

# Hinges with dual function

## Spring hinges - aluminium profile

### 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

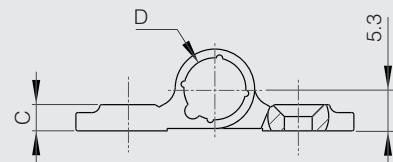
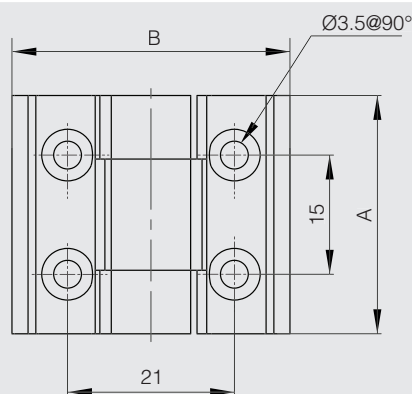
Closing spring force:

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

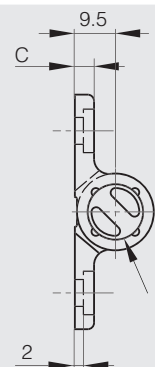
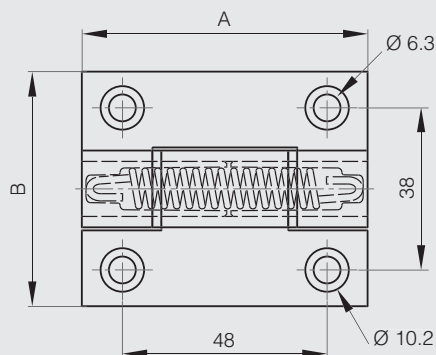
Closing spring force:

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



# Hinges with dual function

## Spring hinges - aluminium profile

### 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

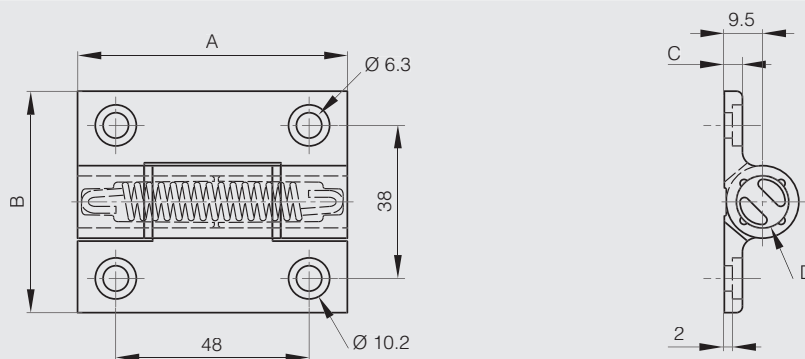
Closing spring force:

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



# Hinges with dual function

## Spring hinges - aluminium profile

### 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

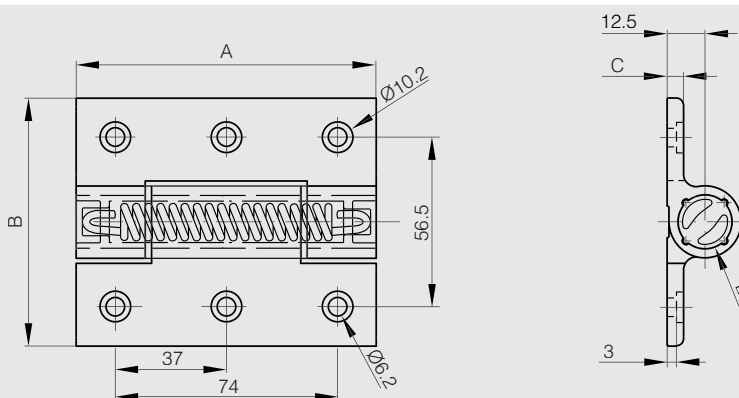
Closing spring force:

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	18	opening spring	183
72-1-4232	6082 T5 alu	black anodised	100	82.5	5.5	18	opening spring	183
72-1-4258	6082 T5 alu	clear anodised	100	82.5	5.5	18	closing spring	183
72-1-4259	6082 T5 alu	black anodised	100	82.5	5.5	18	closing spring	183



# Hinges with dual function

## Rolled knuckle spring hinges

### Opening spring hinges 120 mm long



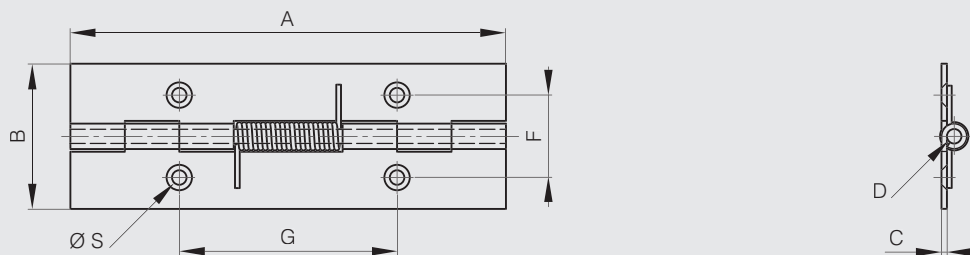
Opening spring force:

M(0°): 0.85 N.m / M(90°): 0.56 N.m / M(180°): 0.28 N.m

Stainless steel spring.



Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3799	steel	raw	120	40	1.5	4				undrilled	82
71-1-3805	steel	zinc plated	120	40	1.5	4	22.7	60	4	drilled	82
<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
71-1-3787	304 stainless steel	raw	120	40	1.5	4				undrilled	82
71-1-3793	304 stainless steel	raw	120	40	1.5	4	22.7	60	4	drilled	82



### Closing spring hinges 120 mm long



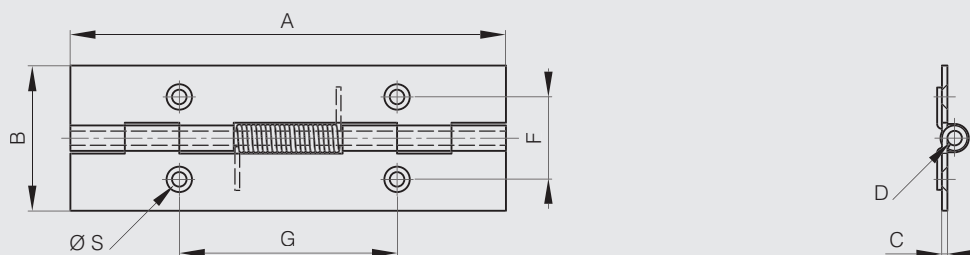
Closing spring force:

M(0°): 0.28 N.m / M(90°): 0.56 N.m / M(180°): 0.85 N.m

Stainless steel spring.



Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3802	steel	raw	120	40	1.5	4				undrilled	82
71-1-3808	steel	zinc plated	120	40	1.5	4	22.7	60	4	drilled	82
<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
71-1-3790	304 stainless steel	raw	120	40	1.5	4				undrilled	82
71-1-3796	304 stainless steel	raw	120	40	1.5	4	22.7	60	4	drilled	82



# Hinges with dual function

## Rolled knuckle spring hinges

### Opening spring hinges 180 mm long

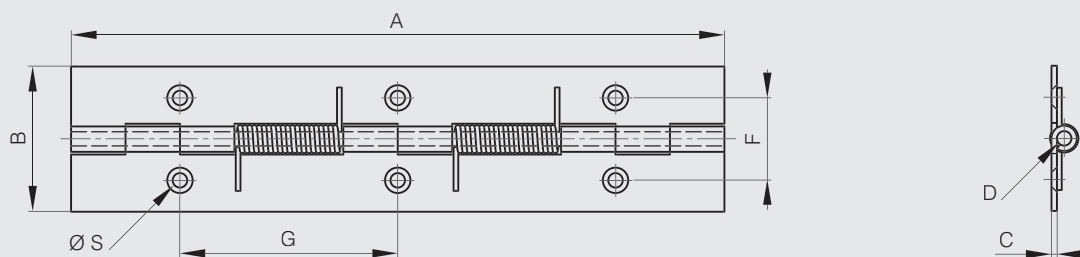
Opening spring force:

$M(0^\circ)$ : 1.7 N.m /  $M(90^\circ)$ : 1.1 N.m /  $M(180^\circ)$ : 0.56 N.m



Stainless steel spring.

Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3800	steel	raw	180	40	1.5	4				undrilled	124
71-1-3806	steel	zinc plated	180	40	1.5	4	22.7	60	4	drilled	124
71-1-3788	304 stainless steel	raw	180	40	1.5	4				undrilled	124
71-1-3794	304 stainless steel	raw	180	40	1.5	4	22.7	60	4	drilled	124



### Closing spring hinges 180 mm long

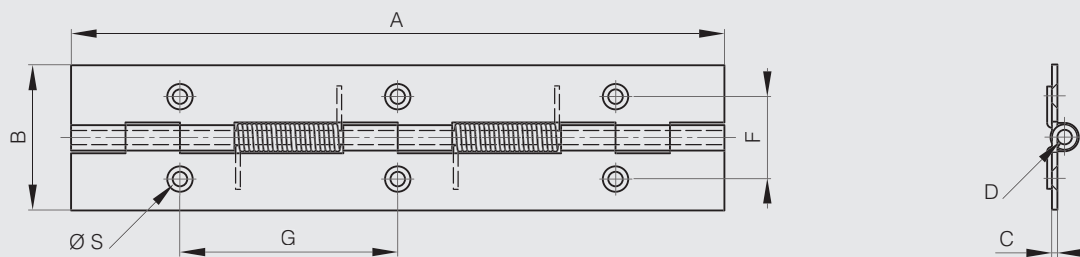
Closing spring force:

$M(0^\circ)$ : 0.56 N.m /  $M(90^\circ)$ : 1.1 N.m /  $M(180^\circ)$ : 1.7 N.m



Stainless steel spring.

Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3803	steel	raw	180	40	1.5	4				undrilled	124
71-1-3809	steel	zinc plated	180	40	1.5	4	22.7	60	4	drilled	124
71-1-3791	304 stainless steel	raw	180	40	1.5	4				undrilled	124
71-1-3797	304 stainless steel	raw	180	40	1.5	4	22.7	60	4	drilled	124



# Hinges with dual function

## Rolled knuckle spring hinges

### Opening spring hinges 240 mm long

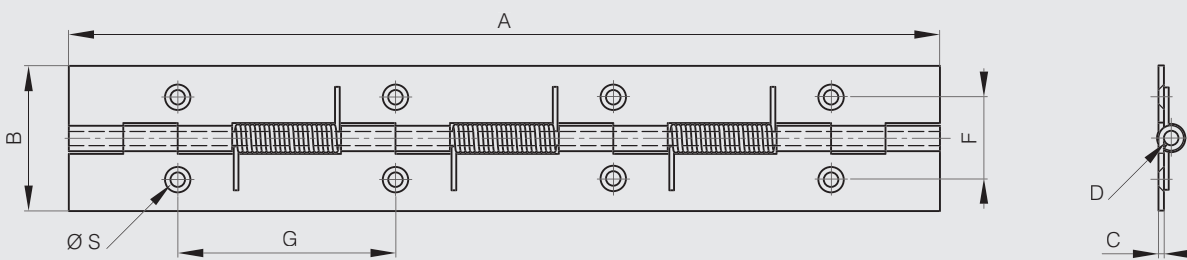
Opening spring force:

$M(0^\circ)$ : 2.55 N.m /  $M(90^\circ)$ : 1.68 N.m /  $M(180^\circ)$ : 0.84 N.m



Stainless steel spring.

Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3801	steel	raw	240	40	1.5	4				undrilled	164
71-1-3807	steel	zinc plated	240	40	1.5	4	22.7	60	4	drilled	164
71-1-3789	304 stainless steel	raw	240	40	1.5	4				undrilled	164
71-1-3795	304 stainless steel	raw	240	40	1.5	4	22.7	60	4	drilled	164



### Closing spring hinges 240 mm long

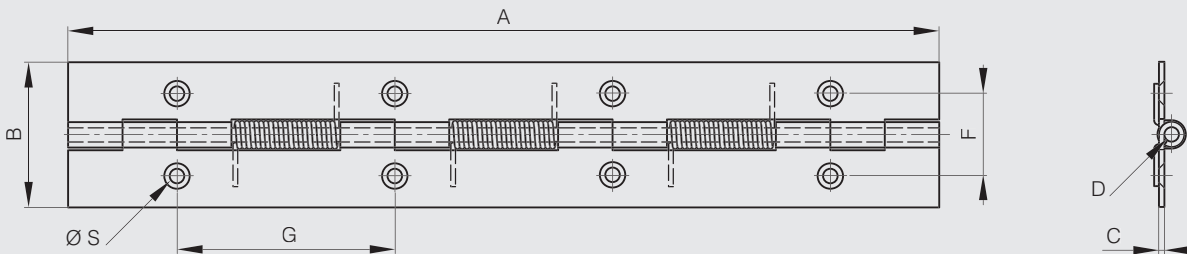
Closing spring force:

$M(0^\circ)$ : 0.84 N.m /  $M(90^\circ)$ : 1.68 N.m /  $M(180^\circ)$ : 2.55 N.m



Stainless steel spring.

Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3804	steel	raw	240	40	1.5	4				undrilled	164
71-1-3810	steel	zinc plated	240	40	1.5	4	22.7	60	4	drilled	164
71-1-3792	304 stainless steel	raw	240	40	1.5	4				undrilled	164
71-1-3798	304 stainless steel	raw	240	40	1.5	4	22.7	60	4	drilled	164



# Hinges with dual function

## Rolled knuckle spring hinges

### Spring hinges 50 mm long



Opening spring force:

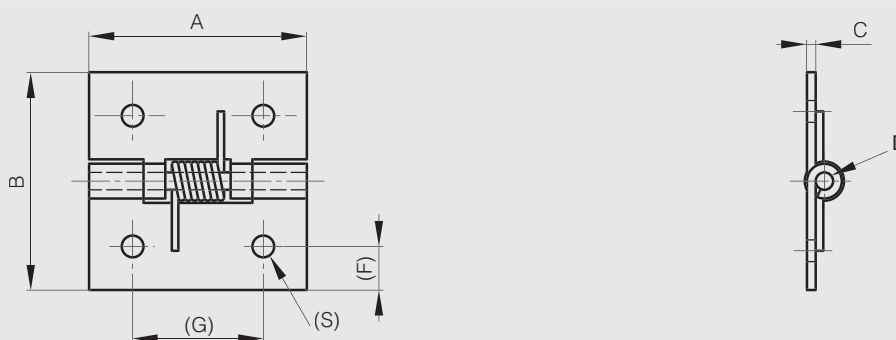
M(0°): 1.5 N.m / M(90°): 1.1 N.m / M(180°): 0.65 N.m

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)
71-1-3519	steel	zinc plated	50	50	2	4	9	30	5	stainless steel opening spring	50
71-1-3619	steel	zinc plated	50	50	2	4	9	30	5	stainless steel closing spring	50
<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
71-1-3553	304 stainless steel	raw	50	50	2	4	10	30	5	stainless steel opening spring	50
71-1-3586	304 stainless steel	raw	50	50	2	4	10	30	5	stainless steel closing spring	50



### Spring hinges 60 mm long - with 2 holes



Opening spring force:

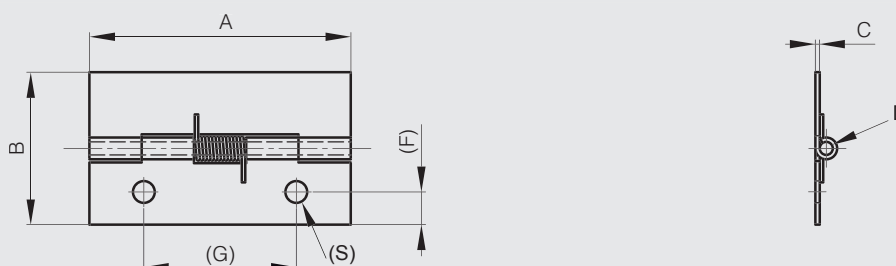
M(0°): 0.09 N.m / M(90°): 0.07 N.m / M(180°): 0.045 N.m

Closing spring force:

M(0°): 0.045 N.m / M(90°): 0.07 N.m / M(180°): 0.09 N.m



Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3306	steel	raw	60	35	1	3	7.5	35	5	steel opening spring	22
71-1-3579	steel	raw	60	35	1	3	7.5	35	5	stainless steel opening spring	22
71-1-3617	steel	raw	60	35	1	3	7.5	35	5	stainless steel closing spring	22



# Hinges with dual function

## Rolled knuckle spring hinges

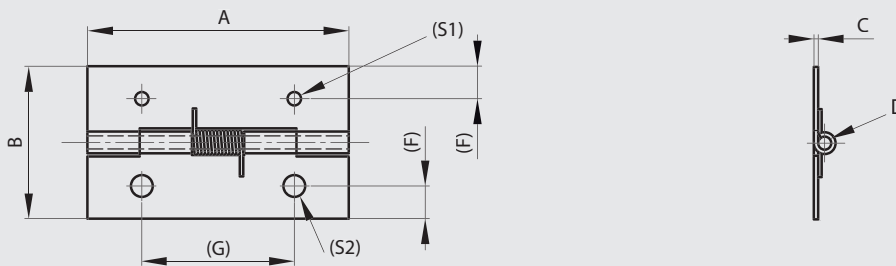
### Spring hinge 60 mm long - with 4 holes

Opening spring force:

M(0°): 0.11 N.m / M(90°): 0.09 N.m / M(180°): 0.07 N.m



Part number	Material	Finish	A	B	C	D	F	G	S1	S2	Note	Weight (g)
71-1-3560	430 stainless steel	raw	60	35	1	3	7.5	35	3.1	5	stainless steel opening spring	22



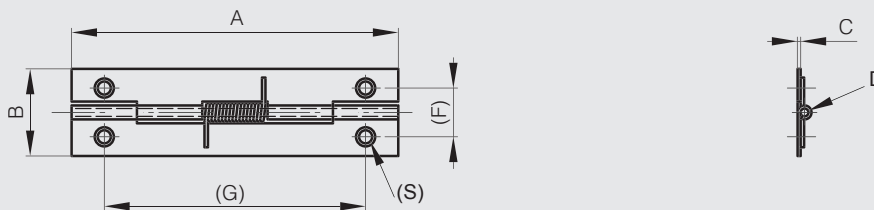
### Spring hinges 75 mm long - drilled

Opening spring force:

M(0°): 0.12 N.m / M(90°): 0.09 N.m / M(180°): 0.06 N.m



Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
71-1-3305	steel	raw	75	20	0.8	2	11.2	60	2.8	stainless steel opening spring	11.5
71-1-3582	304 stainless steel	raw	75	20	0.8	2	11.2	60	2.8	stainless steel opening spring	11.5





# Hinges with dual function

## Rolled knuckle spring hinges

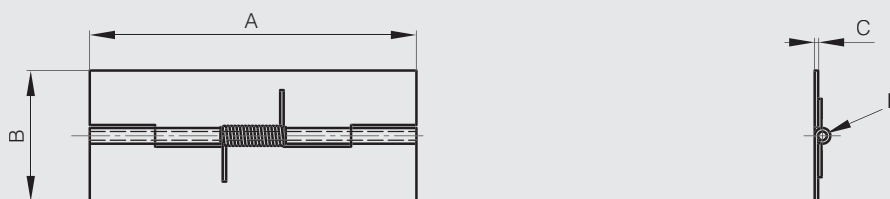
### Spring hinges 75 mm long - undrilled

