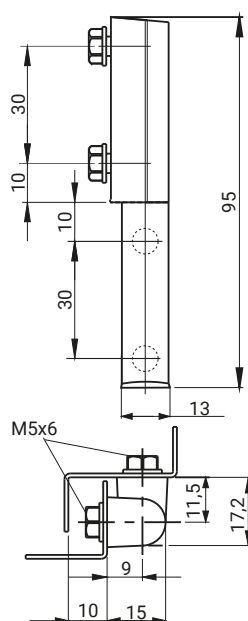
** not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN155.002	Holder, Base	ZAMAK 5	04
	Pin	Steel zinc plated, *	

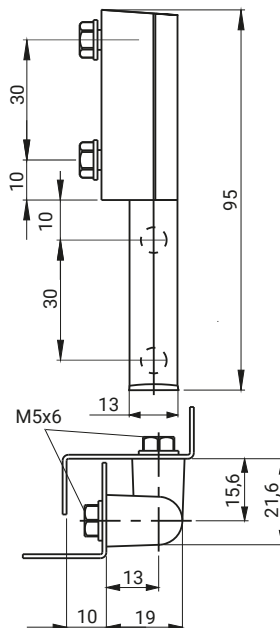
Hinge 3.ZN151, 3.ZN152, 3.520



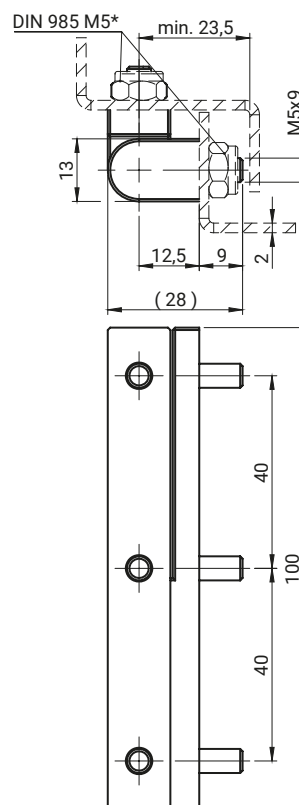
3.ZN151.001



3.ZN152.001



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ZN151.001	Holder, Base	Polyamide	07
3.ZN152.001	Pin	Stainless steel	-

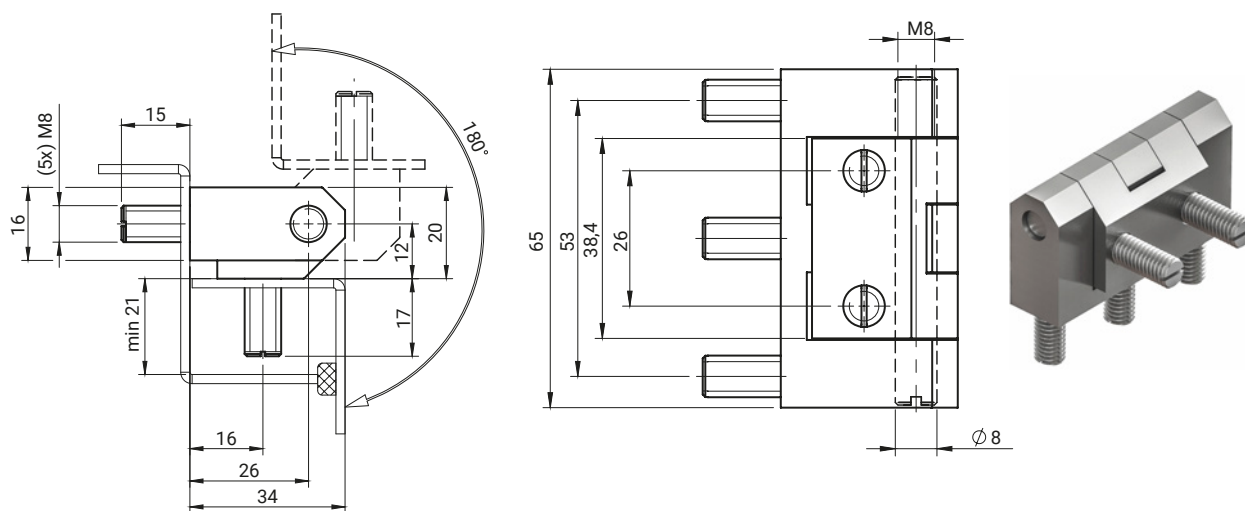


- Used in vandal-proof constructions,
- Made of stainless steel,
- Damage-resistant,
- Opening angle 180°

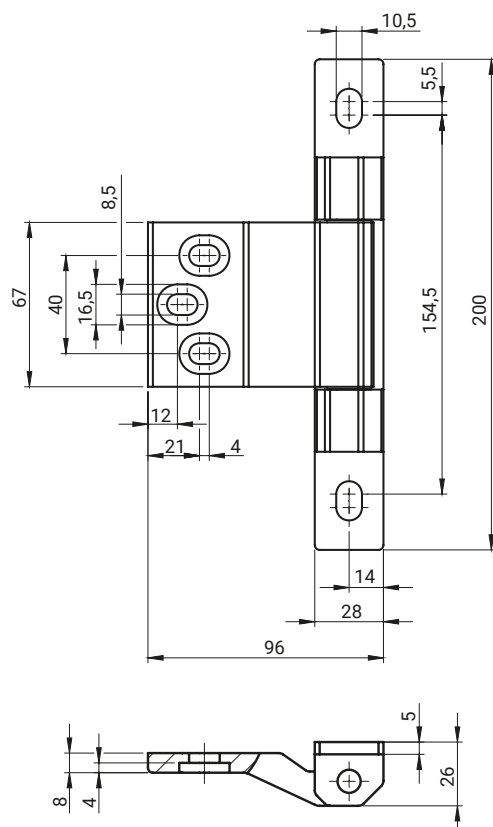
* not included in the scope of delivery.

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL9005
3.520.001	Holder, Base	Stainless steel	04
	Pin, Studs, Washer	Stainless steel	-

180°



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			Nickel
3.ST126.001	Holder, Base, Pin	Steel	02



stainless
steel

180°

NEW



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL9005
3.547	Holder, Base	Stainless steel	04
	Pin	Stainless steel	-

How to order:

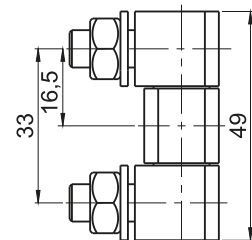
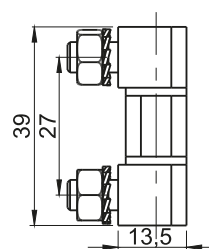
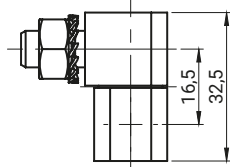
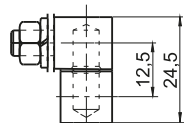
Catalogue number

Finish [C]

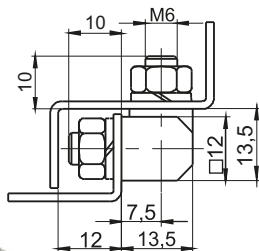
3.547 — 04

Hinge 3.STZH2, 3.STZH2.002, 3.STZH3 3.STZH3-1, 3.ST53, 3.ST73

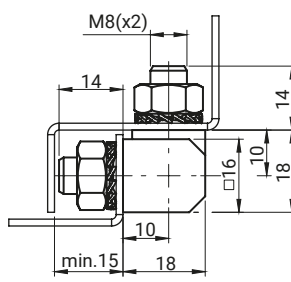
stainless steel



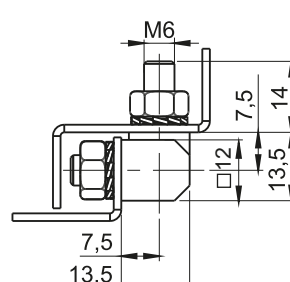
NEW



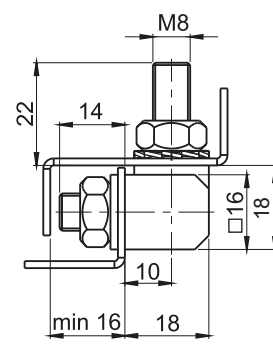
3.STZH2.001



3.STZH2-1.001



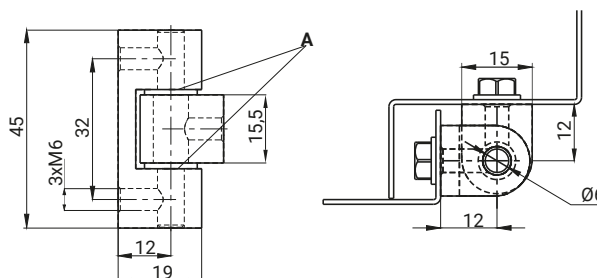
3.STZH3.001



3.STZH3-1.001

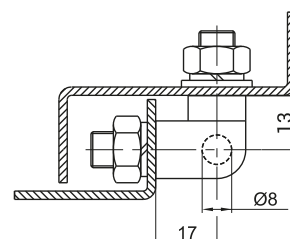
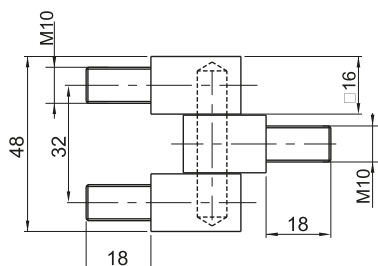
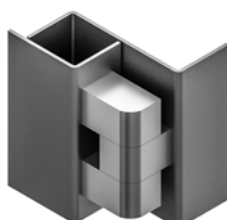
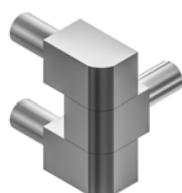
* DIN 934 nuts and DIN 6798 washers are included in the scope of delivery.

CATALOGUE NO.		COMPONENTS	MATERIAL
3.STZH2.001 3.STZH2-1.001	3.STZH3.001 3.STZH3-1.001	Holder, Base, Pin	Steel zinc plated
3.STZH2.001SN 3.STZH2-1.001SN	3.STZH3.001SN 3.STZH3-1.001SN	Holder, Base, Pin	Stainless steel

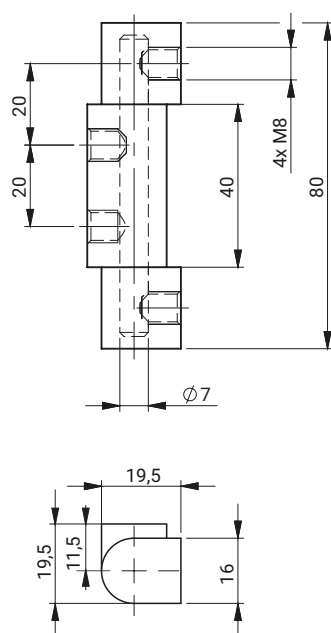
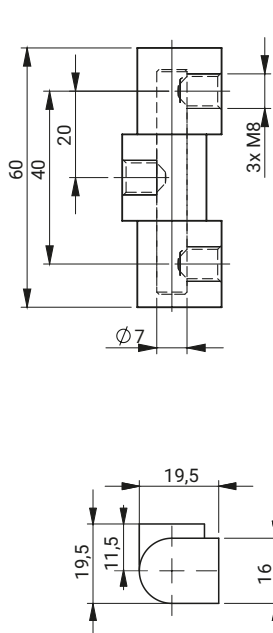


A - plastic washer

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			Chrome	RAL9005
3.ST53.001	Holder, Base	ZAMAK 5	01	04
	Pin	Stainless steel	-	-
3.ST53.002	Holder, Base	Steel	01	04
	Pin	Stainless steel	-	-



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST73.001	Holder, Base, Pin	Steel zinc plated

3.504.001

3.505.001


CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]		
			Chrome	Galvanized	RAL 9005
3.504.001	Holder, Base	Brass	01	03	04
3.505.001	Pin	Steel zinc plated			

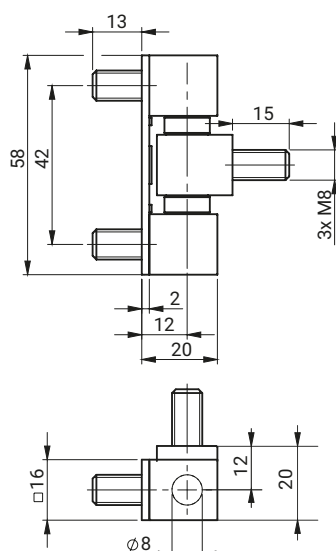
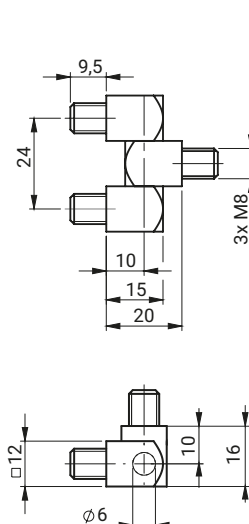
How to order:

Catalogue number

Finish

3.504.001

C

3.506.001

3.507.001


CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			Nickel
3.506.001	Holder, Base	Steel	02
3.507.001	Pin	Steel zinc plated	

How to order:

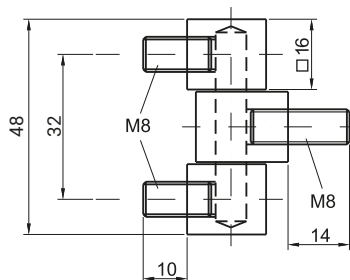
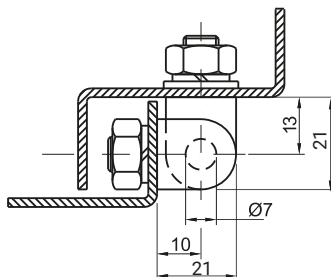
Catalogue number

Finish

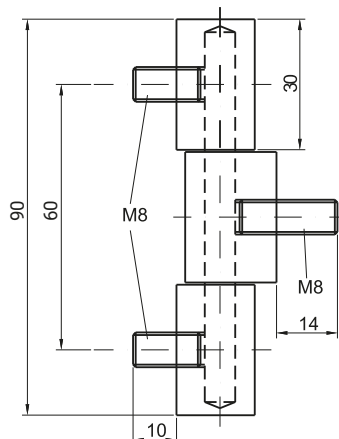
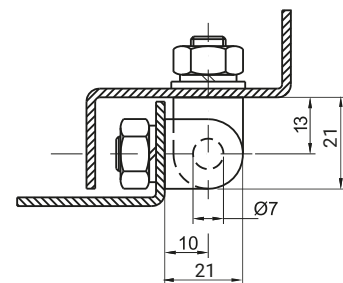
3.506.001

C

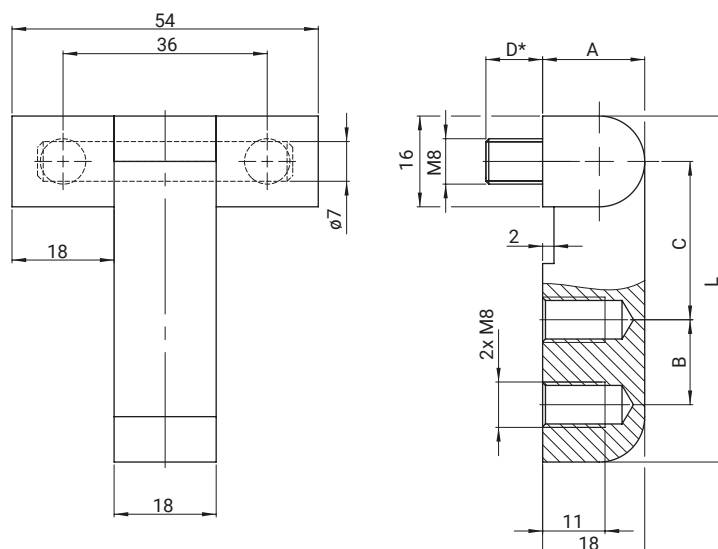
Hinge 3.ST17, 3.ST18



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST17.001	Pin	Steel zinc plated
	Holder, Base	Brass
3.ST17.001SN	Holder, Base, Pin	Stainless steel

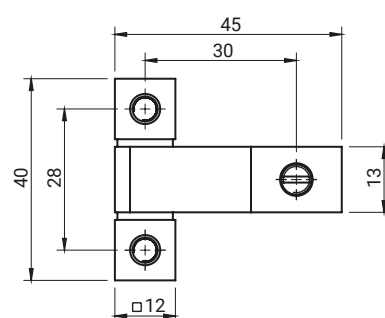


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST18.001	Pin	Steel zinc plated
	Holder, Base	Brass
3.ST18.001SN	Holder, Base, Pin	Stainless steel

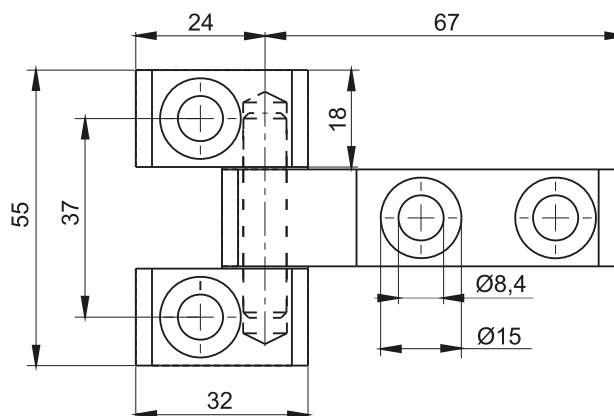
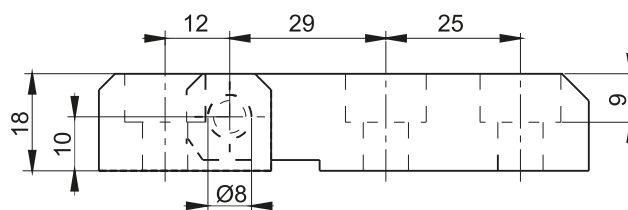
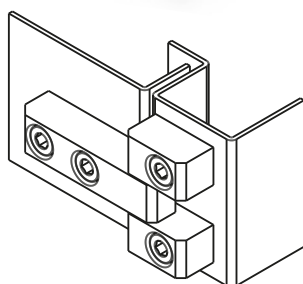


* possibility to make in different dimension

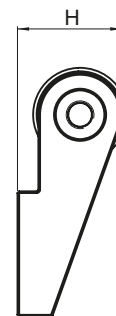
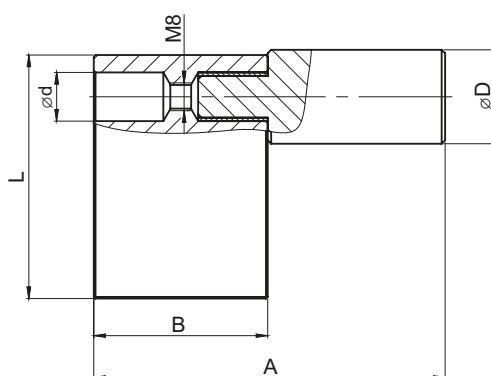
CATALOGUE NO.	L	A	B	C	D	COMPONENTS	MATERIAL
3.ST21.001	61	18	15	28	10	Holder Base Pin	Steel zinc plated Brass zinc plated Steel zinc plated
3.ST21.102	71	18	15	38	10		
3.ST21.103	74	18	23	35	10		
3.ST21.104	93	18	30	45	20		
3.ST21.105	108	18	30	60	20		
3.ST21.106	93	25	30	45	20	Holder, Base Pin	Steel zinc plated
3.ST21.107	108	25	30	60	20		
3.ST21.001SN	61	18	15	28	10	Holder Base Pin	Stainless steel
3.ST21.102SN	71	18	15	38	10		
3.ST21.103SN	74	18	23	35	10		
3.ST21.104SN	93	18	30	45	20		
3.ST21.105SN	108	18	30	60	20		
3.ST21.106SN	93	25	30	45	20	Holder, Base Pin	Stainless steel
3.ST21.107SN	108	25	30	60	20		



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST22.001	Holder, Base, Pin	Steel zinc plated
3.ST22.001SN	Holder, Base, Pin	Stainless steel



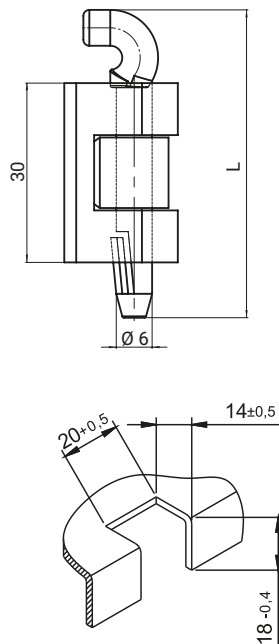
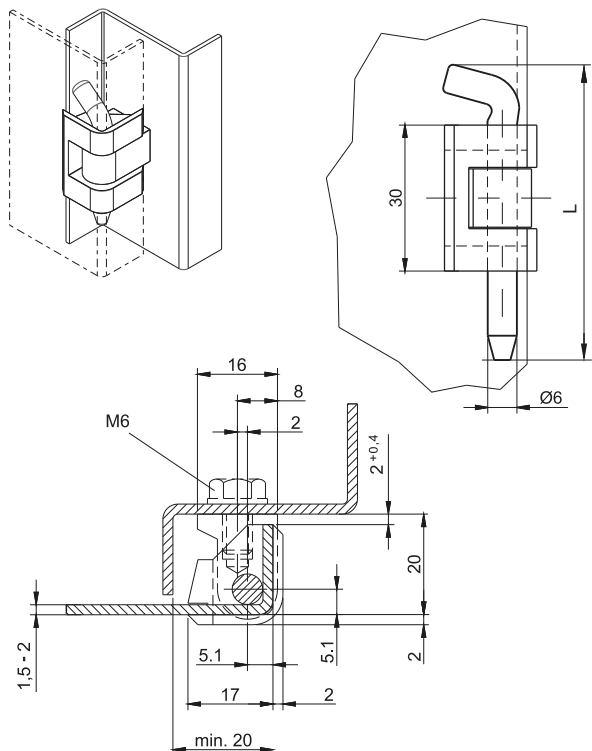
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST29.001	Holder, Base	Steel zinc plated
3.ST29.001SN	Holder, Base	Stainless steel



HINGE	D	d	L	H	A	B
3.ST102.001	27	14	70	30	101	50
3.ST102.002	27	14	90	30	101	50
3.ST102.006	20	12	55,5	24	80	40
CATALOGUE NO.	COMPONENTS			MATERIAL		
3.ST102.00X	Fin			Steel		
	Pin					

Версия
3.ZN70.001

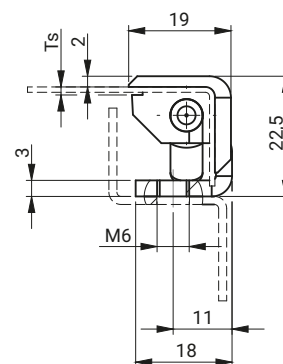
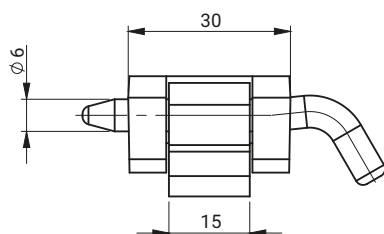
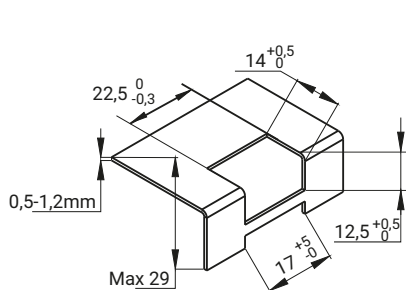
Версия
3.ZN70.003



Монтажное отверстие



НОМЕР В КАТАЛОГЕ	РАЗМЕР L [mm]		СОСТАВНЫЕ ЭЛЕМЕНТЫ	МАТЕРИАЛ	ПОКРЫТИЕ [C]				
					Хром	Никель	RAL9005	RAL7035	RAL7032
3.ZN70.001	56,5	70	Держатель, Стопа	ZAMAK 5	01	02	04	05	12
			Стержень	Оцинкованная сталь					
3.ZN70.003	51,5		Держатель, Стопа	ZAMAK 5	01	02	04	05	12
			Стержень	ПОМ					



Ts - Толщина монтажной жести [mm]

НОМЕР В КАТАЛОГЕ	Ts [mm]	СОСТАВНЫЕ ЭЛЕМЕНТЫ	МАТЕРИАЛ	ПОКРЫТИЕ [C]			
				Хром	Никель	RAL9005	RAL7035
3.ZN75.003	0,8-1,2	Держатель	ZAMAK 5	01	02	04	05
		Стержень, Стоп	Оцинкованная сталь				
3.ZN75.004	1,5-2,0	Держатель	ZAMAK 5	01	02	04	05
		Стержень, Стоп	Оцинкованная сталь				

Как заказывать:

Номер в каталоге

Размер L

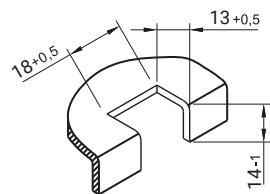
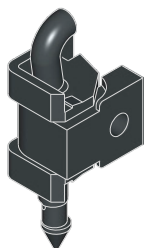
Покрытие

3.ZN75.001

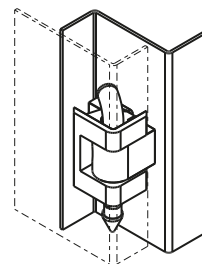
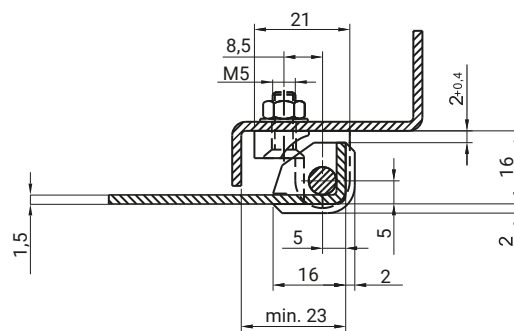
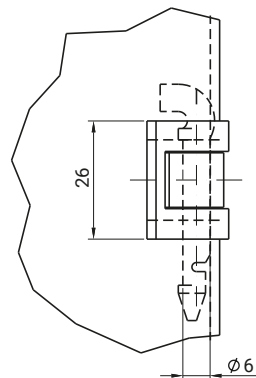
L

C

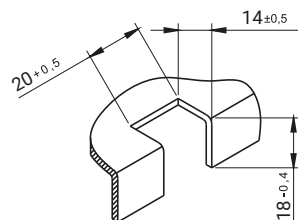
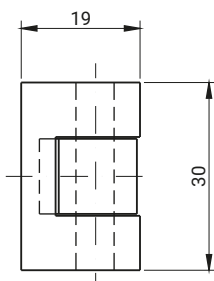
Hinge 3.ZN90, 3.ZN100



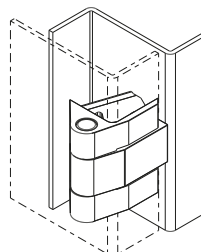
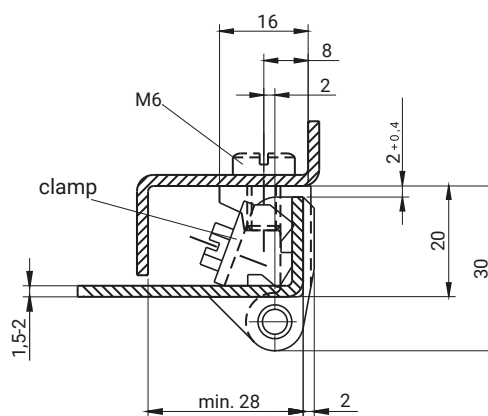
Mounting hole



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN90.001	Holder, Base, Pin	Polyamide	07	08



Mounting hole



* possibility to make a different color

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN100.001	Holder, Base	ZAMAK 5	04	05
	Close tight element, Pin	Steel zinc plated		

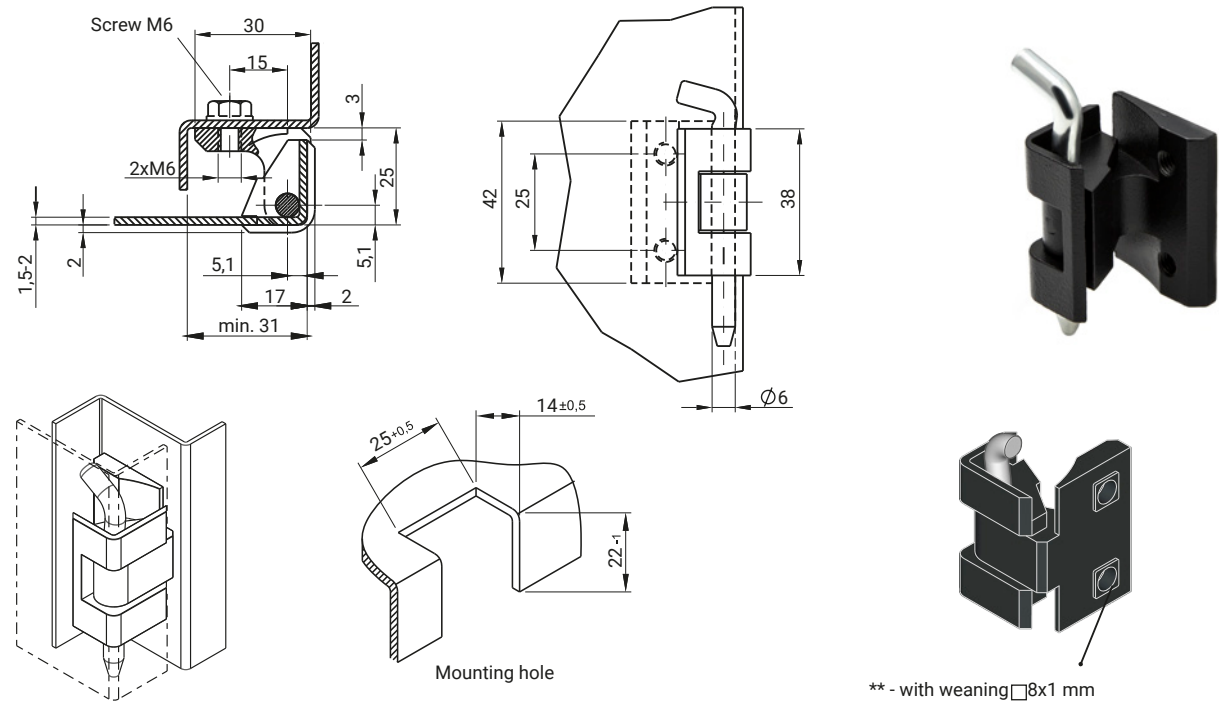
How to order:

Catalogue number

Finish

3.ZN100.001

C

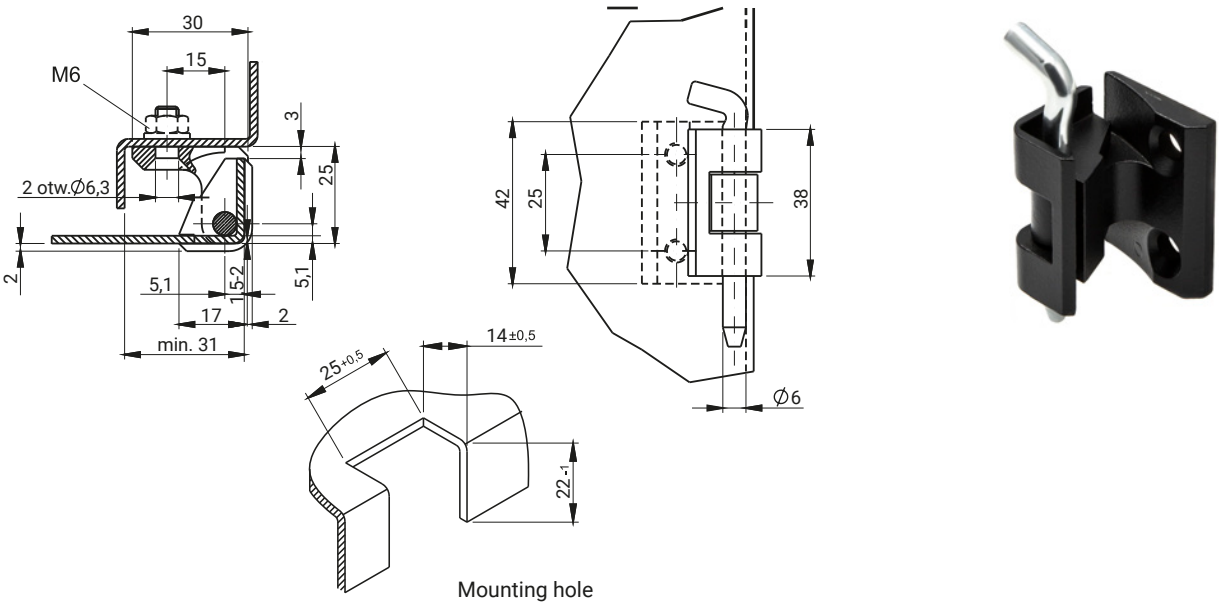


Can be ordered without thread

** possibility to order the hinge with the basewith weaning

* possibility to make a different color

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN80.001	Holder, Base	ZAMAK 5	04	05
	Pin	Steel zinc plated		



