Spring hinges


Art.:6062


Art.:6063


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Art.:6066


Art.:6067


Art.:6068


Art.:6164


Art.:6165


Art.:6166


Art.:6105


Art.:6169


Art.:6167


Art.:6486


Art.:6088


Art.:6872


Art.:6876

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Spring hinges

with adjustable spring force

Art.: 158.I-5524

Art.:158.5334

Art.: 158.I-5124

Art.:158.5224

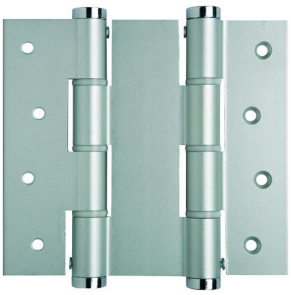
Art.:158.5314

Art.:158.5814

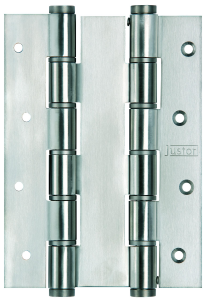
Art.:158.6117

Art.:158.6117

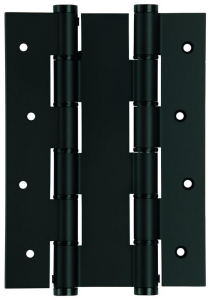
Art.:158.6314



Art.:158.5414



Art.:158.5914



Art.:158.5914

Art.:158.5414

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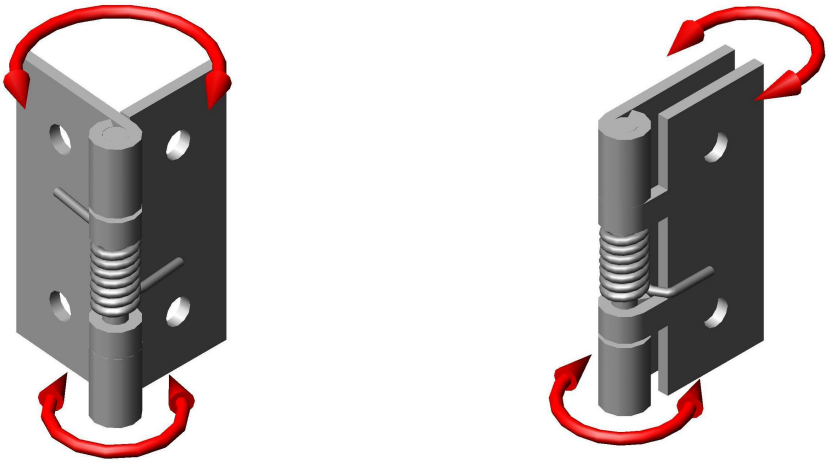
Spring hinges

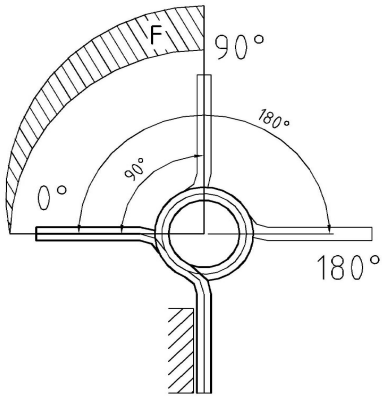
Rotating direction of the hinge

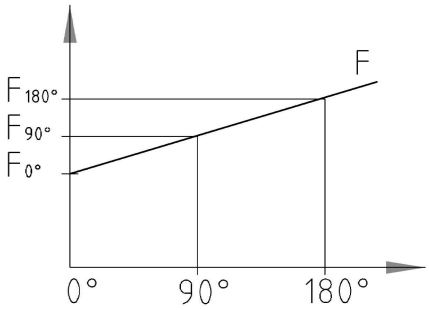


Pressure direction of the hinge

Execution_.01	Execution _.02
(mounted self-opening spring)	(mounted self-closing spring)

F = Force of the spring on a point at a distance of 100 mm from the axis of the hinge.
Through rotation you become a linear force increase, that can be measured in grams.
Starting position / Delivery status = 0°





F = spring force

F (0°)	=	50 g
F (90°)	=	100 g
F (180°)	=	150 g

Ordering example:
Art.no 6001 01/02 04/30.F18

- F18 – Spring wire diameter (Ø 1,8)
- 04/30 – Material (zinc plated, stainless steel)
- 01/02 – Execution (opening or closing ring)
- 6001 – Series

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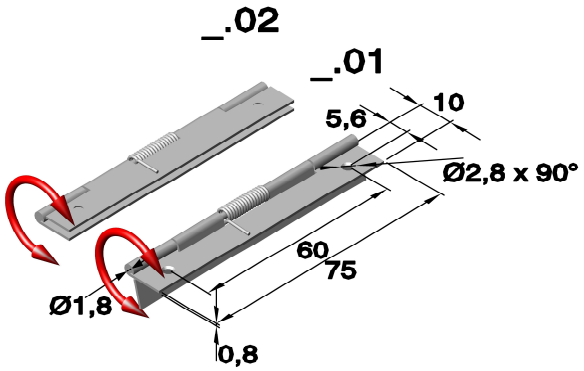
Spring hinges

Art. no.: 6062 (drilled and countersunk)

Tension spring made of stainless steel spring

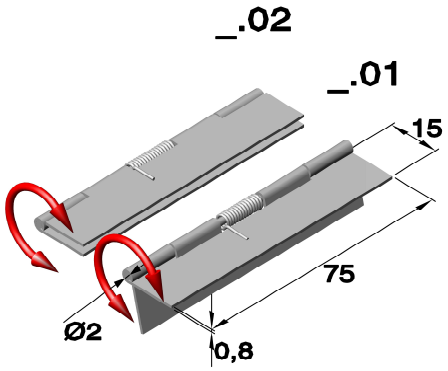
Article no.				Elastic force in g		
Series	Execution	Material Raw		0°	90°	180°
		Steel	Stainless steel			
6062	.01	.00	.30	60	90	120
6062	.02	.00	.30	60	90	120



Art. no.: 6063

Tension spring made of steel or stainless steel.