Opening spring force:

M(0°): 0.12 N.m / M(90°): 0.095 N.m / M(180°): 0.07 N.m



Part number	Material	Finish	A	B	C	D	Note	Weight (g)
71-1-3309	steel	raw	75	30	0.8	2	stainless steel opening spring	17
71-1-3583	304 stainless steel	raw	75	30	0.8	2	stainless steel opening spring	17



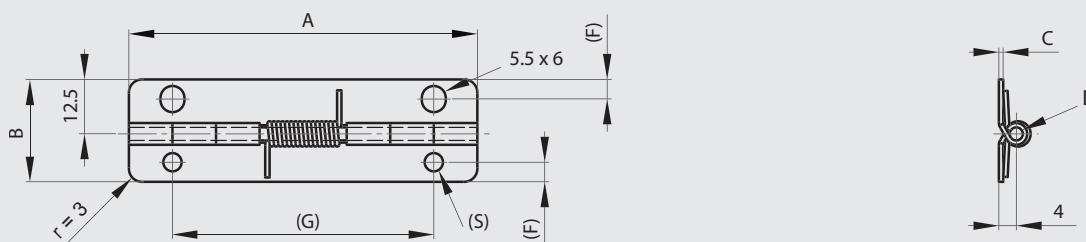
### Spring hinges 80 mm long

Opening spring force:

M(0°): 0.17 N.m / M(90°): 0.12 N.m / M(180°): 0.065 N.m



Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight
71-1-3578	304 stainless steel	raw	80	23.5	1	3	4.5	60	4	stainless steel opening spring	24.5
71-1-3304	430 stainless steel	raw	80	23.5	1	3	4.5	60	4	stainless steel opening spring	24.5



# Hinges with dual function

## Rolled knuckle spring hinges

### Opening spring hinge 105 mm long



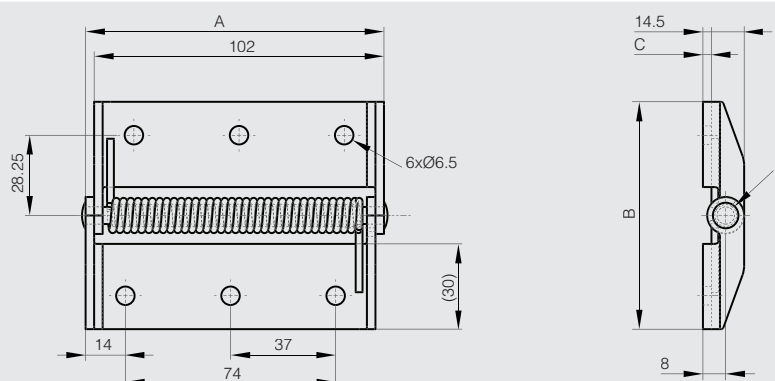
Opening spring force:

M(0°): 1.2 N.m / M(90°): 1.7 N.m / M(180°): 2.2 N.m

Pin in 304 stainless steel. Spring in Bezinal steel.



	Part number	Material	Finish	A	B	C	D	Weight (g)
<b>NEW</b>	<b>71-1-3851</b>	steel	zinc plated	105	80	3	6	150



### Spring hinges 160 mm long



Opening spring force for part numbers 71-1-3580 and 71-1-3581:

M(0°): 0.9 N.m / M(90°): 0.86 N.m / M(180°): 0.6 N.m

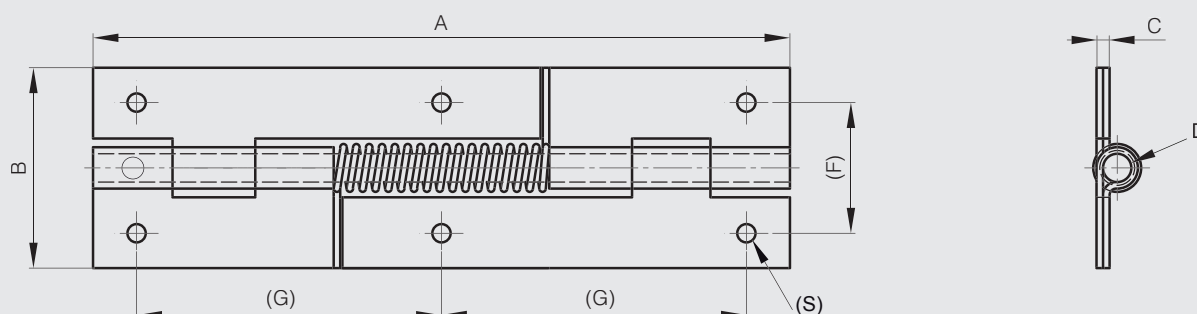
Closing spring force for part numbers 71-1-3618 and 71-1-3835:

M(0°): 0.12 N.m / M(90°): 0.44 N.m / M(180°): 0.55 N.m

Punched pin.



Part number	Material	Finish	A	B	C	D	F	G	S	Note	Weight (g)
<b>71-1-3580</b>	steel	raw	160	46	3	6.5	30	70	4.2	stainless steel opening spring	208
<b>71-1-3618</b>	steel	raw	160	46	3	6.5	30	70	4.2	stainless steel closing spring	208
<b>71-1-3581</b>	304 stainless steel	raw	160	46	3	6.5	30	70	4.2	stainless steel opening spring	208
<b>71-1-3835</b>	304 stainless steel	raw	160	46	3	6.5	30	70	4.2	stainless steel closing spring	208





# Hinges with dual function

## Rolled knuckle spring hinges

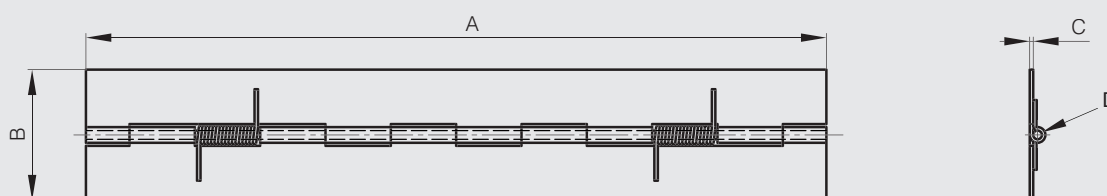
### Spring hinges 170 mm long

Opening spring force:

M(0°): 0.24 N.m / M(90°): 0.19 N.m / M(180°): 0.14 N.m



Part number	Material	Finish	A	B	C	D	Note	Weight (g)
71-1-3303	steel	raw	170	30	0.8	2	stainless steel opening spring	41
71-1-3522	304 stainless steel	raw	170	30	0.8	2	stainless steel opening spring	41



# Hinges with dual function

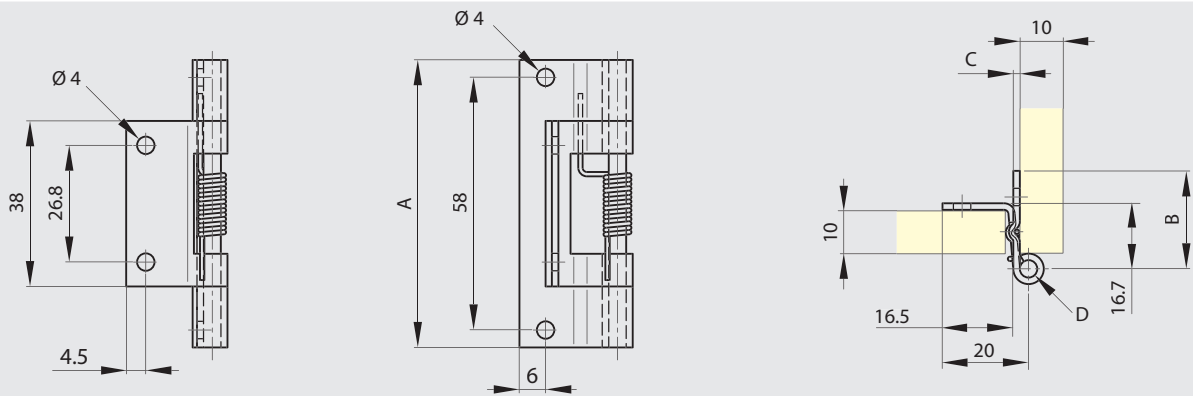
## Cranked spring hinges

### Cranked spring hinge 66 mm long

A full product data sheet is available on our website.



Part number	Material	Finish	A	B	C	D	Note	Weight (g)
71-1-3649	316 stainless steel	brightened	66	22.5	1.5	4	closing spring	38

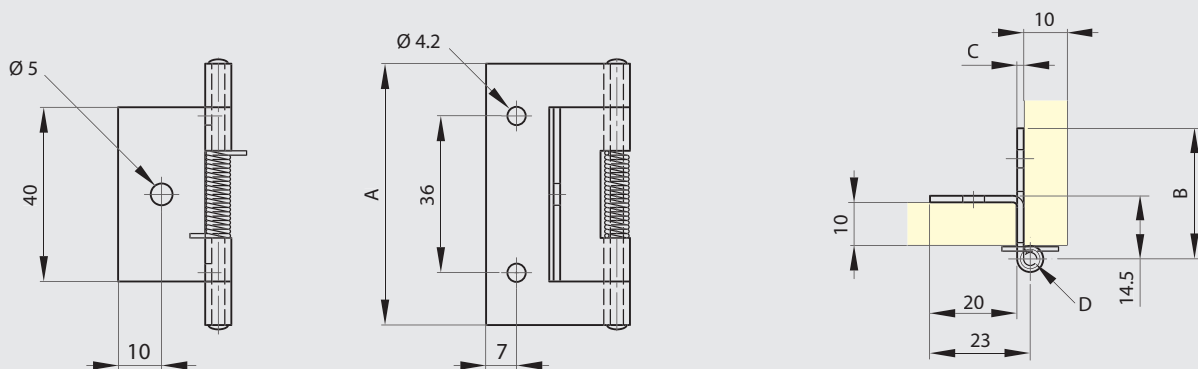


### Cranked spring hinge 60 mm long

A full product data sheet is available on our website.