* possibility to make a different color

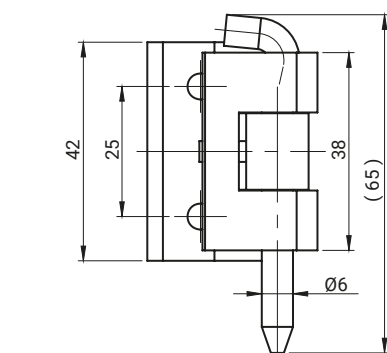
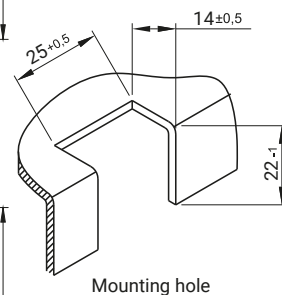
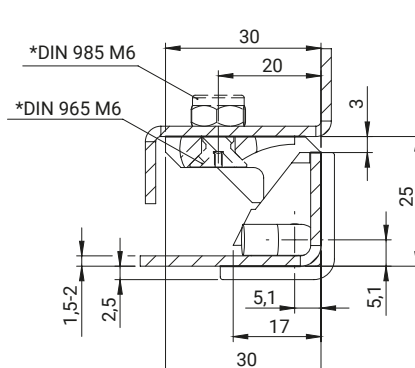
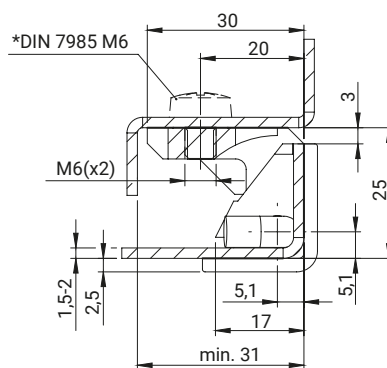
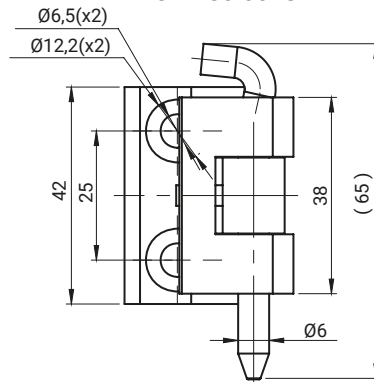
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN80.002	Holder, Base	ZAMAK 5	04	05
	Pin	Steel zinc plated		

How to order:

Catalogue number 3.ZN80.001 — C

Finish

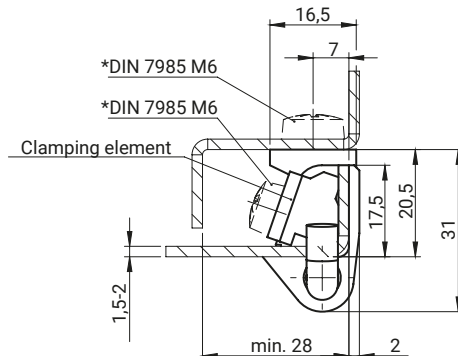
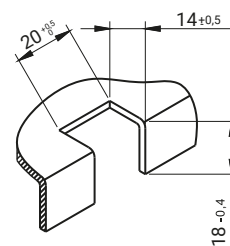
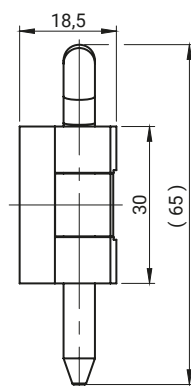
NEW

**3.ZN80.003SN****3.ZN80.004SN****3.ZN80.003SN****3.ZN80.004SN**

* not included in the scope of delivery

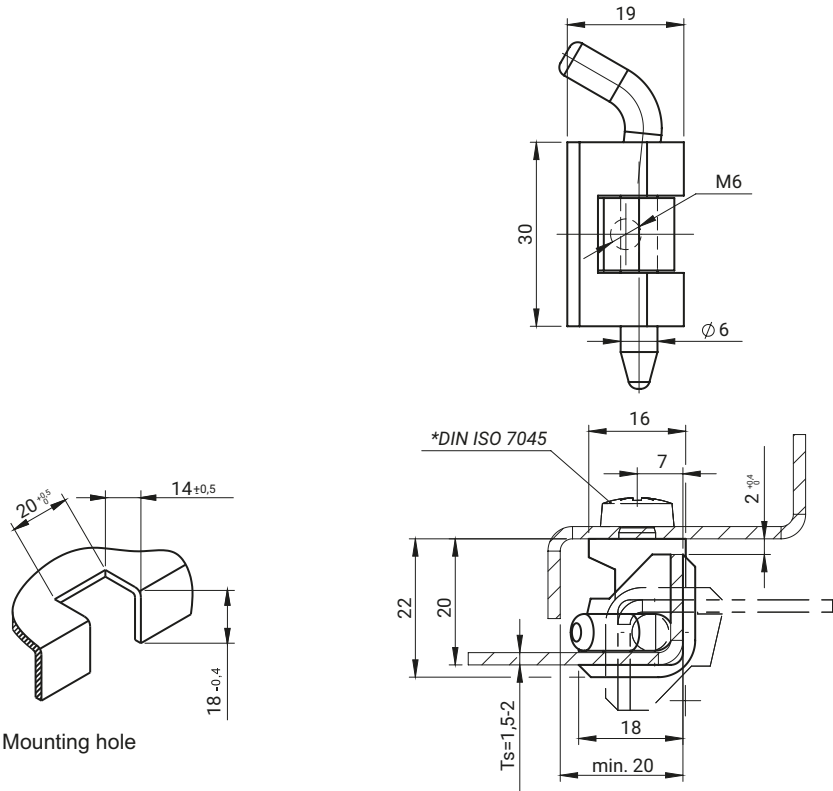
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ZN80.003SN	Holder, Base, Pin	Stainless steel (AISI 316)
3.ZN80.004SN		

NEW



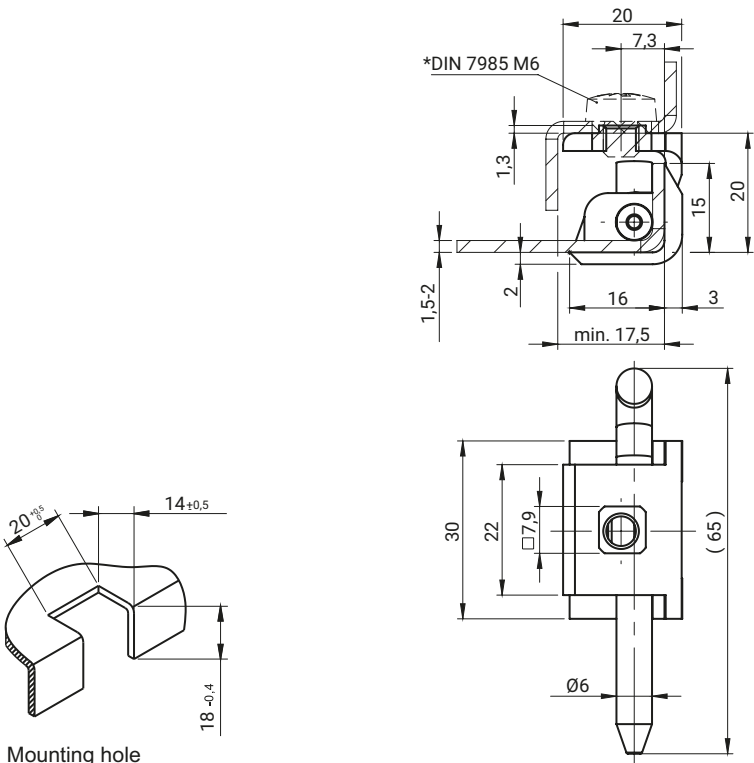
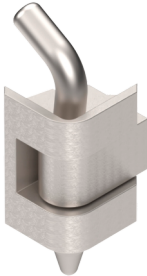
* not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ZN100.002SN	Holder, Base, Pin, Clamp	Stainless steel (AISI 316)



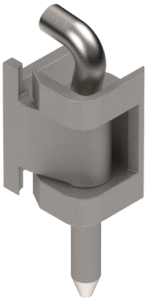
* not included in the scope of delivery

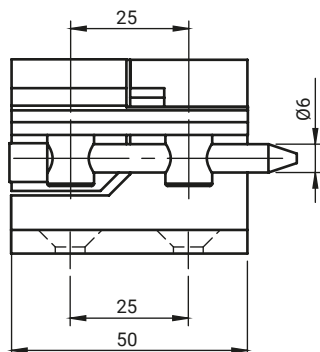
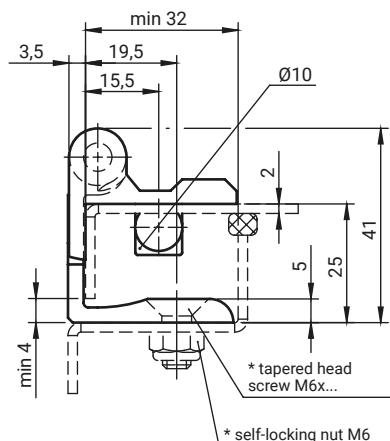
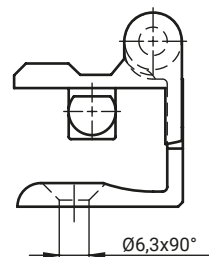
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ZN70.002SN	Holder, base, pin	Stainless steel (AISI 316)



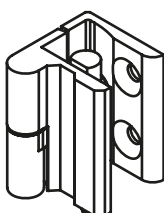
* not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ZN71.001SN	Holder, Base, Pin	Stainless steel (AISI 316)

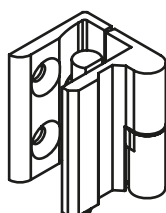
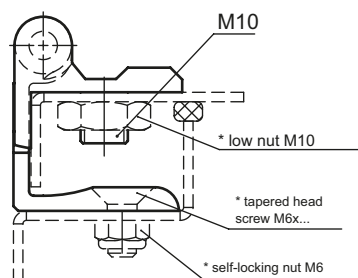
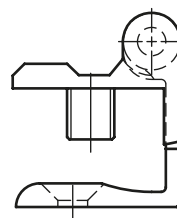
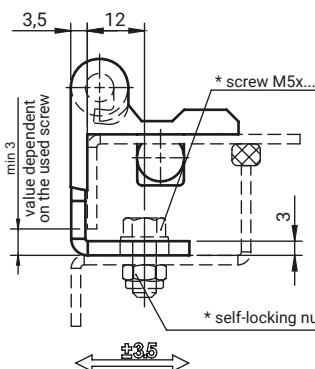
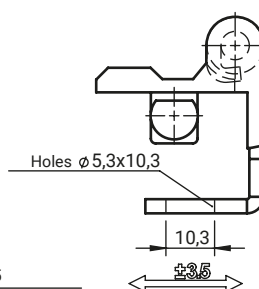


**3.ZN150.001****3.ZN150.002**

Left hinge



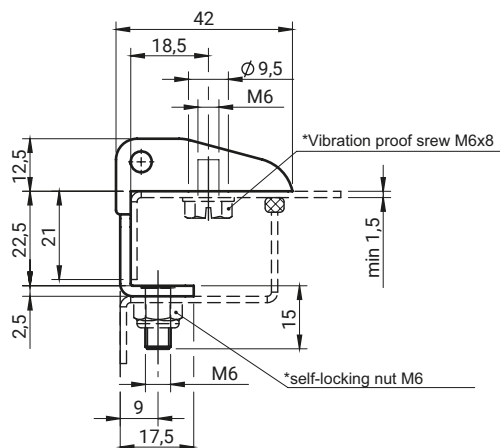
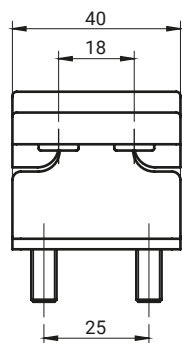
Right hinge

**3.ZN150.007****3.ZN150.008****3.ZN150.005****3.ZN150.006**

180° opening angle hinge with a lock to prevent the door from being removed from the cabinet when the door is closed and a door opening angle of less than ~60°

* not included in the scope of delivery

VERSION	CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
				RAL9005
Right	3.ZN150.001 3.ZN150.007	Holder	ZAMAK 5	04
		Base	ZAMAK 5	
Left	3.ZN150.002 3.ZN150.008	Screw	Poliamid	-
		Pin	Steel zinc plated	
Right	3.ZN150.005	Holder	ZAMAK 5	04
		Base	Steel	
Left	3.ZN150.006	Screw	Poliamid	-
		Pin	Steel zinc plated	



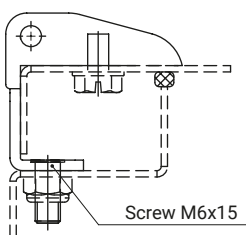
3.ZN154.001



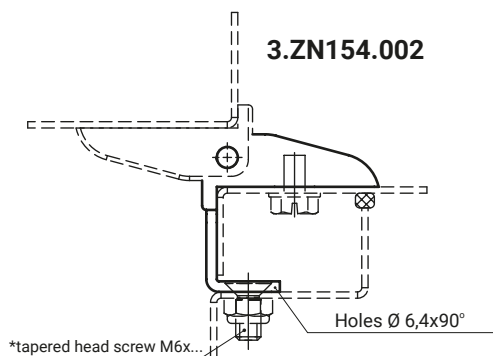
3.ZN154.002



3.ZN154.001



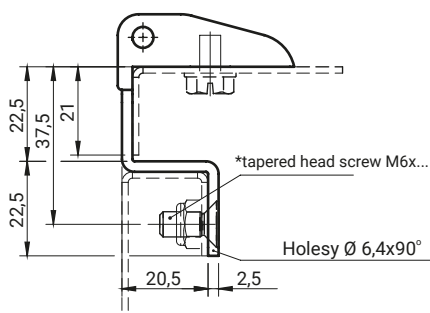
3.ZN154.002



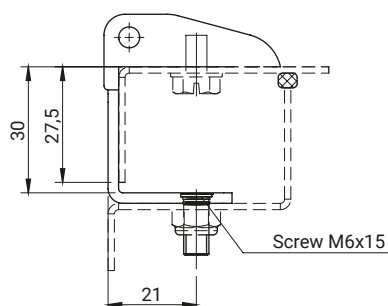
3.ZN154.003



3.ZN154.003



3.ZN154.010



3.ZN154.010



* not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN154.001	Holder	ZAMAK 5	04	05
3.ZN154.002	Base	Steel zinc plated		
3.ZN154.003	Pin	Stainless steel	-	-
3.ZN154.010				

How to order:

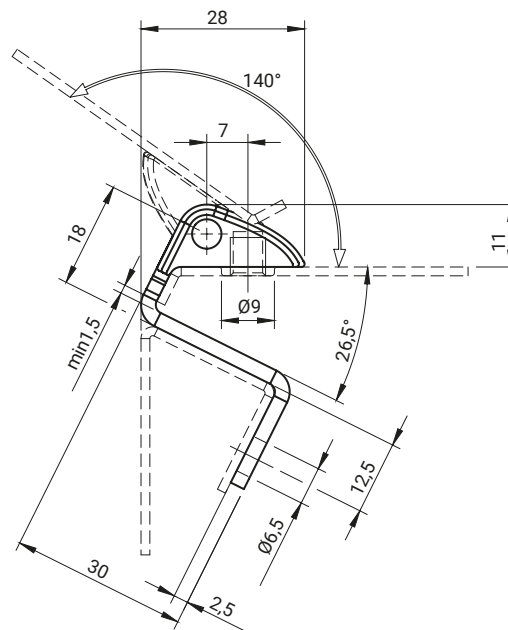
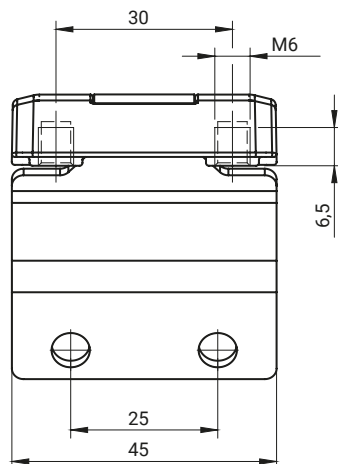
Catalogue number

Finish

3.ZN154.001

C

Hinge 3.ZN157.001, 3.ZN154.009



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ZN157.001	Holder	ZAMAK
	Base	Steel zinc plated
	Pin	Stainless steel
FINISH [C]		
RAL9005		RAL7035
04		05

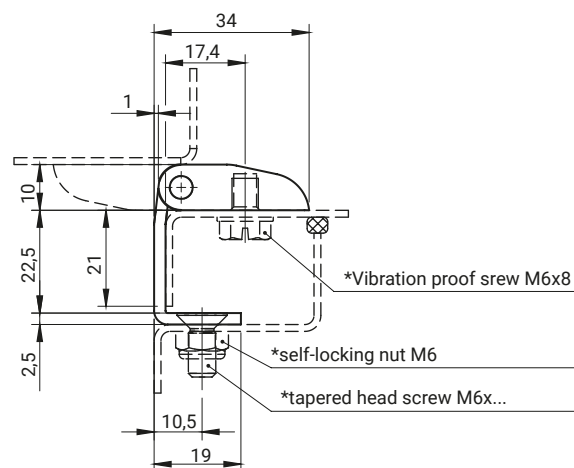
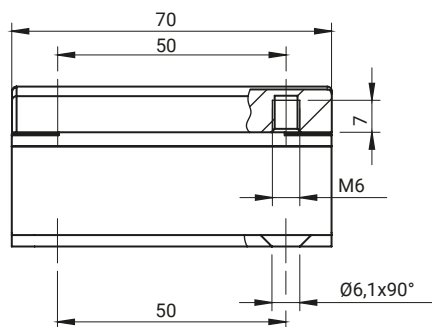
How to order:

Catalogue number

Finish [C]

3.ZN157.001

04



* not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN154.009	Holder	ZAMAK 5	04	05
	Base	Steel		
	Pin	Stainless steel	-	-

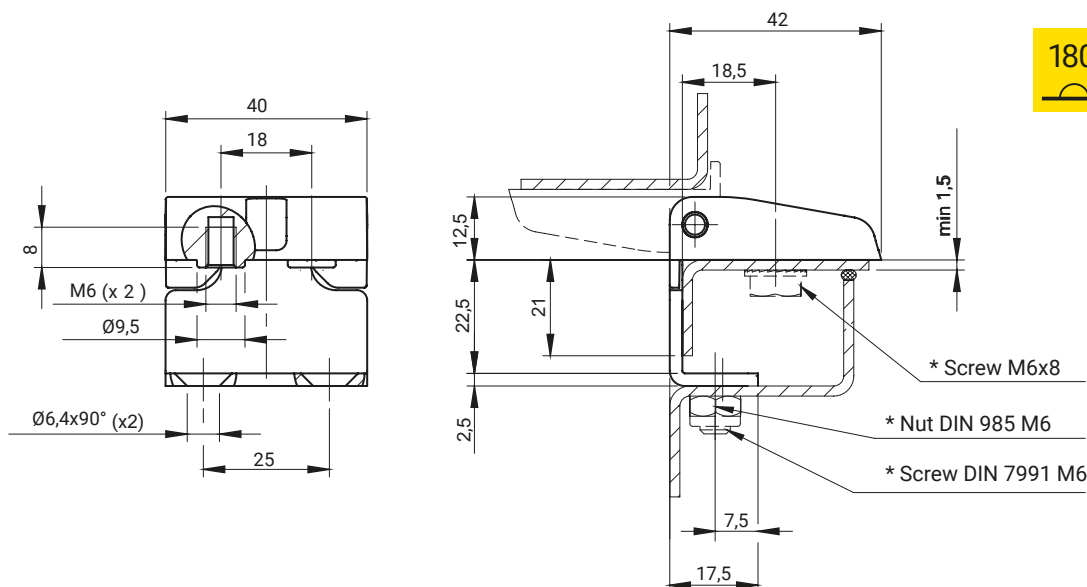
How to order:

Catalogue number

Finish [C]

3.ZN154.009

04



* not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN159.001	Holder	ZAMAK 5	04	05
	Base	Steel	-	-
	Pin	Stainless steel	-	-

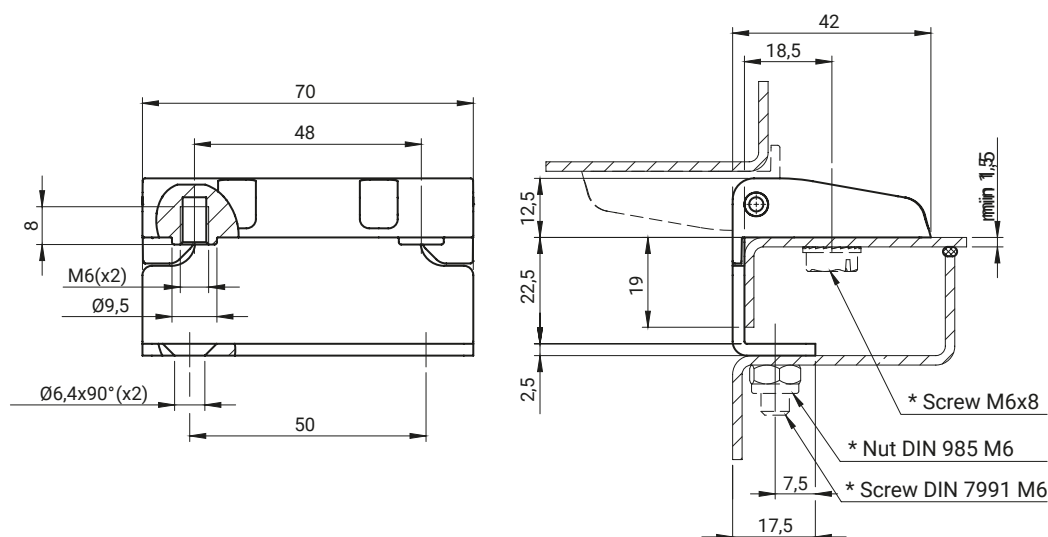
How to order:

Catalogue number

Finish [C]

3.ZN159.001

C



* not included in the scope of delivery

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ZN160.001	Holder	ZAMAK 5	04	05
	Base	Steel	-	-
	Pin	Stainless steel	-	-

How to order:

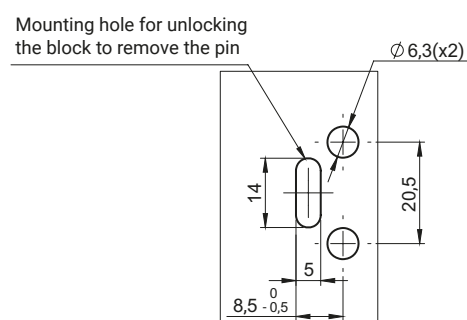
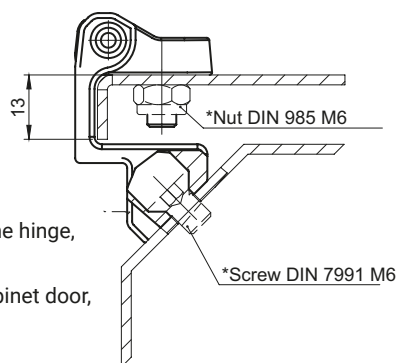
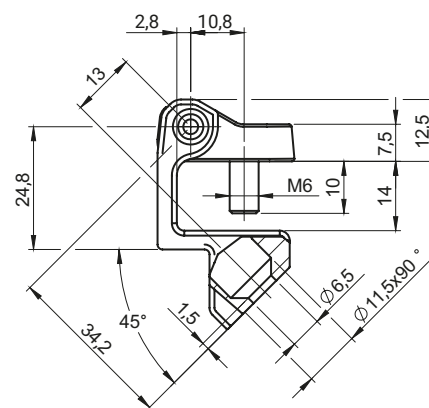
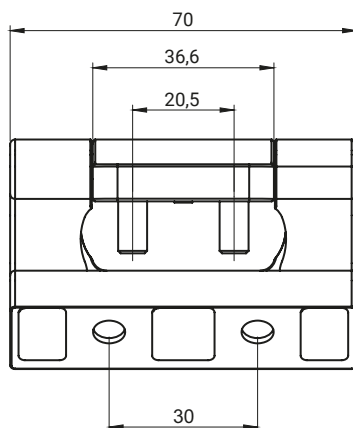
Catalogue number

Finish [C]

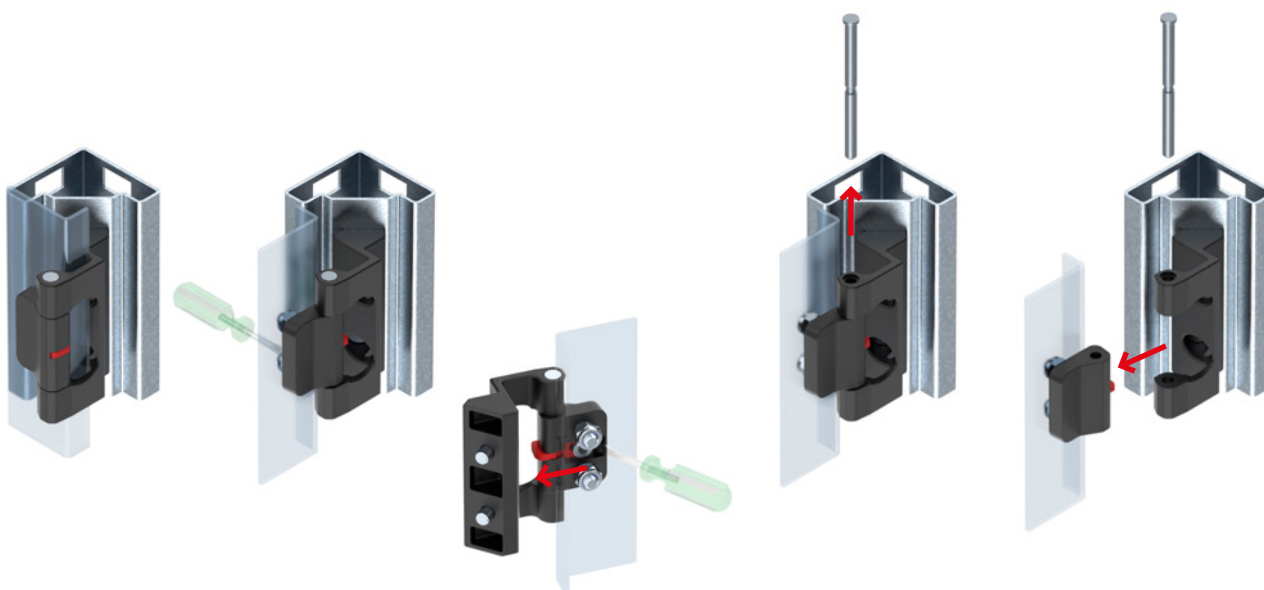
3.ZN160.001

C

Hinge 3.ZN119



- Quick-release hinge,
- Free removal of the door without unscrewing the hinge,
- Visible locking position of the pin,
- Unlocking not possible without opening the cabinet door,
- Can be made to individual profiles,
- 260° opening angle
- Patent



* not included in the scope of delivery

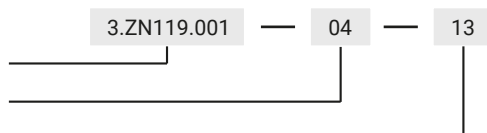
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]			AXIAL STRENGTH yield strength
			RAL9005	RAL7035	RAL3020	
3.ZN119.001	Holder, Base	ZAMAK 5	04	05	-	1800 N
	Blockade		04	05	13	
	Pin	Steel zinc plated	-	-	-	

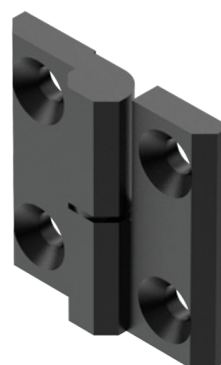
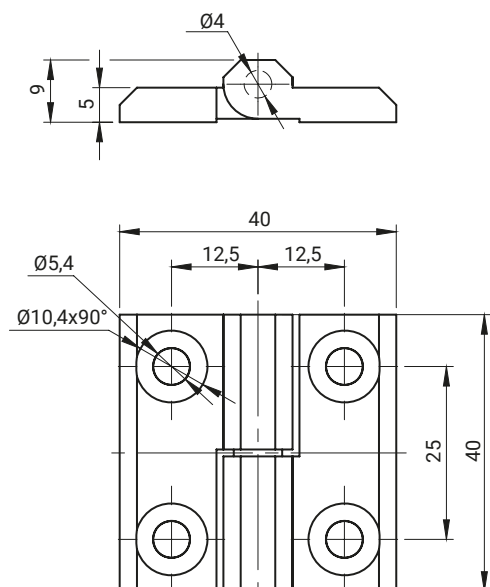
How to order :

Catalogue number

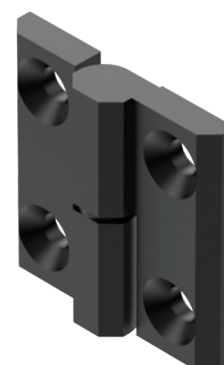
Finish[C]

Locking finish [C]





Version right
3.ZN60.201



Version left
3.ZN60.202

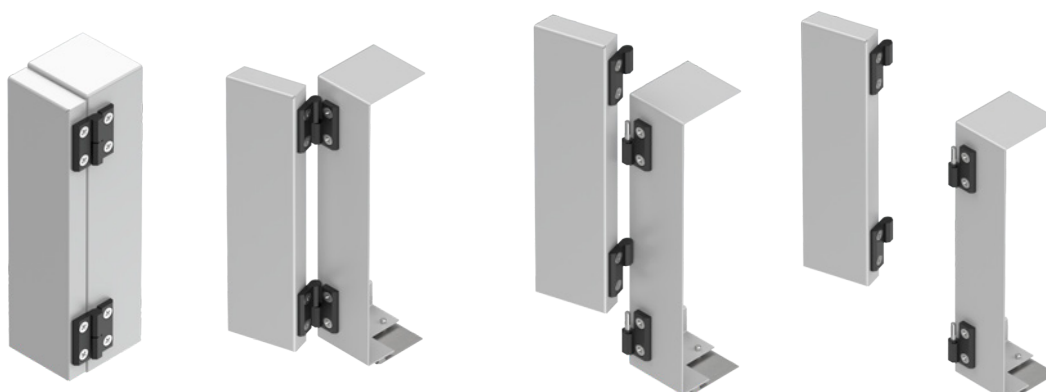


Version right
3.ZN60.201



Version left
3.ZN60.202

Door removal

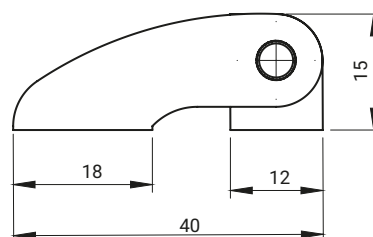
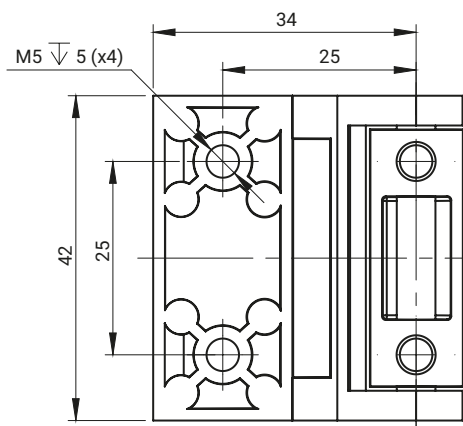


* Easy door removal without unscrewing the hinges

CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL	FINISH [C]	
				RAL 9005	Chrome
3.ZN60.201	Right	Holder, Base	ZAMAK 5	04	01
3.ZN60.202	Left	Pin	Stainless steel	-	-

Hinge 3.580, 3.590

NEW



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	Chrome
3.580.001	Holder, Base	ZAMAK 5	04	05
	Pin	Stainless steel	-	-

How to order :

Catalogue number

Finish[C]

3.580.001

04

NEW

LH/RH

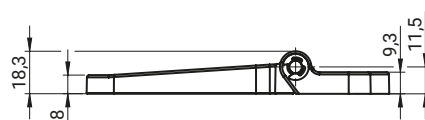


3.590.001

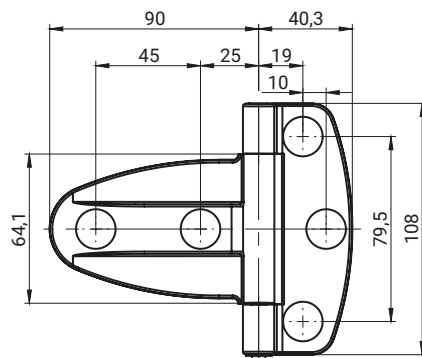
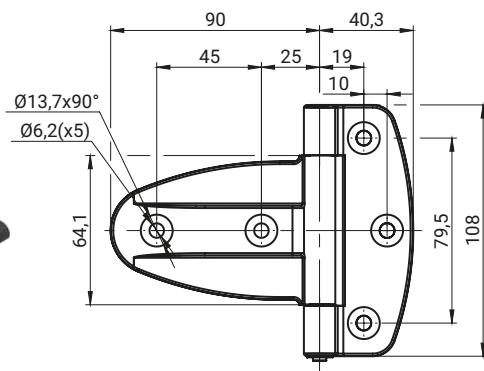
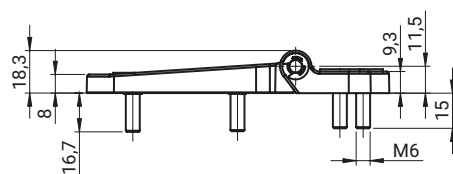


3.590.002

3.590.001



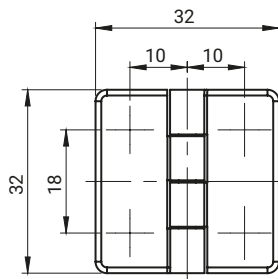
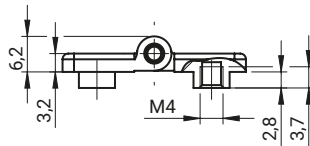
3.590.002



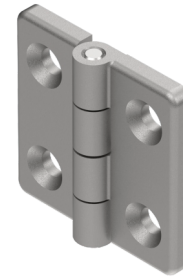
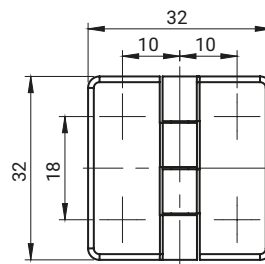
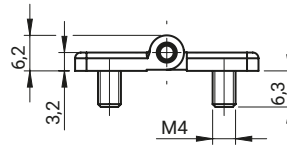
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	
3.590.001	Holder, Base	Polyamide PA6 GF30	07	
	Pin	Stainless steel	-	
3.590.002	Holder, Base	Polyamide PA6 GF30	07	
	Pin	Stainless steel	-	
	Pin	Oxidised steel	-	



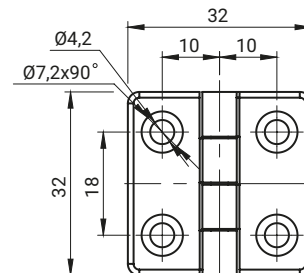
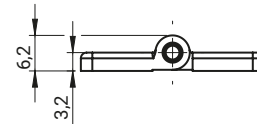
3.600.001



3.601.001



3.602.001



CATALOGUE NO.	COMPONENTS	MATERIAL
3.600.001	Holder, Base	Stainless steel (AISI 316)
3.601.001		
3.602.001	Pin	

Test results for max. load of external hinges

CATALOGUE NO.	MAX. WORKING LOAD [N]		
	AXIAL FORCE	RADIAL FORCE	FORCE AT 90° BENDING
3.505.001	3160	-	3770
3.509.02	900	2140	-
3.509.12	1425	2395	-
3.509.32	875	2020	-
3.510.02	690	2100	-
3.510.12	660	2200	-
3.510.22	660	2200	-
3.510.32	650	2580	-
3.511.11	4420	4650	-
3.511.22	4420	4650	-
3.511.32	3735	5740	-
3.512.12	2850	5140	-
3.513.12	1930	3640	-
3.516.001	950	1490	-
3.517.003	540	520	-
3.518.001	370	260	-
3.518.002	510	460	-
3.519.04.00	520	1680	-
3.519.04.15	350	890	-
3.526.001	1910	1610	-
3.526.002	1910	1610	-
3.527.001	750	1470	-
3.535.001	1210	1130	-
3.544.001	1120	1090	-
3.544.002	1120	1090	-
3.545.001	710	1340	-
3.545.002	830	1720	-
3.547	2400	-	9200
CATALOGUE NO.	AXIAL FORCE	RADIAL FORCE	ROTATING TORQUE ² [Nm]
3.572.001	450	300	0,45
3.572.101	450	300	0,45
3.572.002	450	300	0,65
3.572.102	450	300	0,65
3.572.003	450	300	0,85
3.572.103	450	300	0,85
CATALOGUE NO.	AXIAL FORCE	RADIAL FORCE	FORCE AT 90° BENDING
3.ST18.001	2470	2550	-
3.ST18.001SN	3190	3280	-
3.ST21.001	1330	4740	-
3.ST21.107	1430	5180	-
3.ST23.001	2440	1910	-
3.ST23.001SN	2540	3130	-
3.ST29.001	1280	5420	-
3.ST29.001SN	1240	-	-
3.ST35.001	3100	3320	-
3.ST35.001SN	2790	3180	-
3.ST37.001	730	410	-
3.ST37.001SN	1060	475	-

¹ The maximum working load is the value above which deformation or damage to the hinge will occur during operation. When calculating the permissible load, the designer is required to apply an appropriate safety factor, appropriate to the importance and safety level of the application.