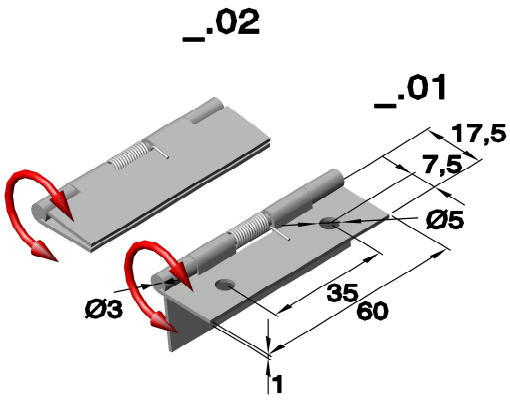
Article no.				Elastic force in g		
Series	Execution	Material Raw		0°	90°	180°
		Steel	Stainless steel			
6063	.01	.00	.30	60	90	120
6063	.02	.00	.30	60	90	120



Art. no.: 6064 (drilled)

.01 / .02-tension spring made of steel.
.03 / .04-tension spring made of stainless steel

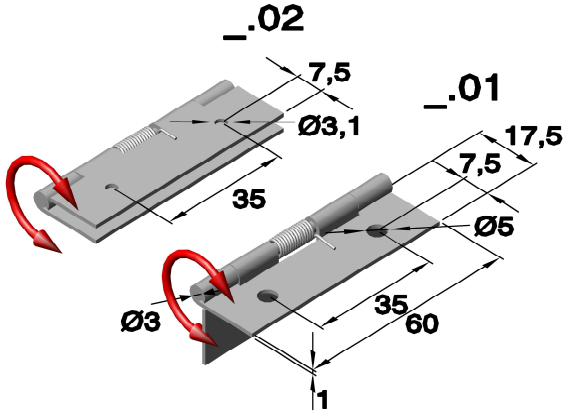
Article no.				Elastic force in g		
Series	Execution		Material Raw	0°	90°	180°
	Steel spring	Stainless steel spring	Steel			
6064	.01	.03	.00	45	70	90
6064	.02	.04	.00	45	70	90



Art. no.: 6065 (drilled)

Tension spring made of steel or stainless steel.

Article no.			Elastic force in g		
Series	Execution	Material Raw Stainless steel	0°	90°	180°
6065	.01	.30	40	60	80
6065	.02	.30	40	60	80



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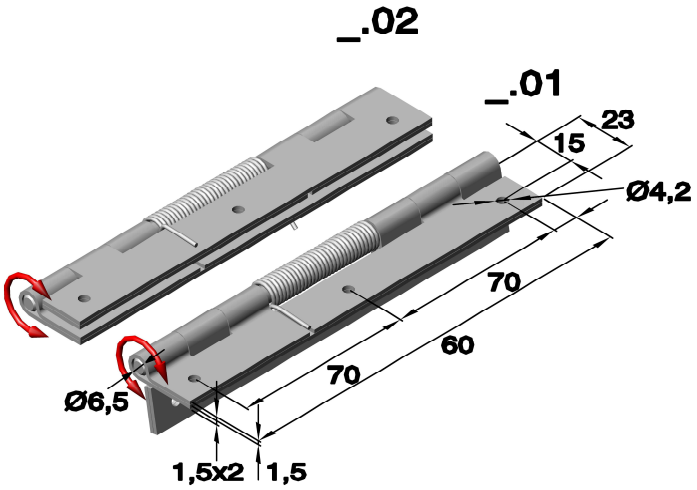
Spring hinges

Art. no.: 6066 (drilled)

Tension spring made of stainless steel.

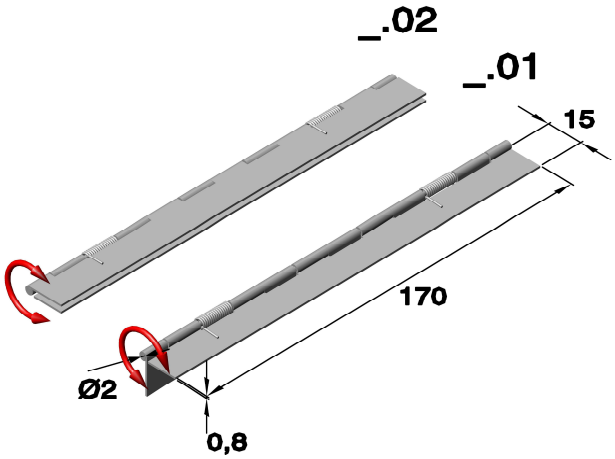
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6066	.01	.00	.30	550	750	950
6066	.02	.00	.30	550	750	950



Art. no.: 6067

Tension spring made of stainless steel.

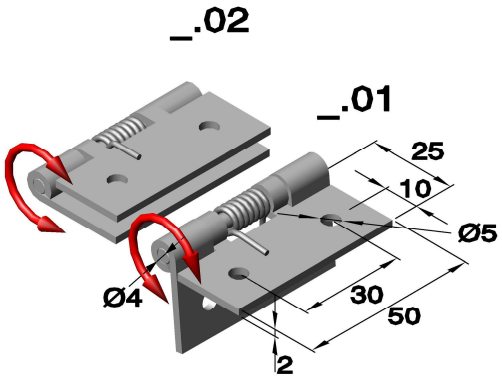
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6067	.01	.00	.30	140	220	300
6067	.02	.00	.30	140	220	300



Art. no.: 6068 (drilled)

Tension spring made of stainless steel.

