



























# ALUMINIUM RANGE





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### FinAlu® continuous hinge

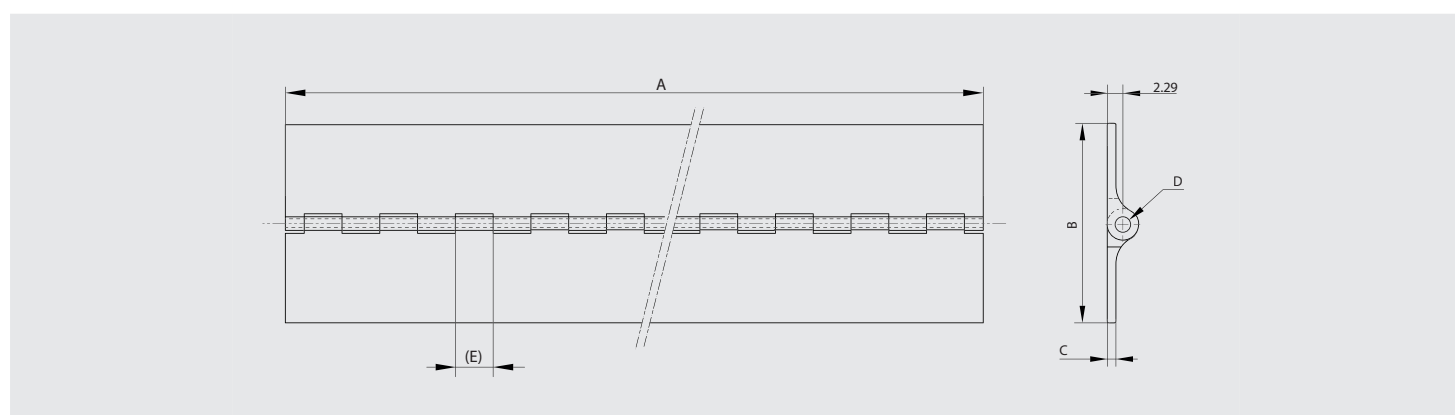
Continuous hinges in aluminium profile with a small pin diameter.

This nice design can be used in many applications (medical, electronic enclosures, food equipment, transportation...).

These hinges have the same dimensions as hinges used in the aircraft industry.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
72-1-4243	6082 T5 alu	anodised	915	31.75	1.3	2.2	12.7	stainless steel	undrilled	150
72-1-4244	6082 T5 alu	raw	1830	31.75	1.3	2.2	12.7	stainless steel	undrilled	300
72-1-4245	6082 T5 alu	anodised	915	44.45	1.3	2.2	12.7	stainless steel	undrilled	190
72-1-4246	6082 T5 alu	raw	1830	44.45	1.3	2.2	12.7	stainless steel	undrilled	380
72-1-4247	6082 T5 alu	anodised	915	63.5	1.3	2.2	12.7	stainless steel	undrilled	250
72-1-4248	6082 T5 alu	raw	1830	63.5	1.3	2.2	12.7	stainless steel	undrilled	500



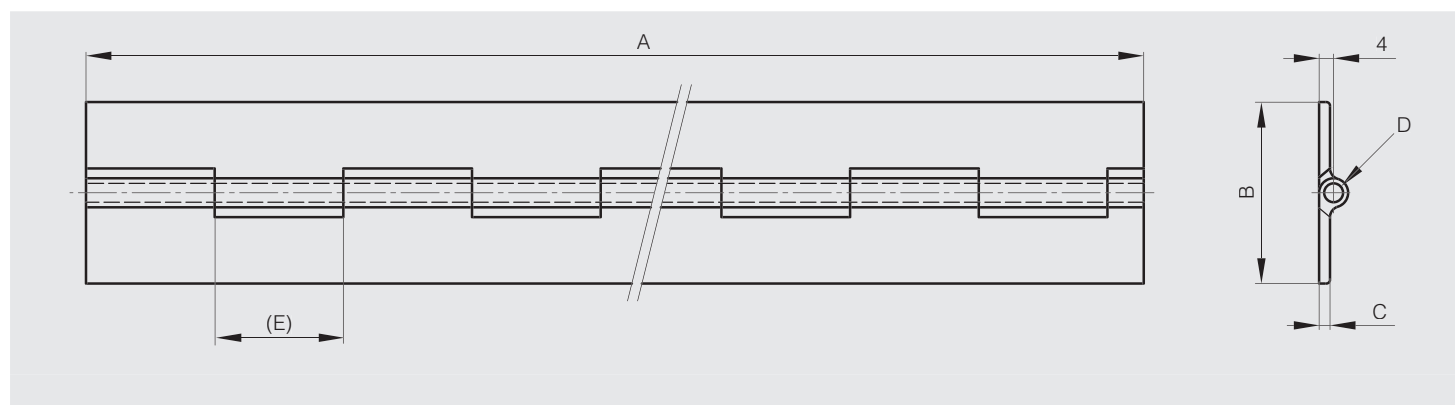
### Aluminium profile continuous hinge - 50 mm

Opening angle 270°. Other lengths are available on request.

Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	V
72-1-3316	6060 T5 alu	raw	2000	50	3	5.2	35.5	304 stainless steel	undrilled	█





### Rolled knuckle continuous hinge - 20 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
41-1-3529	5754 alu	raw	2000	20	0.6	2.4	15	steel	undrilled	117



### Rolled knuckle continuous hinge - 25 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Hinge in raw galvanised steel is made of pregalvanised steel. Therefore any cut surface is ungalvanised.

Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
<b>NEW</b> 41-1-3559	5754 alu	raw	1000	25	0.8	2	15	steel	undrilled	88

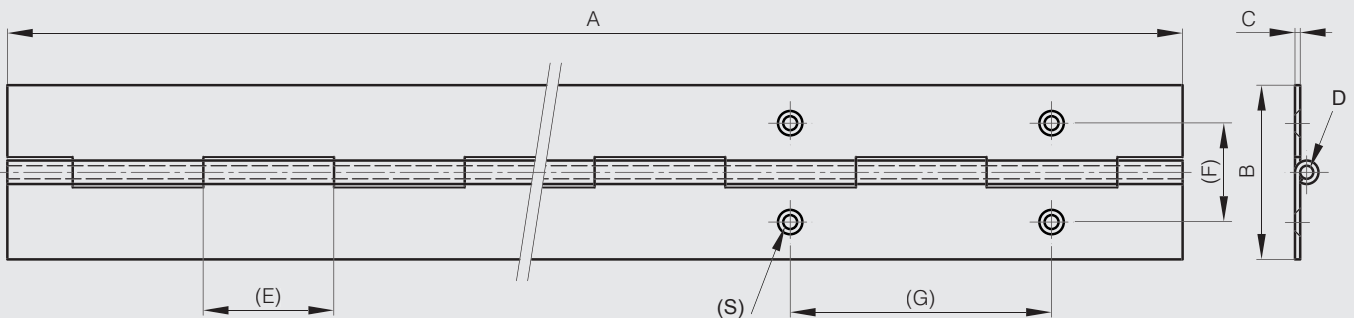


### Rolled knuckle continuous hinge - 30 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
<b>NEW</b> 41-1-3560	5754 alu	raw	1980	30	1	2	15	aluminium	undrilled	205



### Rolled knuckle continuous hinge - 35 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
41-1-3532	5754 alu	raw	1995	35	1	3	30	aluminium	undrilled	232



### Rolled knuckle continuous hinge - 40 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
<b>NEW</b> 41-1-3540	5754 alu	raw	1000	40	1.2	3	30	aluminium	undrilled	178
41-1-3520	5754 alu	raw	2040	40	1.2	3	30	aluminium	undrilled	356
41-1-3521	5754 alu	raw	2000	40	1.5	4	15	aluminium	undrilled	500

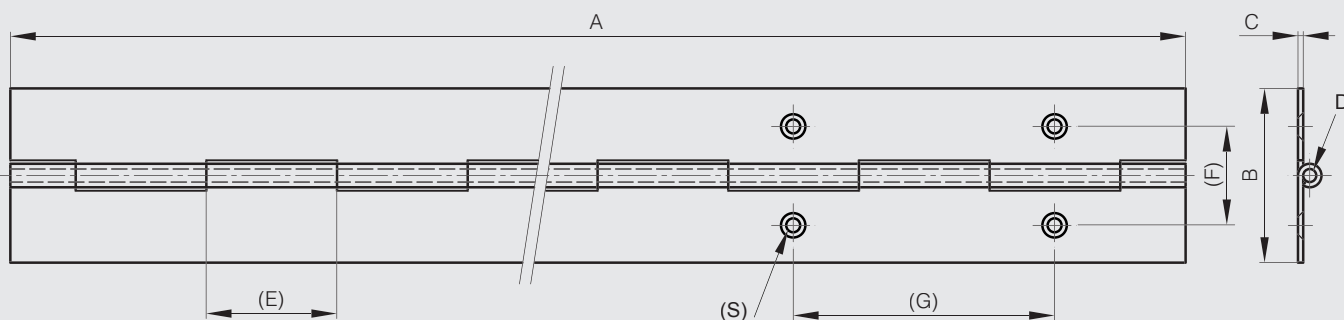


### Rolled knuckle continuous hinge - 50 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
41-1-3531	5754 alu	raw	2040	50	1.2	3	30	aluminium	undrilled	459
<b>NEW</b> 41-1-3541	5754 alu	raw	1000	50	1.5	4	15	aluminium	undrilled	306
41-1-3522	5754 alu	raw	2000	50	1.5	4	15	aluminium	undrilled	612





### Rolled knuckle continuous hinge - 60 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
41-1-3523	5754 alu	raw	1995	60	2	6	30	aluminium	undrilled	998



### Rolled knuckle continuous hinge - 80 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
41-1-3558	5754 alu	raw	1995	80	3	6	40	aluminium	undrilled	1780