Part number	Material	Finish	A	B	C	D	Note	Weight (g)
71-1-3622	316 stainless steel	raw	60	30	1.5	3	closing spring	40



# Hinges with dual function

## Spring loaded lift-off hinges

### Spring loaded lift-off hinges for doors

Hinges with integrated spring system, sold in pairs.

Brass washer.

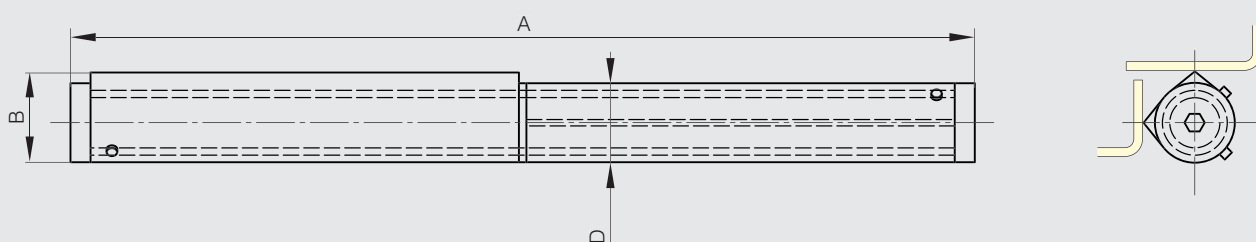
Shuts door automatically.

Resistance of the spring: 500 000 cycles. Adjustable spring system.

Opening angle 180°.



Part number	Material	Finish	A	B	D	Weight (g)
14-7-3745	steel	raw	250	25	22	592



# Hinges with dual function

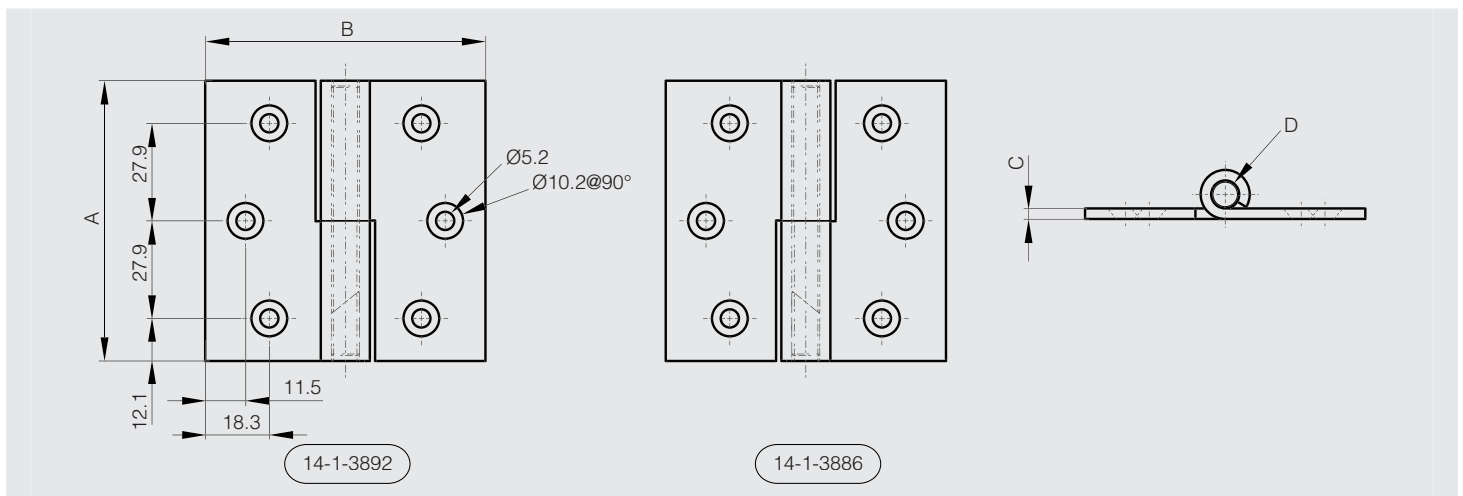
## Lift-off rising hinges

### Lift-off rising hinge in stainless steel

Ramp integrated in the pin allows automatic closing by gravity.



	Part number	Material	Finish	A	B	C	D	Note	Weight (g)
<b>NEW</b>	<b>14-1-3886</b>	304 stainless steel	brushed	80	80	3	8	type 2	216
<b>NEW</b>	<b>14-1-3892</b>	304 stainless steel	brushed	80	80	3	8	type 1	216



# Hinges with dual function

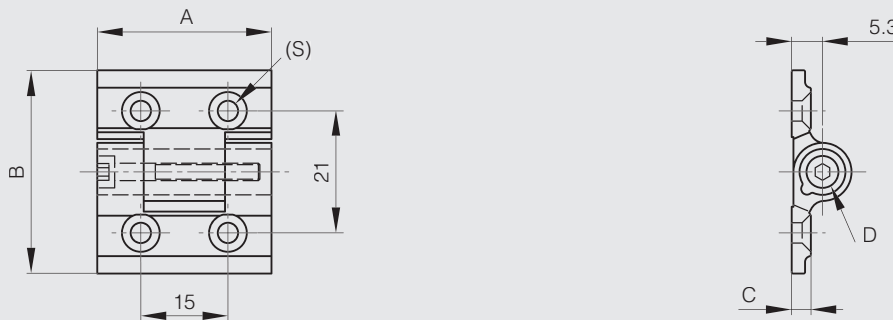
## Friction hinges

### 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

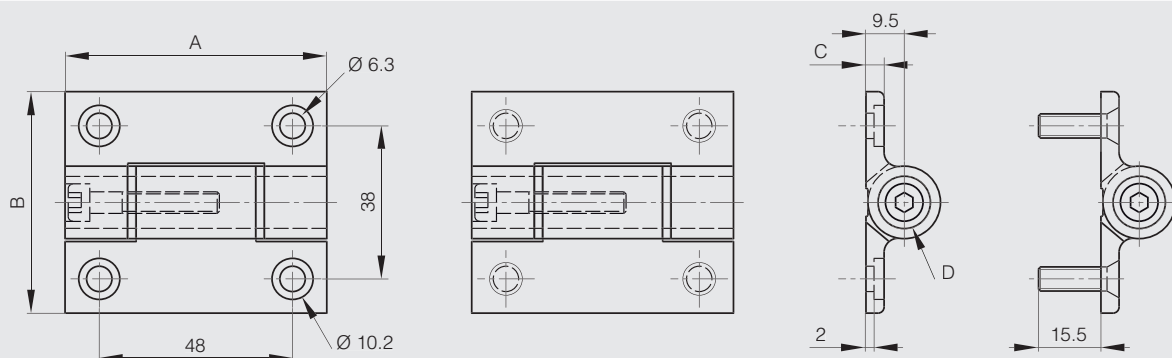


### Large friction hinges - adjustable

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
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



# Hinges with dual function

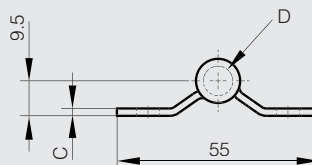
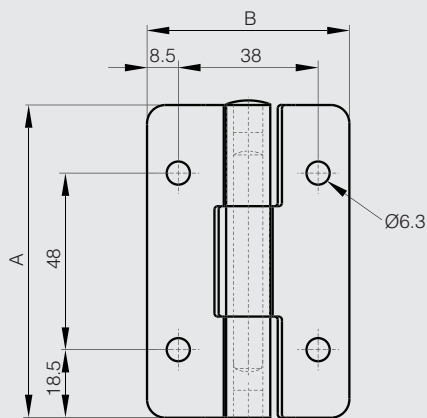
## Friction hinges

### Friction hinge in stainless steel - friction torque 3 N.m



Constant torque. Stable at various temperatures.  
Pin in steel.

	Part number	Material	Finish	A	B	C	D	Torque	Note	Weight (g)
NEW	62-1-3710	301 stainless steel	raw	85	55	2	8	3 N.m	with friction	120
NEW	62-1-3711	301 stainless steel	raw	85	55	2	8		no torque	120

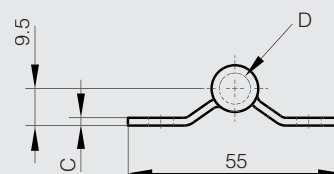
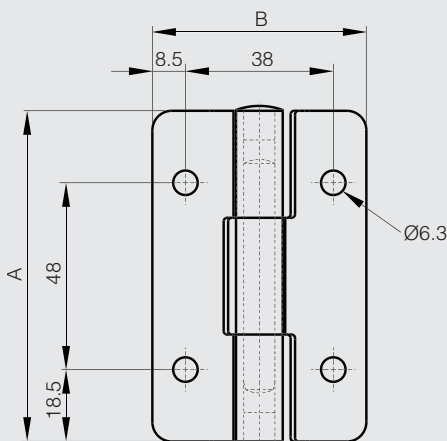


### Friction hinge in stainless steel - friction torque 5 N.m



Constant torque. Stable at various temperatures.  
Pin in steel.