Article no.						Elastic force in g		
Series	Execution	Material		Spring	Spring wire Ø in mm	0°	90°	180°
		Zinc plated	Raw					
		Steel	Stainless steel					
6068	.01	.08	.30		1,5	320	640	1060
6068	.02	.08	.30		1,5	320	640	1060
6068	.01	.08	.30	.F08	0,8	20	50	80
6068	.02	.08	.30	.F08	0,8	20	50	80
6068	.01	.08	.30	.F10	1,0	40	120	200
6068	.02	.08	.30	.F10	1.0	40	120	200
6068	.01	.08	.30	.F1.25	1,25	140	300	500
6068	.02	.08	.30	.F1.25	1,25	140	300	500



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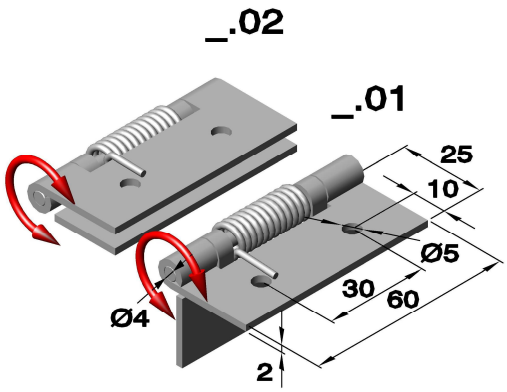
Spring hinges

Art. no.: 6107 (drilled)

Tension spring made of stainless steel.

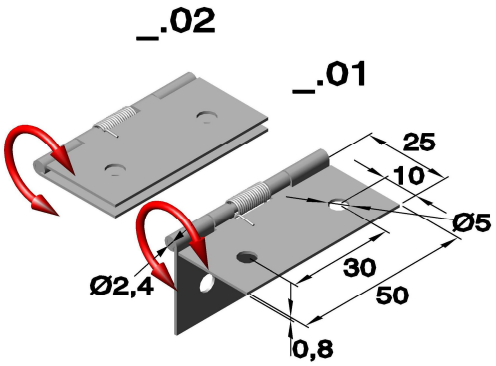
Article no.						Elastic force in g		
Series	Execution	Material		Spring	Spring wire Ø in mm	0°	90°	180°
		Zinc plated	Raw					
		Steel	Stainless steel					
6107	.01	.04	.30	.F18	1,8	400	900	1400
6107	.02	.04	.30	.F18	1,8	400	900	1400



Art. no.: 6108 (drilled)

Tension spring made of stainless steel.

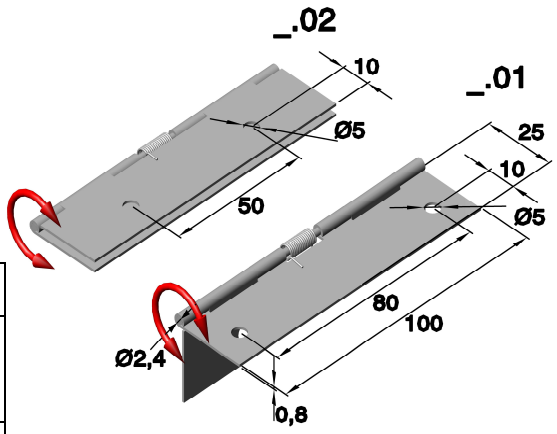
Article no.					Elastic force in g		
Series	Execution	Material	Spring	Spring wire Ø in mm	0°	90°	180°
		Raw					
		Stainless steel					
6108	.01	.30	.F05	0,5	10	20	30
6108	.02	.30	.F05	0,5	10	20	30
6108	.01	.30	.F06	0,6	20	40	60
6108	.02	.30	.F06	0,6	20	40	60
6108	.01	.30	.F08	0,8	30	60	90
6108	.02	.30	.F08	0,8	30	60	90



Art. no.: 99.A100 (drilled)

Tension spring made of stainless steel.

Article no.						Elastic force in g		
Series	Execution	Material		Spring	Spring wire Ø in mm	0°	90°	180°
		Zinc plated	Raw					
		Steel	Stainless steel					
99.A100	.01	.04	.30	-	0,4	7	15	25
99.A100	.02	.04	.30	-	0,4	7	15	25
99.A100	.01	.04	.30	.F08	0,8	30	60	90
99.A100	.02	.04	.30	.F08	0,8	30	60	90



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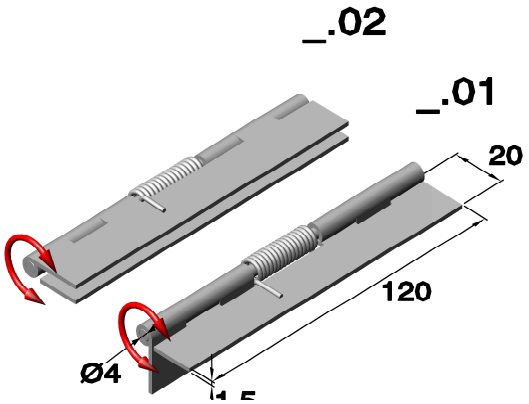
Spring hinges

Art. no.: 6164

Tension spring made of stainless steel.

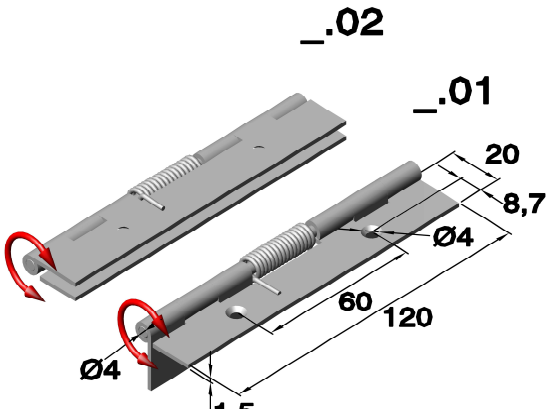
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6164	.01	.00	.30	60	300	600
6164	.02	.00	.30	60	300	600



Art. no.: 6164. __ /G (drilled and countersunk)

Tension spring made of stainless steel.