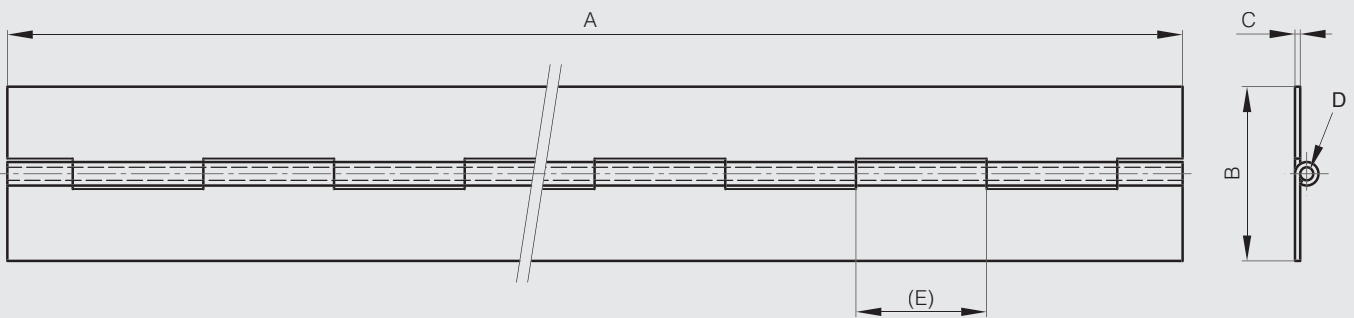


### Rolled knuckle continuous hinge - 100 mm width

Opening angle 270°. Other lengths and pin materials are available on request.  
Specific drilling requirements are also available on request.



Part number	Material	Finish	A	B	C	D	E	Pin material	Note	Weight (g)
<b>NEW</b> 41-1-3561	5754 alu	raw	1000	100	4	10	40	steel	undrilled	2030

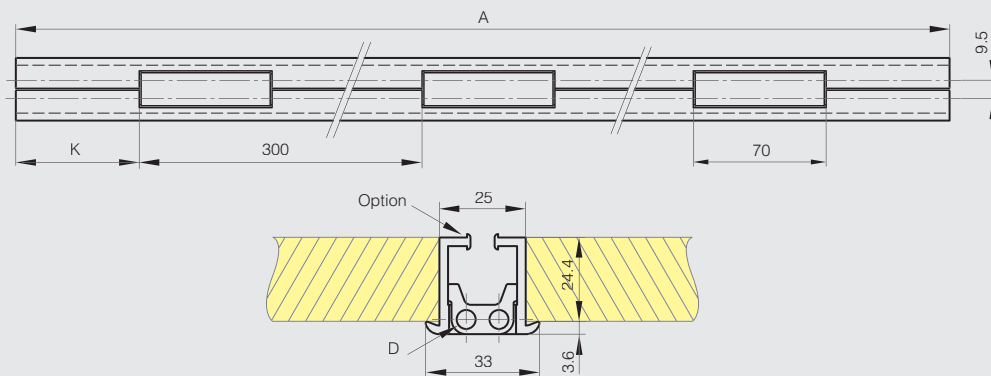


### Double knuckle continuous hinge

Hinge in aluminium profile for 180° opening angle.  
 Delivered without watertight gasket (to be ordered separately).  
 With fixed friction washers.  
 Non-drilled hinges.



Part number	Material	Finish	A	D	K	Pin material	Weight (g)
73-1-3520	6060 T5 alu	clear anodised	2000	5	65	304 stainless steel	2500
73-1-3521	6060 T5 alu	clear anodised	2500	5	15	304 stainless steel	3140
73-1-3522	6060 T5 alu	clear anodised	3000	5	115	304 stainless steel	3780







### Spring hinges - aluminium profile 0.20 N.m



Opening spring force:

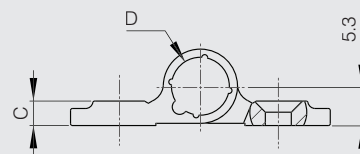
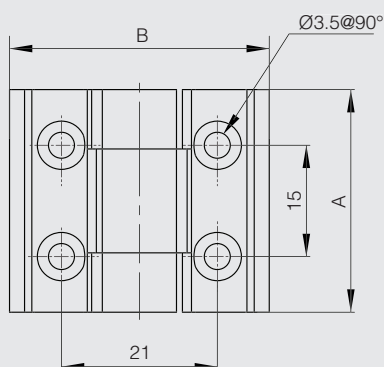
M(0°): 0.23 N.m / M(90°): 0.15 N.m / M(180°): 0.08 N.m.

Closing spring force:

M(0°): 0.08 N.m / M(90°): 0.15 N.m / M(180°): 0.23 N.m.

2 other versions available: with friction or with detent mechanism.

Part number	Material	Finish	A	B	C	D	Note	Weight (g)
72-1-4256	6060 T5 alu	clear anodised	30	35	3.3	8	opening spring	10
72-1-4257	6060 T5 alu	black anodised	30	35	3.3	8	opening spring	10
<b>NEW</b> 72-1-4275	6060 T5 alu	clear anodised	30	35	3.3	8	closing spring	10
<b>NEW</b> 72-1-4276	6060 T5 alu	black anodised	30	35	3.3	8	closing spring	10



### Spring hinges - aluminium profile 0.35 N.m



Opening spring force:

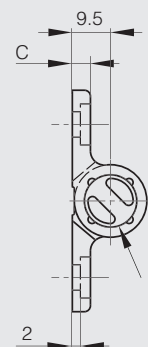
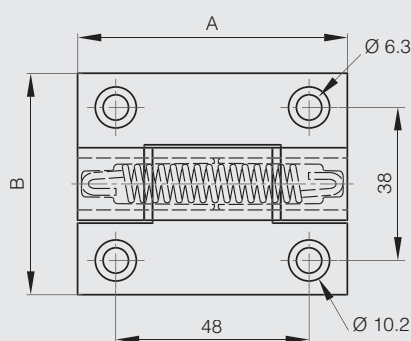
M(0°): 0.35 N.m / M(90°): 0.24 N.m / M(180°): 0.12 N.m.

Closing spring force:

M(0°): 0.12 N.m / M(90°): 0.24 N.m / M(180°): 0.35 N.m.

3 other versions available: free swinging, with friction or with detent mechanism.

Part number	Material	Finish	A	B	C	D	Note	Weight (g)
72-1-4220	6060 T5 alu	clear anodised	67	55	4.5	13	opening spring	60
72-1-4221	6060 T5 alu	black anodised	67	55	4.5	13	opening spring	60
<b>NEW</b> 72-1-4292	6060 T5 alu	clear anodised	67	55	4.5	13	opening spring/ delivered flat	60
<b>NEW</b> 72-1-4293	6060 T5 alu	black anodised	67	55	4.5	13	opening spring/ delivered flat	60
<b>NEW</b> 72-1-4286	6060 T5 alu	clear anodised	67	55	4.5	13	closing spring	60
<b>NEW</b> 72-1-4287	6060 T5 alu	black anodised	67	55	4.5	13	closing spring	60



### Spring hinges - aluminium profile 0.70 N.m



Opening spring force:

M(0°): 0.7 N.m / M(90°): 0.45 N.m / M(180°): 0.23 N.m.

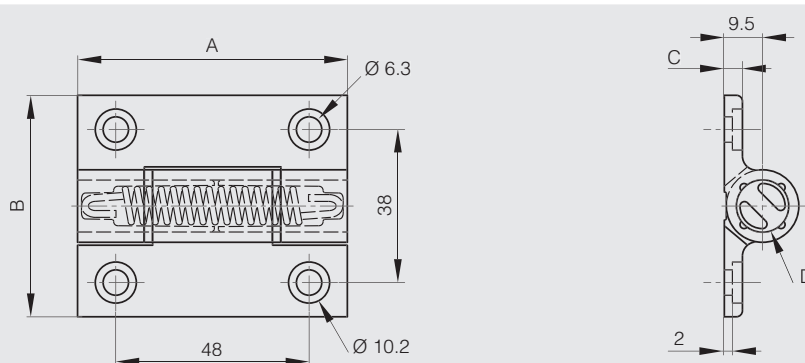
Closing spring force:

M(0°): 0.23 N.m / M(90°): 0.45 N.m / M(180°): 0.7 N.m.

3 other versions available: free swinging, with friction or with detent mechanism.



Part number	Material	Finish	A	B	C	D	Note	Weight (g)
72-1-4218	6060 T5 alu	clear anodised	67	55	4.5	13	opening spring	65
72-1-4219	6060 T5 alu	black anodised	67	55	4.5	13	opening spring	65
<b>NEW</b> 72-1-4294	6060 T5 alu	clear anodised	67	55	4.5	13	opening spring / delivered flat	65
<b>NEW</b> 72-1-4295	6060 T5 alu	black anodised	67	55	4.5	13	opening spring / delivered flat	65
<b>NEW</b> 72-1-4272	6060 T5 alu	clear anodised	67	55	4.5	13	closing spring	65
<b>NEW</b> 72-1-4273	6060 T5 alu	black anodised	67	55	4.5	13	closing spring	65



### Spring hinges - aluminium profile 1.3 N.m



Opening spring force:

M(0°): 1.3 N.m / M(90°): 1.1 N.m / M(180°): 0.9 N.m.

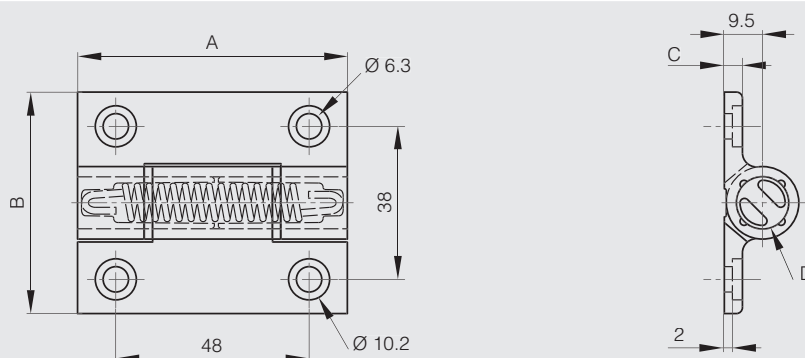
Closing spring force:

M(0°): 0.9 N.m / M(90°): 1.1 N.m / M(180°): 1.3 N.m.