	Part number	Material	Finish	A	B	C	D	Torque	Note	Weight (g)
NEW	62-1-3712	301 stainless steel	raw	85	55	2	12	5 N.m	with torque	155
NEW	62-1-3713	301 stainless steel	raw	85	55	2	12		no torque	155



**FIXOR<sub>SL</sub>**

Calle del Dr. Mata num 5, 08203 Sabadell  
Tel 93 710 41 60, [tecnica@fixor.es](mailto:tecnica@fixor.es)  
[www.fixor.es](http://www.fixor.es)



# Hinges with dual function

## Friction hinges

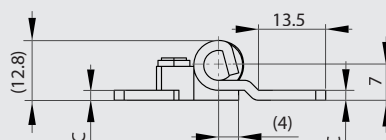
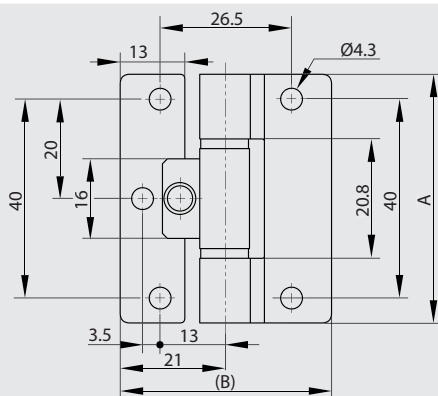
### Stainless steel friction hinge - friction torque 1.9 N.m

Hinge with friction torque holds lid / door in desired position.

Operating temperature: -20°C / +60°C.



Part number	Material	Finish	A	B	C	Torque	Weight (g)
52-7-4048	304 stainless steel	polished	50	42.5	2	1.9 N.m	51



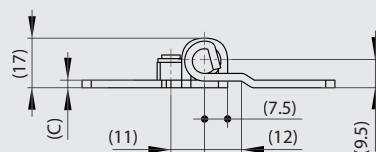
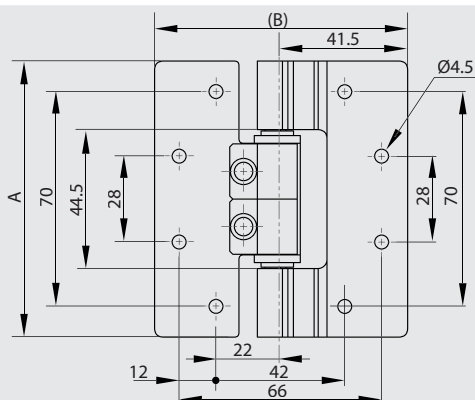
### Stainless steel friction hinge - friction torque 5.8 N.m

Hinge with friction torque holds lid / door in desired position.

Operating temperature: -20°C / +60°C.



Part number	Material	Finish	A	B	C	Torque	Weight (g)
52-7-4049	304 stainless steel	polished	90	82.5	2.5	5.8 N.m	195



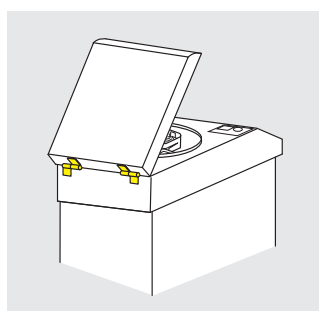
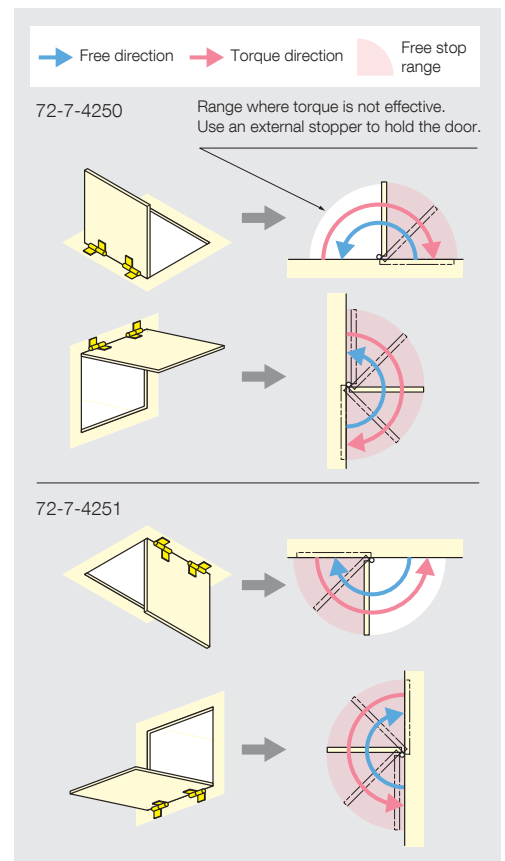
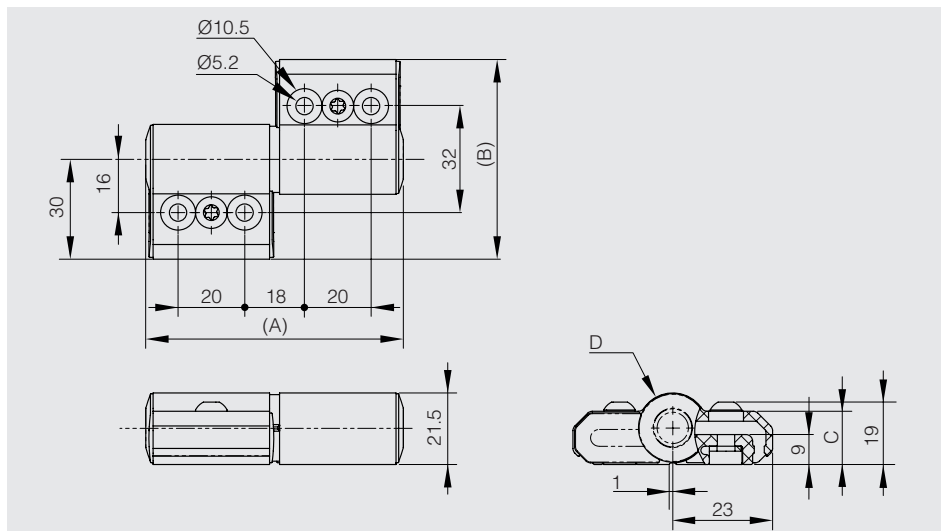
### One way torque hinge - constant torque 9 N.m / set



- 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

# Hinges with dual function

## Friction hinges

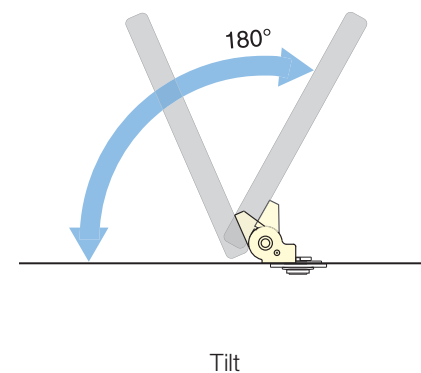
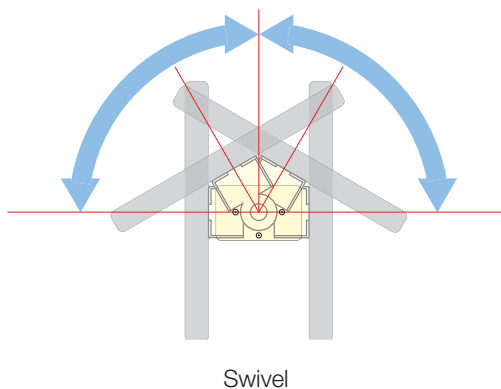
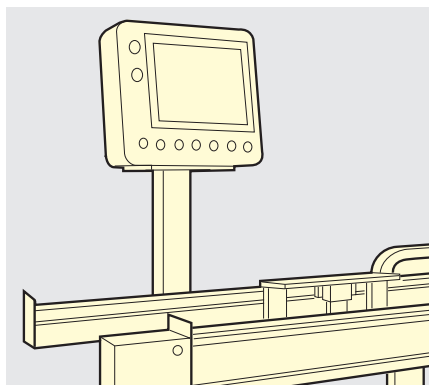
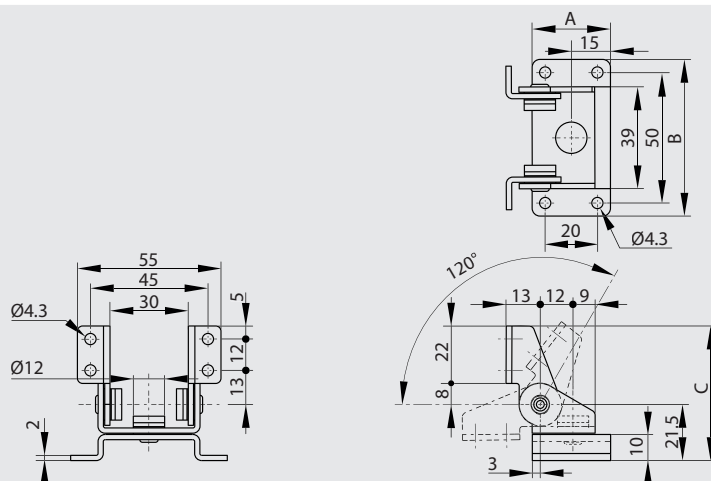
### Dual axis torque hinge - 30 x 60 mm



- Dual axis: free stop at any angle in tilt & swivel.
- Provide torque stability in both directions.
- Torque per piece (tilting): 2.9 N.m.
- Torque per piece (swiveling): 1.4 N.m.
- Suitable for monitor screens.
- Rotation upon axis X can occur from 0° to 180°.
- Rotation upon axis Z can occur up to 360°.