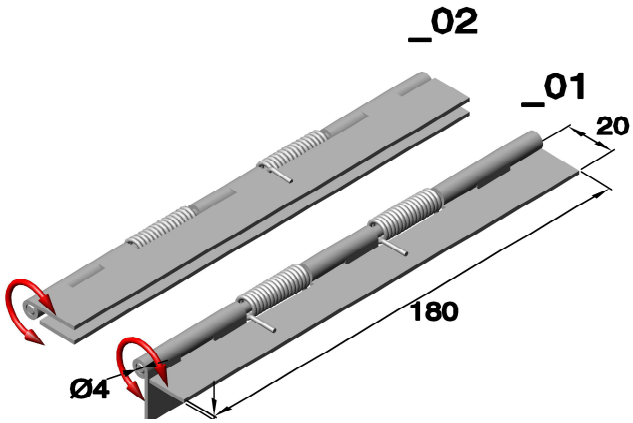
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Zinc plated	Raw			
		Steel	Stainless steel			
6164	.01	.04/G	.30/G	60	300	600
6164	.02	.04/G	.30/G	60	300	600



Art. no.: 6165

Tension spring made of stainless steel.

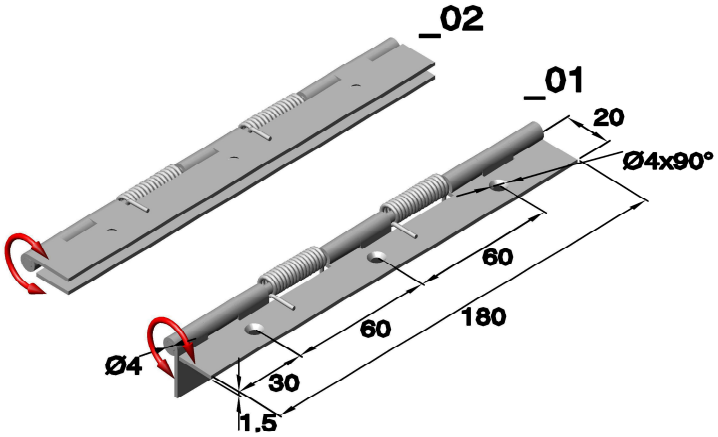
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6165	.01	.00	.30	120	600	1200
6165	.02	.00	.30	120	600	1200



Art. no.: 6165. __ /G (drilled and countersunk)

Tension spring made of stainless steel.

Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Zinc plated	Raw			
		Steel	Stainless steel			
6165	.01	.04/G	.30/G	120	600	1200
6165	.02	.04/G	.30/G	120	600	1200



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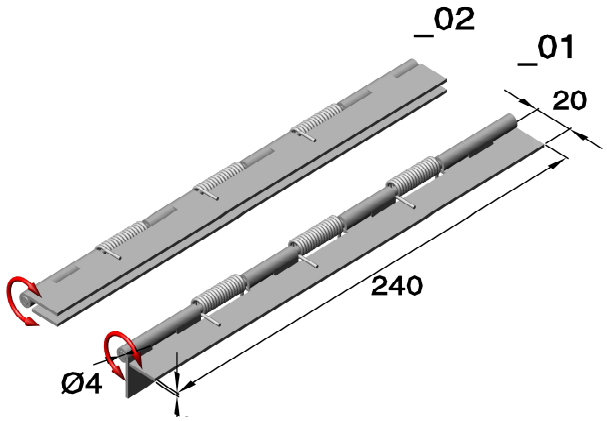
Spring hinges

Art. no.: 6166

Tension spring made of stainless steel.

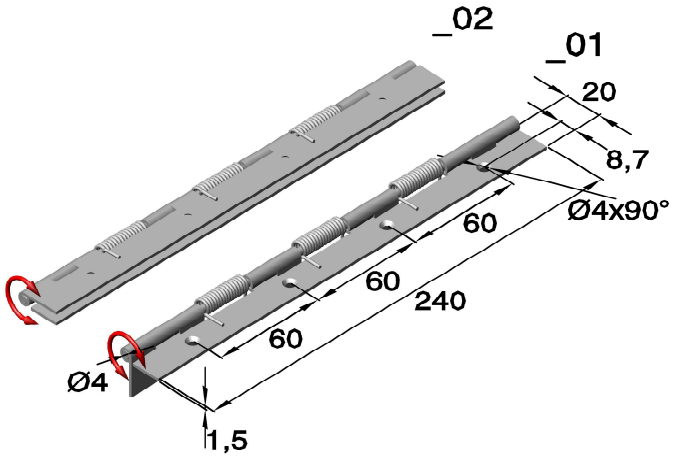
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Raw				
		Steel	Stainless steel			
6166	.01	.00	.30	180	900	1800
6166	.02	.00	.30	180	900	1800



Art. no.: 6166. __. /G (drilled and countersunk)

Tension spring made of stainless steel.