² Nominal torque deviation: ±20% at 10.000 cycles.

Test results for max. load of external hinges

CATALOGUE NO.	MAX. WORKING LOAD [N]		
	AXIAL FORCE		FORCE AT 90° BENDING
3.ST48.001	1240	1210	-
3.ST48.002	2740	1160	-
3.ST48.003	1500	1150	-
3.ST48.001SN	1230	1470	-
3.ST48.002SN	2840	1590	-
3.ST48.003SN	1570	1530	-
3.ST53.001	1010	2490	-
3.ST55.001	1880	1760	-
3.ST55.001SN	2440	2510	-
3.ST56.002	1000	2500	-
3.ST56.002SN	1200	2940	-
3.ST56.100	1080	2850	-
3.ST56-2.001	1330	2990	-
3.ST56-2.002	2310	3820	-
3.ST108.20Y	1700	1350	-
3.ST114.001	1580	1940	-
3.ST127.002SN	600	610	-
3.ST133.001SN	4100	7600	-
3.ST145.001SN	1660	1550	-
3.STZH3-1.001	1140	1430	-
3.ZN20.001	650	-	740
3.ZN30.101	410	560	-
3.ZN30.102	340	510	-
3.ZN30.103	330	660	-
3.ZN48-PA.001	1060	1580	-
3.ZN48-PA.101	1060	1580	-
3.ZN60.001	1770	2270	-
3.ZN60.002	1930	1970	-
3.ZN60.101	900	1620	-
3.ZN60.102	1080	1860	-
3.ZN60.103	990	1600	-
3.ZN67.001	2750	3430	-
3.ZN67.002	2750	3430	-
3.ZN70.001	1600	1400	-
3.ZN75.003	610	1390	-
3.ZN80.001	2440	2010	-
3.ZN80.002	2770	2780	-
3.ZN100.001	790	280	-
3.ZN105.001	1640	1000	-
3.ZN119.001	2010	-	-
3.ZN120.001	870	330	-
3.ZN120.002	1230	320	-
3.ZN140.001	1200	350	1600
3.ZN140.002	1200	350	1600
3.ZN150.001	1180	420	-
3.ZN150.002	1180	420	-
3.ZN150.007	1180	420	-
3.ZN150.008	1180	420	-

The maximum working load is the value above which deformation or damage to the hinge will occur during operation. When calculating the permissible load, the designer is required to apply an appropriate safety factor, appropriate to the importance and safety level of the application.

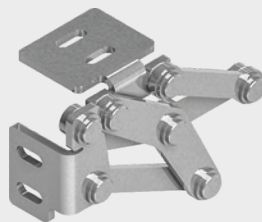
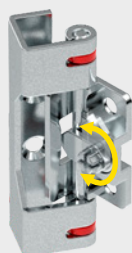
Test results for max. load of external hinges

CATALOGUE NO.	MAX. WORKING LOAD [N]		
	AXIAL FORCE	RADIAL FORCE	FORCE AT 90° BENDING
3.ZN154.002	1230	410	-
3.ZN154.003	700	830	-
3.ZN154.009	1310	760	-
3.ZN155.001	1390	560	-
3.ZN155.002	1130	590	-
3.ZN158.001	1940	5190	-
3.ZN158.002SN	4120	5540	-
3.ZN159.001	1550	510	-
3.ZN160.001	1700	880	-
3.ZN210.001	2100	-	2200
3.ZN210.003	1400	-	1590

The maximum working load is the value above which deformation or damage to the hinge will occur during operation. When calculating the permissible load, the designer is required to apply an appropriate safety factor, appropriate to the importance and safety level of the application.

Internal hinges

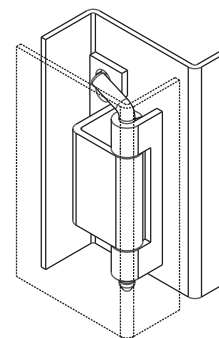
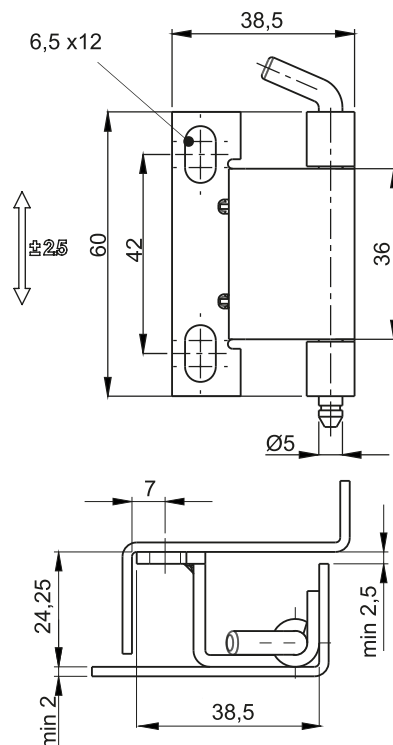
3B



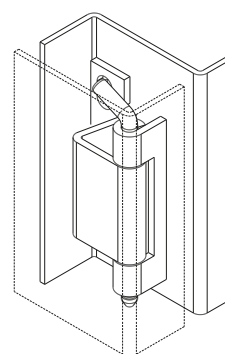
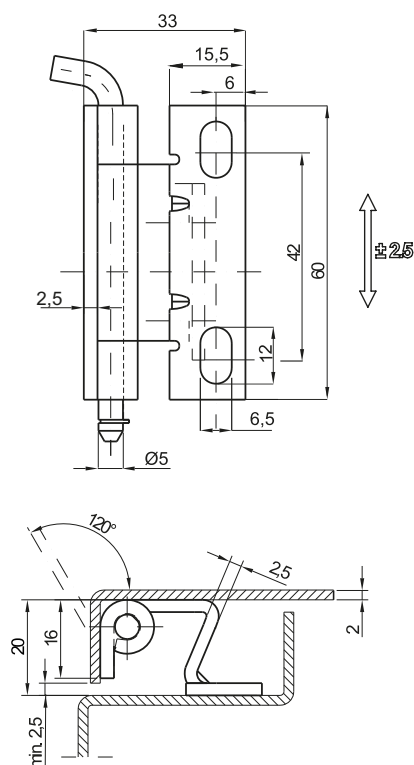
Internal hinges

3B

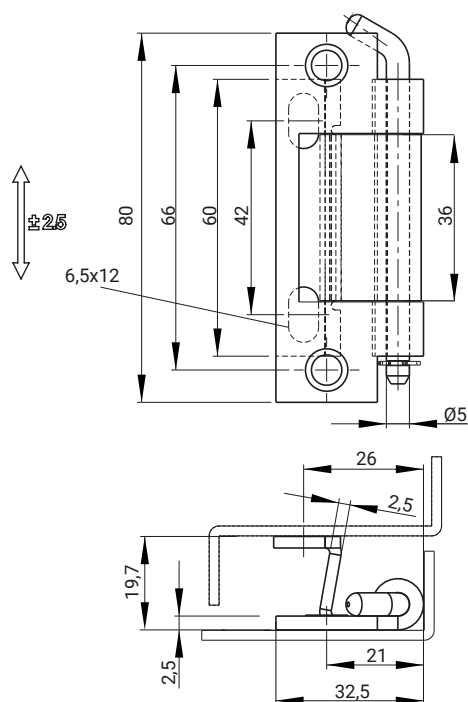
Hinge 3.ST4-1, 3.ST4



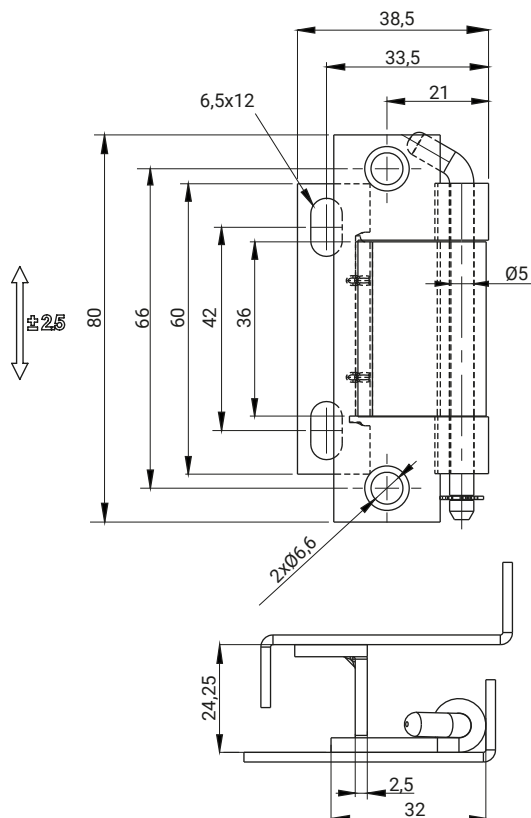
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST4-1.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST4-1.001SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST4.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST4.001SN	Holder, Base, Pin	Stainless steel

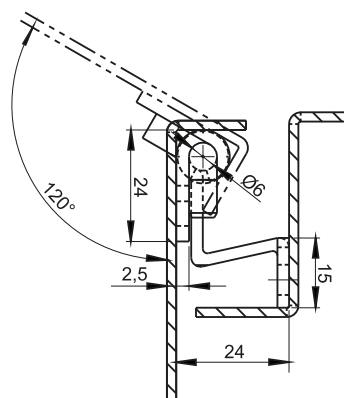
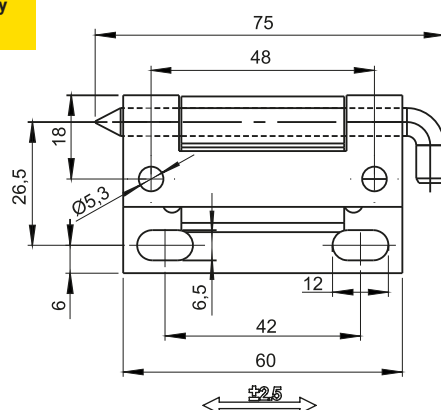


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST4-2.001	Holder, Base, Pin	Steel zinc plated
3.ST4-2.001SN	Holder, Base, Pin	Stainless steel

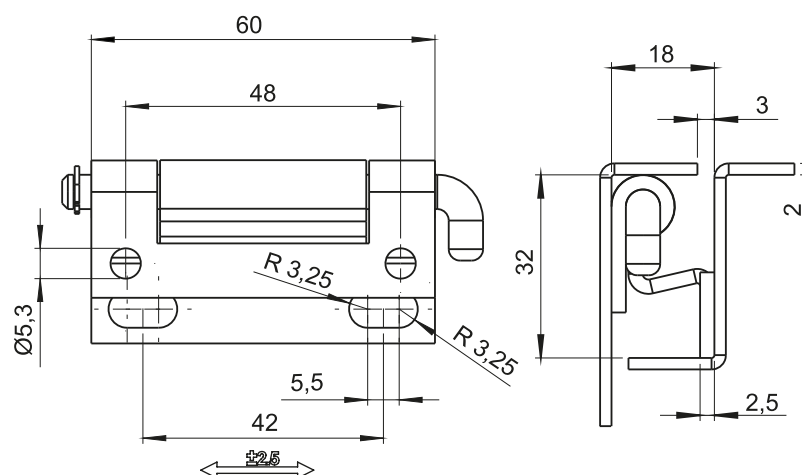


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST4-4.001	Holder, Base, Pin	Steel zinc plated
3.ST4-4.001SN	Holder, Base, Pin	Stainless steel

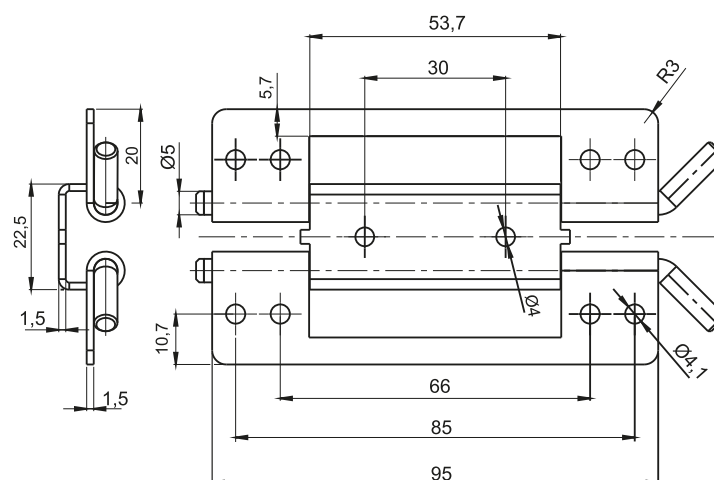
Hinge 3.ST27, 3.ST27-1, 3.ST54



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST27.001	Holder, Base, Pin	Steel zinc plated
3.ST27.001SN	Holder, Base, Pin	Stainless steel

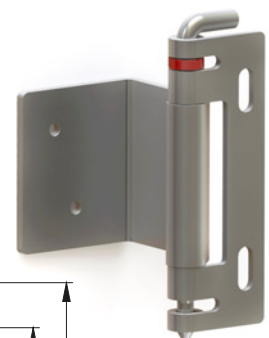
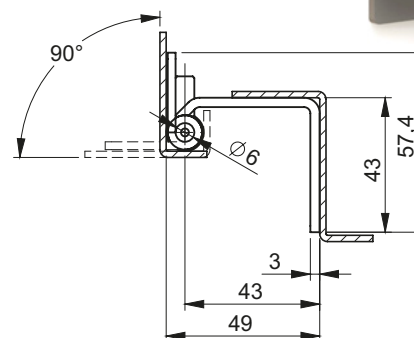
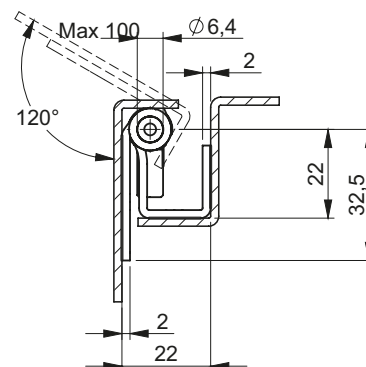


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST27-1.001	Holder, Base, Pin	Steel zinc plated
3.ST27-1.001SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST54.001	Holder, Base, Pin	Steel zinc plated
3.ST54.001SN	Holder, Base, Pin	Stainless steel

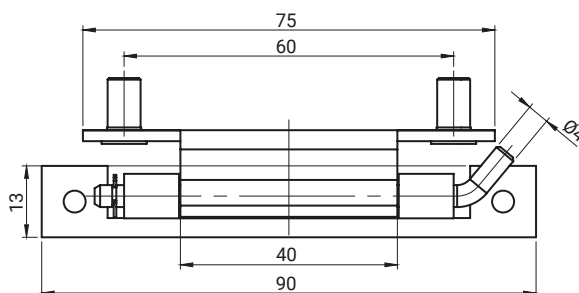
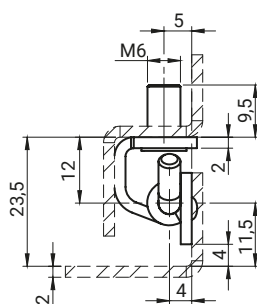
RST Roztocze
LOCKING SOLUTIONS



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST115.002	Holder, Base, Pin	Steel zinc plated
3.ST115.002SN	Pin blockage	POM
	Holder, Base, Pin	Stainless steel

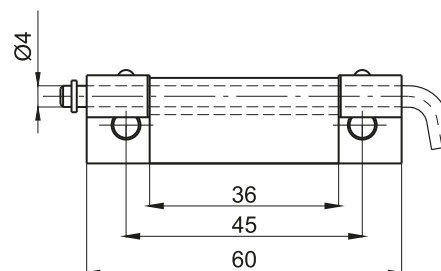
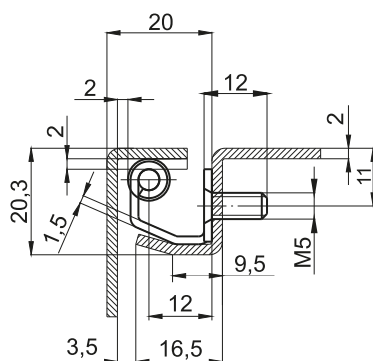
Hinge 3.ST47, 3.ST13

stainless
steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST47.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST47.001SN	Holder, Base, Pin	Stainless steel

stainless
steel

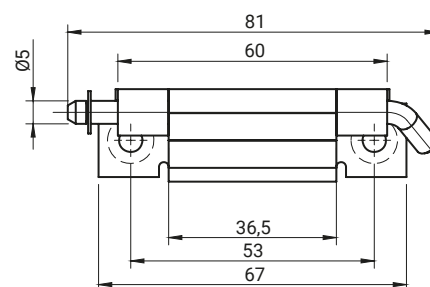
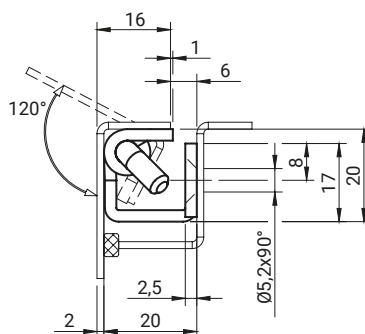
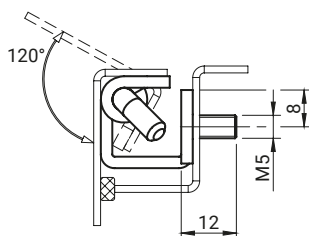


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST47.002	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST47.002SN	Holder, Base, Pin	Stainless steel

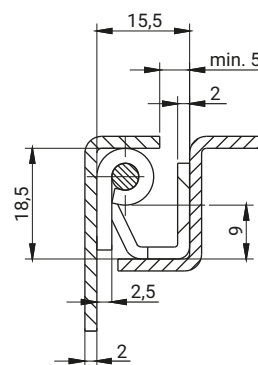
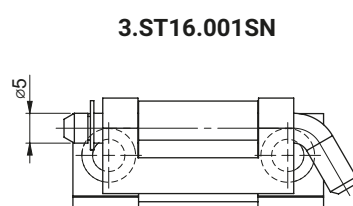
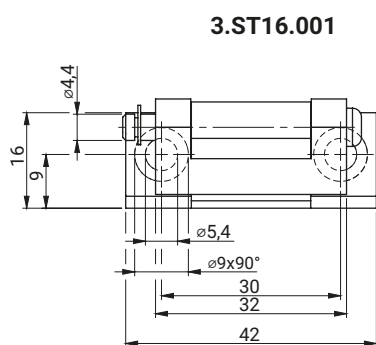
stainless
steel

3.ST13.002

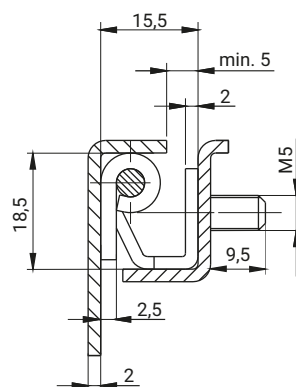
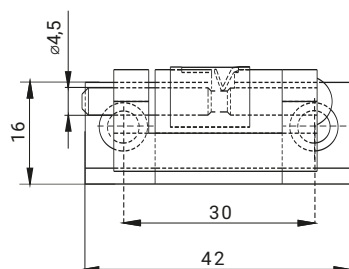
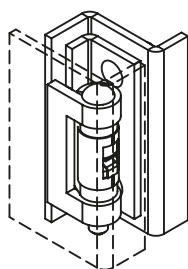
3.ST13.001



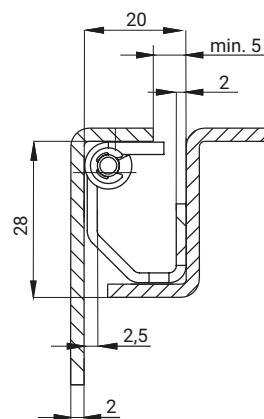
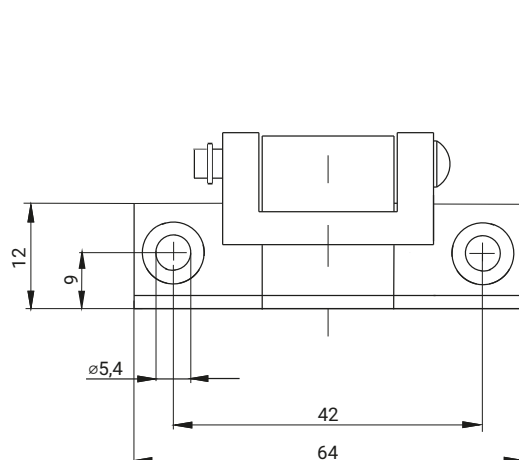
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST13.001 3.ST13.002	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST13.001SN 3.ST13.002SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST16.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST16.001SN	Holder, Base, Pin	Stainless steel

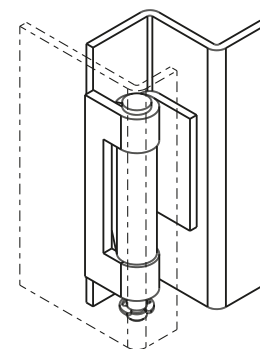
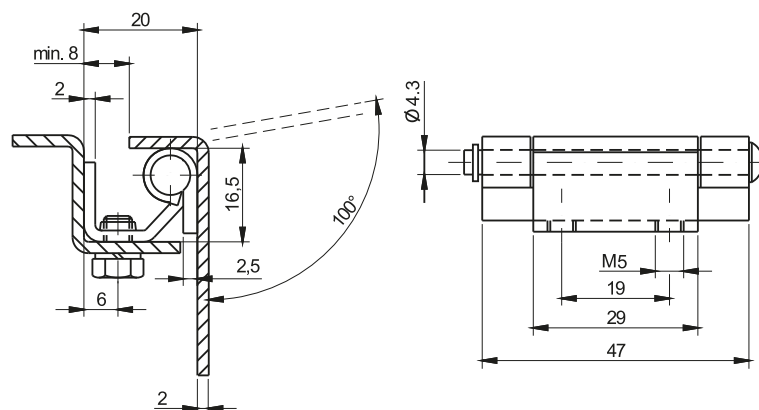


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST16.004	Holder	Steel
	Base, Pin	Steel zinc plated
	Spring	Stainless steel

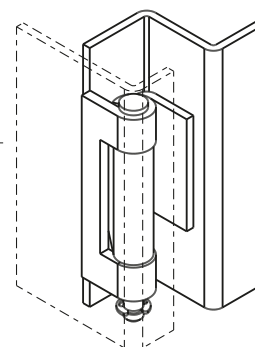
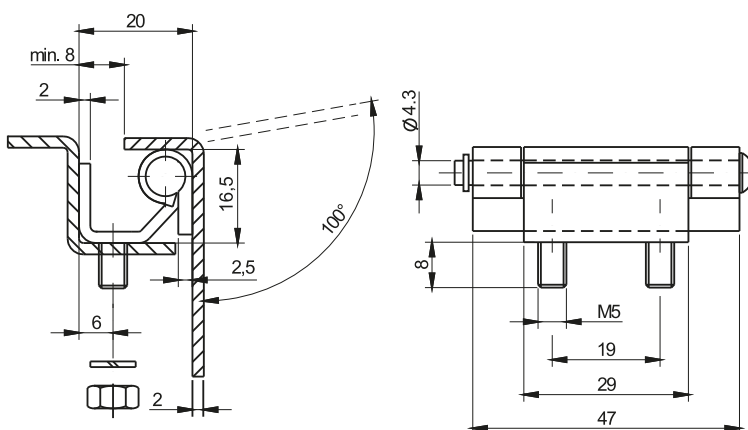


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST16.006	Base, Pin	Steel zinc plated
	Holder	Steel

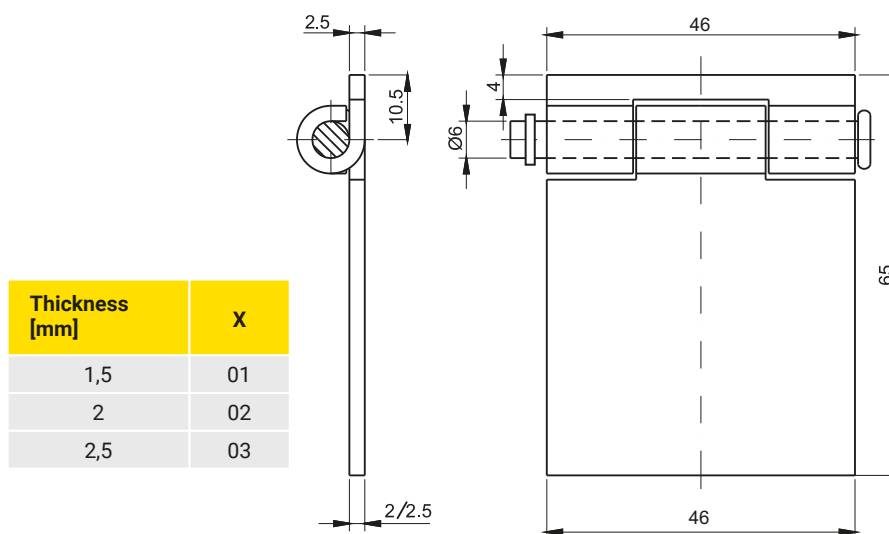
Hinge 3.ST5, 3.ST6



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST5.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST5.001SN	Holder, Base, Pin	Stainless steel

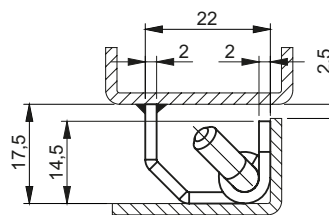
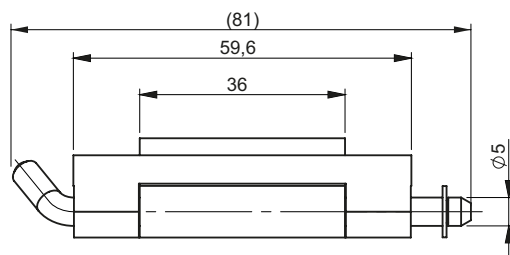


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST5.003	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST5.003SN	Holder, Base, Pin	Stainless steel

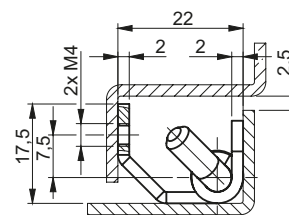
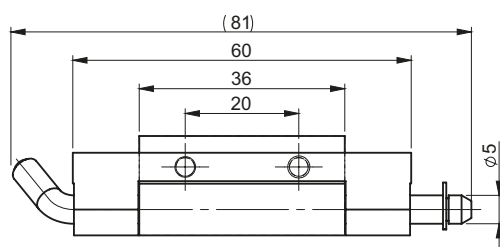


Thickness [mm]	X
1,5	01
2	02
2,5	03

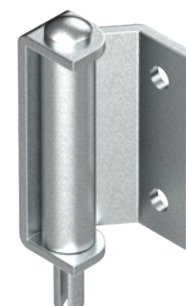
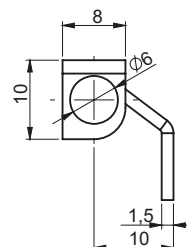
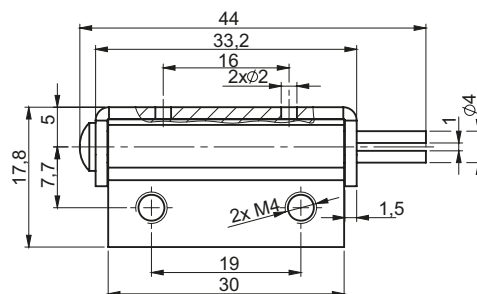
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST6.001.X	Holder, Base	Steel
	Pin	Steel zinc plated
3.ST6.001SN.X	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST43.001	Holder	Steel
	Pin, Base	Steel
3.ST43.001SN	Holder, Base, Pin	Stainless steel

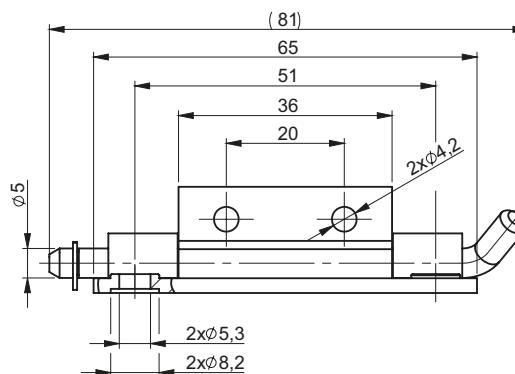
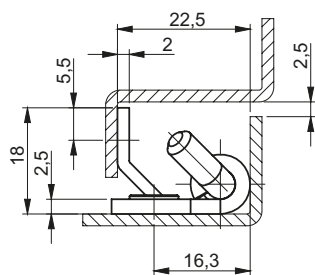
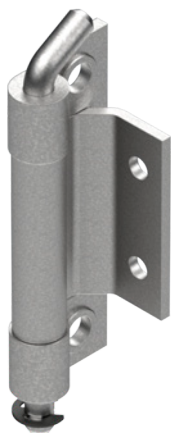