Part number	Material	Finish	A	B	C	Torque	Weight (g)
70-7-3622	430 stainless steel	polished	30	60	51.5	2.9 N.m (axis X) 1.4 N.m (axis Z)	92



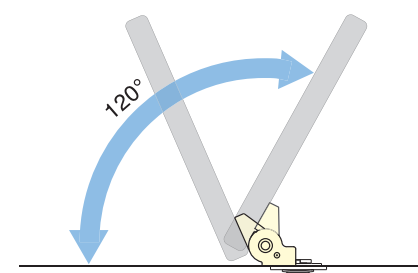
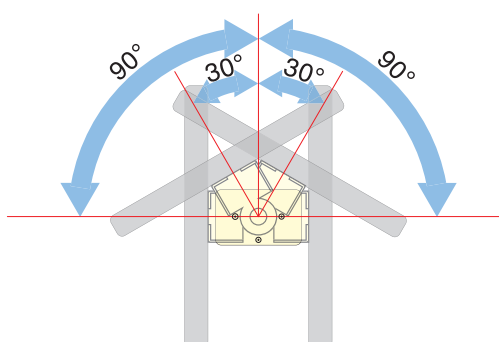
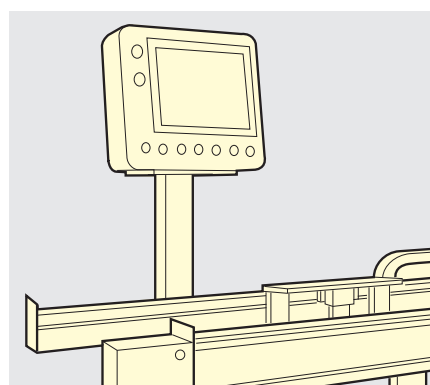
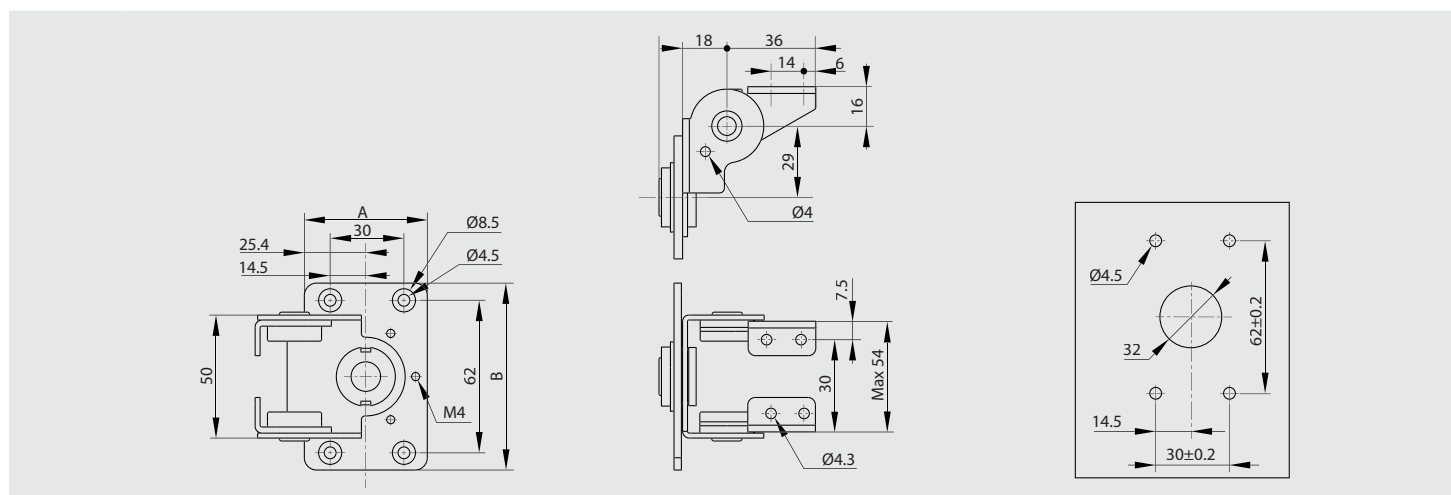
### Dual axis torque hinge - 50 x 76 mm



- Dual axis: free stop at any angle in tilt & swivel.
- Provide torque stability in both directions.
- Torque per piece (tilting): 7 N.m.
- Torque per piece (swiveling) 3 N.m.
- Suitable for monitor screens.
- Rotation upon axis X is free but can be blocked from 0° to 120° with an additional pin.
- Rotation upon axis Z is free but can be blocked at 30° or 90° with additional pins (various holes in the fixing plate).
- Electric cables can go through a hole in the middle of the fixing plate.



Part number	Material	Finish	A	B	Torque	Weight (g)
70-7-3621	430 stainless steel	polished	50	76	7 N.m (axis X) 3 N.m (axis Z)	232





# Hinges with dual function

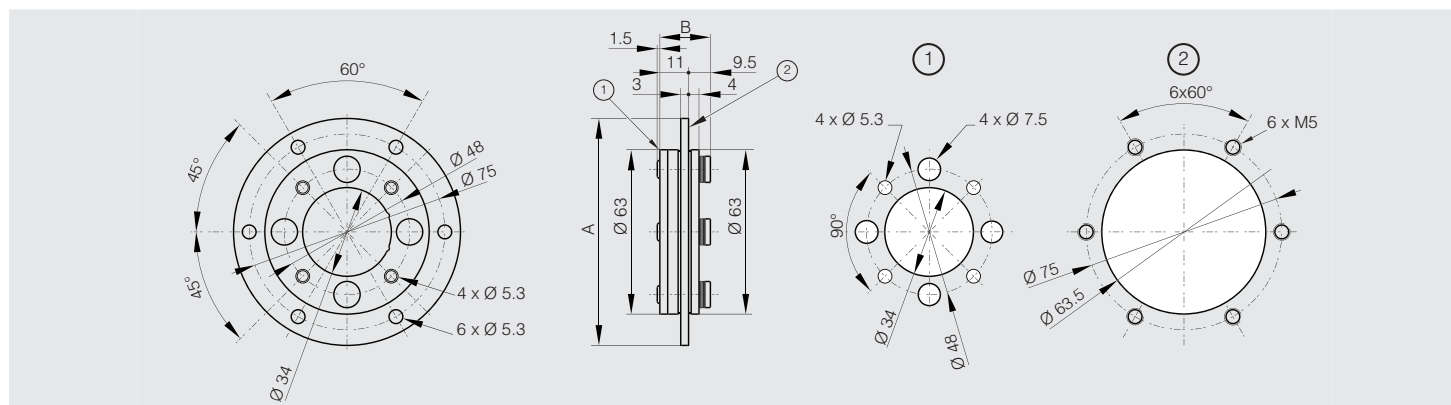
## Friction hinges

### Swivel torque hinge with hole diameter 34 mm - torque 7 N.m



Rotation angle: 360°.  
Friction torque: 7 N.m.  
Center hole for easy cable management.  
For indoor applications (industrial control panels and monitors).

	Part number	Material	Finish	A	B	Torque	Weight (g)
<b>NEW</b>	<b>70-7-3638</b>	430 stainless steel	polished	87	20.5	7 N.m	282

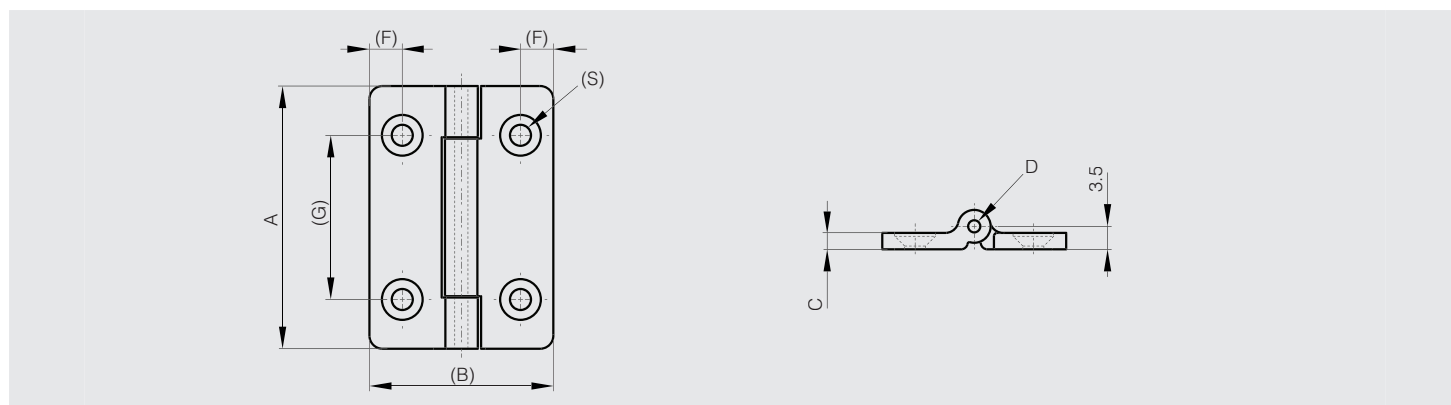


### Mini torque hinges - torque 0.25 N.m



Passed 20,000 open/close test.  
Pin in 304 stainless steel.

	Part number	Material	Finish	A	B	C	D	F	G	S	Torque	Weight (g)
<b>NEW</b>	<b>54-7-3547</b>	POM	black	40	28	2.5	2	5	25	3.2	0.25 N.m	5
<b>NEW</b>	<b>54-7-3548</b>	POM	white	40	28	2.5	2	5	25	3.2	0.25 N.m	5



# Hinges with dual function

## Detent hinges

### Hi-Klik™ detent hinges - small

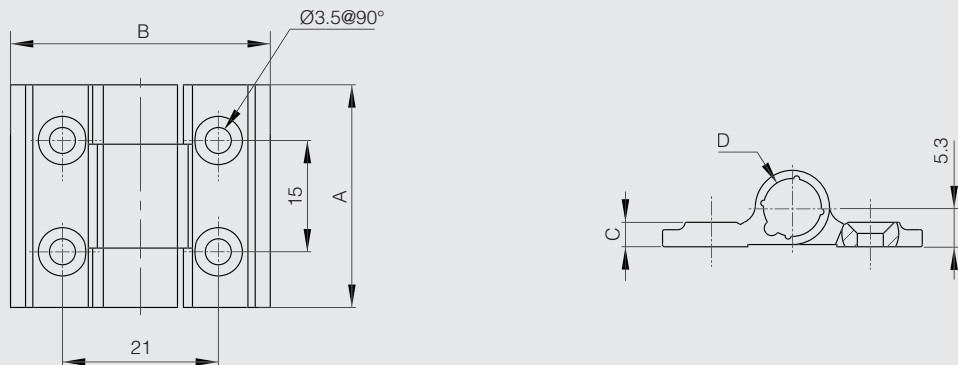
Indented every 30°.