3 other versions available: free swinging, with friction or with detent mechanism.



Part number	Material	Finish	A	B	C	D	Note	Weight (g)
72-1-4222	6060 T5 alu	clear anodised	67	55	4.5	13	opening spring	67
72-1-4223	6060 T5 alu	black anodised	67	55	4.5	13	opening spring	67
<b>NEW</b> 72-1-4296	6060 T5 alu	clear anodised	67	55	4.5	13	opening spring / delivered flat	67
<b>NEW</b> 72-1-4297	6060 T5 alu	black anodised	67	55	4.5	13	opening spring / delivered flat	67
72-1-4260	6060 T5 alu	clear anodised	67	55	4.5	13	closing spring	67
72-1-4261	6060 T5 alu	black anodised	67	55	4.5	13	closing spring	67





# Aluminium range - Hinges

## Hinges with dual function

### Spring hinges - aluminium profile 3.80 N.m

Opening spring force:

M(0°): 3.80 N.m / M(90°): 3.10 N.m / M(180°): 2.40 N.m.

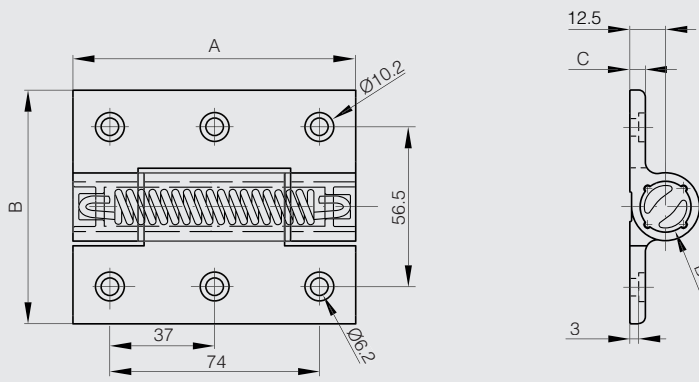
Closing spring force:

M(0°): 2.20 N.m / M(90°): 2.90 N.m / M(180°): 3.50 N.m.



Free swinging hinge without spring available (part number: 72-1-4241 in colorless or 72-1-4242 in black).

Part number	Material	Finish	A	B	C	D	Note	Weight (g)
72-1-4231	6082 T5 alu	clear anodised	100	82.5	5.5	24	opening spring	183
72-1-4232	6082 T5 alu	black anodised	100	82.5	5.5	24	opening spring	183
72-1-4258	6082 T5 alu	clear anodised	100	82.5	5.5	24	closing spring	183
72-1-4259	6082 T5 alu	black anodised	100	82.5	5.5	24	closing spring	183



### Spring hinges 50 mm long



Opening spring force:

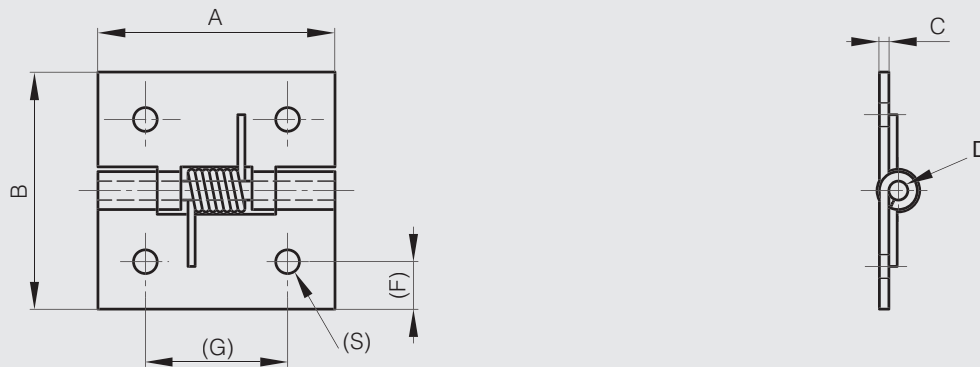
M(0°): 1.5 N.m / M(90°): 1.1 N.m / M(180°): 0.65 N.m.

Closing spring force:

M(0°): 0.25 N.m / M(90°): 0.65 N.m / M(180°): 1.1 N.m.



Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
<b>NEW</b> 71-1-3856	5754 alu	raw	50	50	2	4	9	30	5	Bezinal steel opening spring	22
<b>NEW</b> 71-1-3857	5754 alu	raw	50	50	2	4	9	30	5	Bezinal steel closing spring	22



### Opening spring hinges 120 mm long

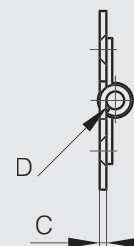
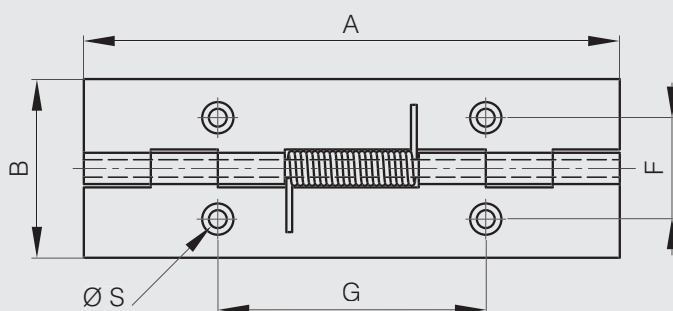


Opening spring force:

$M(0^\circ)$ : 0.85 N.m /  $M(90^\circ)$ : 0.56 N.m /  $M(180^\circ)$ : 0.28 N.m.

Stainless steel spring.

Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
<b>NEW</b> 71-1-3860	5754 alu	raw	120	40	1.5	4				undrilled	45
<b>NEW</b> 71-1-3861	5754 alu	raw	120	40	1.5	4	22.7	60	4	drilled	45



### Closing spring hinges 120 mm long

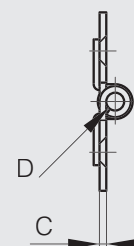
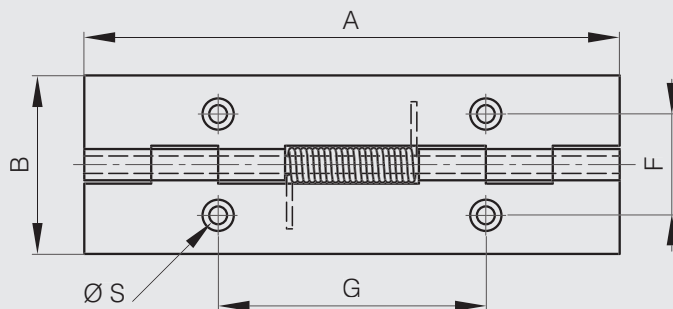


Closing spring force:

$M(0^\circ)$ : 0.28 N.m /  $M(90^\circ)$ : 0.56 N.m /  $M(180^\circ)$ : 0.85 N.m.

Stainless steel spring.

Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
<b>NEW</b> 71-1-3862	5754 alu	raw	120	40	1.5	4				undrilled	45
<b>NEW</b> 71-1-3863	5754 alu	raw	120	40	1.5	4	22.7	60	4	drilled	45



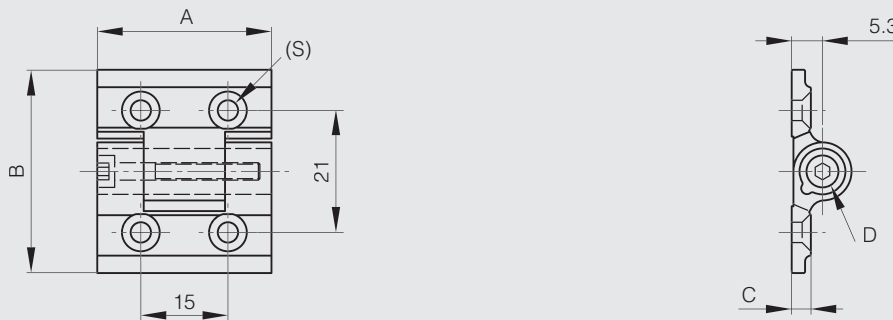


### Small friction hinges - adjustable

Small size friction hinge to maintain a lid / door in position.  
 The friction torque is adjustable with a hex key.  
 2 other versions available: with spring or with detent function.  
 A full product data sheet is available on our website.



Part number	Material	Finish	A	B	C	D	S	Torque	Weight (g)
72-1-4136	6060 T5 alu	raw	30	35	3	8	3.5	0 - 1 N.m	10
72-1-4160	6060 T5 alu	clear anodised	30	35	3	8	3.5	0 - 1 N.m	10
72-1-4137	6060 T5 alu	black anodised	30	35	3	8	3.5	0 - 1 N.m	10

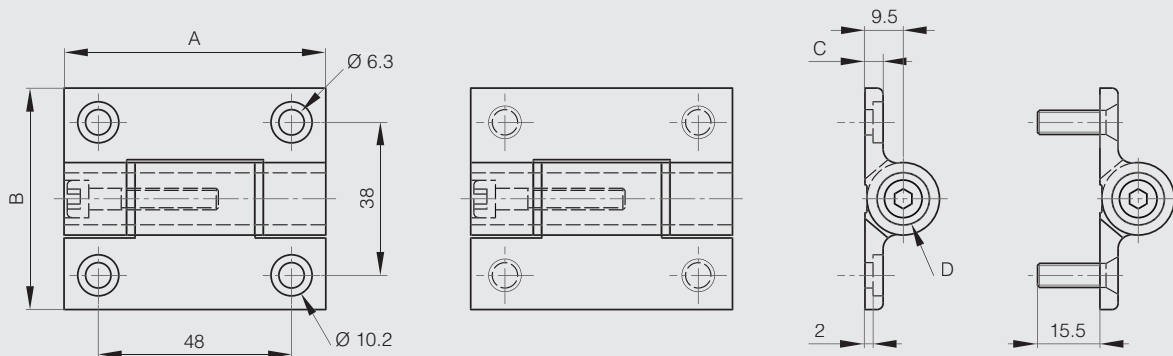


### Large friction hinges - adjustable

Large size friction hinge to maintain a lid / door in position.  
 The friction torque is adjustable with a hex key.  
 Available with a choice of studs or holes.  
 3 other versions available: with spring, with detent function or free swinging.  
 A full product data sheet is available on our website.