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST43.002	Holder	Steel
	Pin, Base	Steel zinc plated
3.ST43.002SN	Holder, Base, Pin	Stainless steel

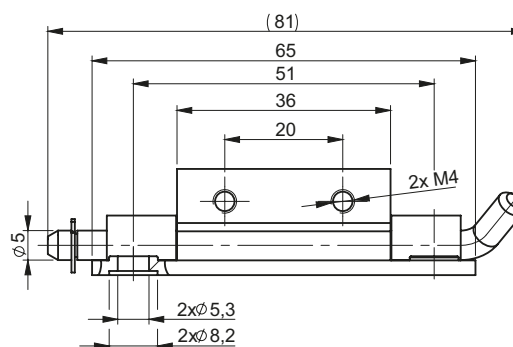
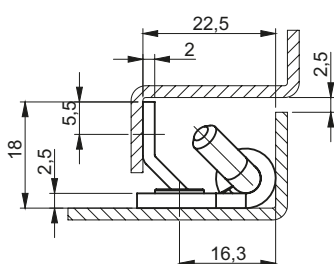


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST43-2.001	Holder, Base, Pin	Steel zinc plated
3.ST43-2.001SN	Holder, Base, Pin	Stainless steel

Hinge 3.ST43

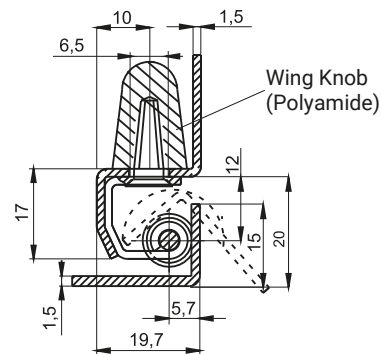
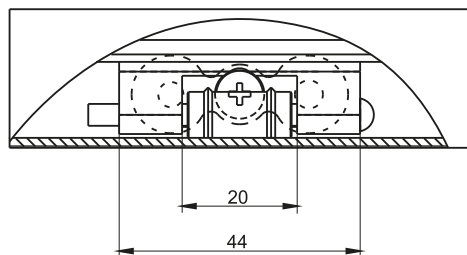


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST43.003	Holder, Pin	Steel zinc plated
	Base	Steel zinc plated
3.ST43.003SN	Holder, Base, Pin	Stainless steel

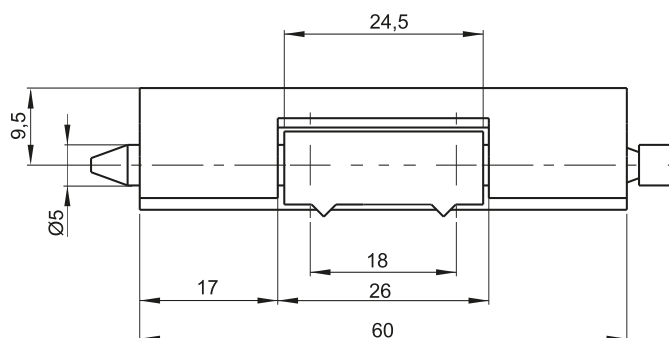
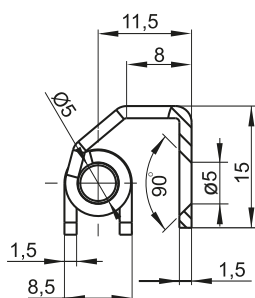


* - possibility to order the hinge version without cover

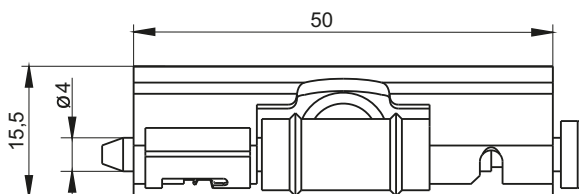
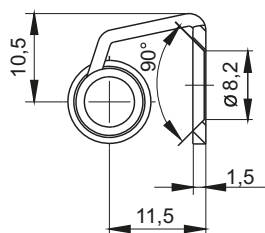
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST43.004*	Holder, Pin	Steel zinc plated
	Base	Steel zinc plated
3.ST43.004SN	Holder, Base, Pin	Stainless steel



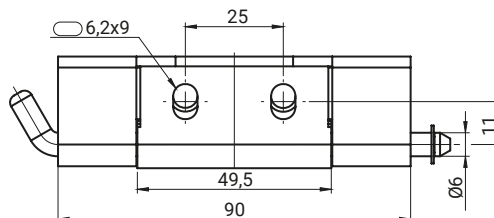
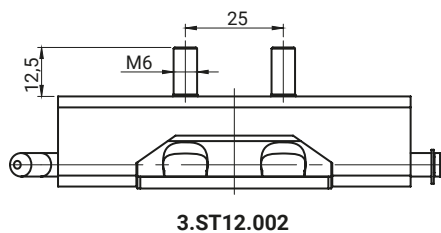
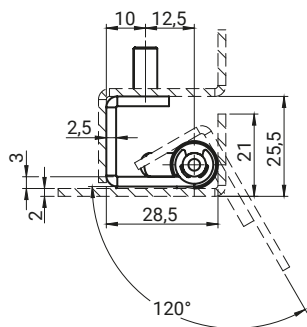
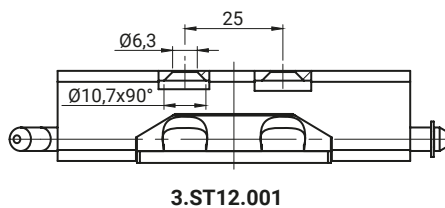
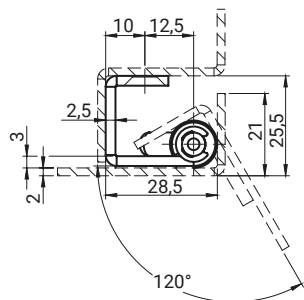
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST32.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST32.001SN	Holder, Base, Pin	Stainless steel



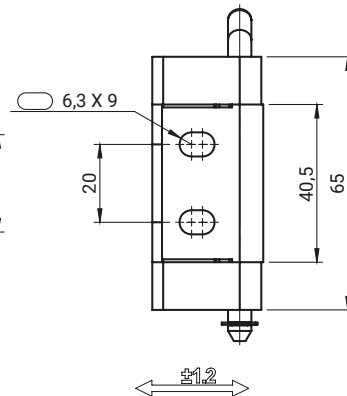
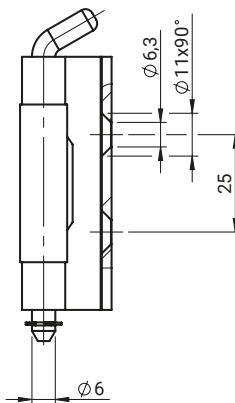
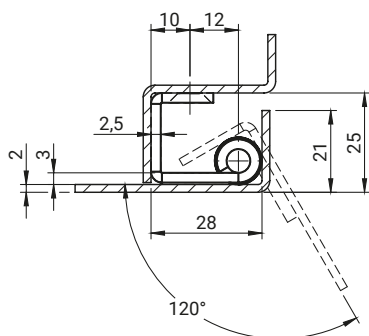
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST32.003	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST32.003SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST32.005	Base, Pin	Steel zinc plated
	Holder	Steel

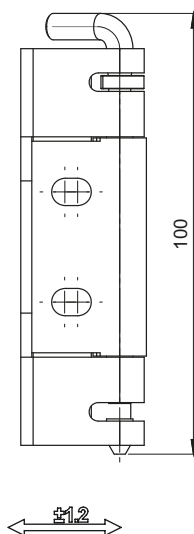


CATALOGUE NO.		COMPONENTS	MATERIAL
3.ST12.001	3.ST12.002	Holder, Base, Pin	Steel zinc plated
3.ST12.001SN	3.ST12.002SN	Holder, Base, Pin	Stainless steel

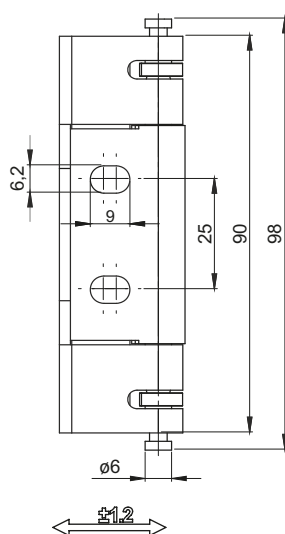


CATALOGUE NO.		COMPONENTS	MATERIAL
3.ST12-2.001		Holder, Base, Pin	Steel zinc plated
3.ST12-2.001SN		Holder, Base, Pin	Stainless steel

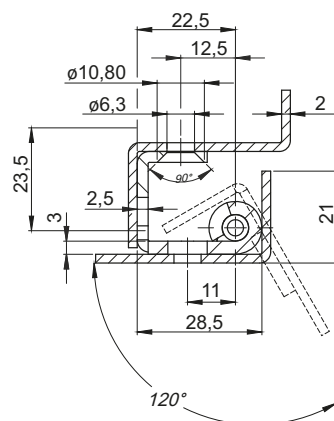
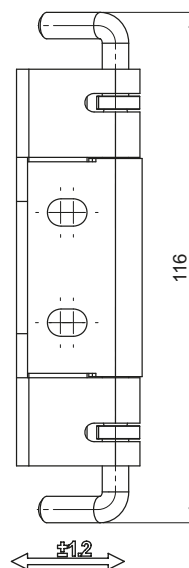
3.ST12B.001



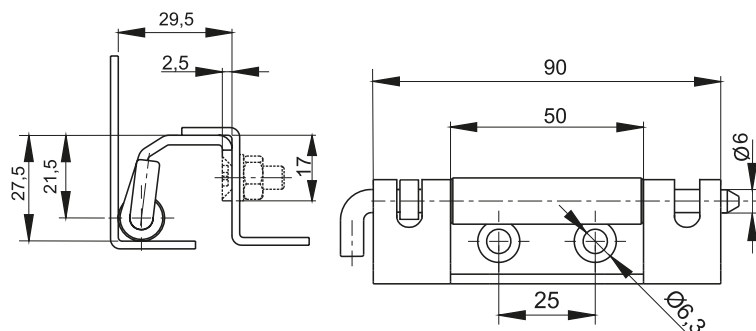
3.ST12B.002



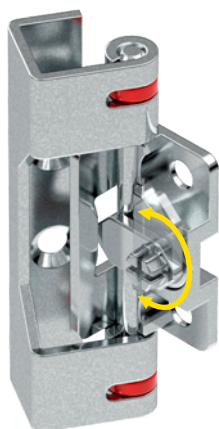
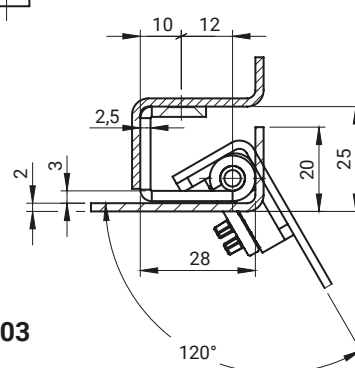
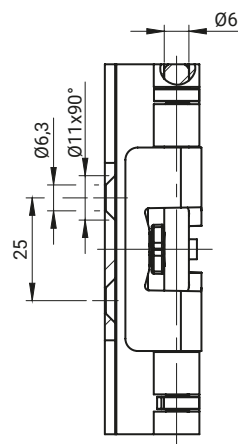
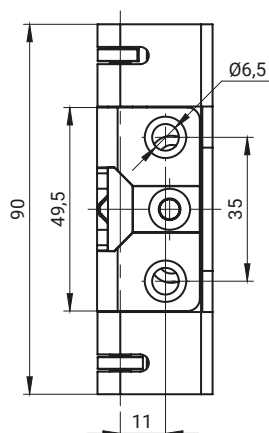
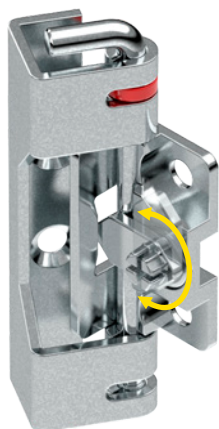
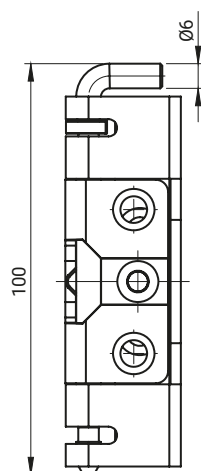
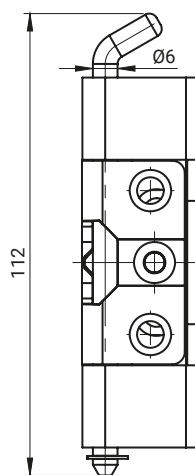
3.ST12B.003



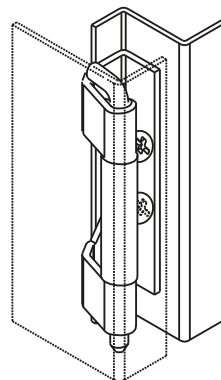
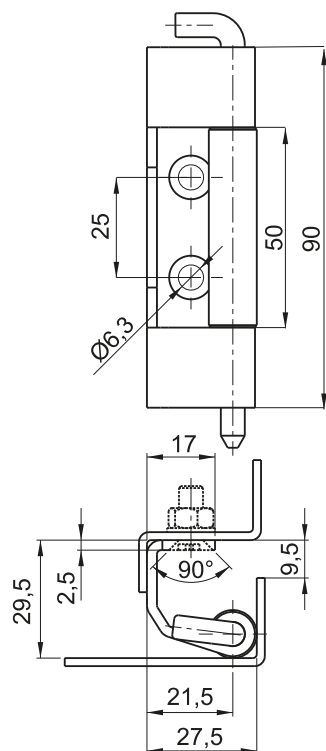
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST12B.001 3.ST12B.002 3.ST12B.003	Holder, Base, Pin	Steel zinc plated
	Blockade	POM
3.ST12B.001SN 3.ST12B.002SN 3.ST12B.003SN	Holder, Base, Pin	Stainless steel
	Blockade	POM



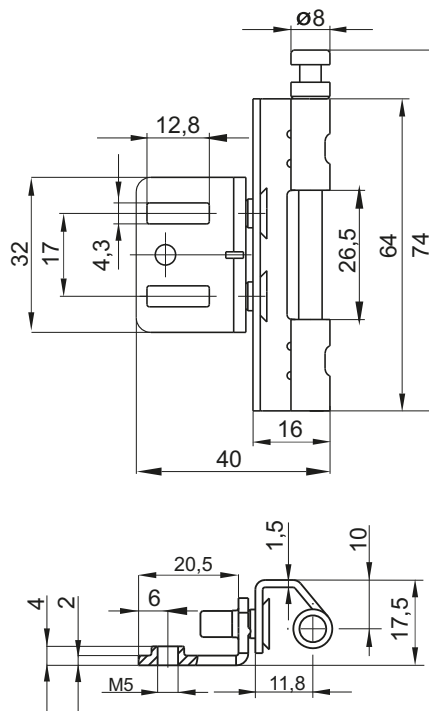
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST12-1B.001	Holder, Base, Pin	Steel zinc plated
	Blocade	POM
3.ST12-1B.001SN	Holder, Base, Pin	Stainless steel

**3.ST147.001****3.ST147.001****3.ST147.002****3.ST147.002****3.ST147.003**

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST147.001 3.ST147.002	Base, Pin	Steel zinc plated
	Holder	ZAMAK 5
	Blockade	POM
3.ST147.003	Base, Pin	Steel zinc plated
	Holder	ZAMAK 5



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST12-1.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST12-1.001SN	Holder, Base, Pin	Stainless steel

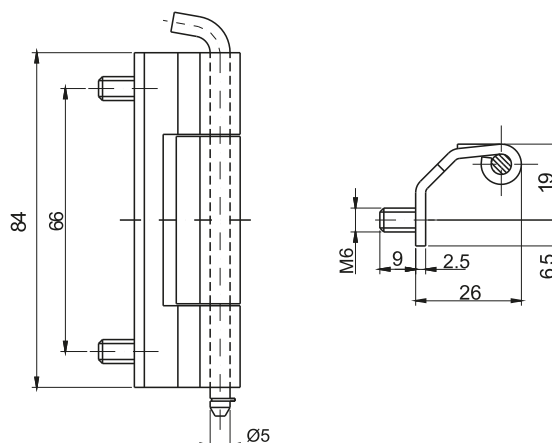


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST76.001	Holder, Base, Pin	Steel zinc plated
3.ST76.001SN	Holder, Base, Pin	Stainless steel

Hinge 3.ST19-2, 3.537, 3.ST13.004



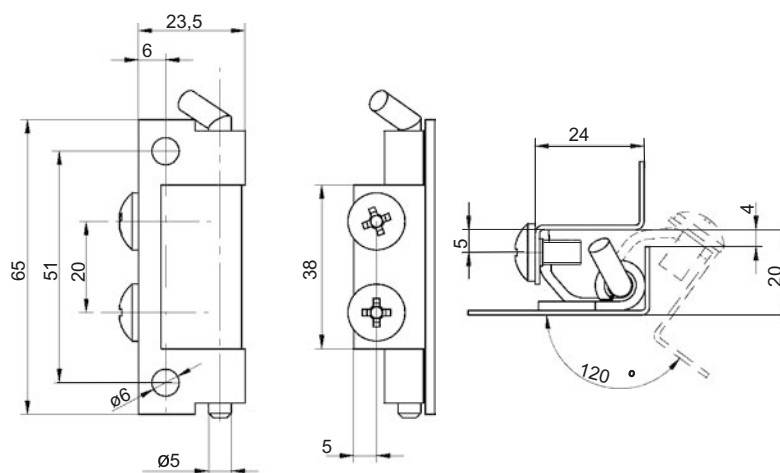
stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST19-2.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST19-2.001SN	Holder, Base, Pin	Stainless steel



stainless steel

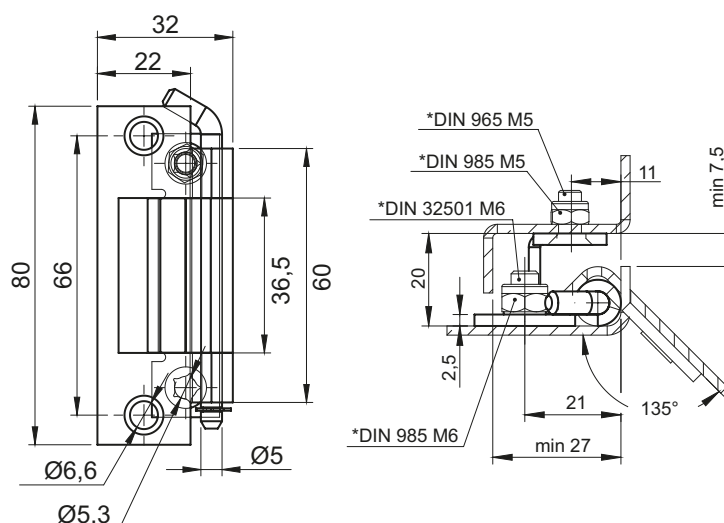


CATALOGUE NO.	COMPONENTS	MATERIAL
3.537.001	Holder, Base, Pin	Steel zinc plated
3.537.001SN	Holder, Base, Pin	Stainless steel



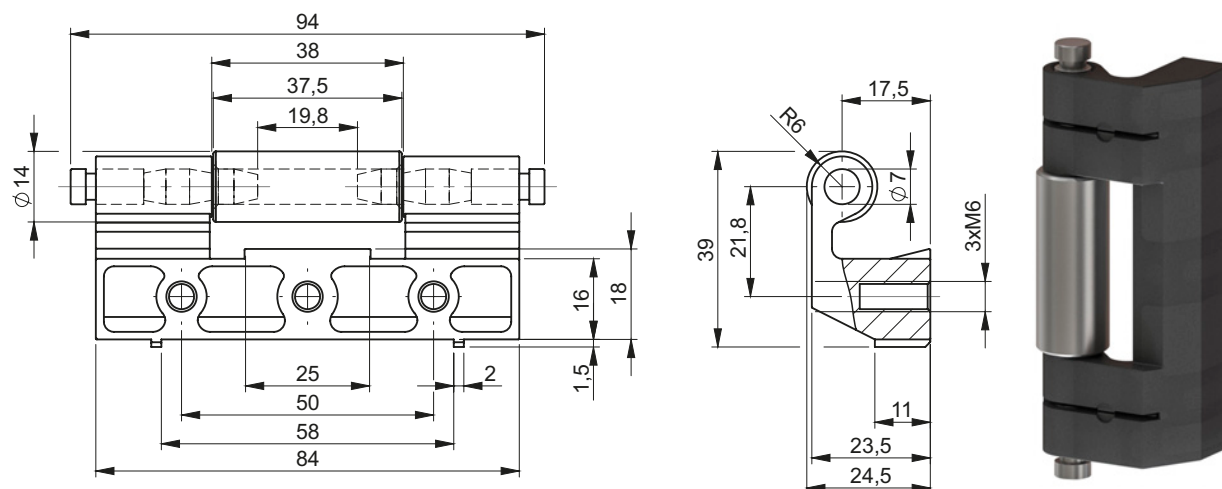
NEW

stainless steel

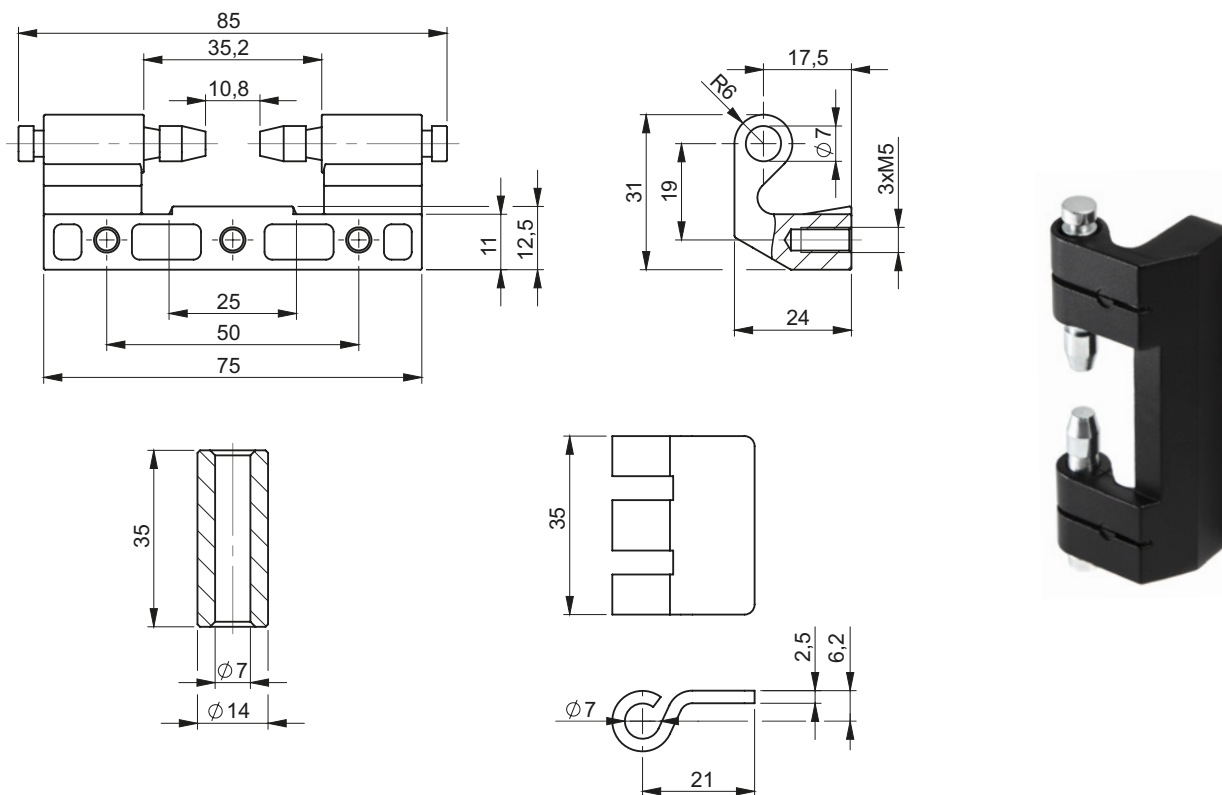


* To be ordered separately

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST13.004	Holder, Base, Pin	Steel zinc plated
3.ST13.004SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ST556.001	Holder	ZAMAK 5	04
	Base, Pin	Steel zinc plated	

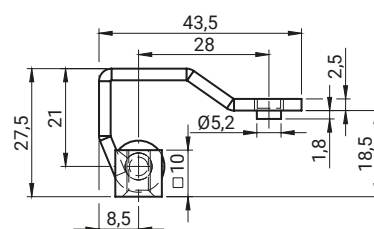
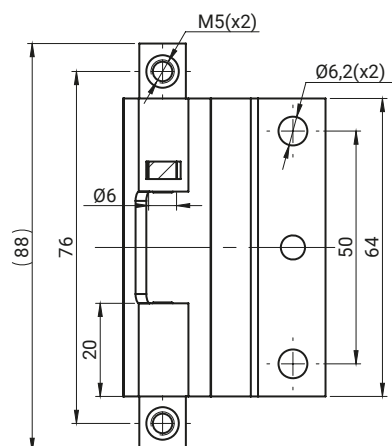


3.ST557.001

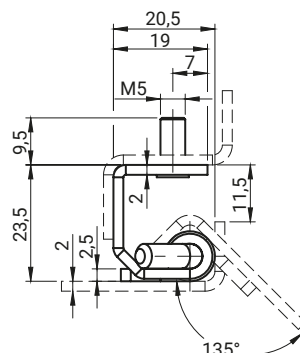
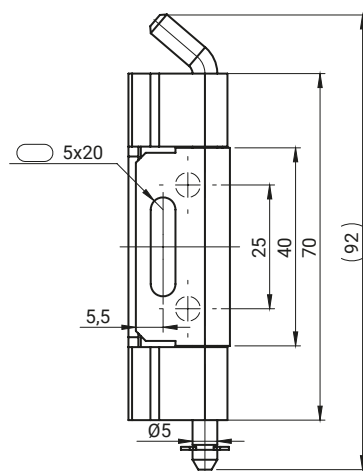
3.ST557.002

CATALOGUE NO.	DETAIL	COMPONENTS	MATERIAL	FINISH [C]
				RAL 9005
3.ST557.001	ver. with a bushing	Base	ZAMAK 5	04
3.ST557.002	ver. with a sheet metal	Holder, Pin	Steel zinc plated	

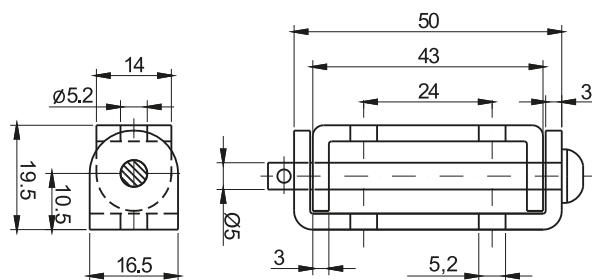
Hinge 3.ST40, 3.ST41



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST40.001	Holder, Base, Pin	Steel zinc plated
3.ST40.001SN	Holder, Base, Pin	Sainless steel



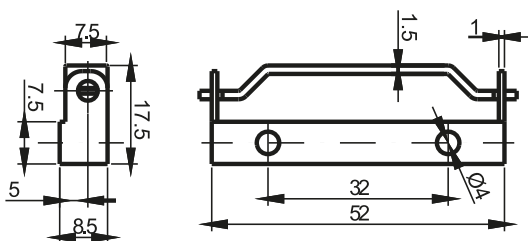
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST41.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST41.001SN	Holder, Base, Pin	Sainless steel



stainless



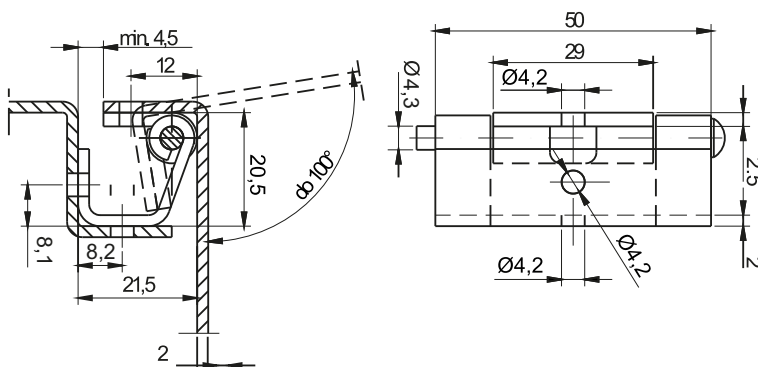
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST10.001	Holder, Base, Pin	Steel zinc plated
3.ST10.001SN	Holder, Base, Pin	Stainless steel



stainless



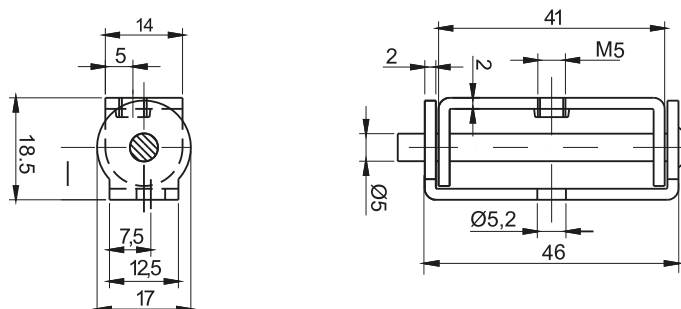
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST11.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST11.001SN	Holder, Base, Pin	Sainless steel



stainless



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST14.001	Holder, Base, Pin	Steel zinc plated
3.ST14.001SN	Holder, Base, Pin	Sainless steel

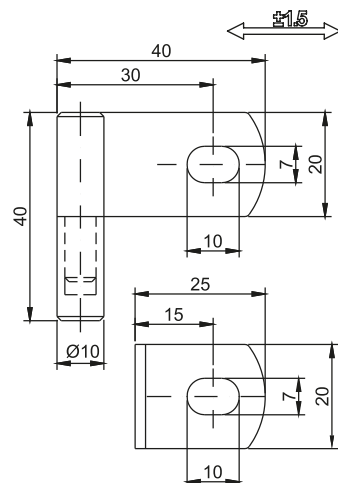


stainless

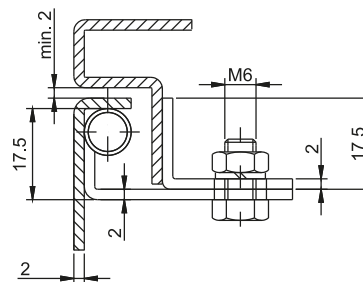


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST15.001	Holder, Base, Pin	Steel zinc plated
3.ST15.001SN	Holder, Base, Pin	Sainless steel

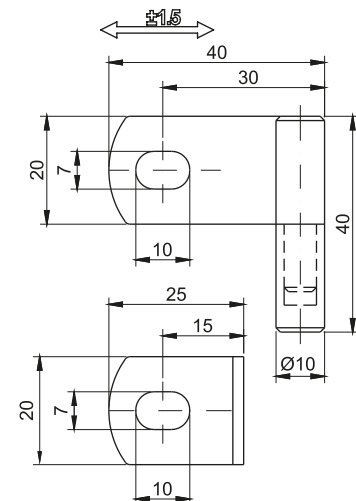
Hinge 3.ST8, 3.ST9



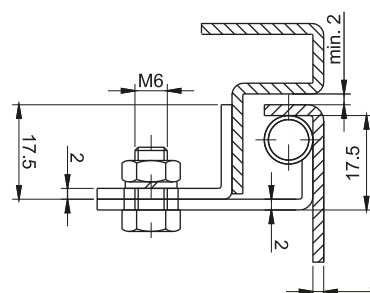
RIGHT VERSION



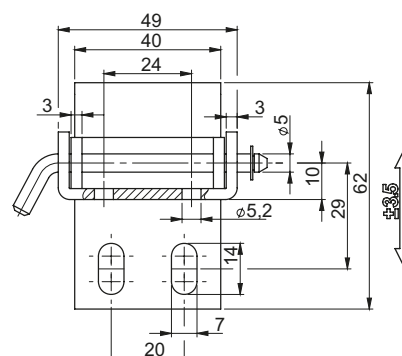
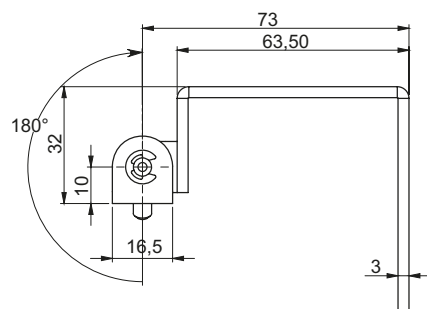
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST8.001	Fixed holder (screws)	Steel zinc plated
	Welded base	Steel
3.ST8.001SN	Holder, Base	Sainless steel