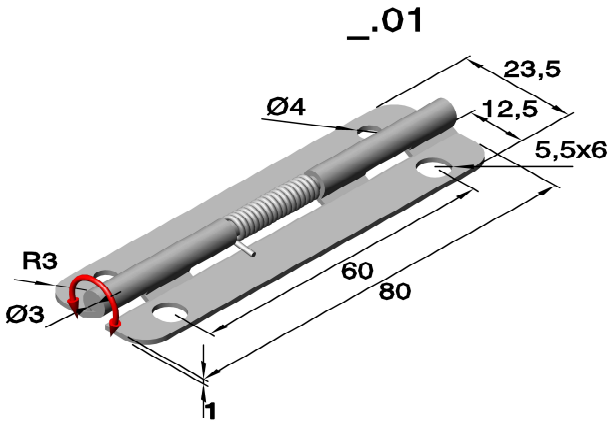
Article no.				Elastic force in g		
Series	Execution	Material		0°	90°	180°
		Zinc plated	Raw			
		Steel	Stainless steel			
6166	.01	.04/G	.30/G	180	900	1800
6166	.02	.04/G	.30/G	180	900	1800



Art. no.: 6169 (drilled)

Tension spring made of stainless steel.

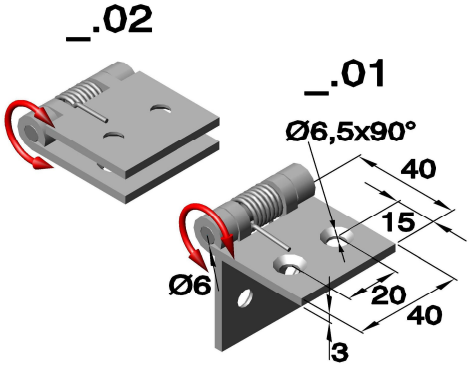
Article no.			Elastic force in g		
Series	Execution	Material	0°	90°	180°
		Raw			
		Stainless steel			
6169	.01	.30	50	100	150



Art. no.: 64080 (drilled and countersunk)

Tension spring made of stainless steel.

Article no.					Elastic force in g		
Series	Execution	Material	Spring	Spring wire Ø in mm	0°	90°	180°
		Raw					
		Stainless steel					
64080	.01	.30	.F15	1.5	150	520	920
64080	.02	.30	.F15	1.5	150	520	920



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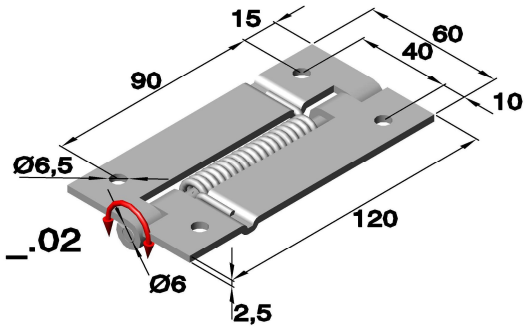
Spring hinges

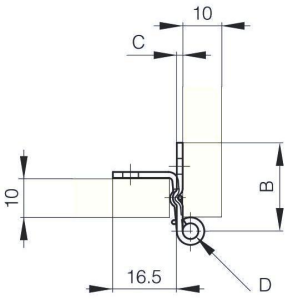
Art. no.: 6941 (drilled)

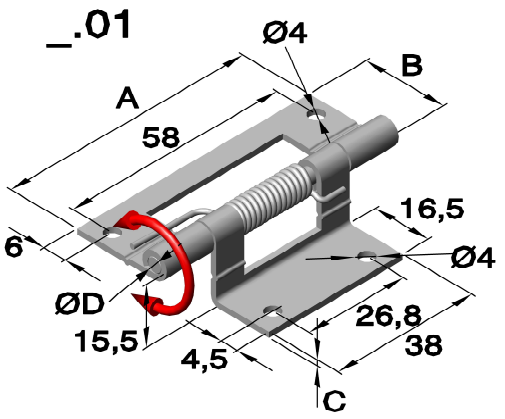
Tension spring made of stainless steel.



Article no.					Elastic force in g		
Series	Execution	Material Raw Stainless steel	Spring	Spring wire Ø in mm	0°	90°	180°
6941	.01	.30	.F28	2,8	300	1600	2600
6941	.02	.30	.F28	2,8	300	1600	2600

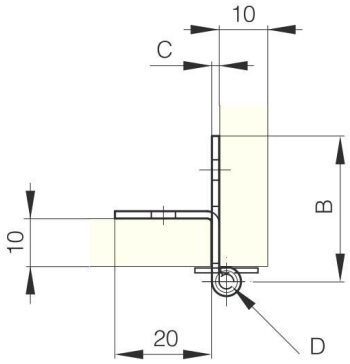
Art. no.: 6167 (drilled)

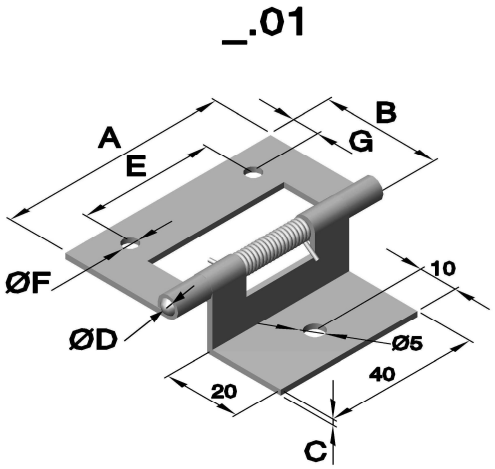




Article no.			Dimensions in mm			Elastic force in g		
Series	Execution	Material Polished Stainless steel	A	B	C	0°	90°	180°
6167	.01	.35	66	22,5	1,5	60	200	380

Art. no.: 6486 (drilled)





Article no.			Dimensions in mm						
Series	Execution	Material Raw Stainless steel	A	B	C	Ø D	E	Ø F	G
6486	.01	.35	60	30	1,5	3	36	4,2	7

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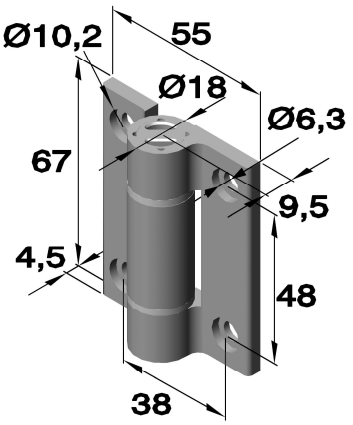
Spring hinges