Part number	Material	Finish	A	B	C	D	Torque	Note	Weight (g)
72-1-4145	6060 T5 alu	clear anodised	65	55	4.5	13	0 - 5 N.m	fixing by screw CHC M6	66
72-1-4146	6060 T5 alu	black anodised	65	55	4.5	13	0 - 5 N.m	fixing by screw CHC M6	66
72-1-4147	6060 T5 alu	clear anodised	65	55	4.5	13	0 - 5 N.m	fixing by M6 studs	78
72-1-4148	6060 T5 alu	black anodised	65	55	4.5	13	0 - 5 N.m	fixing by M6 studs	78



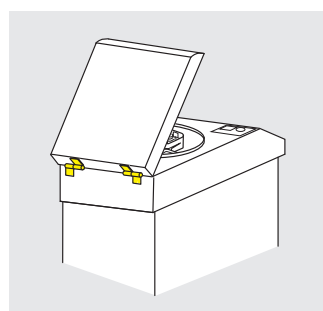
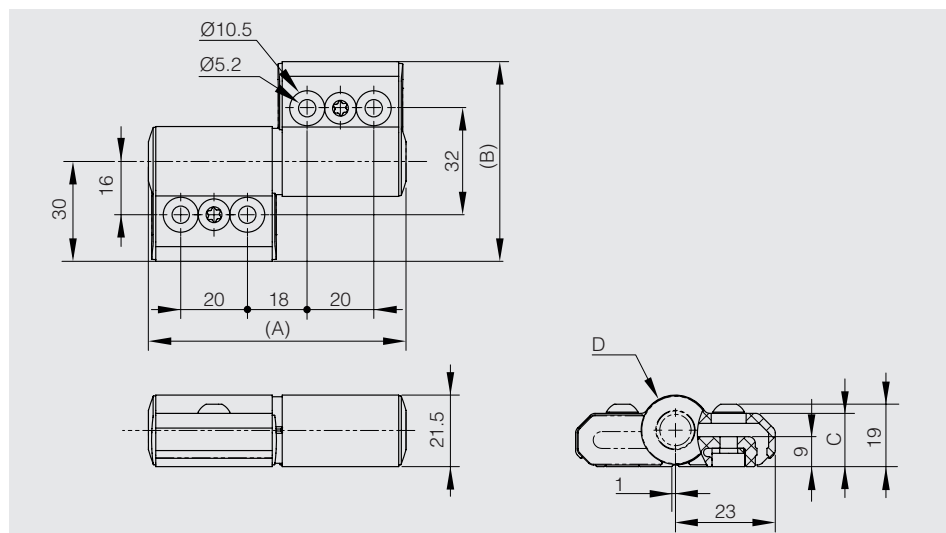
### One way torque hinge - constant torque 9 N.m / set



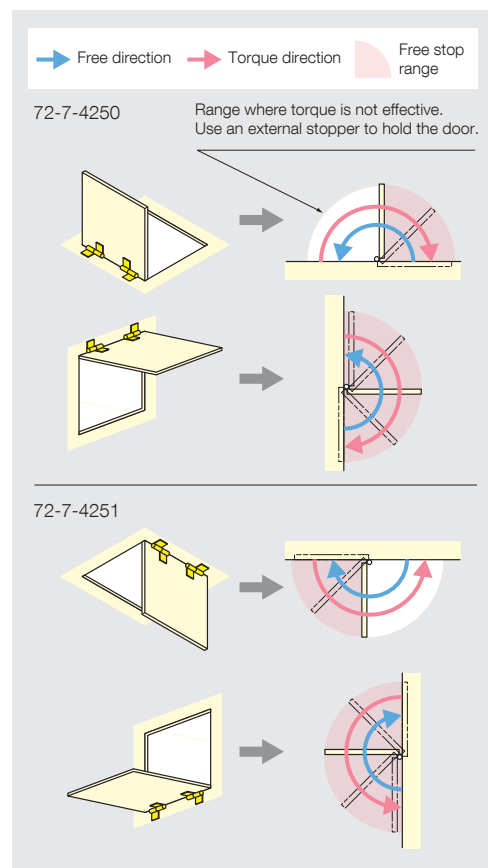
- Aluminium torque hinge.
- Friction in one direction only: allows for frictionless handling of the door in the opposite direction.
- Tested over 30,000 cycles.
- Torque is constant in torque direction.
- Sold in pairs (left / right).
- Ideal to prevent shock to the door and / or safety.
- Torque moment (per set): 9 N.m.
- Initial torque may vary from -20% to +40%.
- Not suited for vibration environment.
- Torque will be affected by temperature.
- Do not lubricate.
- For indoor use only.
- Body in aluminium, shaft in stainless steel, sleeve and cover in polyacetal (POM).



Part number	Material	Finish	A	B	C	D	Torque	Note	Weight (g)
72-7-4250	aluminium	anodised	77.5	60	16	21	9 N.m / set	torque in the clockwise direction sold in pairs	270
72-7-4251	aluminium	anodised	77.5	60	16	21	9 N.m / set	torque in the anti clockwise direction sold in pairs	270



Installation





### Hi-Klik™ detent hinges - small

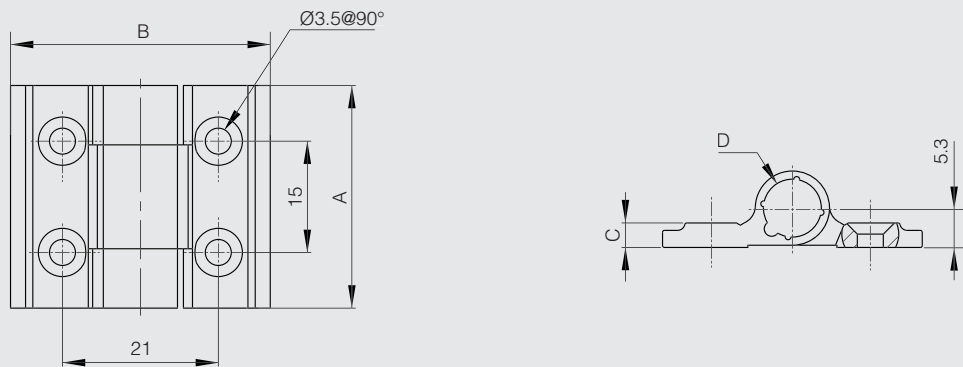
Indented every 30°.

Torque is preset.

2 different versions available: with spring or with friction mechanism.



Part number	Material	Finish	A	B	C	D	Torque	Weight (g)
72-1-4235	6060 T5 alu	clear anodised	30	35	3.3	8	0.4 N.m	10
72-1-4236	6060 T5 alu	black anodised	30	35	3.3	8	0.4 N.m	10



### Hi-Klik™ detent hinges - large

Indented every 30°. 4 torque values.

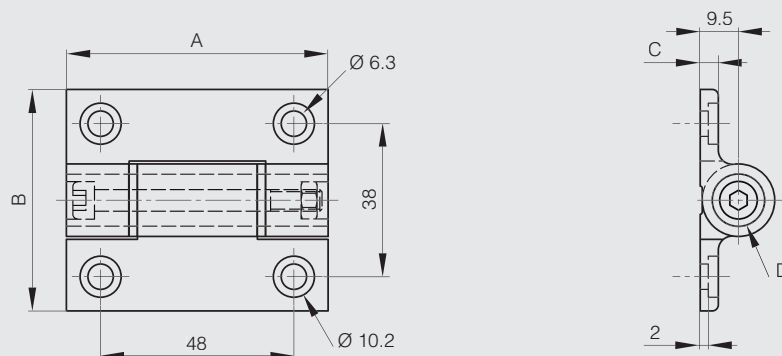
Torque is preset.

3 other versions available: free swinging, with spring or with friction mechanism.

A full product data sheet is available on our website.



Part number	Material	Finish	A	B	C	D	Torque	Weight (g)
72-1-4197	6060 T5 alu	black anodised	67	55	4.5	13	1.8 N.m	106
72-1-4198	6060 T5 alu	black anodised	67	55	4.5	13	2.5 N.m	106
72-1-4225	6060 T5 alu	black anodised	67	55	4.5	13	3.2 N.m	106
72-1-4233	6060 T5 alu	black anodised	67	55	4.5	13	5 N.m	106



### Soft-close dampening hinges in aluminium

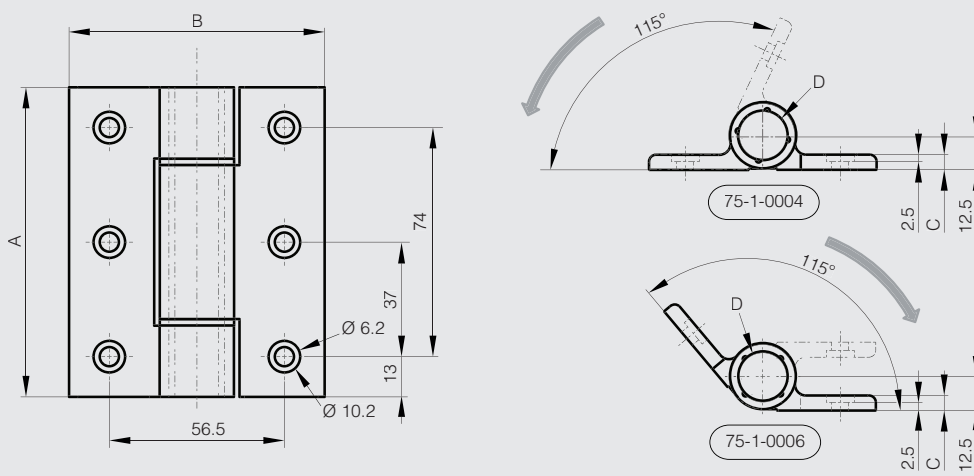


115° ALU

- Soft-close dampening hinge: soft-close damper keeps lid from slamming shut when the hinge is put in the open position.
  - Damper working direction: shown by the arrow in the drawing.
  - Operating angle: 115°.
  - If the opening angle is wider than 115° (+/- 5°), mechanism is broken and damper doesn't work any longer.
  - **Provide a door stopper to prevent from overturning beyond the prescribed angle range.**
  - Do not force the door to close faster in damper effective direction. It can cause damage to the product.
  - When the door opening angle is small, the dampers may not work smoothly.
  - Torque moment (for one hinge): 2.5 to 4.5 N.m.
  - Torque calculation:
- Torque (N.m) = L (m) x 1/2 x W (kg) x 9.8 with:
- L = door height in metre.
  - W = door weight in kilo.
- Operating temperature: 0 to +40°C.
  - Soft close of a door (vertical application): door closing system.
- Put together with a spring hinge with same dimension (72-1-4231 or 72-1-4232), an automatic soft close of a door is possible without any other component.
- Please ask us for more information.