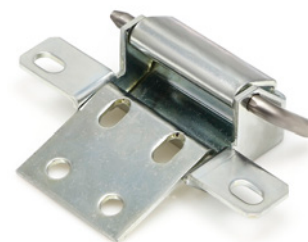
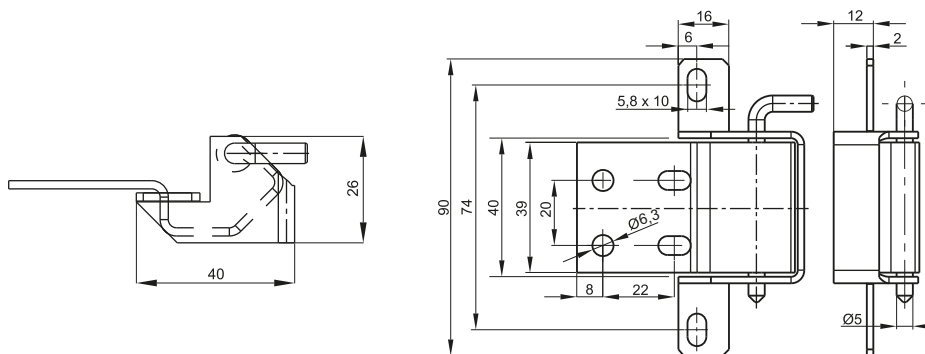
LEFT VERSION



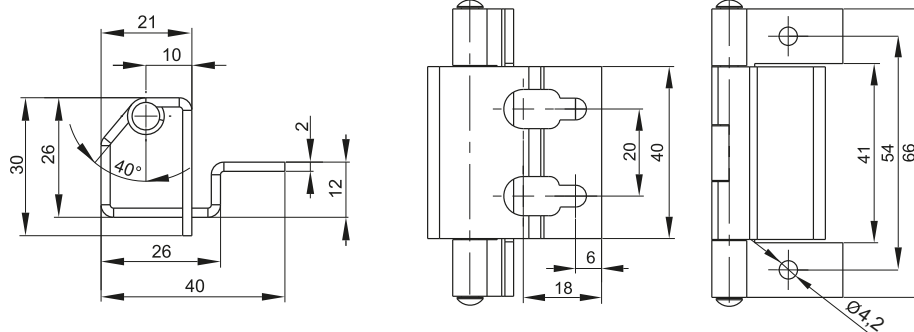
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST8.002	Fixed holder (screws)	Steel zinc plated
	Welded base	Steel
3.ST8.002SN	Holder, Base	Sainless steel



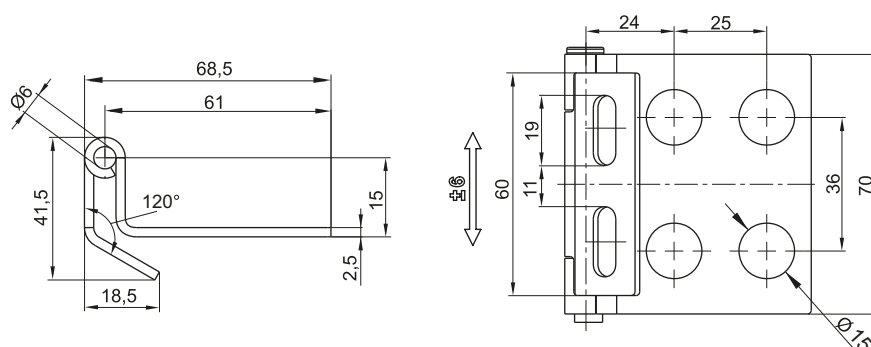
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST9.001	Holder, Base, Pin	Steel zinc plated
3.ST9.001SN	Holder, Base, Pin	Sainless steel



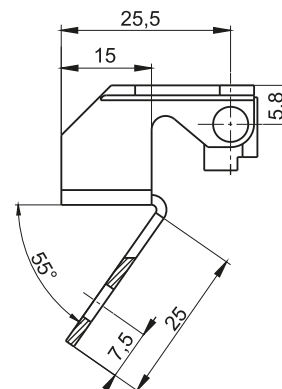
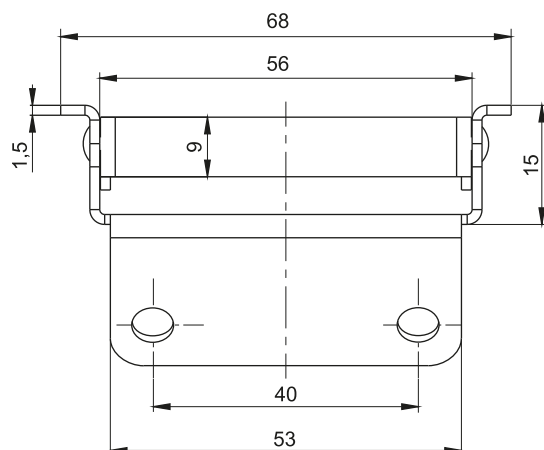
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST31.001	Holder, Base, Pin	Steel zinc plated
3.ST31.001SN	Holder, Base, Pin	Stainless steel



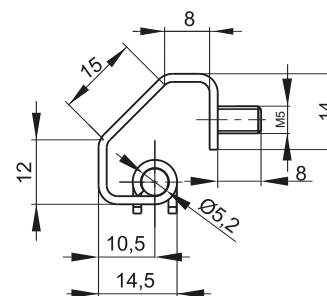
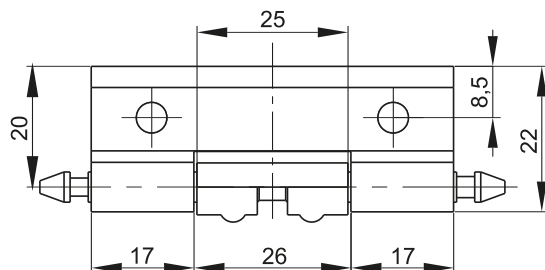
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST33.001	Holder, Base, Pin	Steel zinc plated
3.ST33.001SN	Holder, Base, Pin	Sainless steel



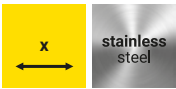
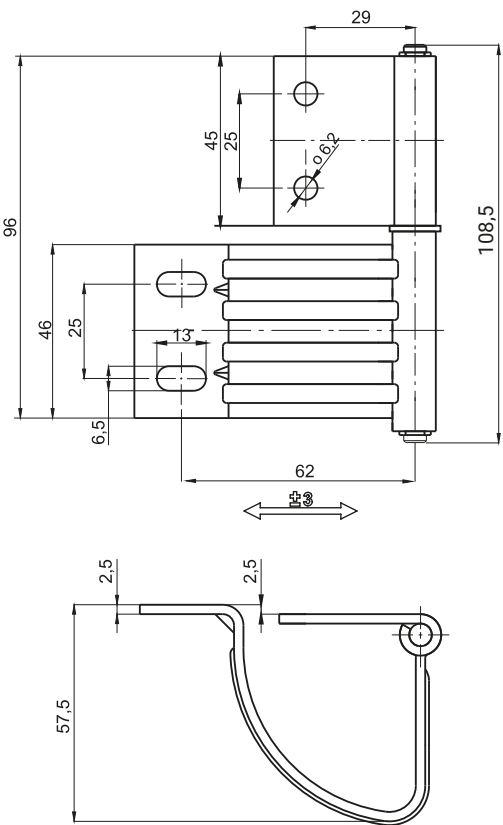
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST34.001	Holder, Base, Pin	Steel zinc plated
3.ST34.001SN	Holder, Base, Pin	Stainless steel


 stainless
steel


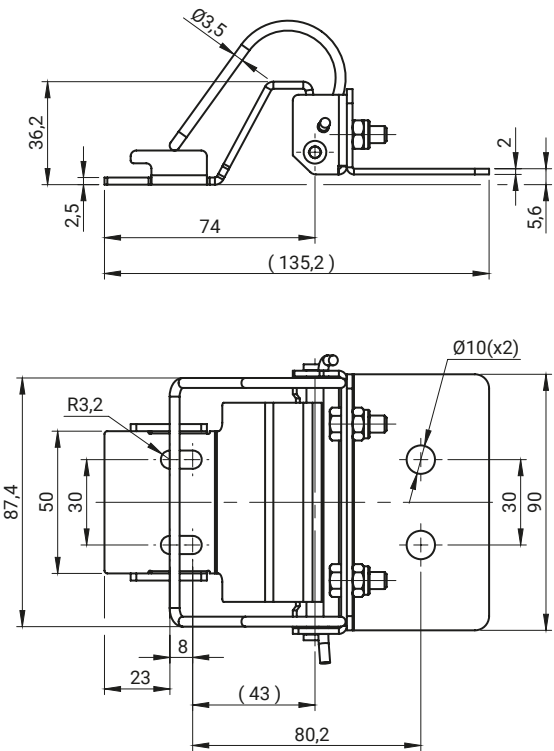
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST38.001	Holder, Base, Pin	Steel zinc plated
3.ST38.001SN	Holder, Base, Pin	Stainless steel


 stainless
steel


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST39.001	Base, Pin	Steel zinc plated
	Holder	Steel
3.ST39.001SN	Holder, Base, Pin	Stainless steel

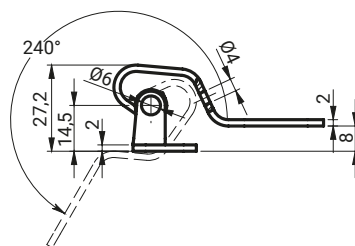
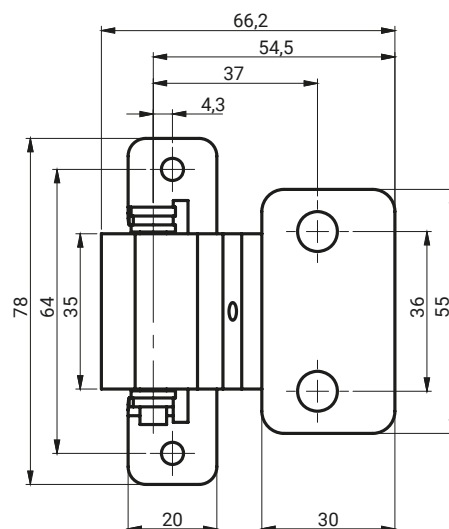
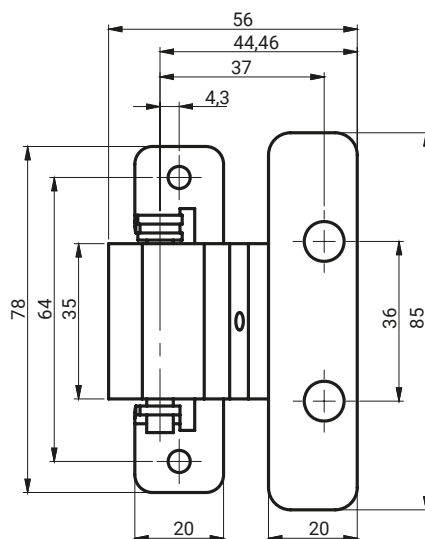


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST95.001	Holder, Base, Pin	Steel zinc plated
3.ST95.002SN	Holder, Base, Pin	Stainless steel



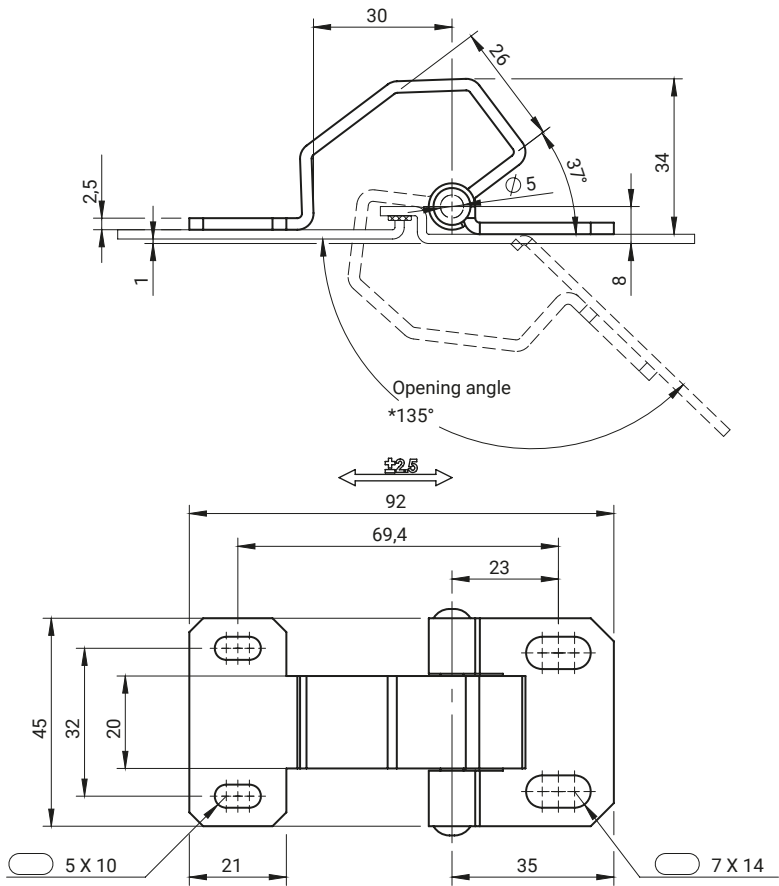
CATALOGUE NO.	MATERIAL
3.ST120.001SN	Stainless steel

Himge 3.ST118


3.ST118.001

3.ST118.002


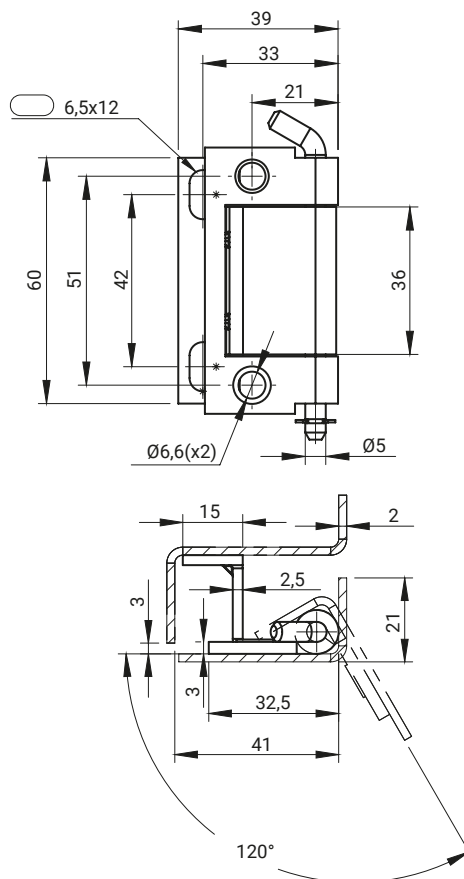
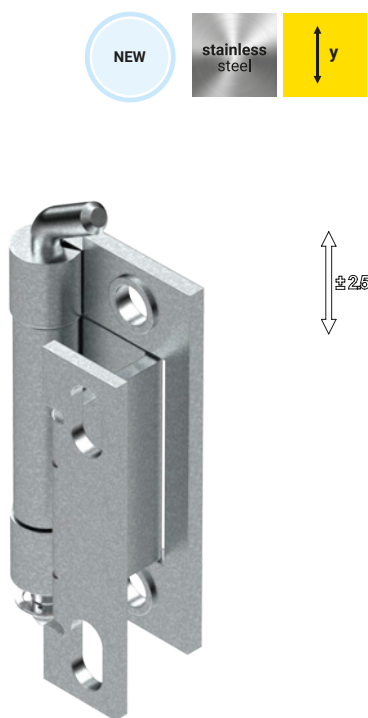
A - slide bushings made of plastics (POM)

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL 9005
3.ST118.001	Holder, Base,	Steel zinc plated	04
	Pin	Stainless steel	
3.ST118.001SN	Holder, Base, Pin	Stainless steel	
3.ST118.002	Holder, Base	Steel zinc plated	
	Pin	Stainless steel	
3.ST118.002SN	Holder, Base, Pin	Stainless steel	

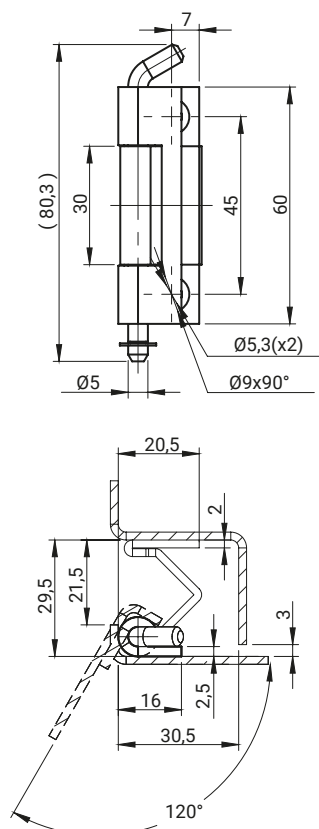
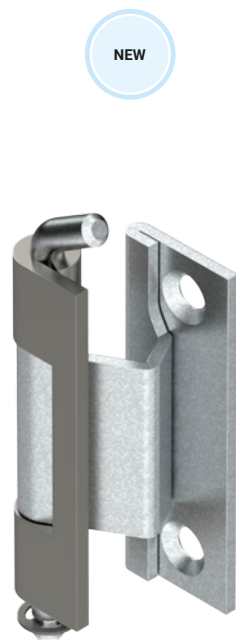


*The opening angle depends on the construction of the cabinet's edge and the door.

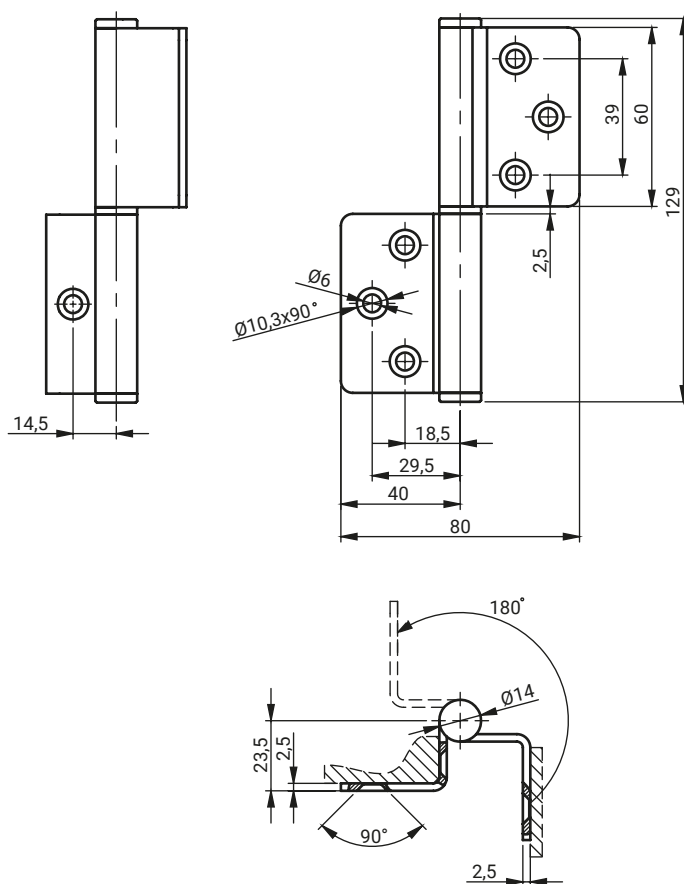
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST123.001SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST4-5.001	Holder, Base, Pin	Steel zinc plated
3.ST4-5.001SN	Holder, Base, Pin	Stainless steel

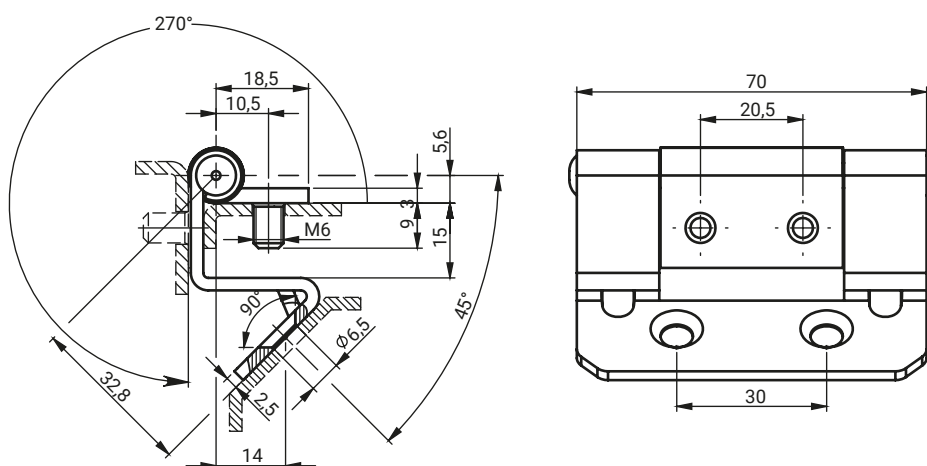


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST160.001	Base, Pin	Steel zinc plated
	Holder	Steel



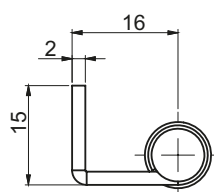
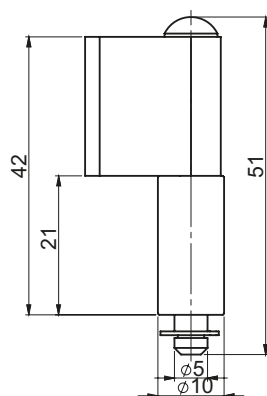
stainless
steel

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST121.001	Holder, Base, Pin	Steel zinc plated
3.ST121.001SN	Holder, Base, Pin	Stainless steel

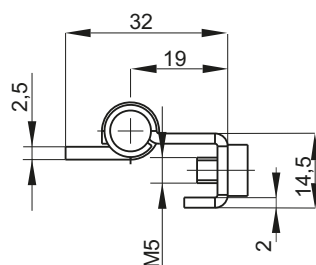
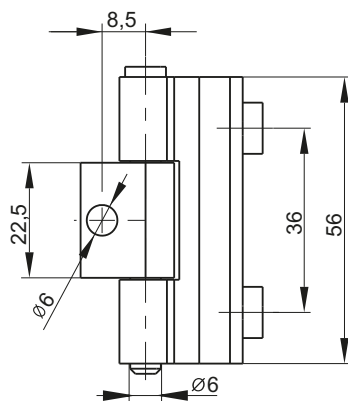
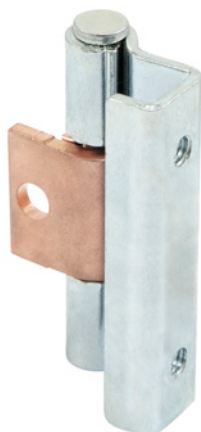


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST119.001	Holder, Base	Steel zinc plated
3.ST119.001SN	Pin	Stainless steel

Hinge 3.ST105, 3.ST112

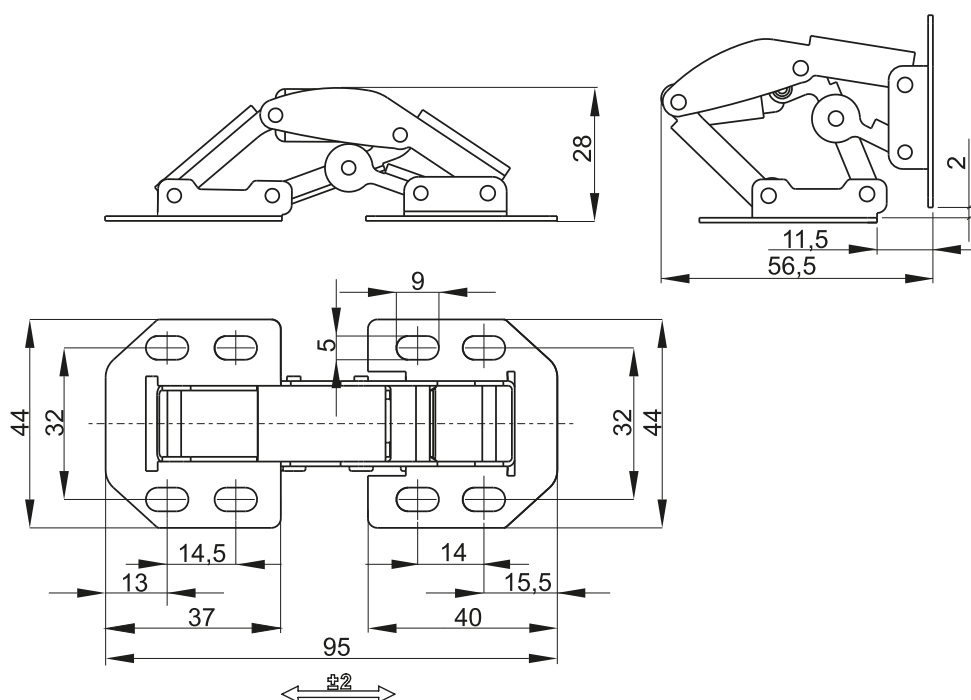


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST105.001	Holder, Base	Steel
	Pin	Steel zinc plated

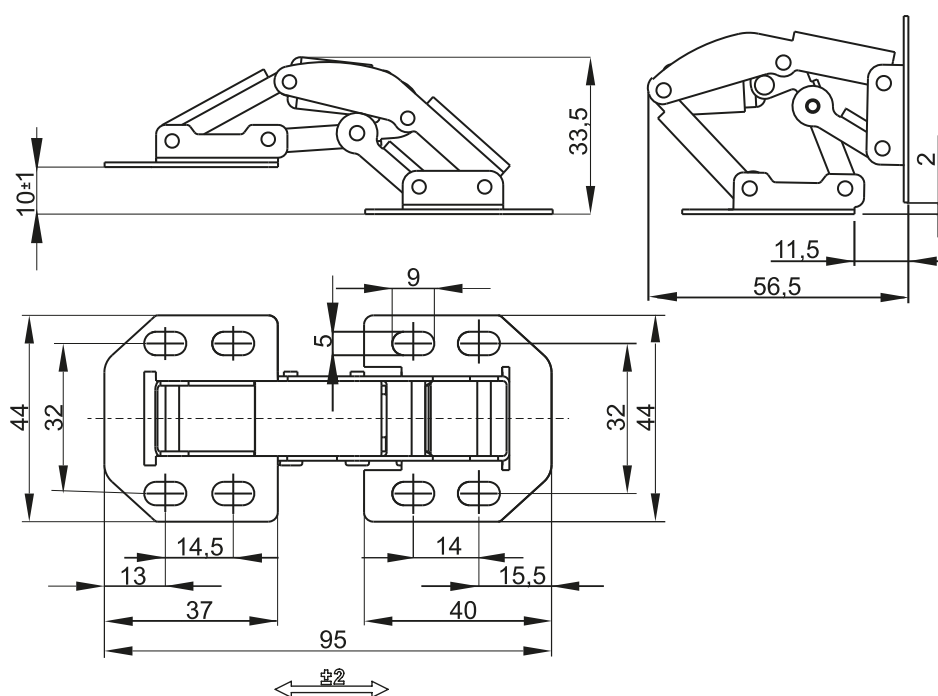


Two screws in the set DIN 7985 M5x6

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST112.001	Base, Pin	Steel zinc plated
	Holder	Copper-clad steel

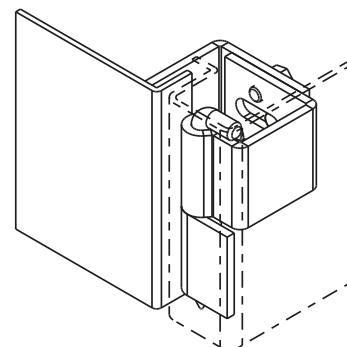
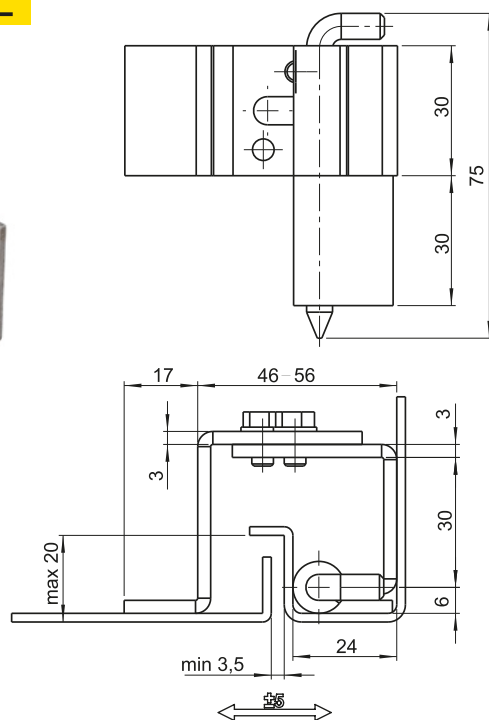


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST100.001	Base, Pin, Rivet	Steel zinc plated
3.ST100.001SN	Base, Pin, Rivet	Stainless steel

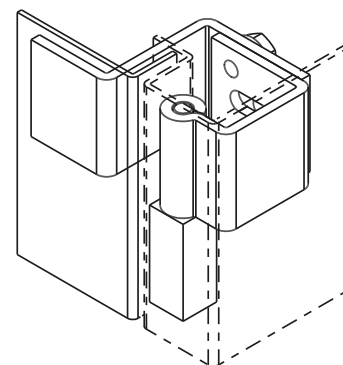
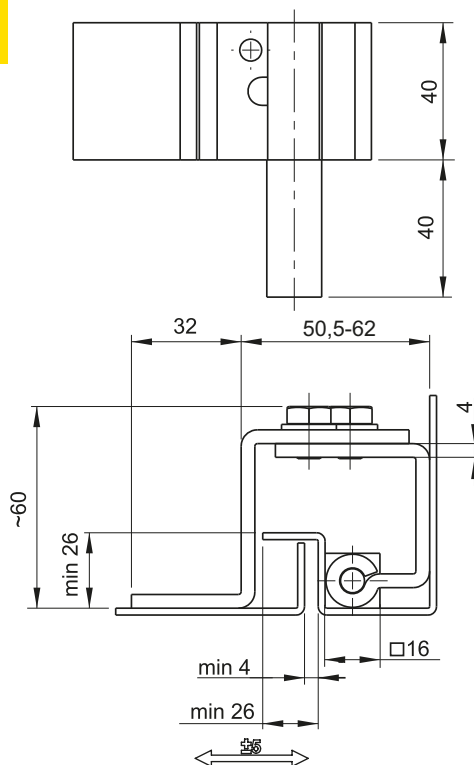
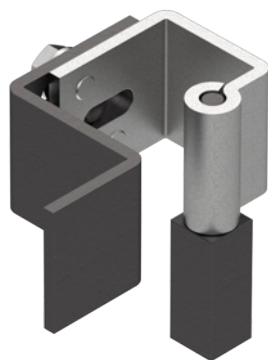


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST100.002	Base, Pin, Rivet	Steel zinc plated
3.ST100.002SN	Base, Pin, Rivet	Stainless steel