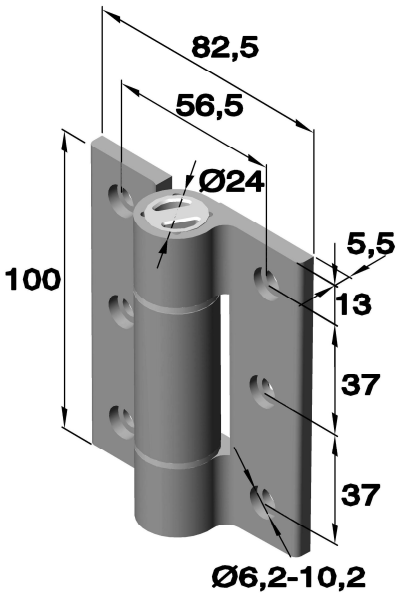
Art. no.: 6872 (drilled and countersunk)
Art. no.: 6873 (drilled and countersunk)



with integrated spring
Also available as:
Free running hinge see chapter “hinges”
Torque hinge see chapter “torque and detent hinges”
Detent hinges see chapter “torque and detent hinges”

Article no.				Elastic force in N m		
Series	Execution	Material		0°	90°	180°
		Aluminium 6060 T5				
		Silver	Black			
6872	.01 self opening	.70	.77	0,23	0,45	0.7
6872	.03 self closing	.70	.77	0,23	0,45	0.7
6872	.02 self opening	.70	.77	0,12	0,24	0,35
6872	.04 self closing	.70	.77	0,12	0,24	0,35
6873	.01 self opening	.70	.77	0,9	1,1	1,3
6873	.02 self closing	.70	.77	0,9	1,1	1,3

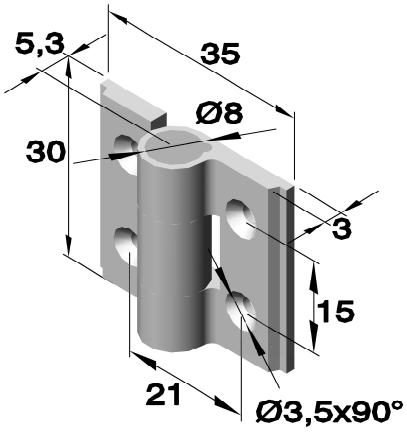
Art. no.: 6876 (drilled and countersunk)



with integrated spring
Also available as:
Free running hinge see chapter “hinges”
Soft-closing hinge see also chapter “torque and detent hinges”

Article no.				Elastic force in N m		
Series	Execution	Material		0°	90°	180°
		Aluminium 6060 T5				
		Silver	Black			
6876	.01	.70.	.77	2,4	3,1	3,8
6876	.02	.70	.77	2,4	3,1	3,8

Art.no.:6960 (drilled and countersunk)



with integrated spring

Also available as:
Torque hinge see chapter “torque and detent hinges”
Detent hinge see chapter “torque and detent hinges”

Article no.				Elastic force in N m		
Series	Execution	Material		0°	90°	180°
		Colourless Alu 6060 T5	Black Alu 6060 T5			
6960	.01	.71	.77	0,2	0,12	0,07
6960	.02	.71	.77	0,2	0,12	0,07

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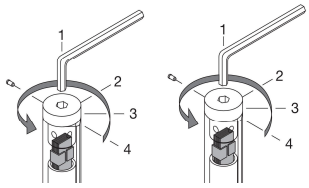
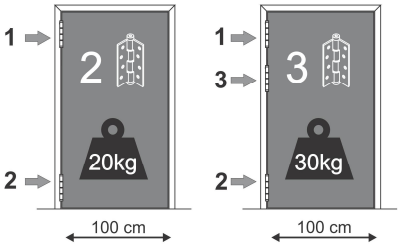
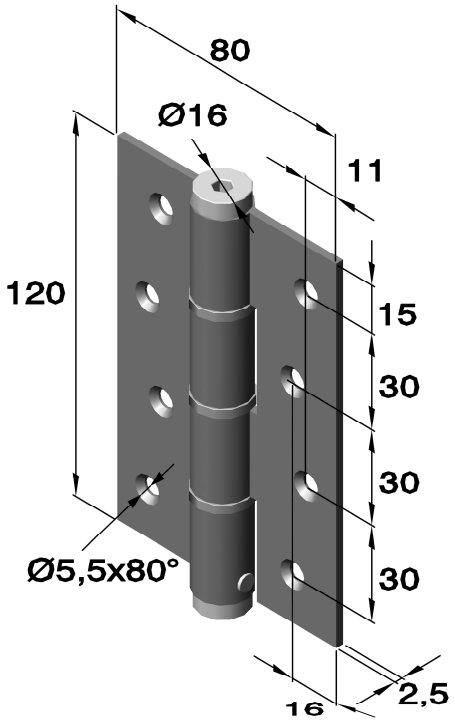
Spring hinges

Art.no. 158. 5314. __.__ (spring force adjustable)

with integrated spring





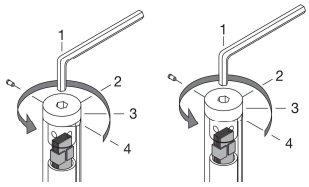


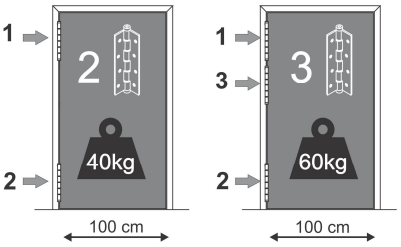
Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5314.08	.04	-	20	30
158.5314.05	-	.30	20	30