Part number	Material	Finish	A	B	C	D	Torque	Note	Weight (g)
75-1-0004	6082 T5 alu	clear anodised	100	82.5	5.5	18	2.5 - 4.5 N.m	Damper working direction when opening the hinge	242
<b>NEW</b> 75-1-0006	6082 T5 alu	clear anodised	100	82.5	5.5	18	2.5 - 4.5 N.m	Damper working direction when closing the hinge	242



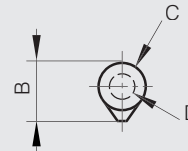
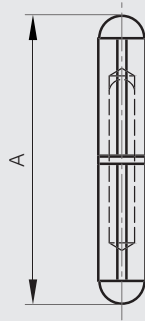




### Round top weld-on aluminium hinges - stainless steel pin - stainless steel washer



Part number	Material	Finish	A	B	C	D	Weight (g)
14-7-3815	aluminium	raw	60	12	10	6	20
14-7-3816	aluminium	raw	80	16	13	8	40
14-7-3817	aluminium	raw	100	20	16	10	75
14-7-3818	aluminium	raw	120	20	16	11	93



### Aluminium profile hinges

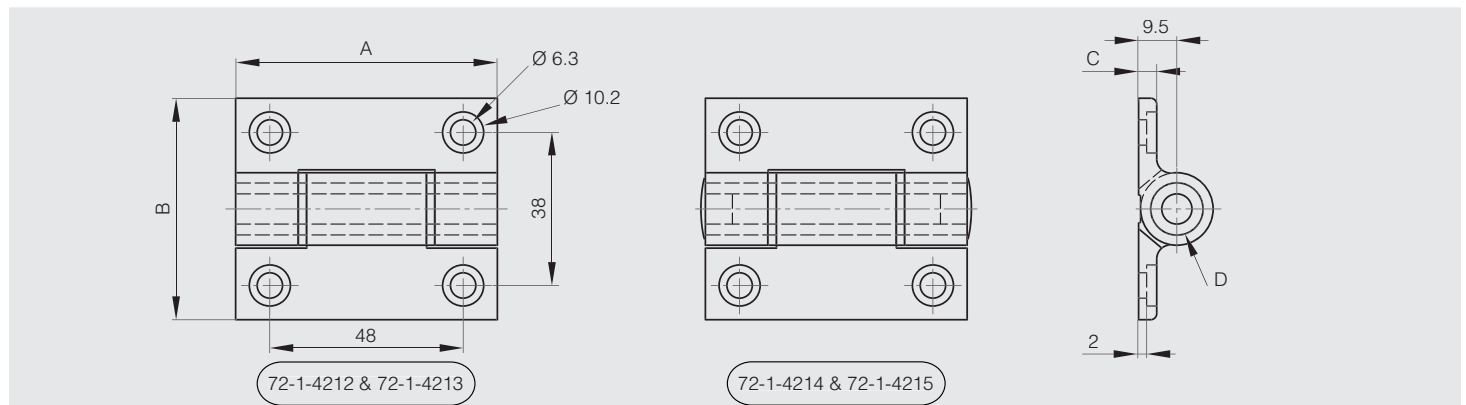
This hinge has the same footprint and design as our friction, detent and spring hinges.

All are fully interchangeable.

Plastic pin with or without end caps.



Part number	Material	Finish	A	B	C	D	Note	Weight (g)
72-1-4212	6060 T5 alu	clear anodised	65	55	4.5	13	without cap	130
72-1-4213	6060 T5 alu	black anodised	65	55	4.5	13	without cap	130
72-1-4214	6060 T5 alu	clear anodised	65	55	4.5	13	with cap	130
72-1-4215	6060 T5 alu	black anodised	65	55	4.5	13	with cap	130



### Heavy duty aluminium profile hinges

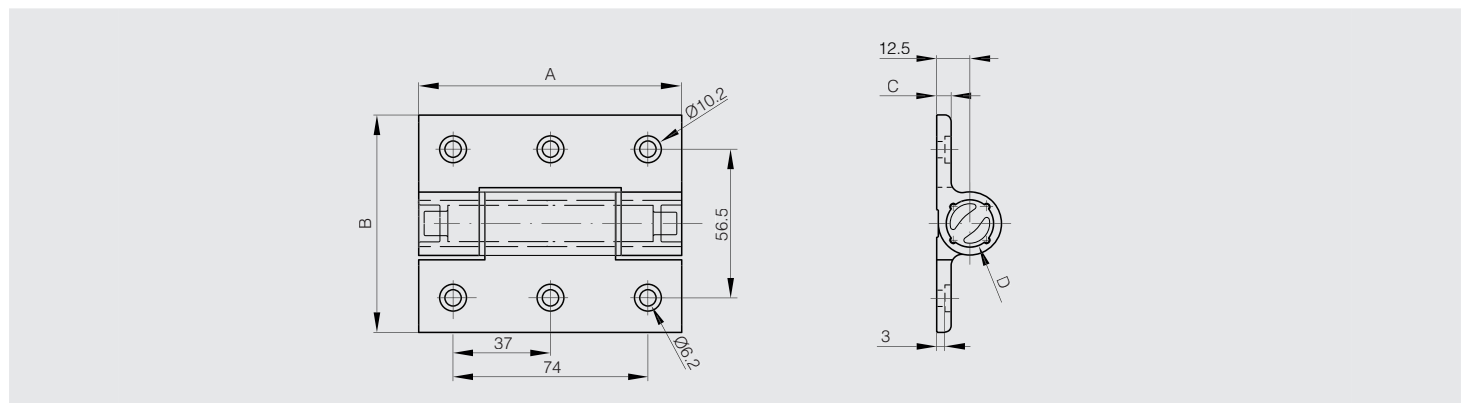
Free swinging hinge.

It has the same footprint and design as the spring hinge for heavy duty applications (part numbers: 72-1-4231, 72-1-4232, 72-1-4258 and 72-1-4259).

All are fully interchangeable.



Part number	Material	Finish	A	B	C	D	Weight (g)
72-1-4241	6082 T5 alu	clear anodised	100	82.5	5.5	24	148
72-1-4242	6082 T5 alu	black anodised	100	82.5	5.5	24	148



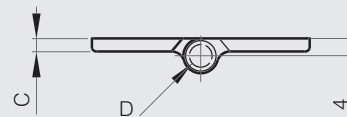
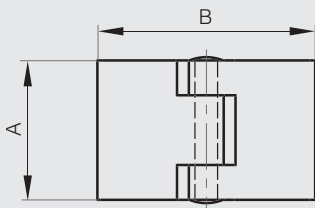


### Aluminium hinges - 50 mm width

Hinge with 304 stainless steel riveted pin.



Part number	Material	Finish	A	B	C	D	Weight (g)
72-1-3635	6060 T5 alu	raw	32	50	3	5.2	20
72-1-3636	6060 T5 alu	raw	50	50	3	5.2	30

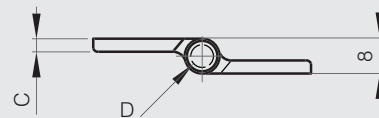
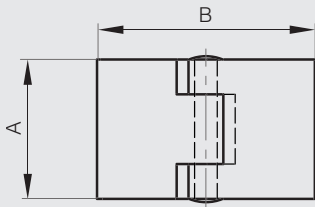


### Aluminium hinges with reversed leaves - 50 mm width

Hinge with 304 stainless steel riveted pin.



Part number	Material	Finish	A	B	C	D	Weight (g)
72-1-3637	6060 T5 alu	raw	32	50	3	5.2	20
72-1-3638	6060 T5 alu	raw	50	50	3	5.2	30



### Clean room hinge 65 x 60 mm

No metal-to-metal contact. Polyacetal bushings minimize particles.

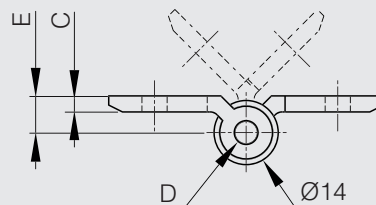
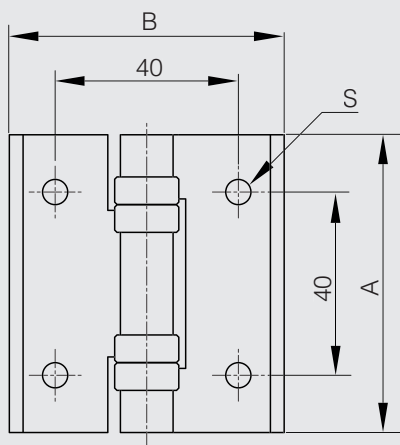
Door size: max. W600 x L800.