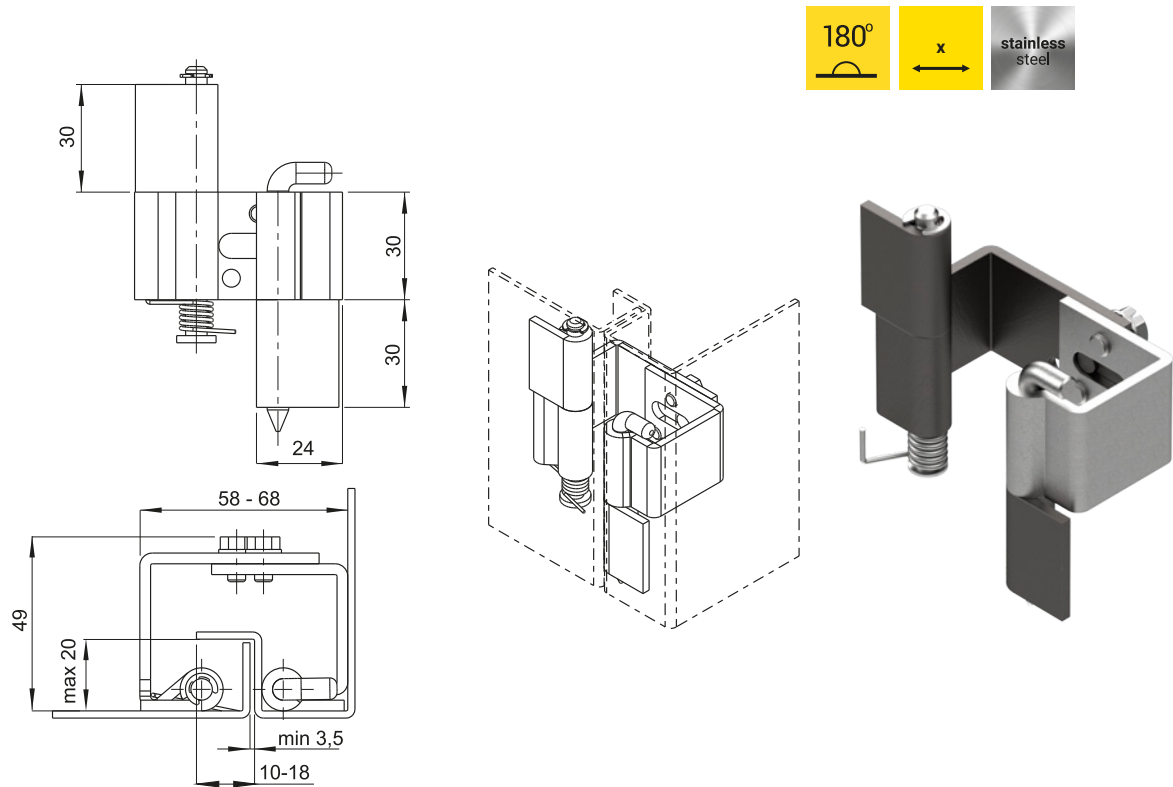
Hinge 3.ST46



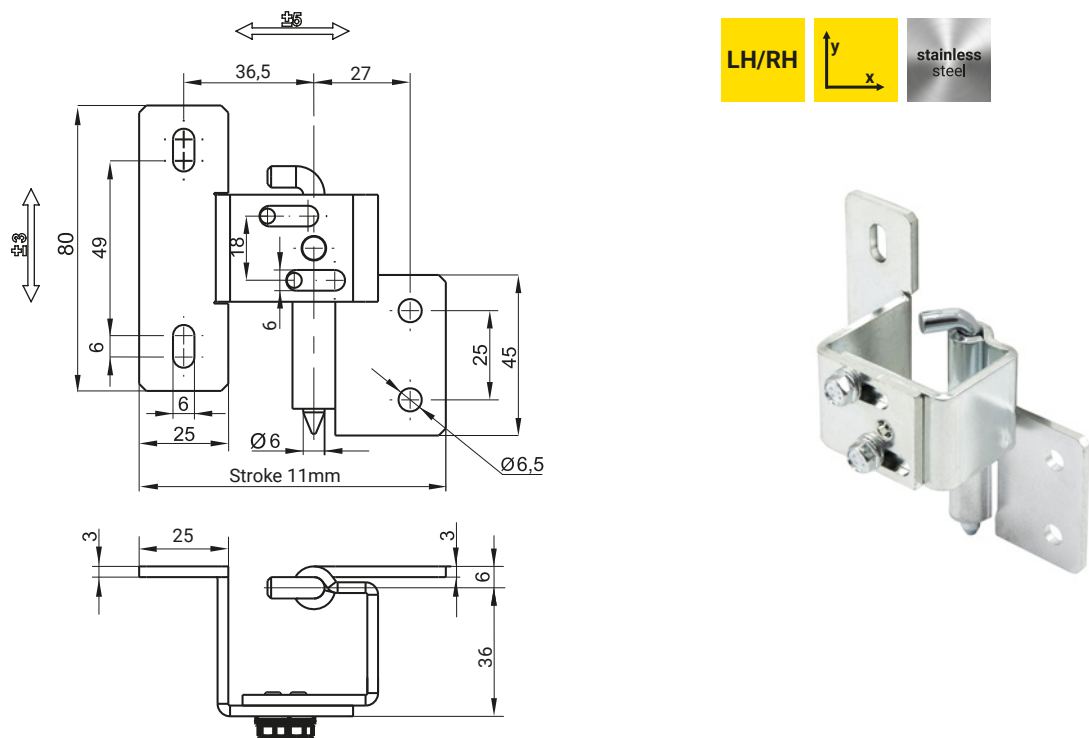
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST46.001	Holder, Pin	Steel zinc plated
	Base	Steel
3.ST46.001SN	Holder, Base, Pin	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST46-2.001	Holder	Steel
	Base	Steel zinc plated
3.ST46-2.001SN	Holder, Base, Pin	Stainless steel

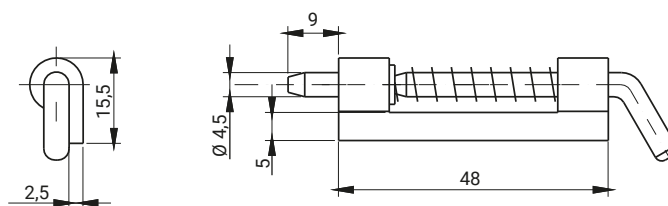


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST46-3.002	Holder, Pin	Steel zinc plated
	Base	Steel zinc plated
3.ST46-3.002SN	Holder, Base, Pin	Stainless steel

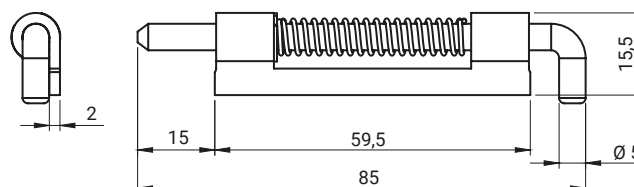


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST46-4.001	Holder, Base, Pin	Steel zinc plated
3.ST46-4.001SN	Holder, Base, Pin	Stainless steel

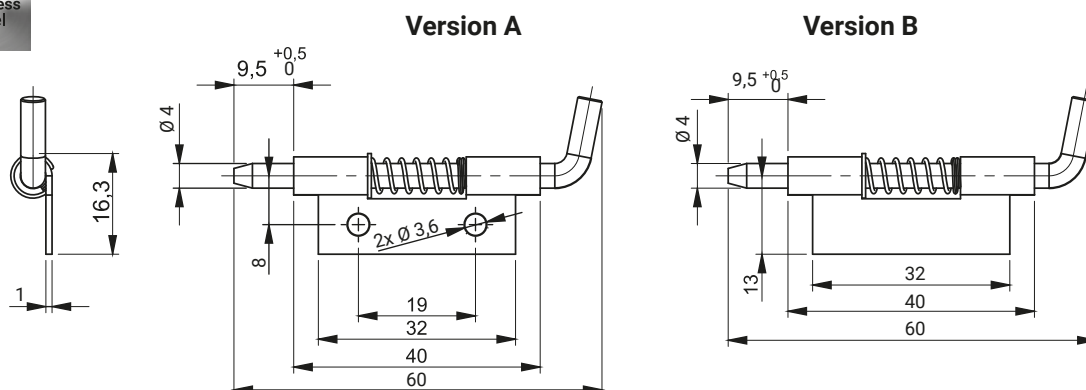
Hinge 3.ST20



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST20.001	Holder	Steel
	Pin, Spring	Steel zinc plated
	Spring	Stainless steel
3.ST20.001SN	Holder, Pin, Spring	Stainless steel



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST20.002	Holder	Steel
	Pin, Spring	Steel zinc plated
3.ST20.002SN	Holder, Pin, Spring	Stainless steel



CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST20.003	A	Holder, Pin, Spring	Steel zinc plated
		Spring	Stainless steel
3.ST20.003SN	A	Holder, Pin, Spring	Stainless steel
3.ST20.003	B	Holder	Steel
		Pin	Steel zinc plated
		Spring	Stainless steel
3.ST20.003SN	B	Holder, Pin, Spring	Stainless steel

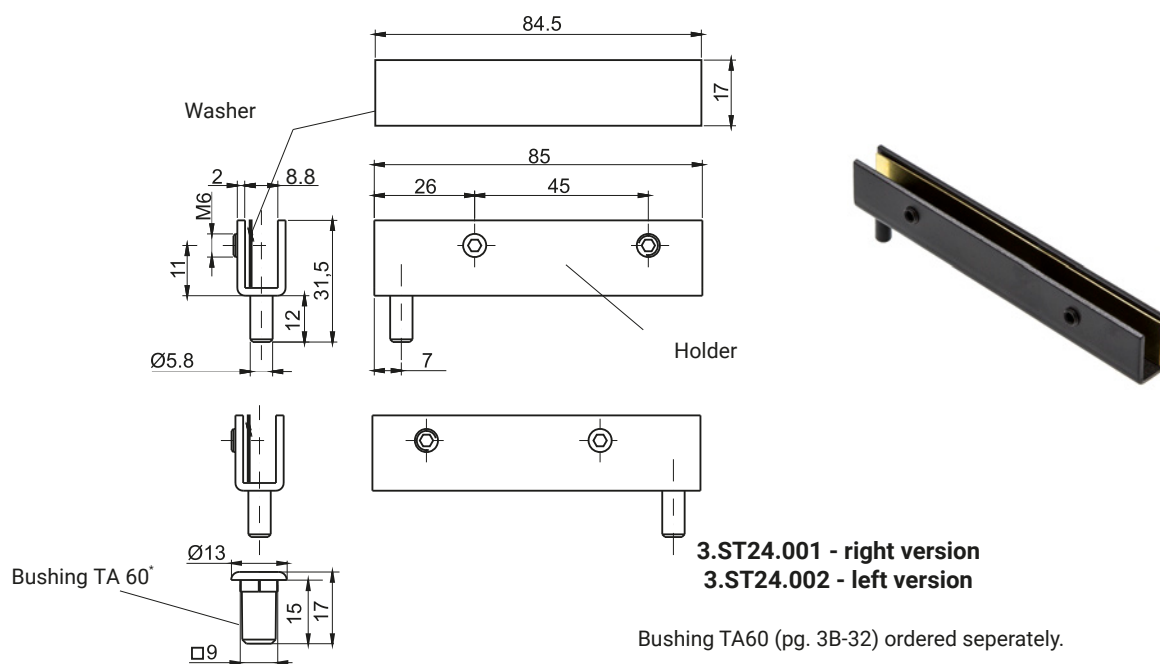
How to order:

Catalogue number

Version

3.ST20.003

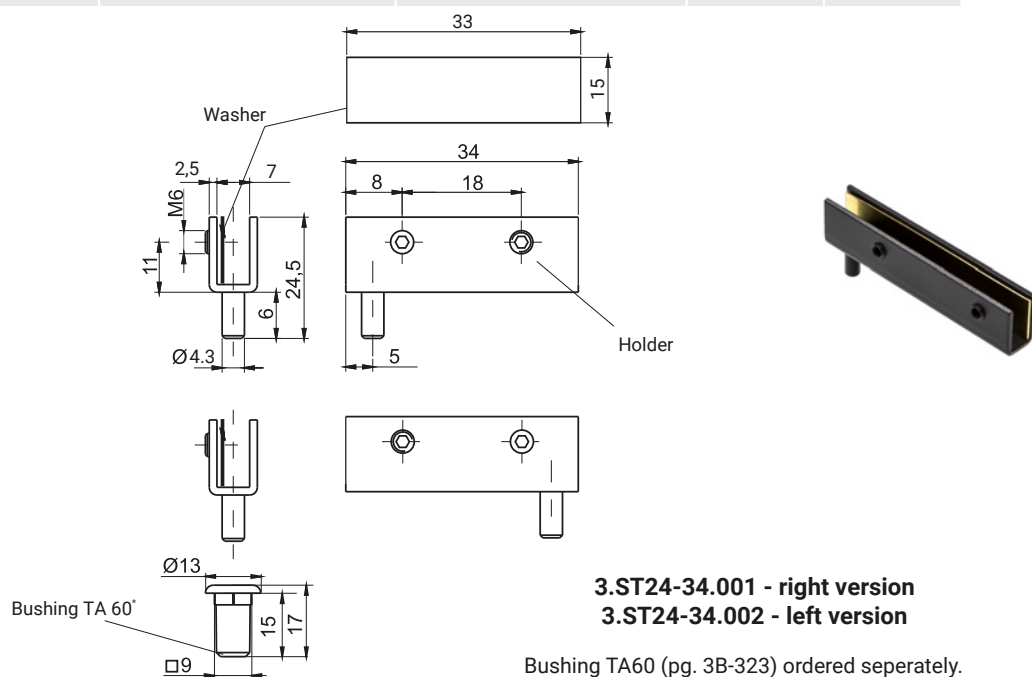
A



* to special order

** possibility to make a different color

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ST24.001	Holder	Steel	04	05
	Washer	Brass		
3.ST24.002	Holder	Steel	04	05
	Washer	Brass		



* to special order, ** possibility to make a different color

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ST24-34.001	Holder	Steel	04	05
	Washer	Brass		
3.ST24-34.002	Holder	Steel	04	05
	Washer	Brass		

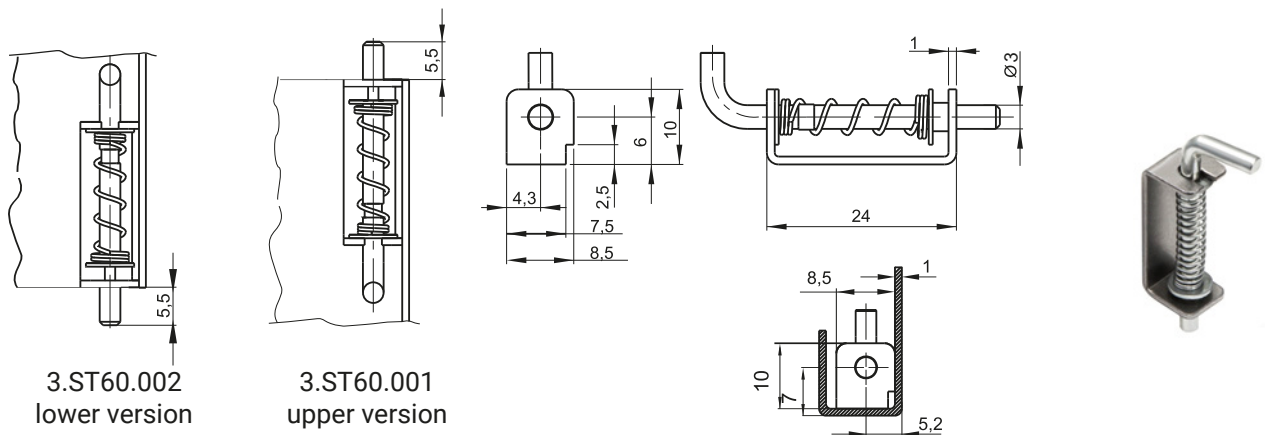
How to order:

Catalogue number

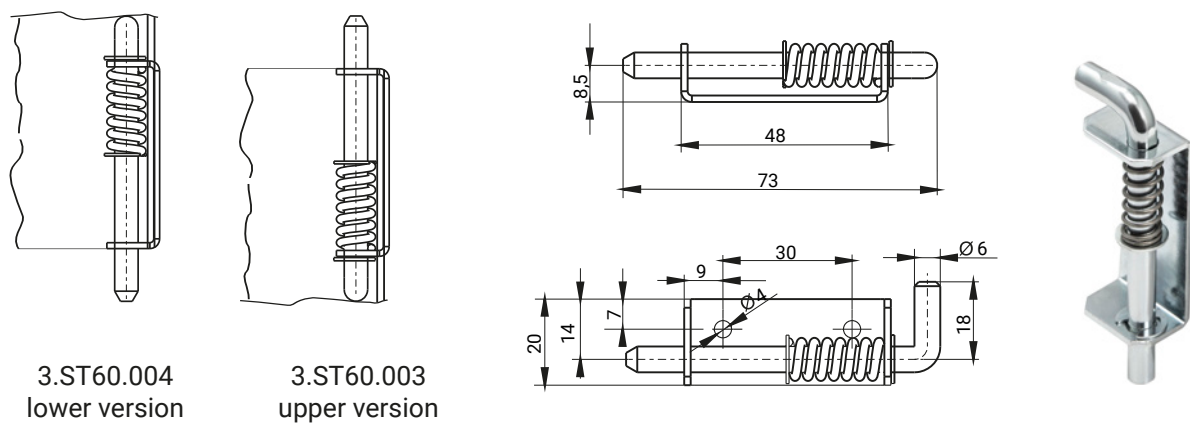
Finish

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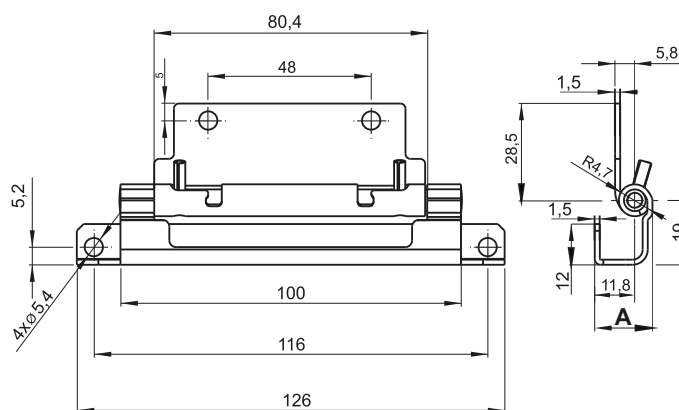
3.ST24.001 — C



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST60.001	Holder	Steel
3.ST60.002	Pin	Steel zinc plated



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST60.003	Holder, Pin	Steel zinc plated
3.ST60.004	Holder, Pin	Steel zinc plated

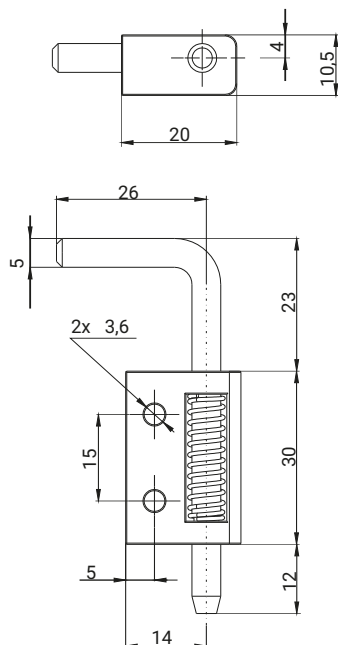
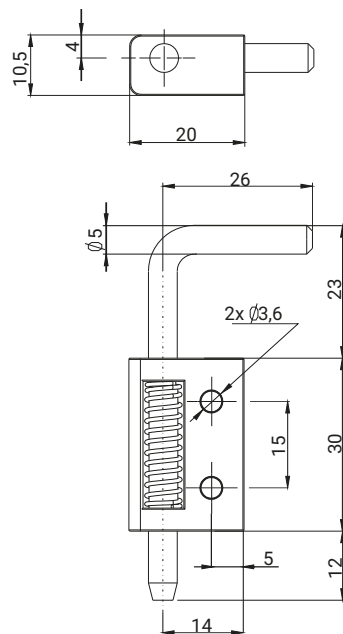


stainless
steel

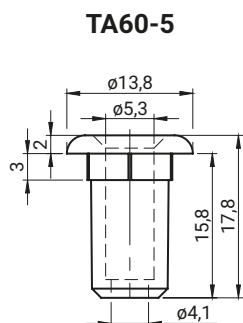
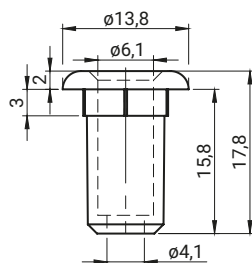
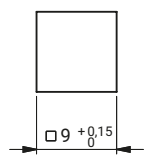


CATALOGUE NO.	DIMENSIONS A [mm]	COMPONENTS	MATERIAL
3.ST65.001	17	Holder, Base, Pin	Steel zinc plated
3.ST65.002	20		
3.ST65.003	23,4		
3.ST65.001SN	17	Holder, Base, Pin	Stainless steel
3.ST65.002SN	20		
3.ST65.003SN	23,4		

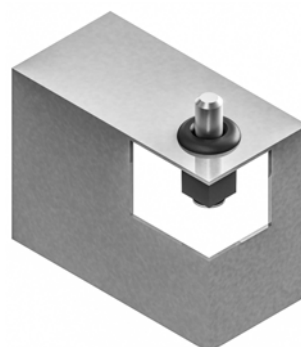
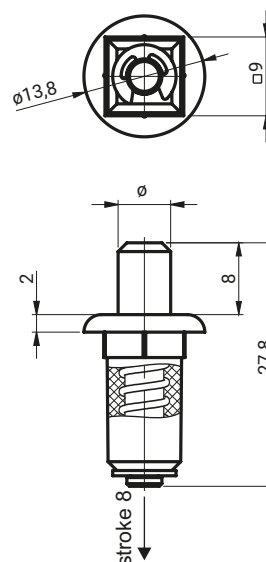
Hinge 3.ST94, 3.ST81, TA60

**3.ST94.001****3.ST94.002**

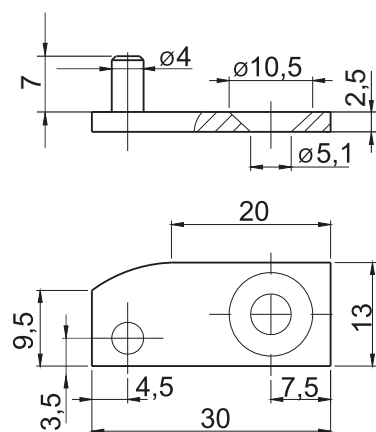
CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]
			RAL9005
3.ST94.001 3.ST94.002	Holder	Polyamide	07
	Pin	Steel zinc plated	

**TA60-5****TA60-6****TA60-6**

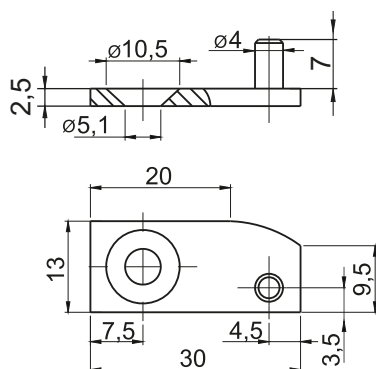
Mounting hole

**3.ST81.100
3.ST81.101**

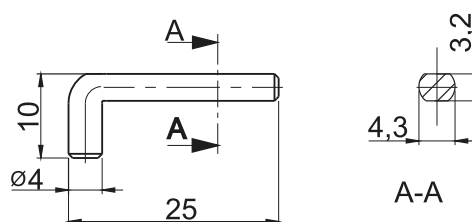
CATALOGUE NO.	ø [mm]	COMPONENTS	MATERIAL	FINISH [C]
				RAL9005
3.ST81.100	6	Housing	Polyamide PA6	07
		Pin	Steel zinc plated	
3.ST81.101	5	Spring	Spring steel zinc plated	
TA60-5	5	Bushing	Polyamide PA6	
TA60-6	6	Bushing	Polyamide PA6	



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST67.001	Holder	Steel zinc plated

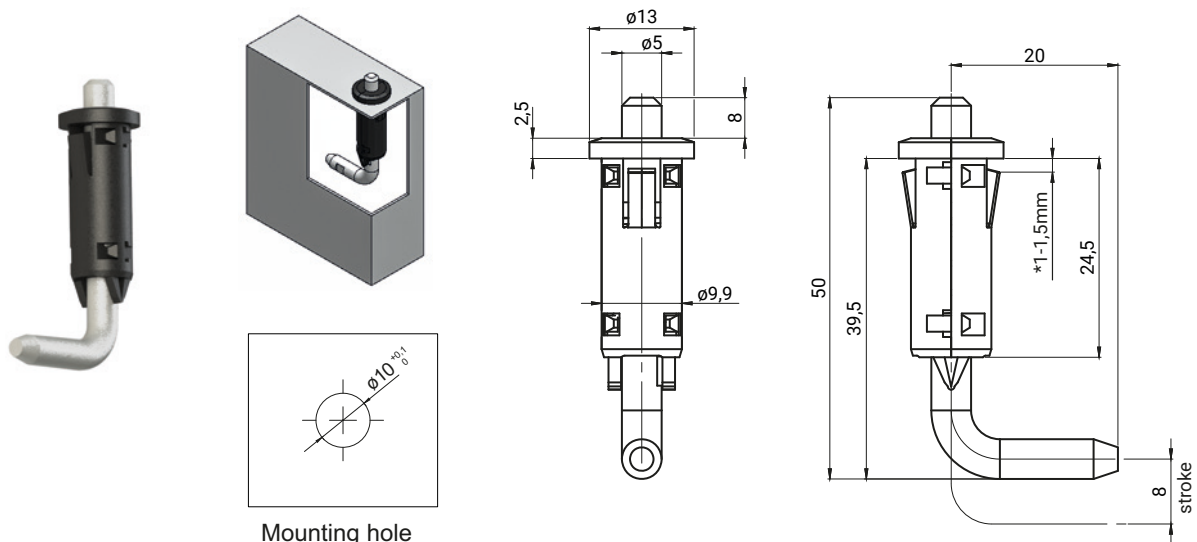


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST67.002	Holder	Steel zinc plated



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST67.001.03	Pin	Steel

Hinge 3.ST81, 3.ST84



Mounting hole

* thickness of metal sheet

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	RAL 9010
3.ST81.001	Housing	Polyamide	07	11
	Pin	ZAMAK 5		
	Spring	Steel		

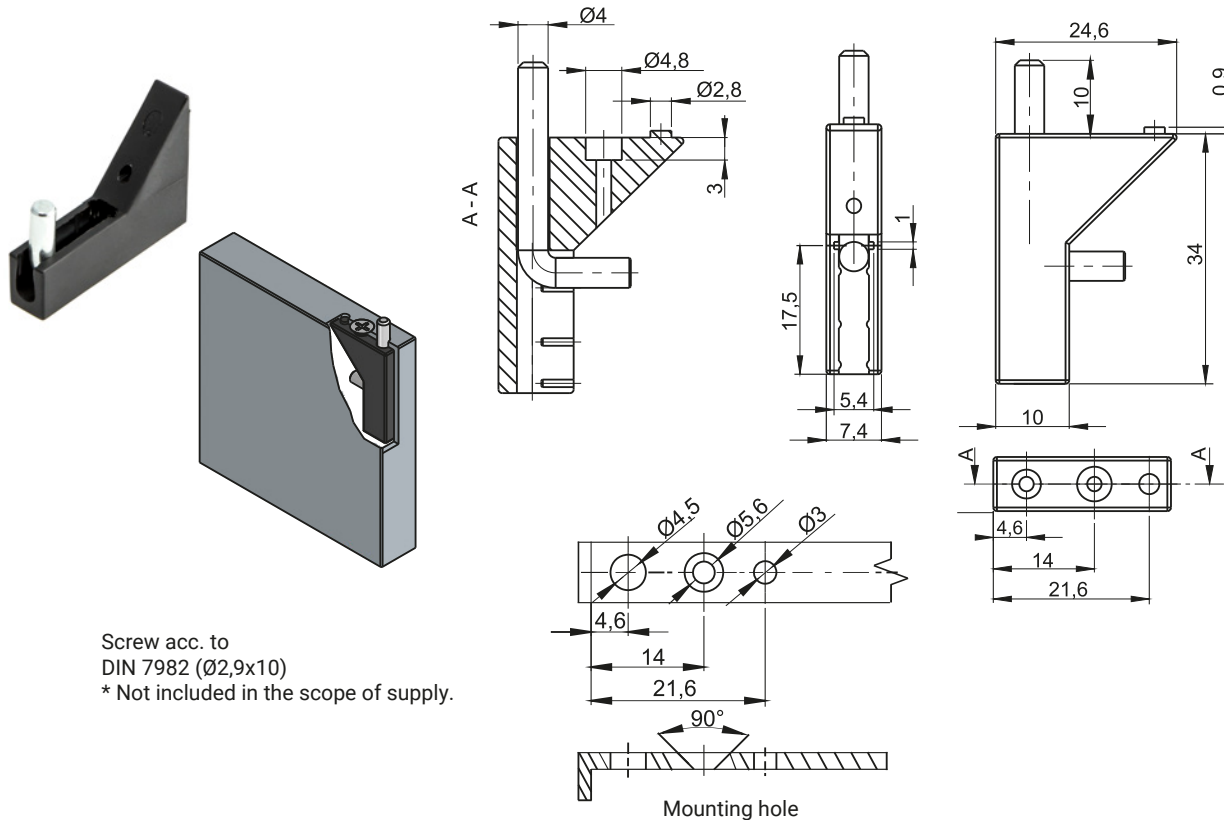
How to order:

Catalogue number

Finish

3.ST81.001

C

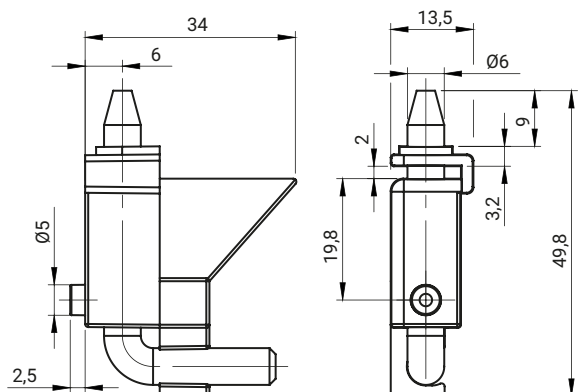
Screw acc. to
DIN 7982 (Ø2,9x10)

* Not included in the scope of supply.

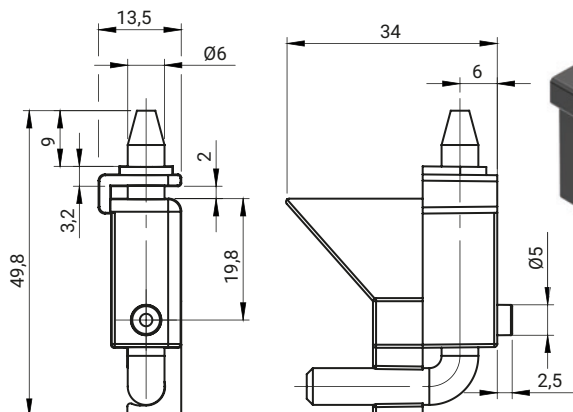
Mounting hole

CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL 9005	
3.ST84.001	Holder	Polyamide	07	
	Pin	Steel zinc plated		

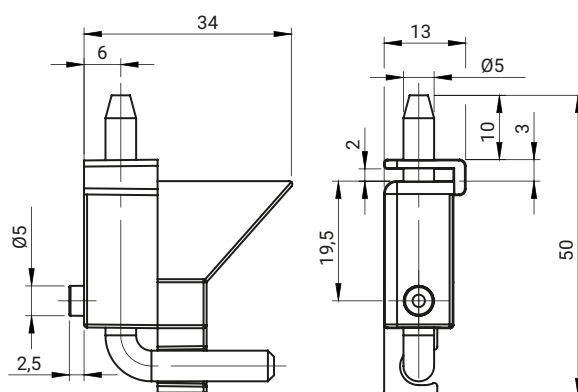
3.ST96.001



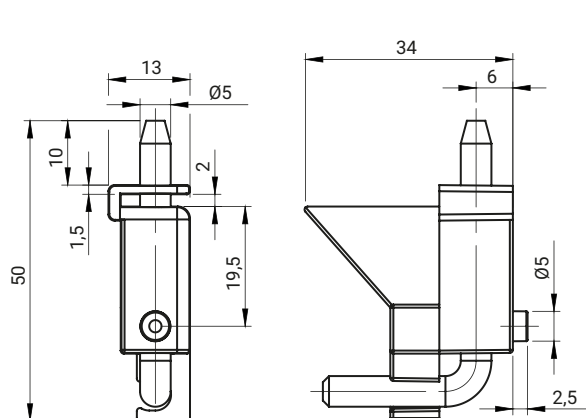
3.ST96.002



3.ST96.003

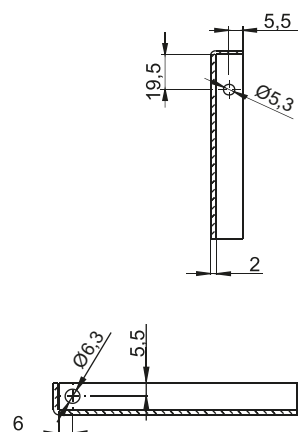


3.ST96.004

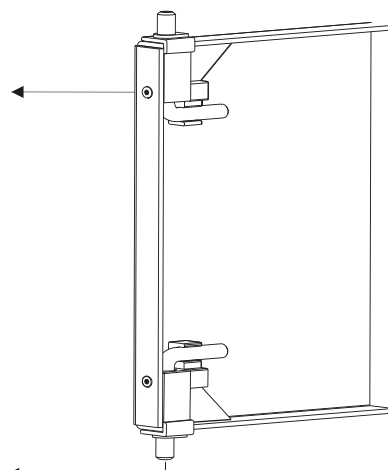
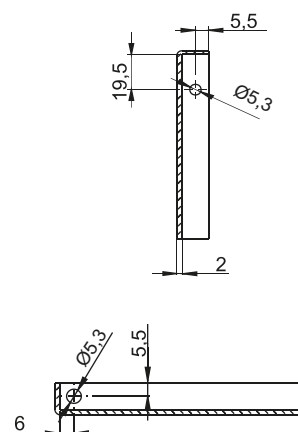


Mounting holes

3.ST96.001
3.ST96.002



3.ST96.003
3.ST96.004



CATALOGUE NO.	COMPONENTS	MATERIAL	FINISH [C]	
			RAL9005	RAL7035
3.ST96.001 3.ST96.002	Holder	PP	07	08
	Pin	Steel zinc plated		
3.ST96.003 3.ST96.004	Holder	PP	07	08
	Pin	Steel zinc plated		

How to order:

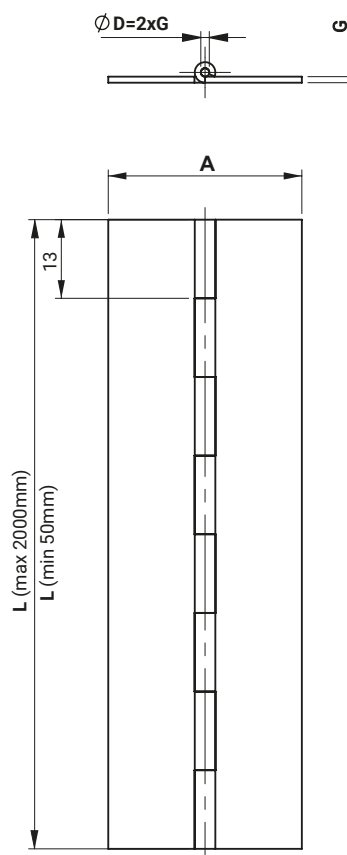
Catalogue number

Finish

3.ST96.001

C

Hinge 3.ST26

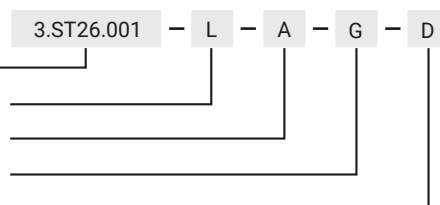

**Standard insert diameter D
for chosen thickness**

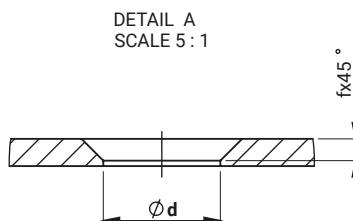
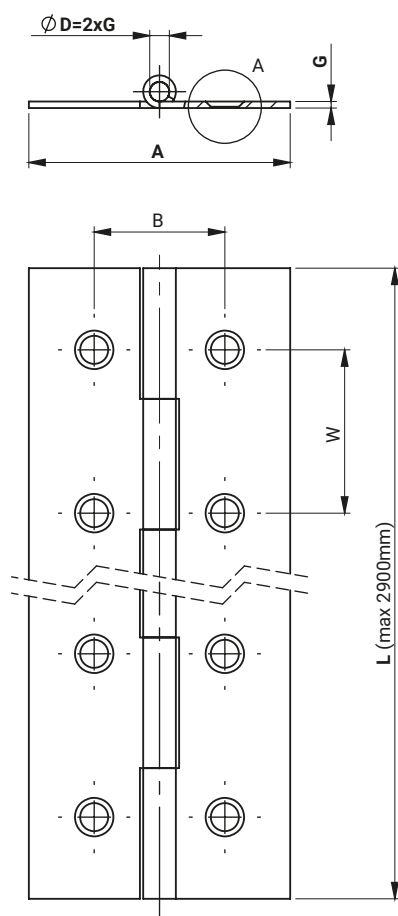
Sheet metal thickness G	Insert diameter D
0,8	Ø2
1	Ø2
1,5	Ø3, Ø4
2	Ø4, Ø6
3	Ø6

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST26.001	Holder, Pin	Steel zinc plated
3.ST26.001SN		Stainless steel

How to order:

Catalogue number
 Total length of the hinge
 Total width of the hinge
 Thickness of the hinge
 Insert diameter (Dmin=2xG)





Standard insert diameter D for chosen thickness

Sheet metal thickness G	Insert diameter D
0,8	Ø2
1	Ø2
1,5	Ø3, Ø4
2	Ø4, Ø6
3	Ø6

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST26.003	Holder, Pin	Steel zinc plated
3.ST26.003SN		Stainless steel

How to order:

3.ST26.003 - L - A - G - D - d - B - W - F

Catalogue number _____

Total length of the hinge _____

Total width of the hinge _____

Thickness of the hinge _____

Insert diameter (Dmin=2xG) _____

If mounting holes are required to make it should be stated:

Dimension _____

Spacing _____

Leap of holes _____

Phase dimension of a hole (if needed) _____

Other dimensions stated before production.