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.

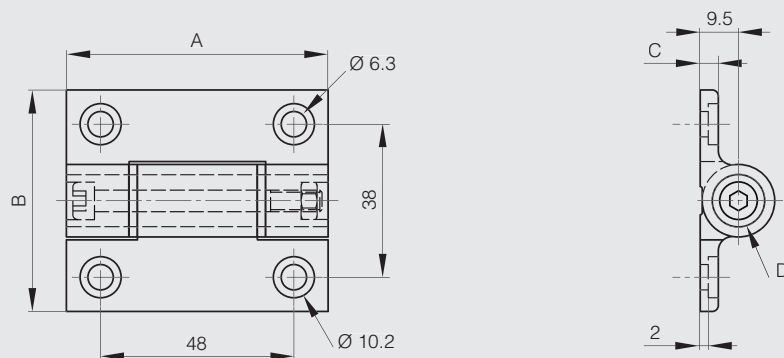
Torque is preset.

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



# Hinges with dual function

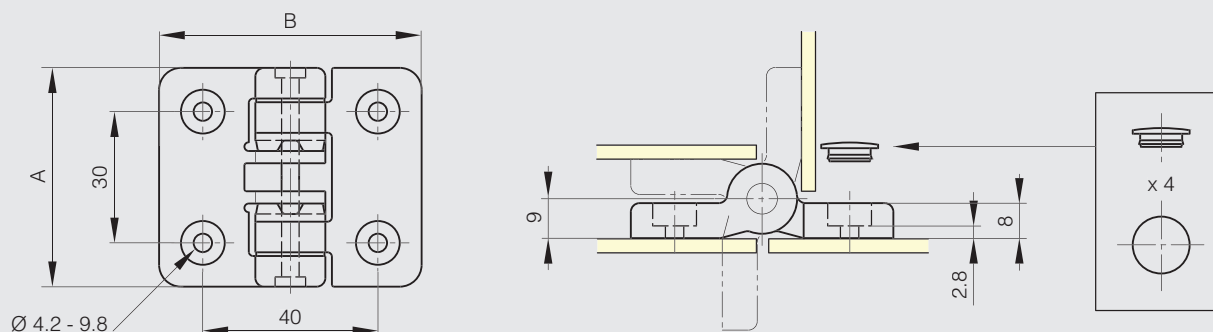
## Detent hinges

### Detent plastic hinges

Holds door leaves in 4 different positions (90° each).  
 Maximum door weight: 1.2 kg/pair.  
 303 stainless steel pin.  
 A full product data sheet is available on our website.



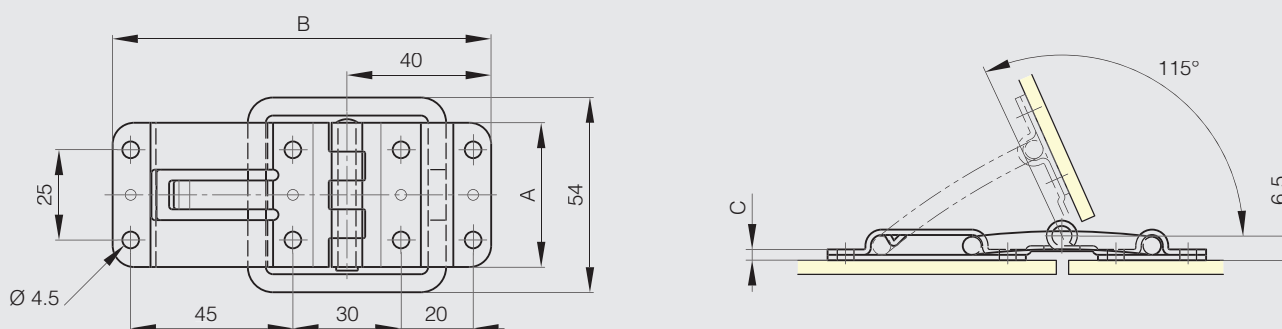
Part number	Material	Finish	A	B	Torque	Weight (g)
54-7-3509	polyacetal	ivory	50	60	0.49 N.m	30
54-7-3510	polyacetal	black	50	60	0.49 N.m	30



### Hinge with stop at 115°



Part number	Material	Finish	A	B	C	Weight (g)
52-7-3960	304 stainless steel	polished	40	105	3	122





# Hinges with dual function

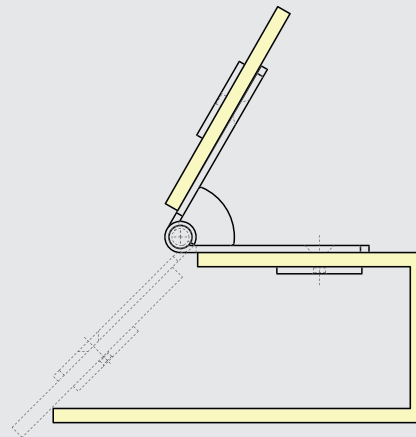
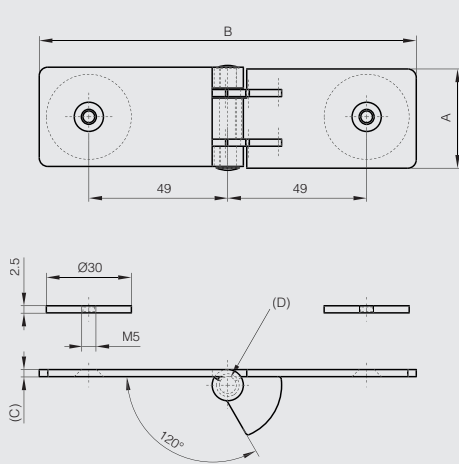
## Hinges with stop

### Hinge with stop at 60°

Suitable for mounting on glass doors.  
For horizontal application.



Part number	Material	Finish	A	B	C	D	Weight (g)
52-1-3840	304 stainless steel	brightened	35	133	2.5	6	140



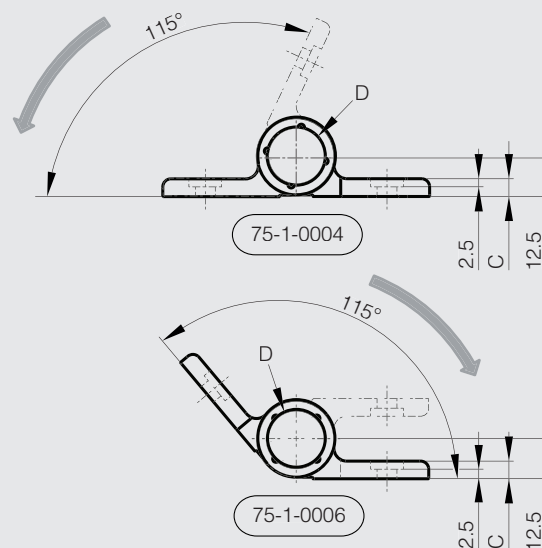
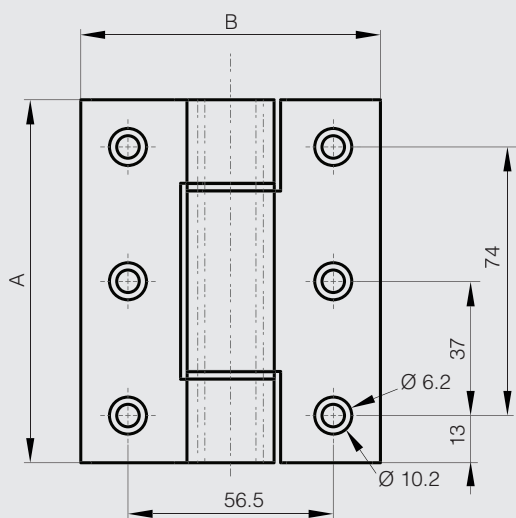
### Soft-close dampening hinges in aluminium



- 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



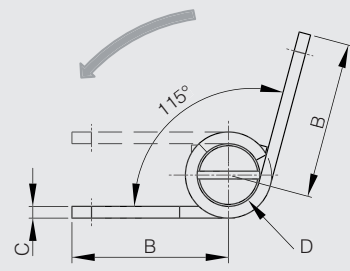
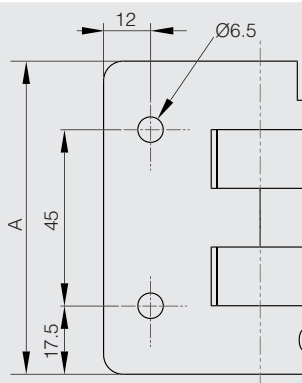
### Soft-close dampening hinge in stainless steel



- Soft-close dampening hinge: soft-close damper keeps lid from slamming shut when the hinge is put in the closed 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): 2.2 to 3.0 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.
- A similar hinge with a spring can be used: put together with a dampening hinge, 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)
75-1-0003	304 stainless steel	raw	80	40	3	16	2.2 - 3.0 N.m	Damper working direction when closing the hinge	300