Door weight: max. 13 kg/pair.

303 stainless steel pin.



Part number	Material	Finish	A	B	C	D	E	S	Weight (g)
72-7-4252	aluminium	anodised	65	60	3.5	5	8	5.5	50



### Clean room hinge 100 x 60 mm

No metal-to-metal contact. Polyacetal bushings minimize particles.

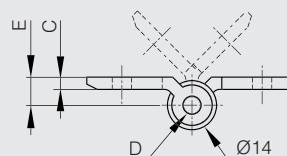
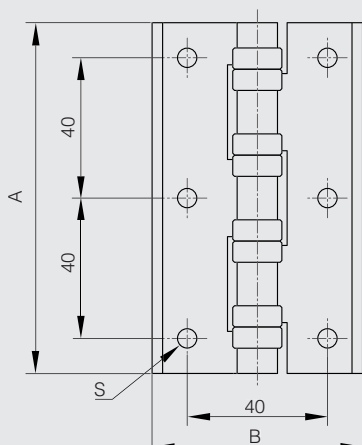
Door size: max. W600 x L800.

Door weight: max. 13 kg/pair.

303 stainless steel pin.



Part number	Material	Finish	A	B	C	D	E	S	Weight (g)
72-7-4253	aluminium	anodised	100	60	3.5	5	8	5.5	78





### Clean room lift-off hinges 65 x 60 mm

No metal-to-metal contact. Polyacetal bushings minimize particles.

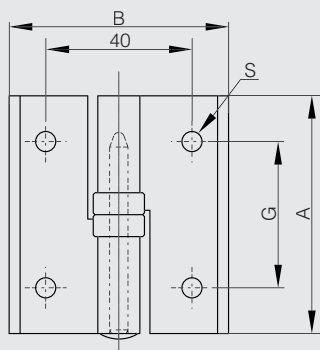
Door size: max. W600 x L800.

Door weight: max. 8 kg/pair.

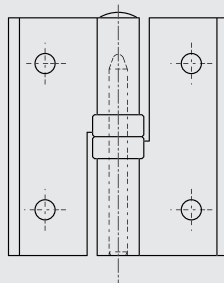
303 stainless steel pin.



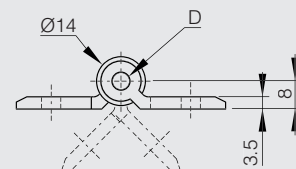
Part number	Material	Finish	A	B	D	G	S	Note	Weight (g)
14-7-3877	aluminium	anodised	65	60	5	40	5.5	type 1	49
14-7-3878	aluminium	anodised	65	60	5	40	5.5	type 2	49



14-7-3877



14-7-3878



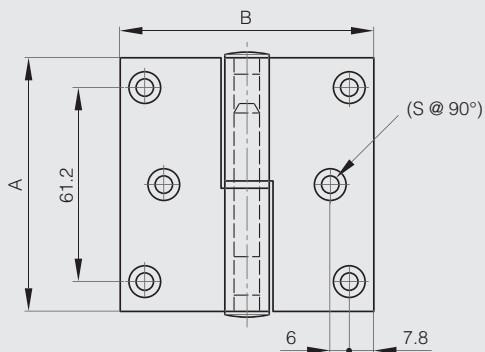
### Aluminium lift-off hinges 80 x 80 mm

Zinc plated steel pin.

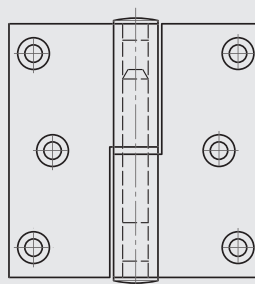
Nylon bushing.



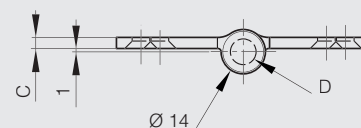
Part number	Material	Finish	A	B	C	D	S	Note	Weight (g)
14-7-3624	aluminium	anodised silver	80	80	3.5	8	5.5	type 1	85
14-7-3625	aluminium	anodised silver	80	80	3.5	8	5.5	type 2	85



14-7-3624



14-7-3625

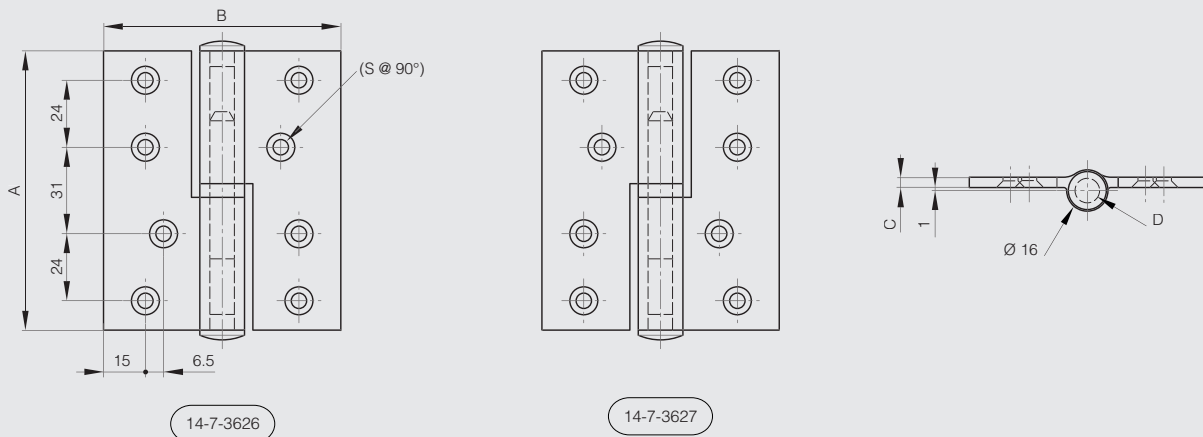


### Aluminium lift-off hinges 100 x 85 mm

Zinc plated steel pin.  
Nylon bushing.



Part number	Material	Finish	A	B	C	D	S	Note	Weight (g)
14-7-3626	aluminium	anodised silver	100	85	3.5	9	5.5	type 1	99
14-7-3627	aluminium	anodised silver	100	85	3.5	9	5.5	type 2	99

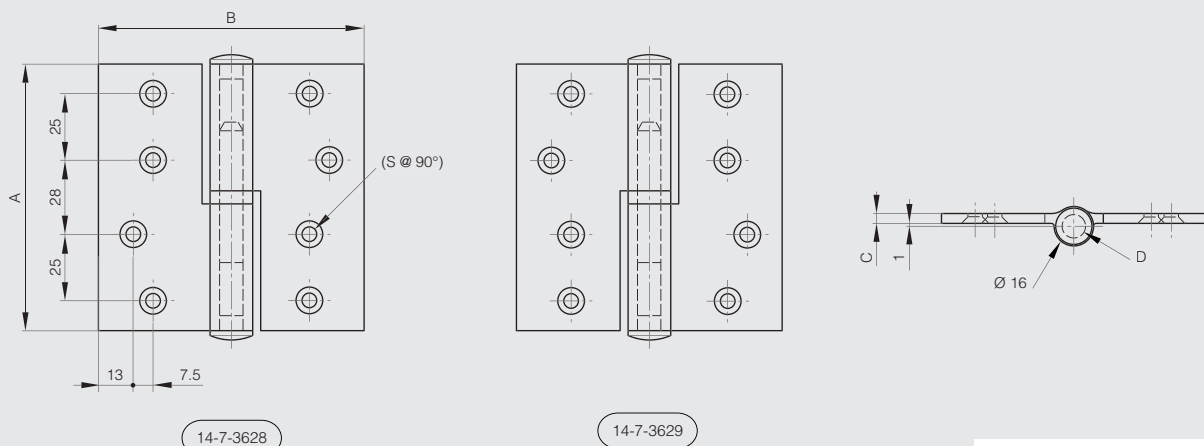


### Aluminium lift-off hinges 100 x 100 mm

Zinc plated steel pin.  
Nylon bushing.



Part number	Material	Finish	A	B	C	D	S	Note	Weight (g)
14-7-3628	aluminium	anodised silver	100	100	4	9	6	type 1	106
14-7-3629	aluminium	anodised silver	100	100	4	9	6	type 2	106





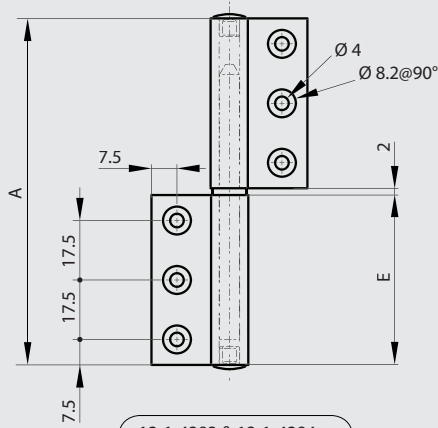
### Lift-off hinges in aluminium profile with a stainless steel pin



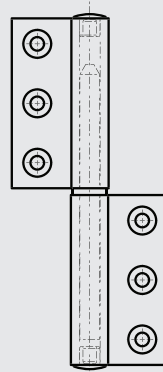
Stainless steel pin.

Supplied with polymer caps.