Hinge 3.ST50

stainless
steel

3.ST50.001



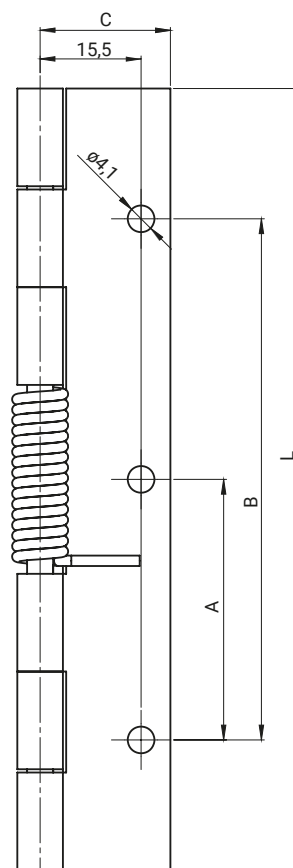
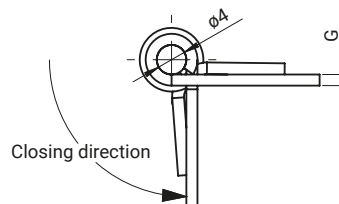
3.ST50.002



3.ST50.003

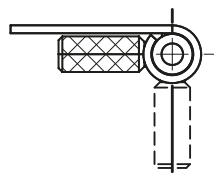
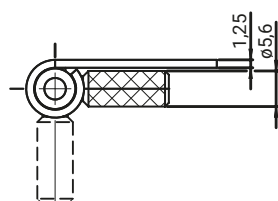
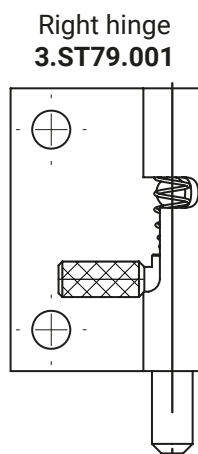
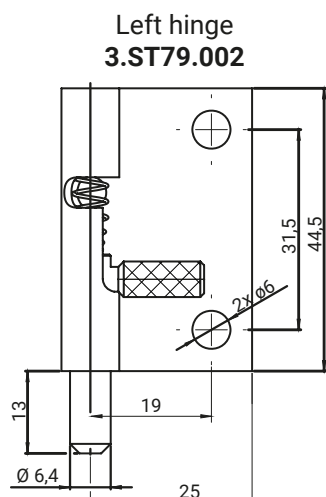


3.ST50.004

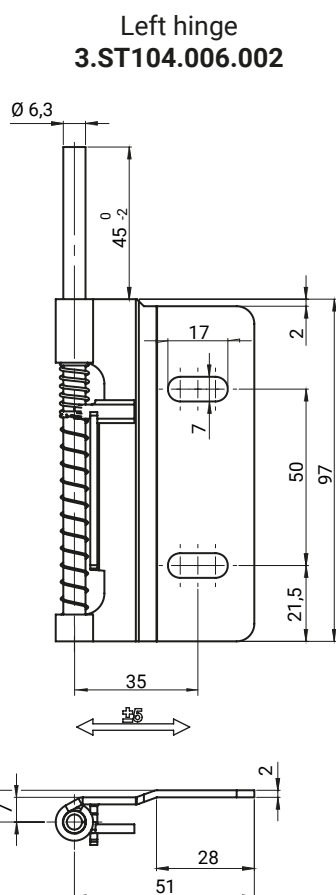


*closing from axis

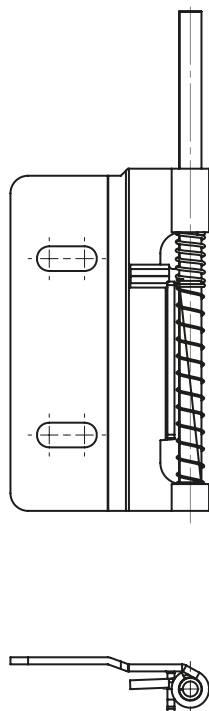
CATALOGUE NO.	DIMENSION					MATERIAL
	A	B	C	G	L	
3.ST50.001	30	-	25	2	50	Steel zinc plated
3.ST50.002	40	80	20	1,5	120	
3.ST50.003	60	120	20	1,5	180	
3.ST50.004	-	-	20	1,5	120	
3.ST50.001SN	30	-	25	2	50	Stainless steel
3.ST50.002SN	40	80	20	1,5	120	
3.ST50.003SN	60	120	20	1,5	180	
3.ST50.004SN	-	-	20	1,5	120	



CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST79.001SN	Right	Holder, Pin	Stainless steel
3.ST79.002SN	Left	Holder, Pin	

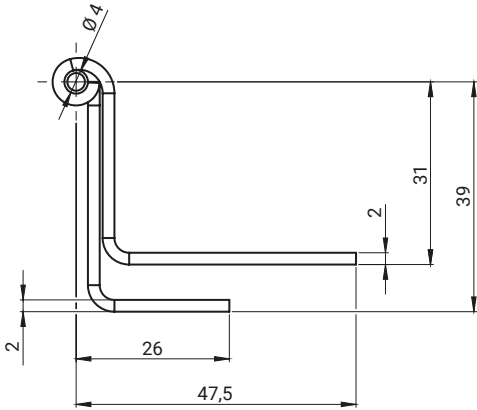
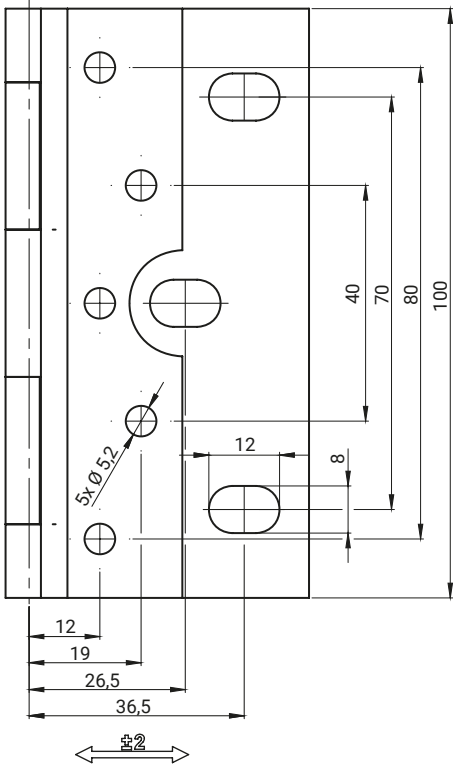


**Right hinge
3.ST104.006.001**

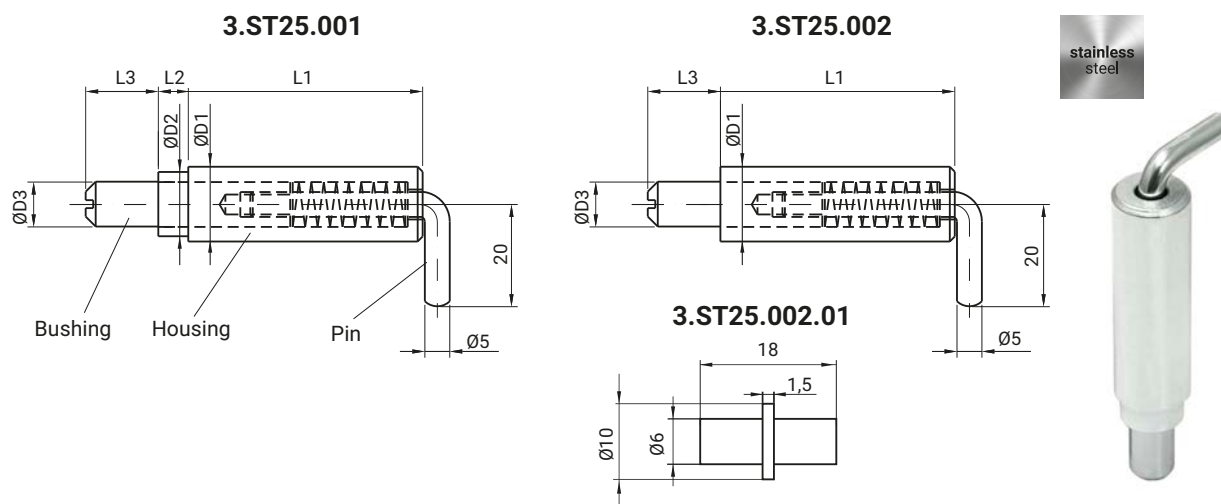


CATALOGUE NO.	VERSION	COMPONENTS	MATERIAL
3.ST104.006.001SN	Right	Holder, Pin	Stainless steel
3.ST104.006.002SN	Left	Holder, Pin	

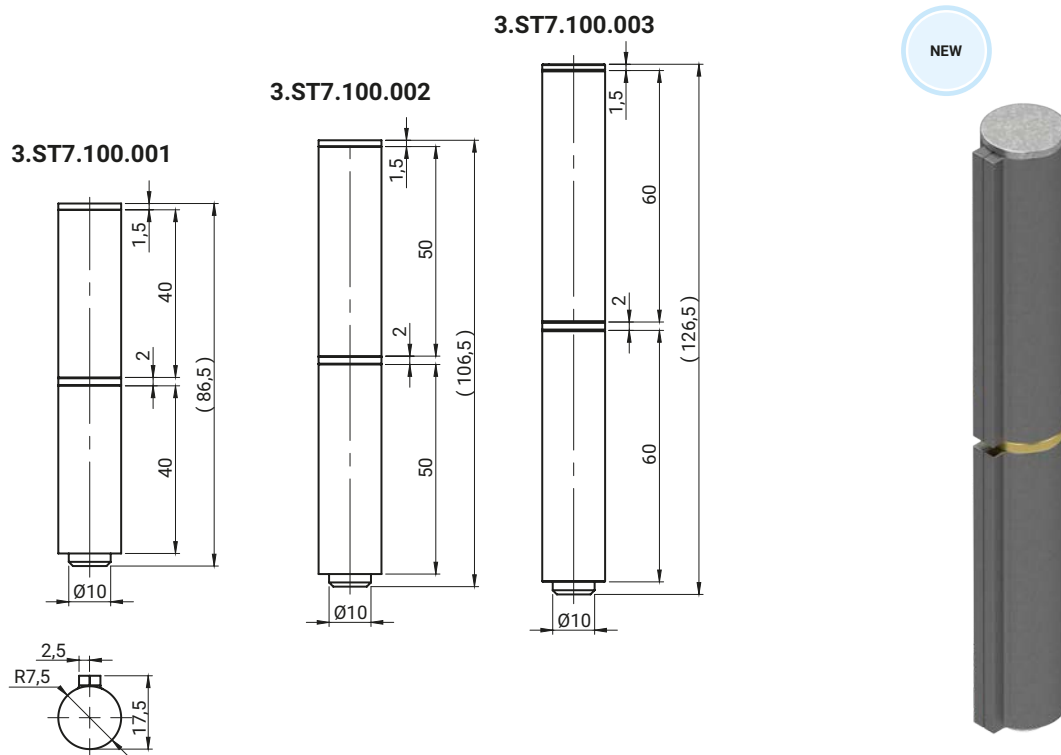
Hinge 3.ST89



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST89.001SN	Holder, Base, Pin	Stainless steel



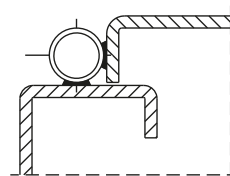
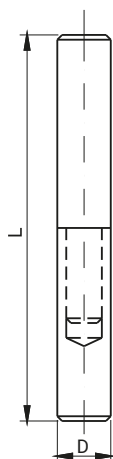
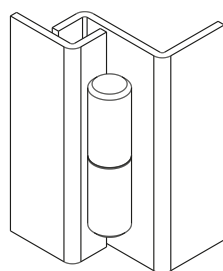
CATALOGUE NO.	Ø D1	Ø D2	Ø D3	L1 mm	L2 mm	L3 mm	COMPONENTS	MATERIAL
3.ST25.001	15	13	9	47	6	15	Housing, Bushing	Steel zinc plated
3.ST25.001SN							Pin	Stainless steel
3.ST25.002	10	-	6	41,5	-	13	Housing, Bushing	Steel zinc plated
3.ST25.002.01							Pin	Steel without finish
3.ST25.005	12	9	6	38	3,5	10	Limiter	Steel copper plated
							Housing	Steel zinc plated



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST7.100.001	Holder, Base	Steel
3.ST7.100.002	Pin	Stainless steel
3.ST7.100.003	Washer	Brass

Hinge 3.ST7, 3.ST7-1, 3.ST7-2

stainless steel

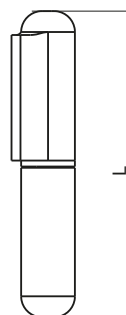
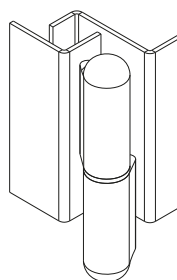
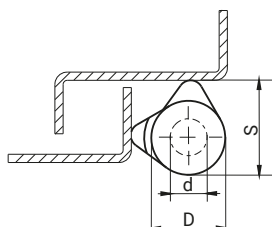


CATALOGUE NO.	Dimension		X
	L [mm]	D [mm]	
3.ST7.X 3.ST7.XSN	40	10	001
	50	10	002
	65	10	003
	40	14	005
	100	13	006
	100	16	007

CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST7.X	Holder, Pin	Steel
3.ST7.XSN	Holder, Pin	Stainless steel

ST 7-1

ST 7-2



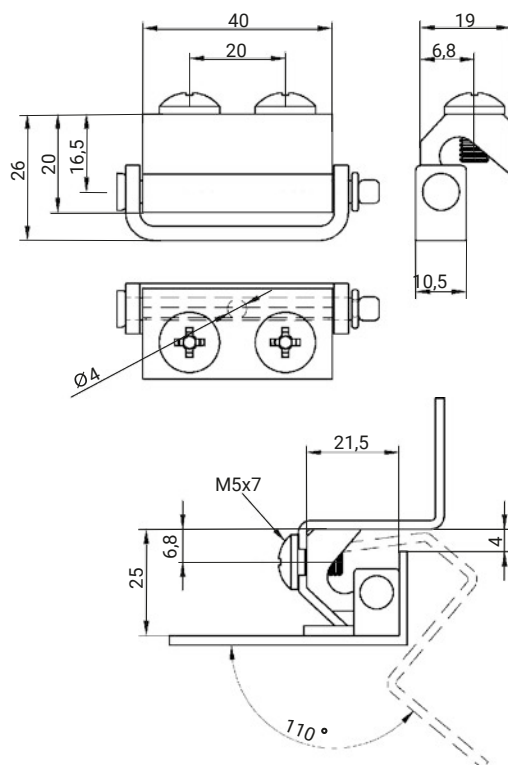
WASHER

PIN

BASE

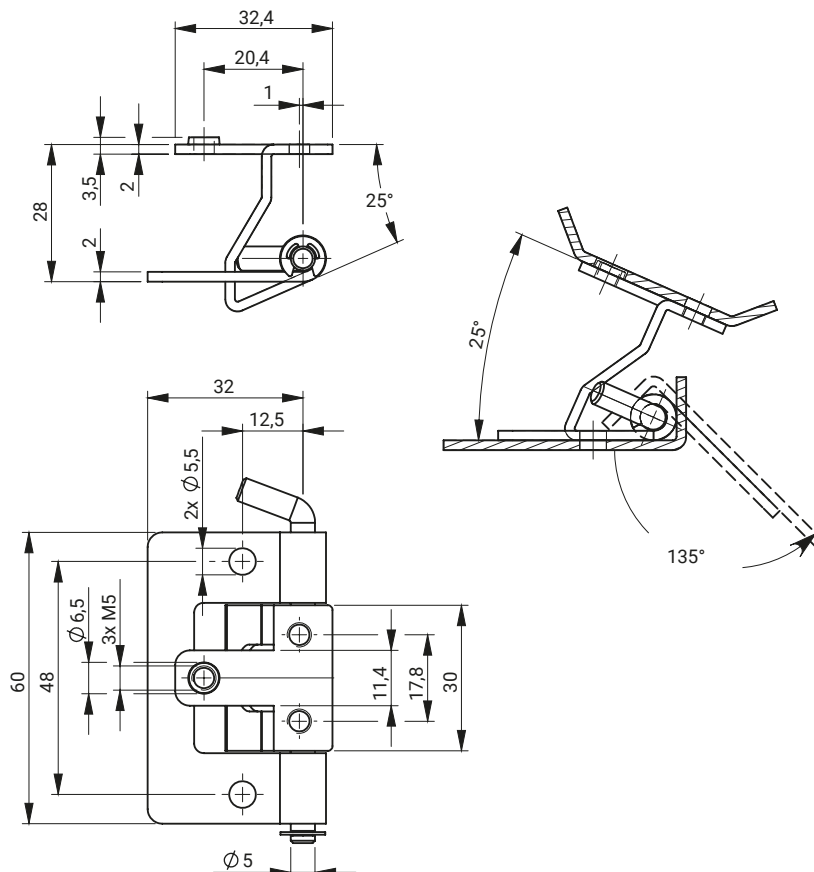


CATALOGUE NO.		COMPONENTS		MATERIAL		
3.ST7-1		Base, Pin		Steel		
3.ST7-2		Washer		Brass		
Cat. No. ST7-1	Cat. No. ST7-2	Dimensions	D	S	d	L
ST7-1.001A	ST7-2.001A	8x9,5	8	9,5	5	40
ST7-1.001B	ST7-2.001B	8x9,5	8	9,5	5	50
ST7-1.002A	ST7-2.002A	10x12	10	12	6	60
ST7-1.002B	ST7-2.002B	10x12	10	12	6	70
ST7-1.003	ST7-2.003	13x16	13	16	8	80
ST7-1.004	ST7-2.004	16x20	16	20	10	100
ST7-1.005	ST7-2.005	18x22	18	22	12	135
ST7-1.006	ST7-2.006	20x25	20	25	14	150
ST7-1.007	ST7-2.007	23x28	23	28,5	16	200



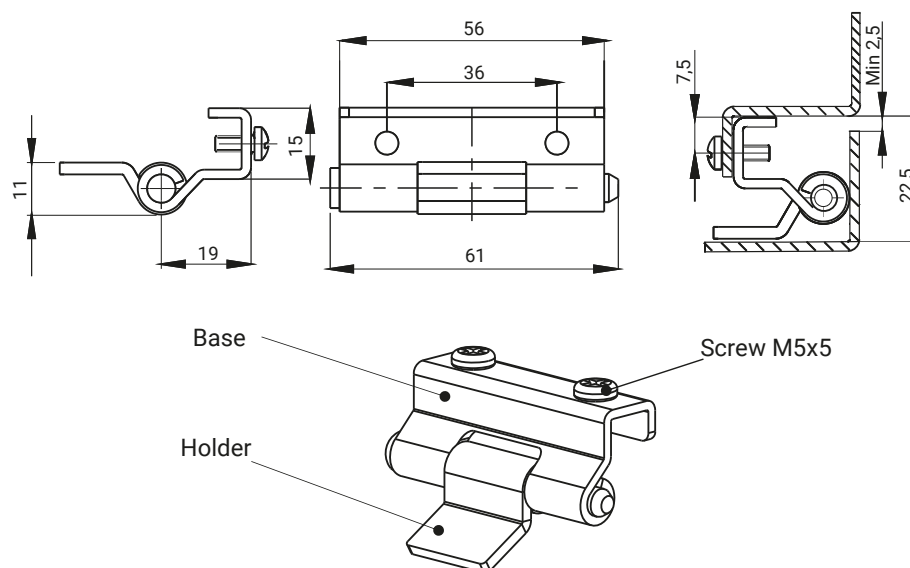
* DIN 7985 M5x7 screw is not included in the scope of supply.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.538.001	Holder	Steel copper plated
	Base	Aluminum zinc plated

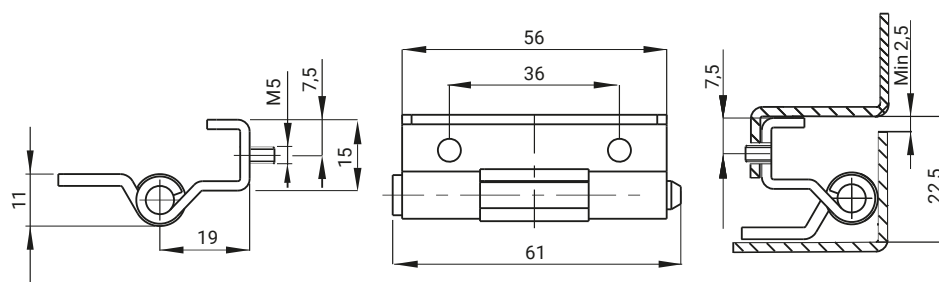
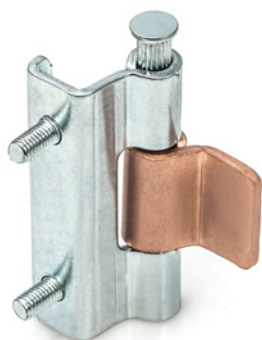


CATALOGUE NO.	COMPONENTS	MATERIAL
3.539.001	Holder, Base	Steel zinc plated

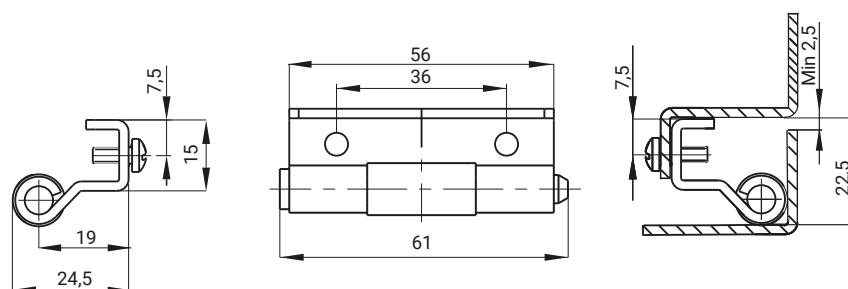
Hinge 3.ST551, 3.ST552, 3.ST553



CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST551.001	Base	Steel zinc plated
	Holder	Steel copper plated

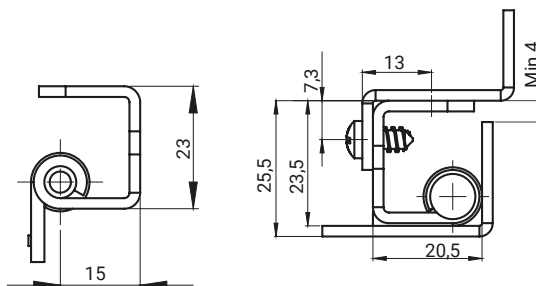


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST552.001	Base	Steel zinc plated
	Holder	Steel copper plated

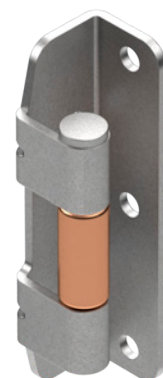
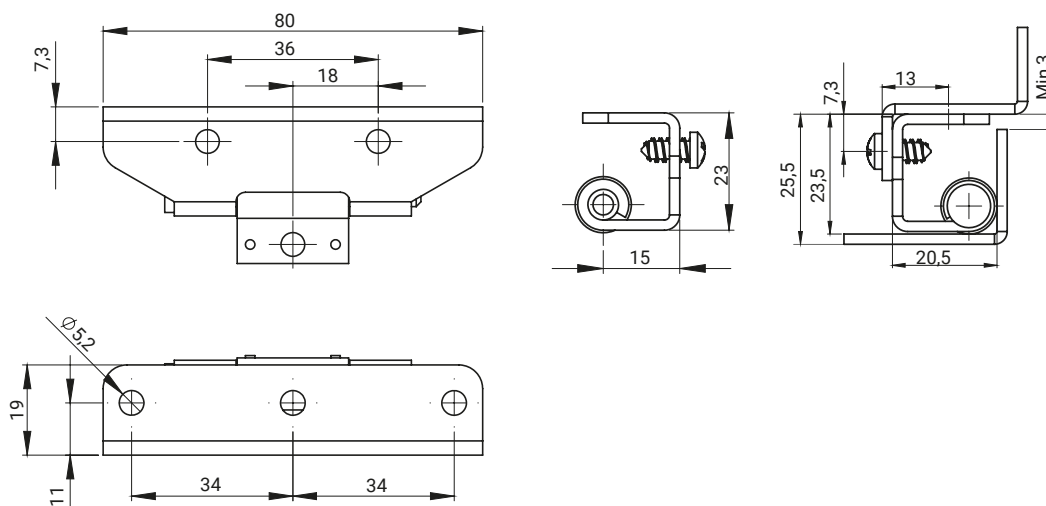


CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST553.001	Base	Steel zinc plated
	Holder	Steel copper plated

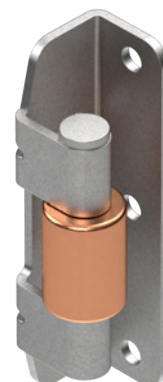
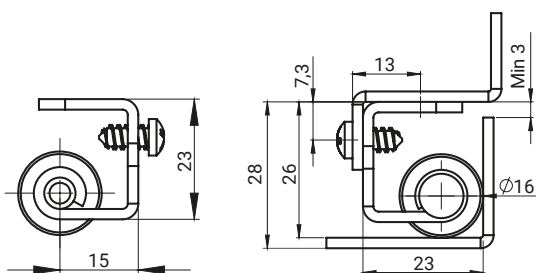
3.ST558 ver. 001



3.ST558 ver. 002

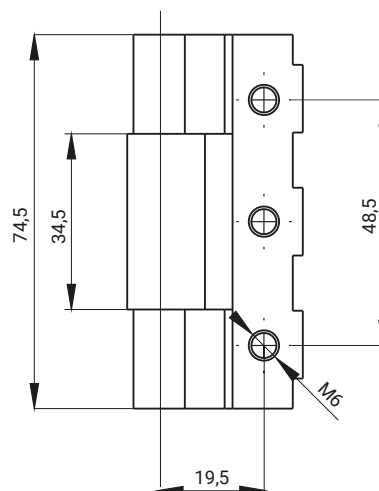
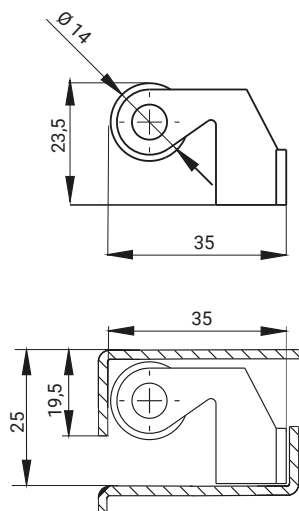


3.ST558 ver. 003



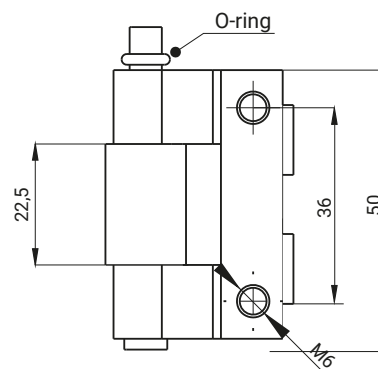
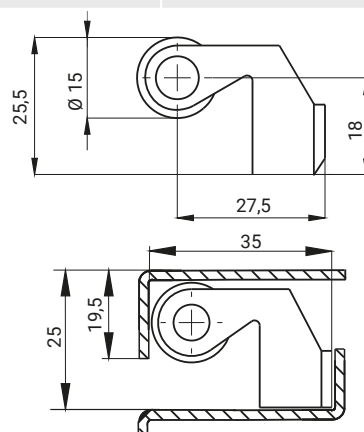
CATALOGUE NO.	COMPONENTS	MATERIAL
3.ST558.001	Base, pin	Steel zinc plated
	Holder	Steel copper plated
3.ST558.002	Base, pin	Steel zinc plated
	Collet	Steel copper plated
3.ST558.003	Base, pin	Steel zinc plated
	Collet	Steel copper plated

Hinge 3.501, 3.502, 3.503



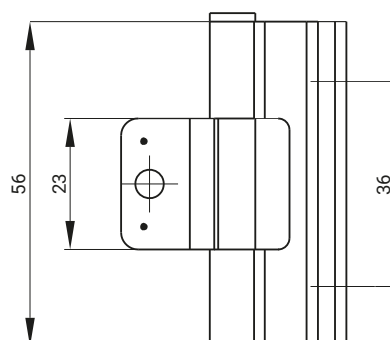
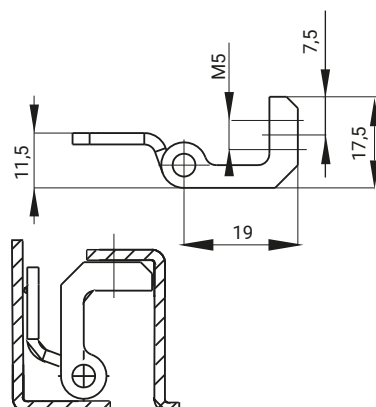
* DIN 7985 M6 screw is not included in the scope of supply.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.501.001	Base	ZAMAK 5 zinc plated
	Holder	Steel copper plated
	Pin	Steel zinc plated



* DIN 7985 M6 screw is not included in the scope of supply.