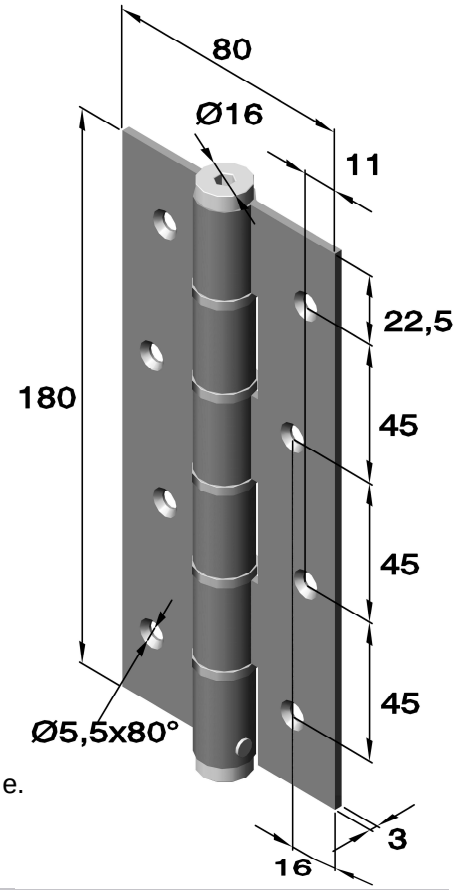
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
max. aperture angle 180°.

Art.no. 158. 5814.__.__ (spring force adjustable)

with integrated spring







Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5814.08	.04	-	40	60
158.5814.05	-	.30	40	60

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
max. aperture angle 180°.

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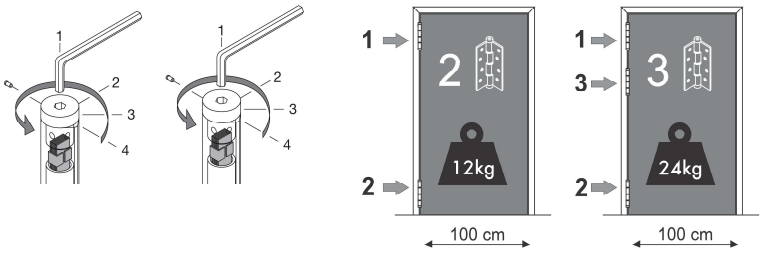
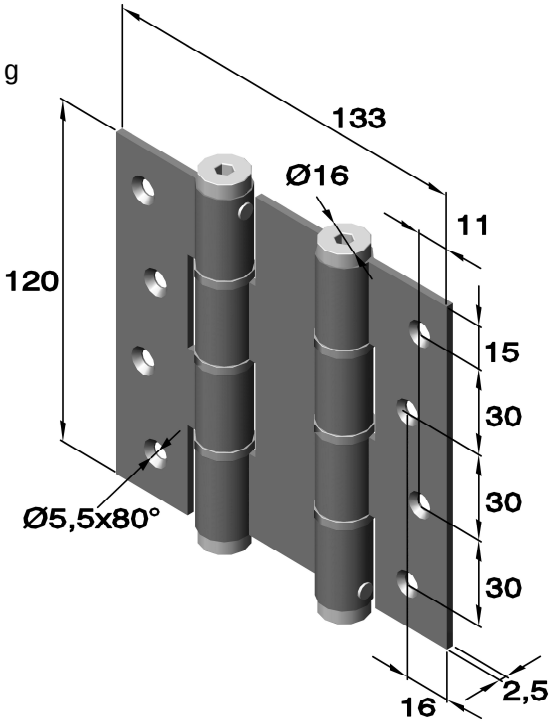
Spring hinges

Art.no. 158. 5414. __. __ (spring force adjustable)

Double joint hinge/Swing door hinge, with integrated spring



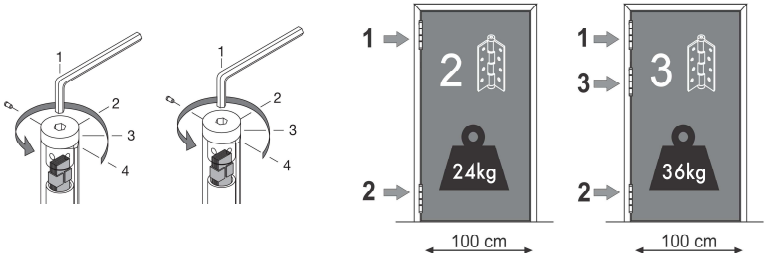


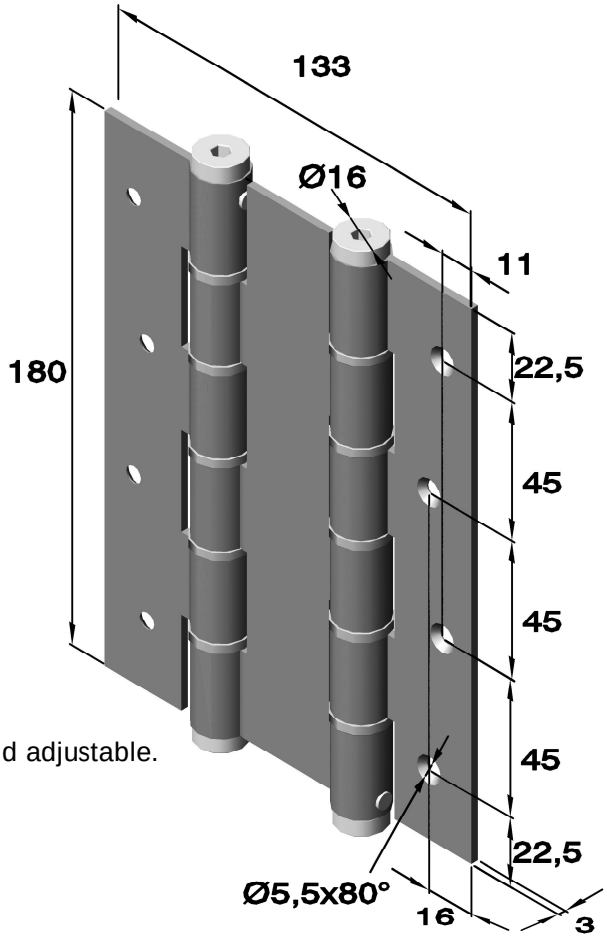
Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5414.08	.04	-	12	24
158.5414.05	-	.30	12	24