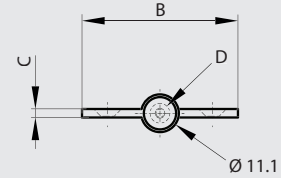
	Part number	Material	Finish	A	B	C	D	E	Note	Weight (g)
NEW	12-1-4283	6060 T5 alu	clear anodised	102	45.9	2.5	6.1	50	type 1	50
NEW	12-1-4286	6060 T5 alu	clear anodised	102	45.9	2.5	6.1	50	type 2	50
NEW	12-1-4284	6060 T5 alu	black anodised	102	45.9	2.5	6.1	50	type 1	50
NEW	12-1-4287	6060 T5 alu	black anodised	102	45.9	2.5	6.1	50	type 2	50



12-1-4283 & 12-1-4284



12-1-4286 & 12-1-4287



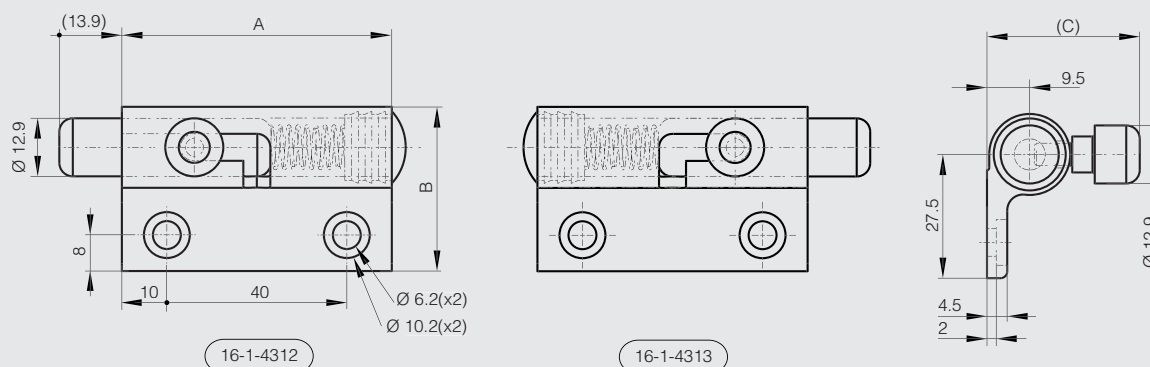
### Springloaded bolt with locking system in aluminium



ALU  RoHS

Stop when open.  
 Body: clear anodised aluminium.  
 Shaft and handle: raw aluminium.  
 Cap: PE, black.  
 Spring: stainless steel.

	Part number	Material	Finish	A	B	C	Note	Weight (g)
NEW	16-1-4312	6060 T5 alu	clear anodised	60	37	33.5	type 2	58
NEW	16-1-4313	6060 T5 alu	clear anodised	60	37	33.5	type 1	58



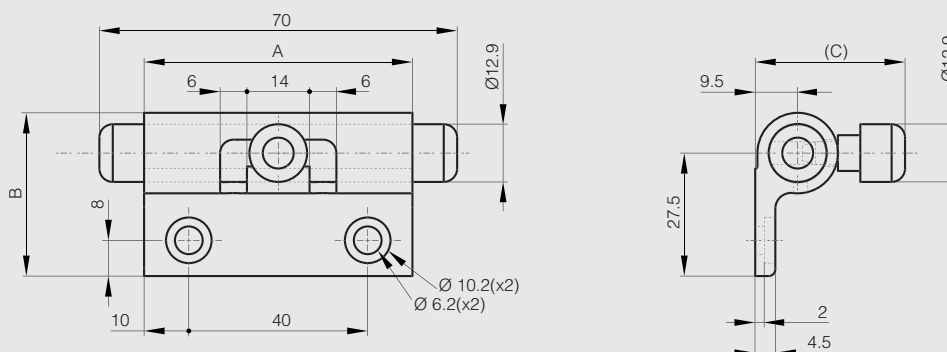
### Barrel bolt in aluminium



ALU  RoHS

Body: clear anodised aluminium.  
 Shaft and handle: raw aluminium.  
 No strike.

	Part number	Material	Finish	A	B	C	Weight (g)
NEW	16-1-4311	6060 T5 alu	clear anodised	60	36.5	34	65



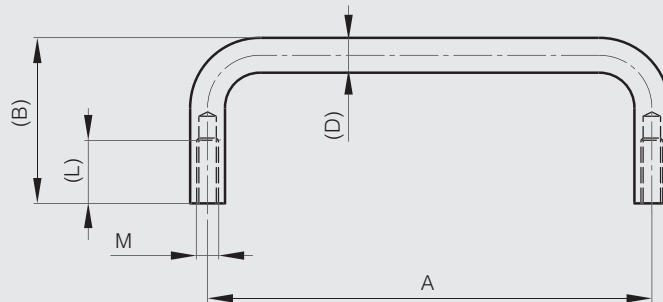




### Rear mounted grab handles 92 and 108 mm

ALU  RoHS

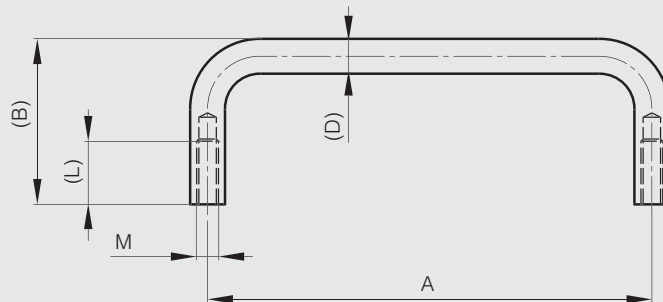
Part number	Material	Finish	A	B	D	L	M	Weight (g)
19-1-3425	aluminium	polished	92	32	10	10	5	26
19-1-3672	aluminium	polished	108	39	10	10	4	30



### Rear mounted grab handles 52 to 120 mm

ALU  RoHS

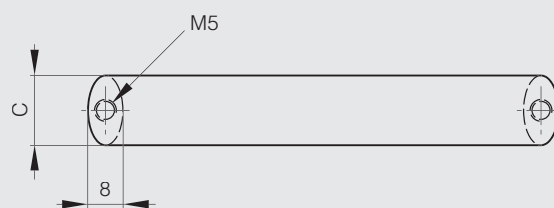
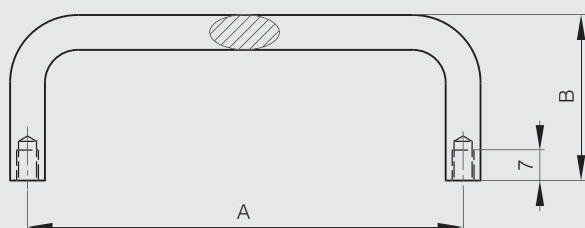
Part number	Material	Finish	A	B	D	L	M	Weight (g)
19-7-3683	aluminium	clear anodised	52	34	8	10	4	14
19-7-3684	aluminium	clear anodised	80	34	8	12	4	17
19-7-3685	aluminium	clear anodised	100	34	8	12	4	20
19-7-3686	aluminium	clear anodised	120	34	8	10	4	23
19-7-3409	aluminium	polished	100	30	7	8	4	14



### Black aluminium rear mounted grab handles 75 to 150 mm

ALU  RoHS

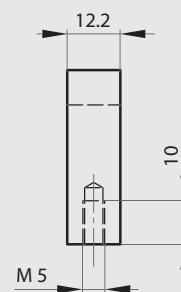
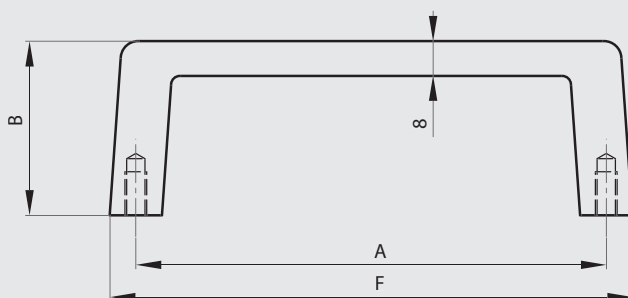
Part number	Material	Finish	A	B	C	Weight (g)
19-1-9001	aluminium	black painting	75	38	16	34
19-1-9002	aluminium	black painting	100	38	16	45
19-1-9003	aluminium	black painting	150	38	16	68



### Black aluminium rear mounted grab handles 88 to 120 mm

ALU  RoHS

Part number	Material	Finish	A	B	F	Weight (g)
19-7-3644	aluminium	matt black	88	40	102	50
19-7-3645	aluminium	matt black	120	40	134	60





## Flush handles

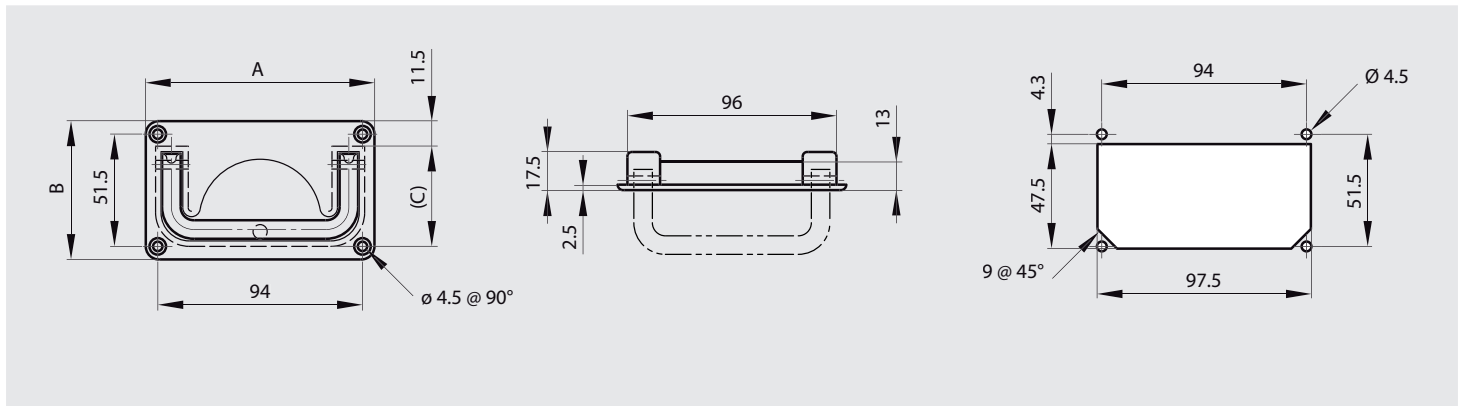
### Flush handles 105 x 63.5 mm

This handle has 2 detents at 0° and 90°.  
 Maximum load: 100 kg/pair.  
 Handle is chrome plated.  
 Delivered unassembled.  
 Assembled version: upon request.