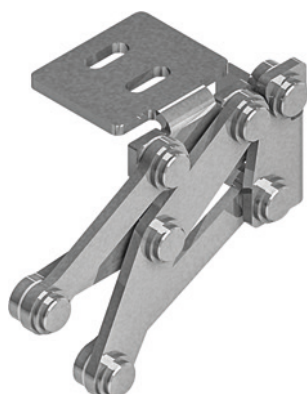
CATALOGUE NO.	COMPONENTS	MATERIAL
3.502.001	Base	ZAMAK 5 zinc plated
	Holder	Steel copper plated
	Pin	Steel zinc plated



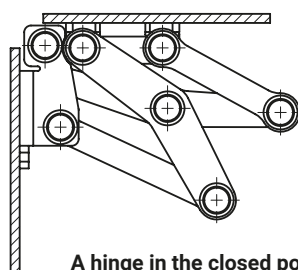
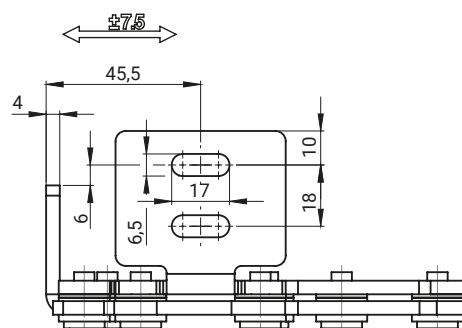
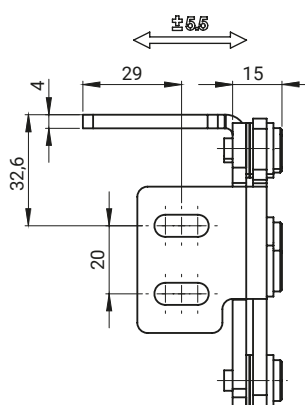
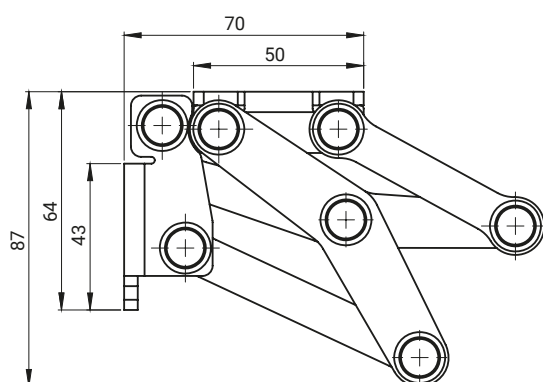
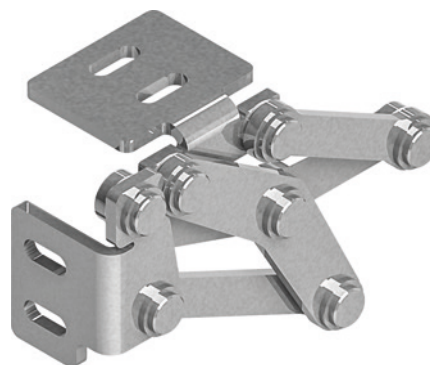
* DIN 7985 M5 screw is not included in the scope of supply.

CATALOGUE NO.	COMPONENTS	MATERIAL
3.503.001	Base	ZAMAK 5 zinc plated
	Holder	Steel copper plated
	Pin	Steel zinc plated

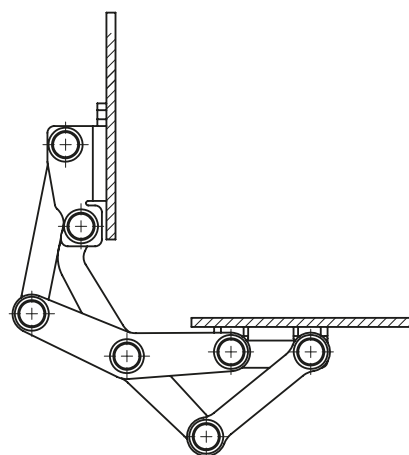
Left hinge
3.ST300.002SN



Right hinge
3.ST300.001SN



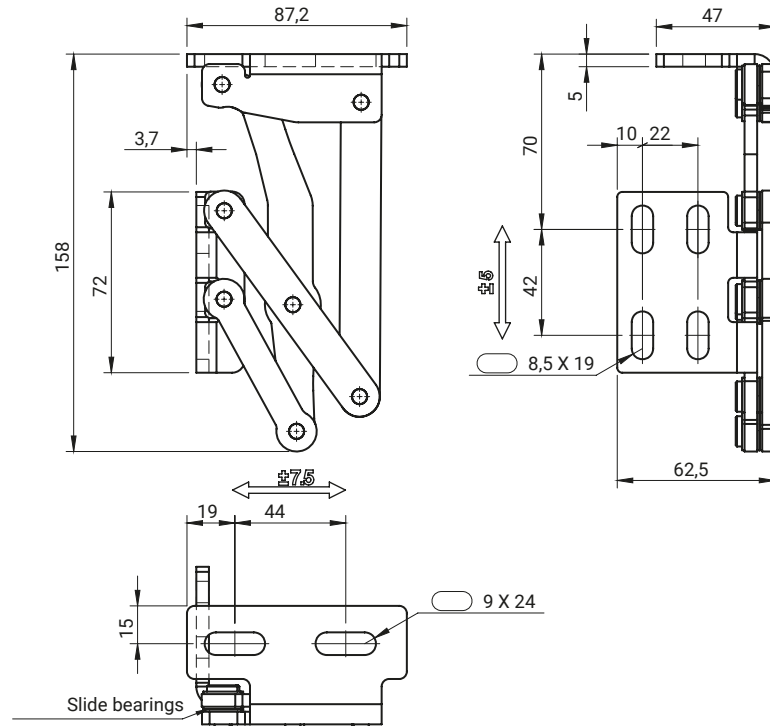
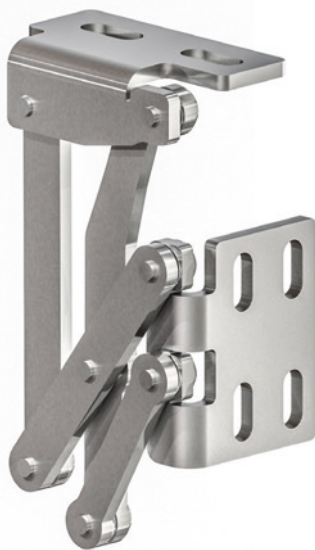
A hinge in the closed position



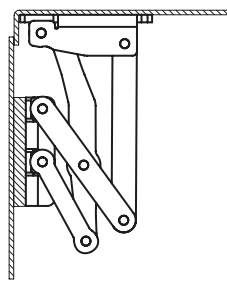
A hinge in the open position

CATALOGUE NO.	VERSION	MATERIAL
3.ST300.001SN	Right	Stainless steel
3.ST300.002SN	Left	

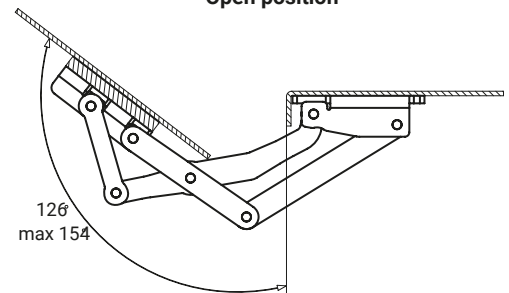
Hinge 3.ST301


3.ST301.001SN
 Right hinge

3.ST301.002SN
 Left hinge


Closed position



Open position



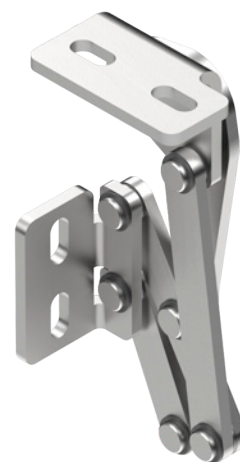
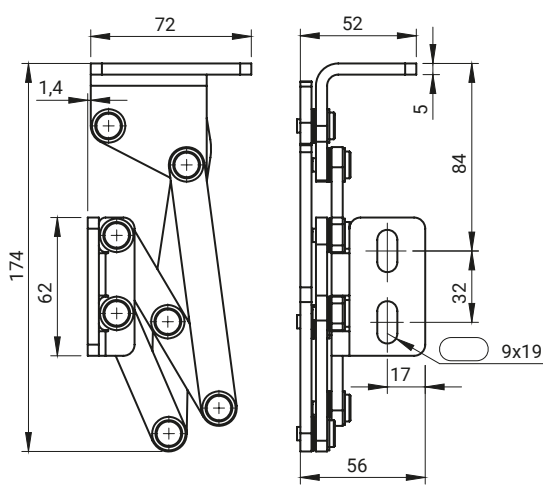
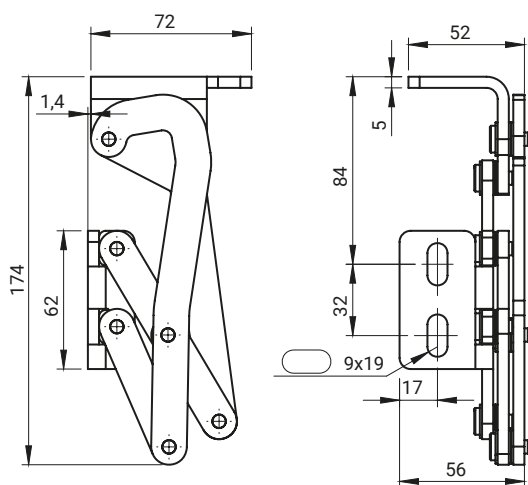
All hinge pivot axes are supported by slide bearings

CATALOGUE NO.	VERSION	MATERIAL
3.ST301.001SN	Right	Stainless steel
3.ST301.002SN	Left	

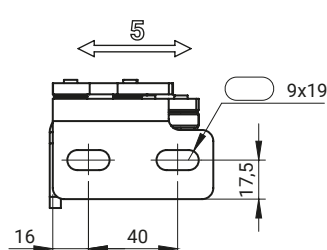
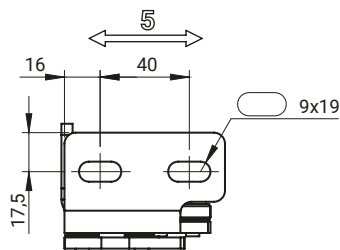


3.ST304.001

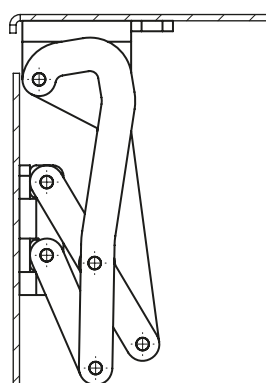
3.ST304.002



3.ST304.001

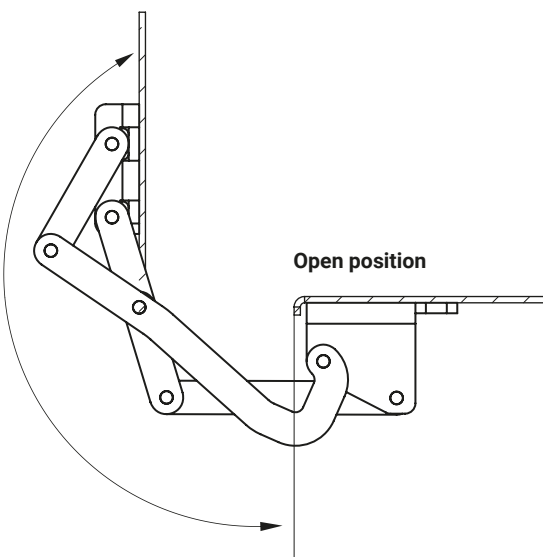


Closed position



max 180°

Open position



3.ST304.002

All hinge pivot axes are supported by slide bearings

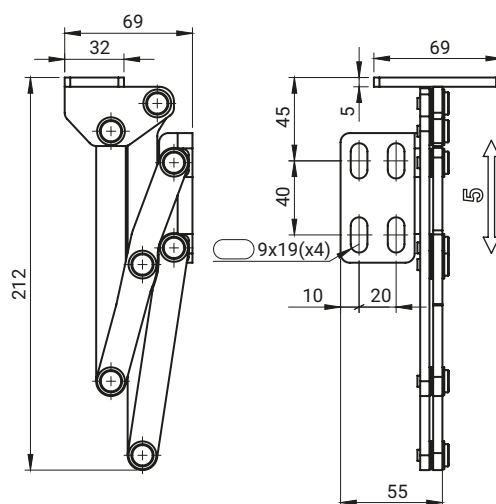
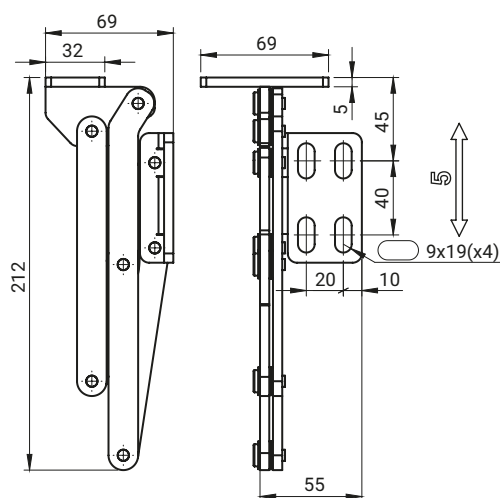
CATALOGUE NO.	VERSION	MATERIAL
3.ST304.001	Right	Stainless steel
3.ST304.002	Left	

Hinge 3.ST305

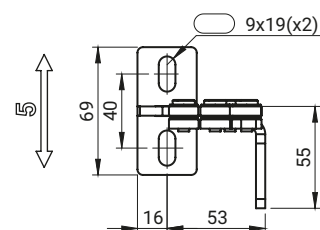
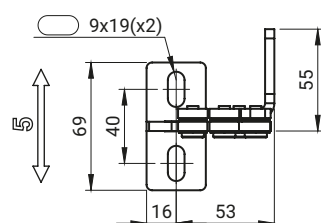


3.ST305.001

3.ST305.002

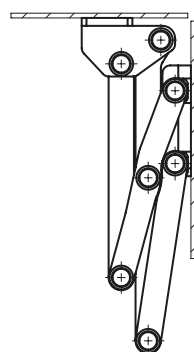


3.ST305.001

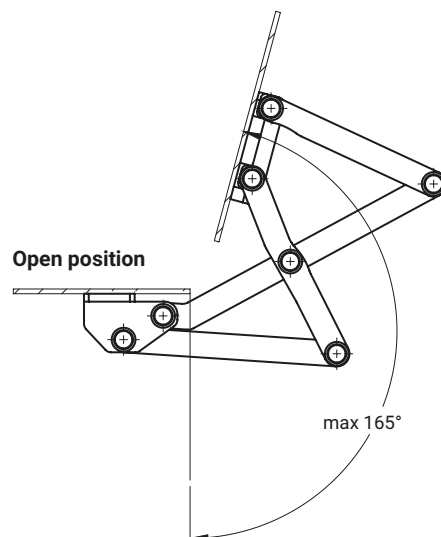


3.ST305.002

Closed position

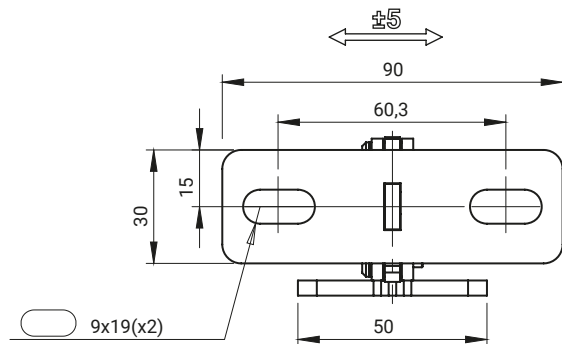
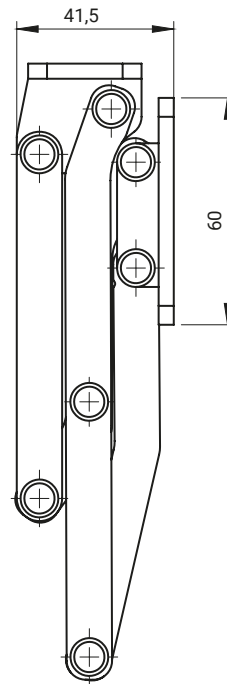
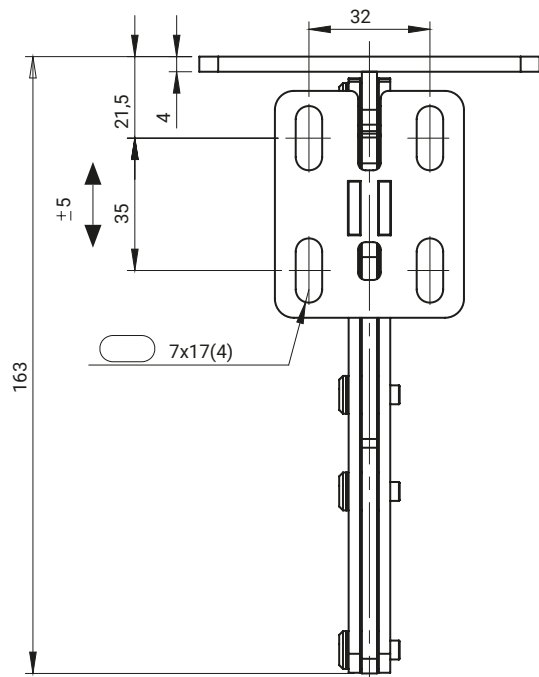


Open position

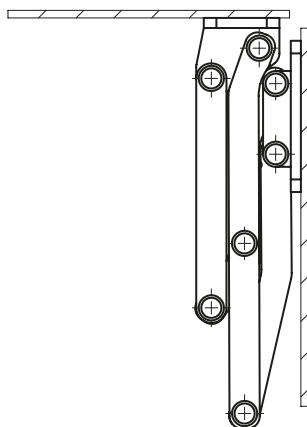


All hinge pivot axes are supported by slide bearings

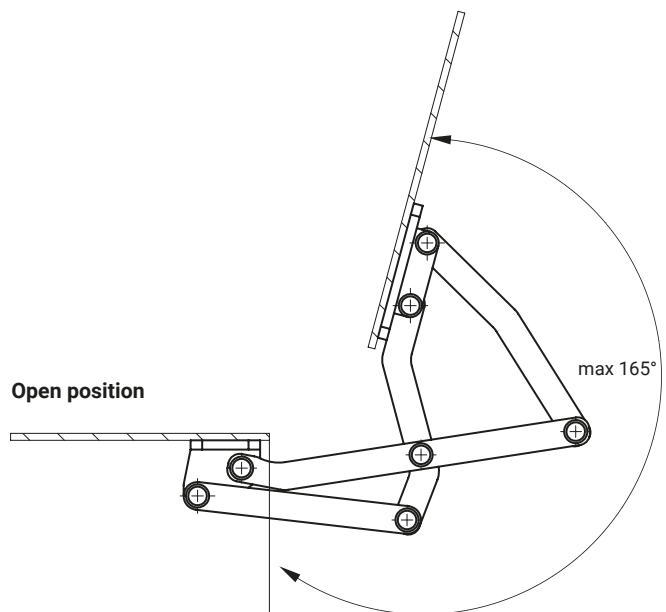
CATALOGUE NO.	VERSION	MATERIAL
3.ST305.001	Right	Stainless steel
3.ST305.002	Left	



Closed position



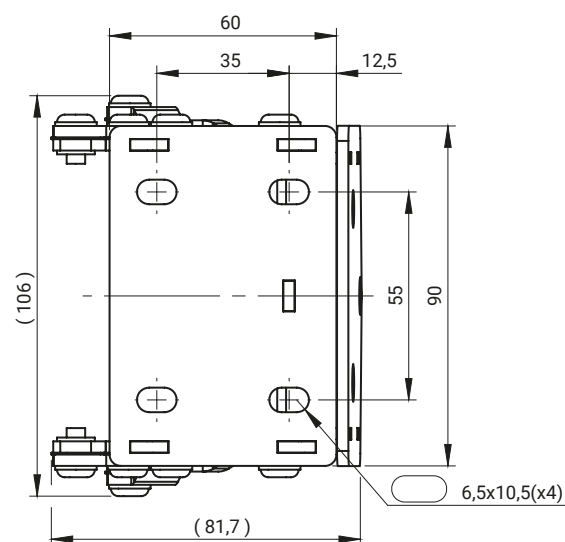
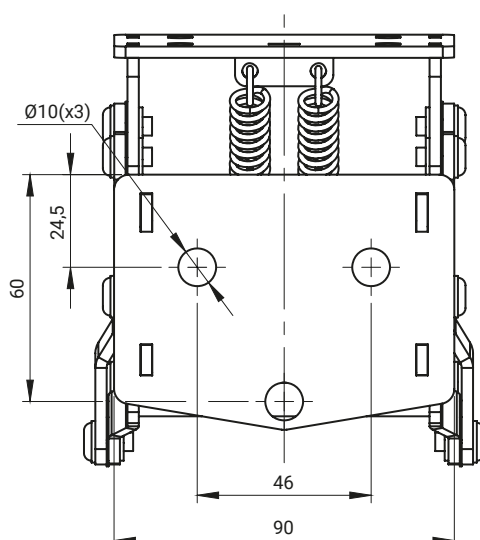
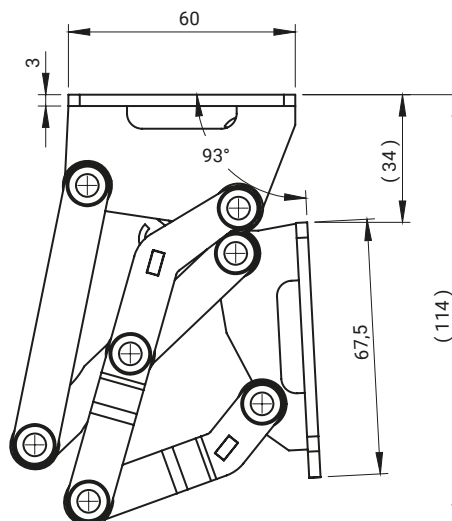
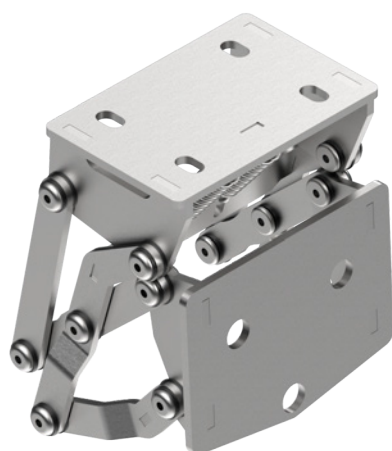
Open position



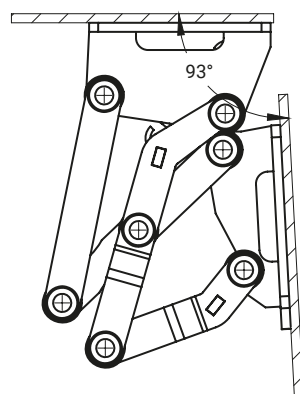
All hinge pivot axes are supported by slide bearings

CATALOGUE NO.	VERSION	MATERIAL
3.ST306.001	Right	Stainless steel

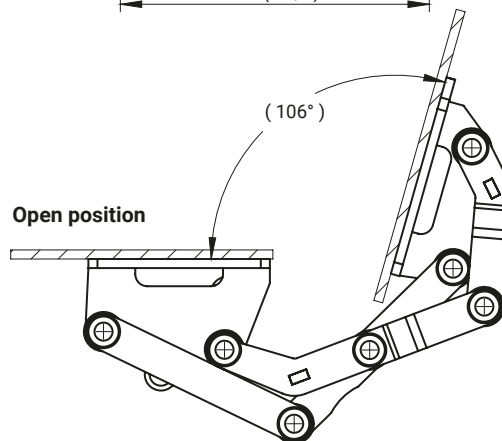
Hinge 3.ST307



Closed position

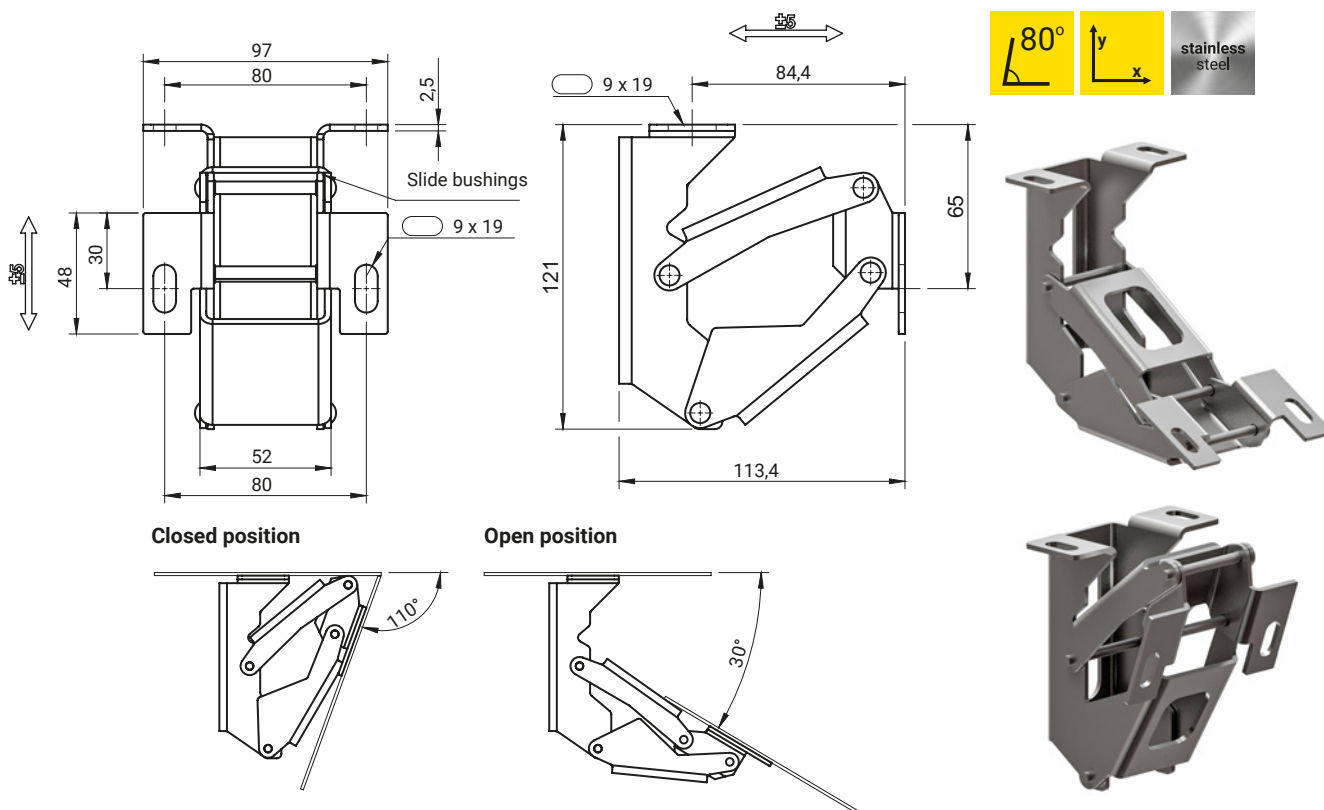


Open position



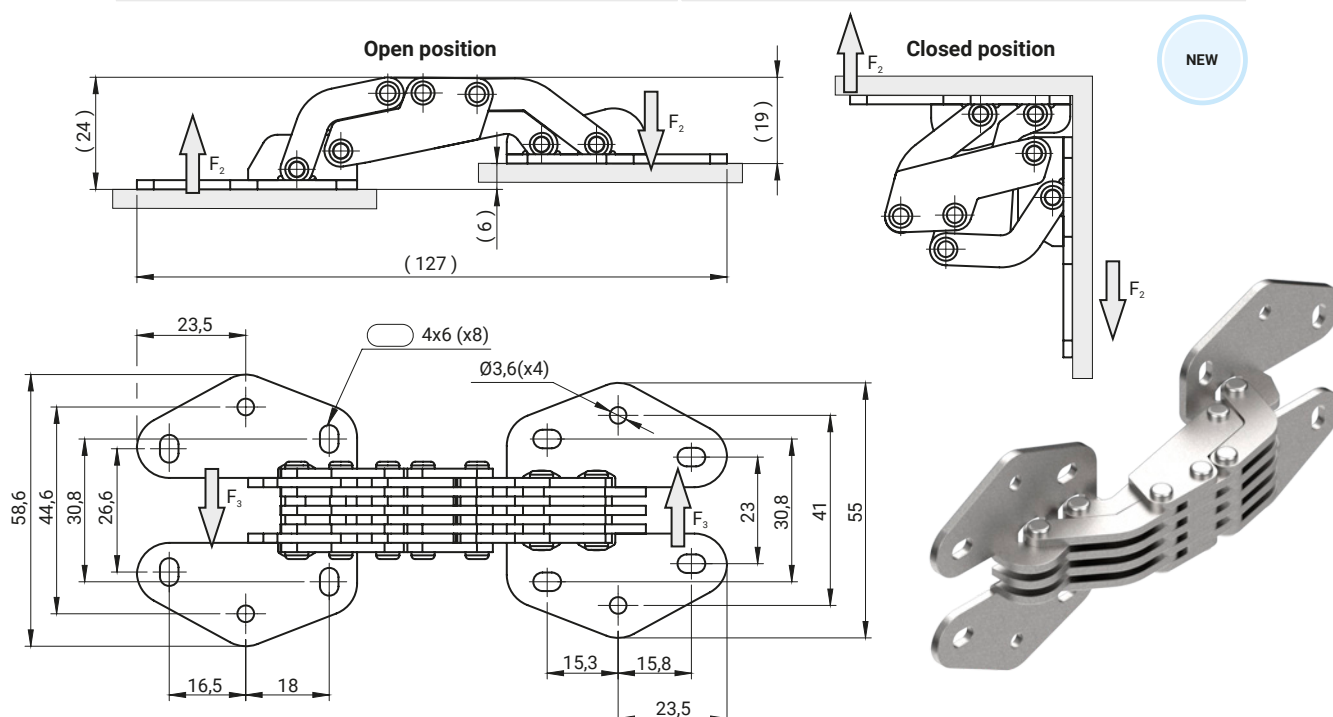
All hinge pivot axes are supported by slide bearings

CATALOGUE NO.	VERSION	MATERIAL
3.ST307.001	Right	Stainless steel



All hinge pivot axes are supported by slide bearings

CATALOGUE NO.	MATERIAL
3.ST302.001SN	Stainless steel



CATALOGUE NO.	MATERIAL
3.ST303.001	Steel zinc plated

The max static load [N]		
Radial force in open position F_1	Radial force in closed position F_2	Axial force F_3
130	580	620

The max static load is the value beyond which the material may break thus prejudicing the hinge performance. Obviously, a suitable coefficient must be applied to this value, according to the importance and the safety level of the specific application.

Test results for max. load of internal hinges

CATALOGUE NO.	MAX. WORKING LOAD [N]		
	AXIAL FORCE	RADIAL FORCE	FORCE AT 90° BENDING
3.ST4-2.001	980	1460	1000
3.ST4-2.001SN	980	1700	1100
3.ST4-4.001	1300	1100	740
3.ST4-4.001SN	1300	1100	970
3.ST5.003	2060	810	-
3.ST12-2.001	300	1250	-
3.ST12-2.001SN	370	1320	-
3.ST12B.001	1100	-	610
3.ST12B.001SN	2400	-	740
3.ST12B.002	630	-	660
3.ST12B.002SN	950	-	770
3.ST12B.003	500	-	630
3.ST16.001	980	840	-
3.ST16.004	540	690	-
3.ST20.001	-	720	-
3.ST20.002	-	770	-
3.ST20.003/A	-	190	-
3.ST20.004	-	750	-
3.ST27.001	1560	1080	-
3.ST27.001SN	1770	1480	-
3.ST27-1.001	1040	1150	-
3.ST27-1.001SN	1430	1520	-
3.ST31.001	400	245	-
3.ST32.001	920	450	-
3.ST32.003	1660	690	-
3.ST32.005	1160	450	-
3.ST46-4.001	480	250	-
3.ST50.002	1760	1570	-
3.ST50.003	1660	1710	-
3.ST50.002SN	2130	1810	-
3.ST50.003SN	2070	2260	-
3.ST65.002SN	-	640	320
3.ST84.001	-	1320	-
3.ST95.001	490	120	-
3.ST95.002SN	640	160	-
3.ST123.001SN	390	130	-
MAX. WORKING LOAD [N]			
3.ST100.001SN	590	1540	420
3.ST100.002SN	510	1780	280
3.ST303.001	620	-	580
MAX. WORKING LOAD [N]			
CATALOGUE NO.	MAX. WORKING LOAD [N]		
	AXIAL FORCE	RADIAL FORCE	
3.ST100.001SN	210	420	
3.ST100.002SN	200	280	
3.ST303.001	130	580	

The maximum working load is the value above which deformation or damage to the hinge will occur during operation. When calculating the permissible load, the designer is required to apply an appropriate safety factor, appropriate to the importance and safety level of the application.