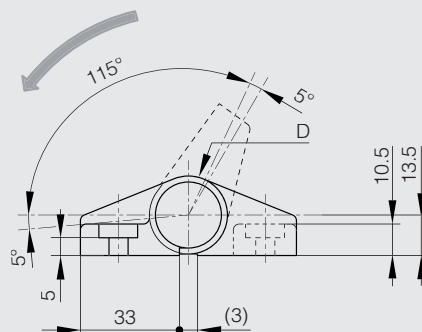
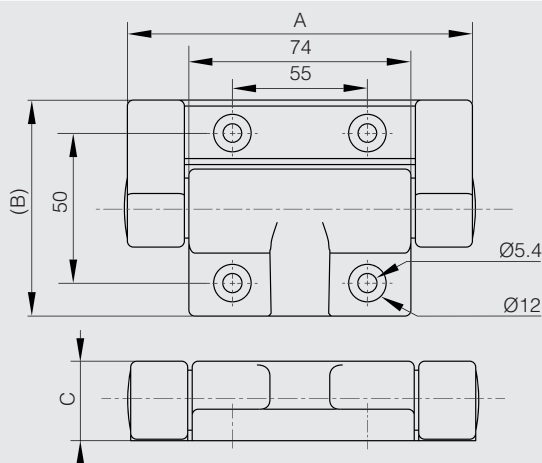
### Soft-close dampening hinges in plastic



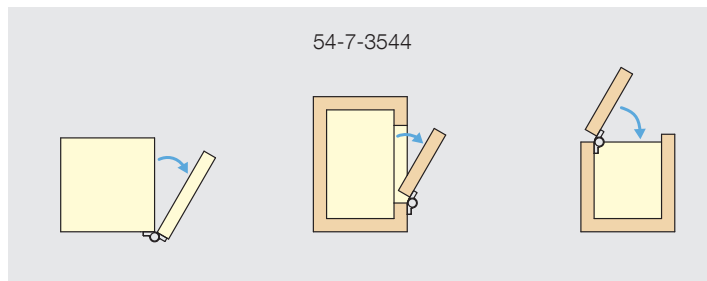
- Soft close dampening hinge: soft-close damper keeps lid from slamming shut.
- Operating angle: 115°.
- If the opening angle is wider than 115° (+/- 5°), mechanism is broken and damper doesn't work any longer.
- **Provide a door stopper to prevent from overturning beyond the prescribed angle range.**
- 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 (pair): 10 to 14 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
- 2 damper working directions available:
  - part number 54-7-3543: damper working direction when opening the hinge (as shown by the arrow on the drawing).
  - part number 54-7-3544: damper working direction when closing the hinge (not shown).
- Mounting examples: see drawings.



Part number	Material	Finish	A	B	C	D	Torque	Note	Weight (g)
54-7-3543	polymer	dark grey	115	72	26.5	26	5 - 7 N.m	Damper working direction when opening the hinge: hinge without marking color (backside)	180
54-7-3544	polymer	dark grey	115	72	26.5	26	5 - 7 N.m	Damper working direction when closing the hinge: hinge red marking color (backside)	180



Damper working direction when opening the hinge



Damper working direction when closing the hinge

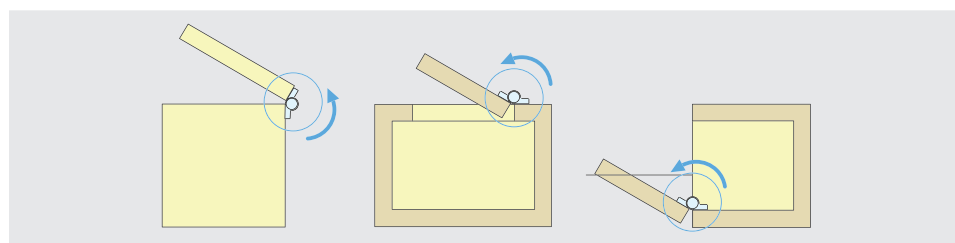
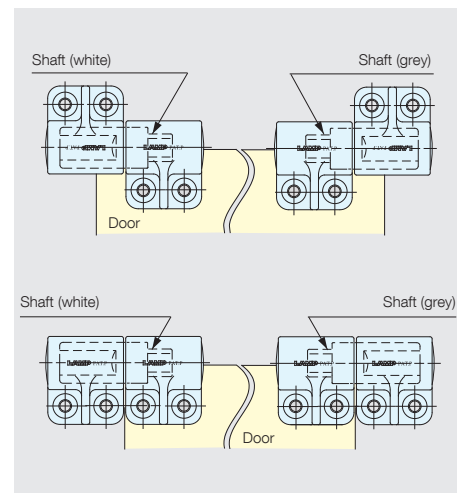
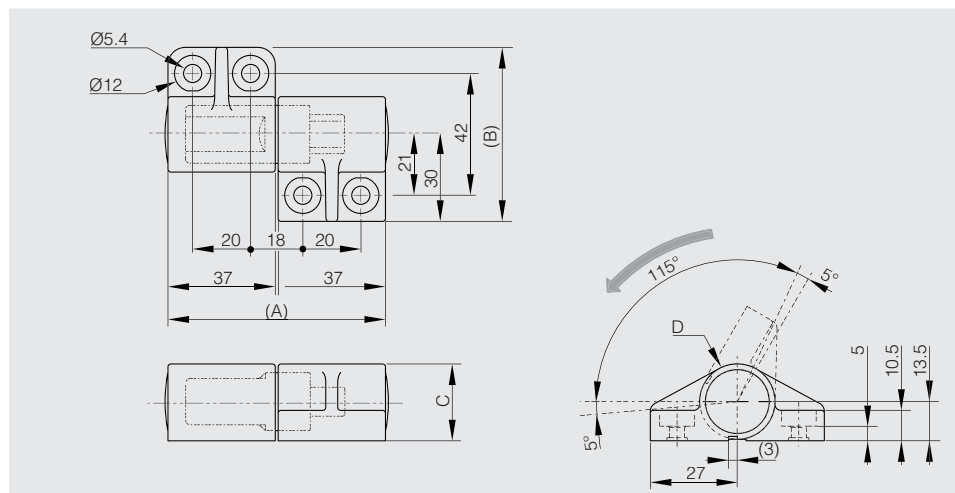
### Soft-close dampening lift-off hinge



- Soft close dampening lift-off hinges: soft-close damper keeps lid from slamming shut.
  - Sold in pairs (type 1 and type 2).
  - Lift-off hinge type 1 has a grey shaft and the damper working direction is clockwise.
  - Lift-off hinge type 2 has a white shaft and the damper working direction is counter-clockwise (shown on 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 (pair): 5 to 7 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.



Part number	Material	Finish	A	B	C	D	Torque	Note	Weight (g)
12-7-4241	polymer	dark grey	75	60	26.5	26	5 - 7 N.m / set	sold in pairs	180



### Compression latching hinges



Latching hinge that may be used as hinge or latch according to need.

Allows you to open door as left- or right hinged door, or to remove door completely. Universal left- and right assembly.

Available with a built-in safety catch for safe opening of pressurized doors. In addition to the 3 mm compression that always applies, the latching hinge can easily be adjusted between offset 0 mm, 1.5 mm or 3.0 mm to put more pressure on the gasket and ensure a tight and sealed door.

Door part mounts on a mounting bracket (included) which stabilize the door in the latching hinge area and provide further adjustability.

The latching hinge can be adjusted 3 mm in all three directions. Insert: recessed hexagon 8 mm, with open and close indication for insert position.

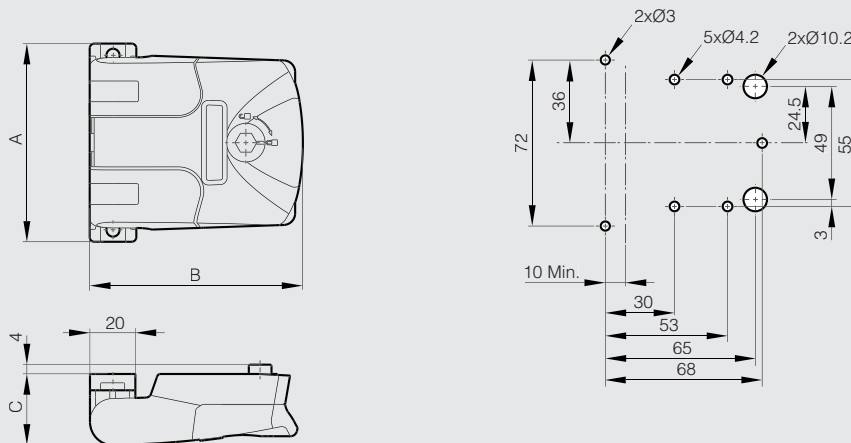


Frame part mounts with screws. Mounting bracket for the door mounts with  $\varnothing$  4 mm blind rivets.

Note that a normal panel will need four units in order to operate as either left-open, right open, or completely removable.

No problems with thermal break as units are surface-mounted on to door and frame parts, resulting in no parts intruding through the double skinned doors.

	Part number	Material	Finish	A	B	C	Note	Weight (g)
NEW	54-7-3549	polyamide	black	85	91	30.5	with built-in safety catch	102
NEW	54-7-3550	polyamide	black	85	91	30.5	without safety catch	96



# Hinges with dual function

## Latching hinges

### Hinge for insulated door

Hinge designed for use on insulated doors in HVAC units.

With door in open position, the smart quick-release function allows for complete door removal and door attachment, without the need for any tool.

Universal right and left mounting with 180° opening angle. Surface mounted on frame and door with rivets or screws.

Door side in PA6, frame side in black zamak, pin in 303 stainless steel.



	Part number	Material	Finish	A	B	C	Weight (g)
<b>NEW</b>	<b>54-7-3545</b>	polyamide and zinc die-cast	black	90	74.5	32	139