ALU  RoHS



Part number	Material	Finish	A	B	C	Weight (g)
19-7-3605	aluminium	raw	105	63.5	46	123



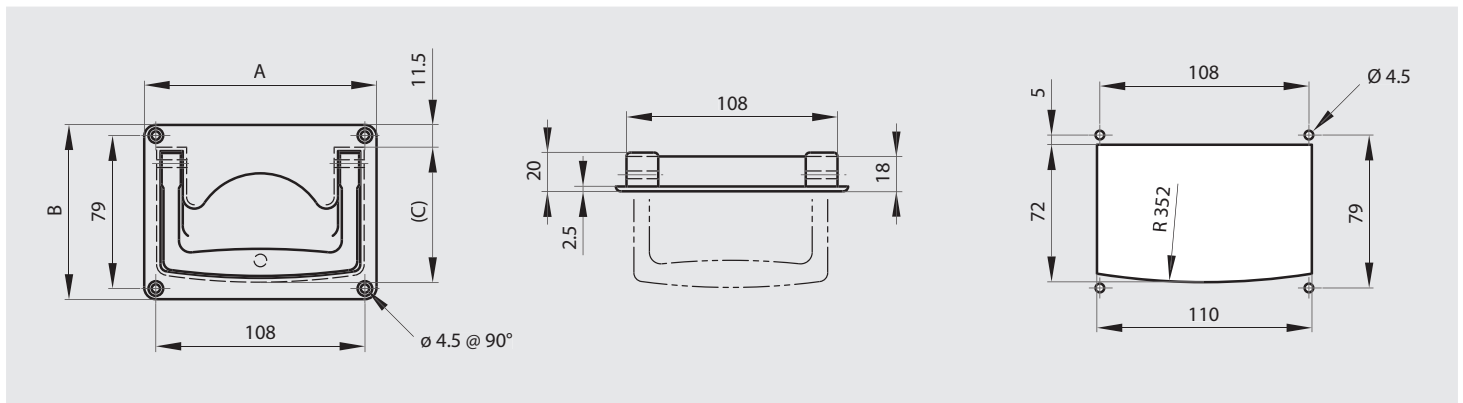
### Flush handle 120 x 91 mm

This handle has 2 detents at 0° and 90°.  
 Maximum load: 100 kg/pair.  
 Delivered unassembled.  
 Assembled version: upon request.

ALU  RoHS



Part number	Material	Finish	A	B	C	Weight (g)
19-7-3338	aluminium	raw	120	91	71.5	145



### Soft closing recessed hook

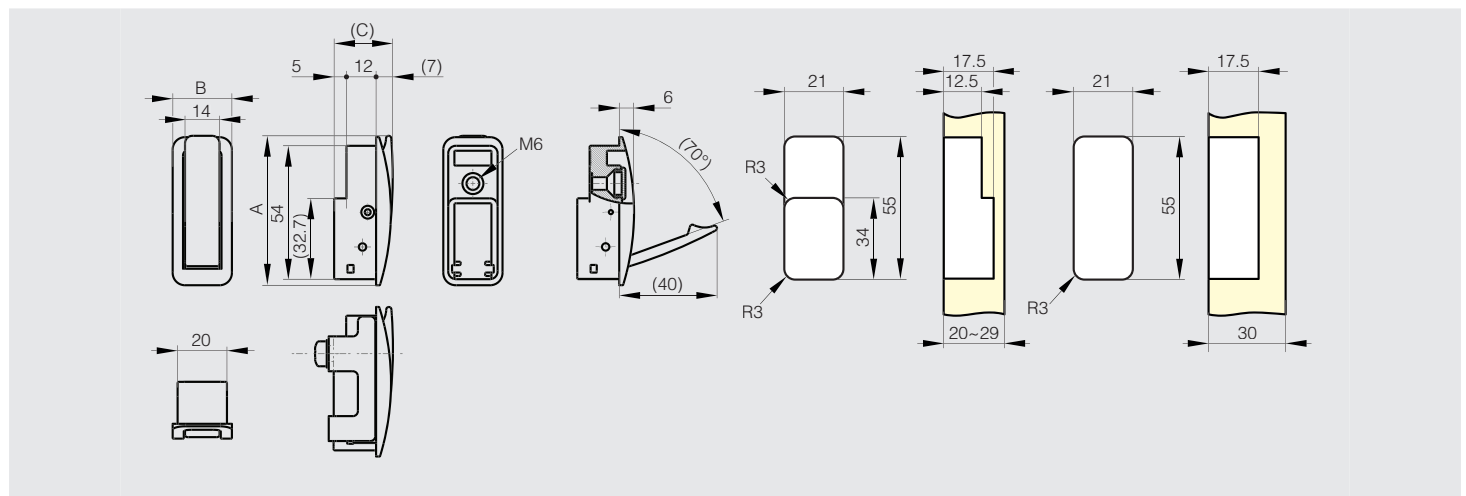


ALU  RoHS

Hook is spring loaded to retract with a soft closing mechanism.  
 Can be mounted on wood or sheet metal.  
 Installation on sheet metal: use bracket 22-7-3551.  
 Installation on wooden panel: please take off the cushion rubber.  
 Panel Thickness:  
 Wood: Min. 20 mm.  
 Sheet Metal: 0.8 to 4.0 mm.  
 Load capacity: 300 N max.  
 Material: aluminium, POM, pin in stainless steel.



	Part number	Material	Finish	A	B	C	Weight (g)
<b>NEW</b>	<b>22-7-3549</b>	aluminium	dark grey	60	24	24	49
<b>NEW</b>	<b>22-7-3550</b>	aluminium	silver	60	24	24	49



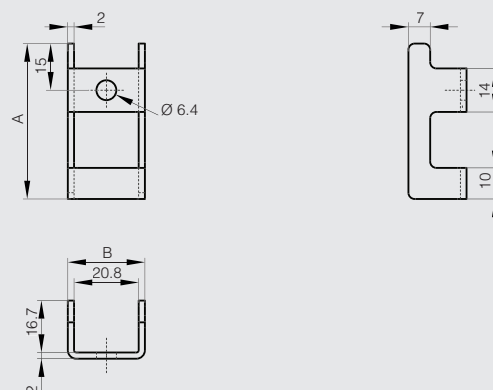
### Bracket for soft closing recessed hook



STEEL  RoHS

For sheet metal application. Panel thickness from 0.8 to 4.0 mm.  
 Supplied with one M6x20 stainless steel screw.

	Part number	Material	Finish	A	B	Weight (g)
<b>NEW</b>	<b>22-7-3551</b>	steel	zinc chromate plated	50	24.8	25





## Recessed hooks

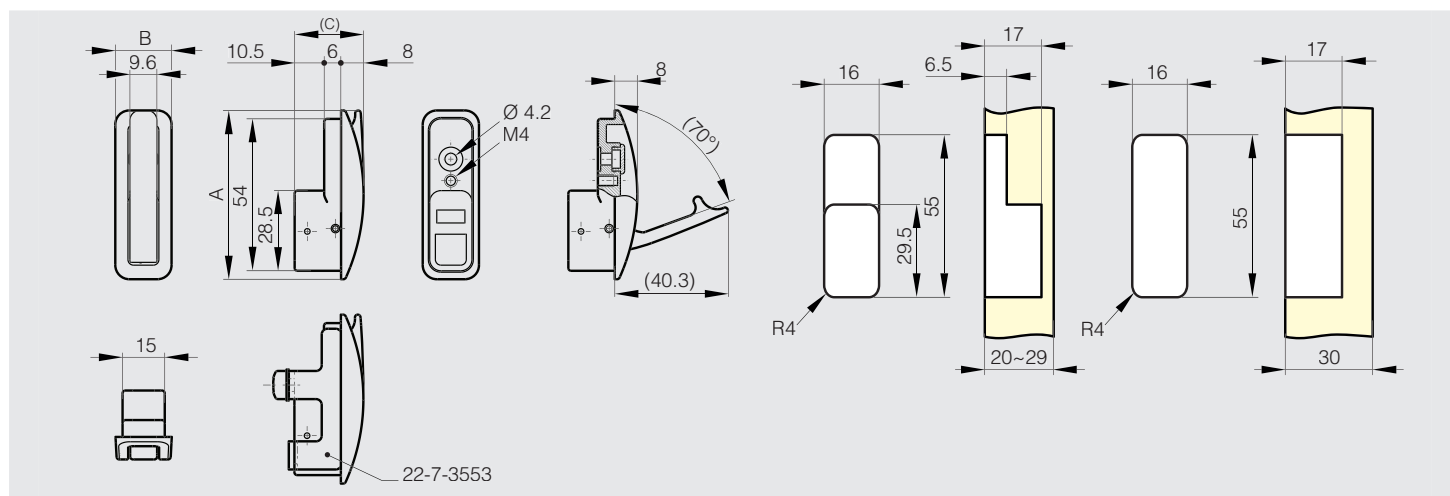
### Spring loaded recessed hook



Hook is spring loaded to retract.  
 Can be mounted on wood or sheet metal.  
 Installation on sheet metal: use bracket 22-7-3553.  
 Installation on wooden panel: please take off the cushion rubber.  
 Panel Thickness:  
 Wood: Min. 20 mm.  
 Sheet Metal: 0.8 to 1.6 mm.  
 Load capacity: 200 N max.  
 Material: aluminium, pin in stainless steel.



	Part number	Material	Finish	A	B	C	Weight (g)
<b>NEW</b>	<b>22-7-3552</b>	aluminium	dark grey	60	20	24.5	31



### Bracket for spring loaded recessed hook



For sheet metal application. Panel thickness from 0.8 to 1.6 mm.  
 Supplied with one M4x14 stainless steel screw.

	Part number	Material	Finish	A	B	Weight (g)
<b>NEW</b>	<b>22-7-3553</b>	steel	zinc chromate plated	50	19.8	22