This product will be delivered only in pairs.
Close doors automatically,
integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

Art.no. 158. 5914. __. __ (spring force adjustable)

double joint hinge/Swing door hinge,
with integrated spring





Article no.			Loading capacity in Kg	
Series	Material		for 2 hinges	for 3 hinges
	Zinc plated	Brushed		
	Steel	Stainless steel		
158.5914.08	.04	-	24	36
158.5914.05	-	.30	24	36

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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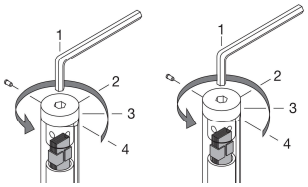
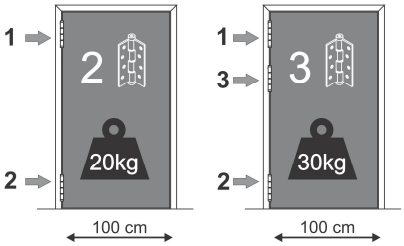
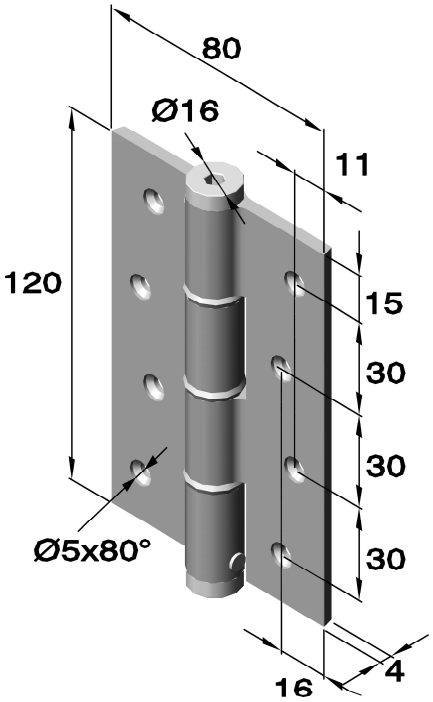
Spring hinges

Art.no. 158. 5314. __. __ (spring force adjustable)

with integrated spring





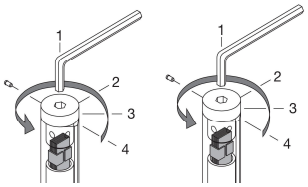


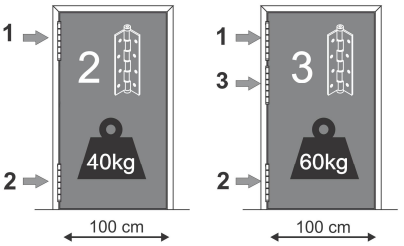
Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5314.01	.71	Silver	20	30
158.5314.02	.72	Gold	20	30
158.5314.03	.73	Bronze	20	30
158.5314.06	.76	White	20	30
158.5314.09	.77	Black	20	30

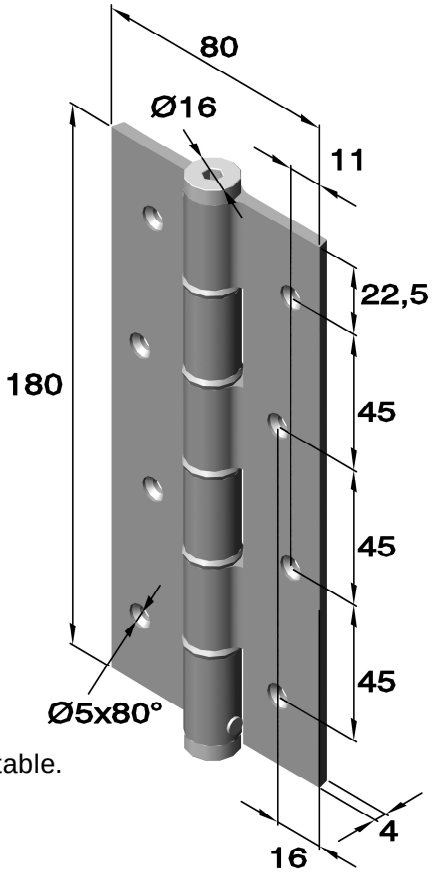
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

Art.no. 158. 5814. __. __ (spring force adjustable)

with integrated spring







Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5814.01	.71	Silver	40	60
158.5814.02	.72	Gold	40	60
158.5814.03	.73	Bronze	40	60
158.5814.06	.76	White	40	60
158.5814.09	.77	Black	40	60

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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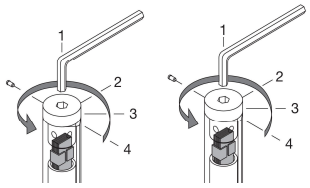
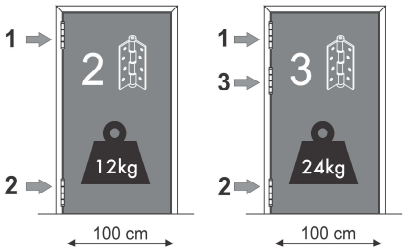
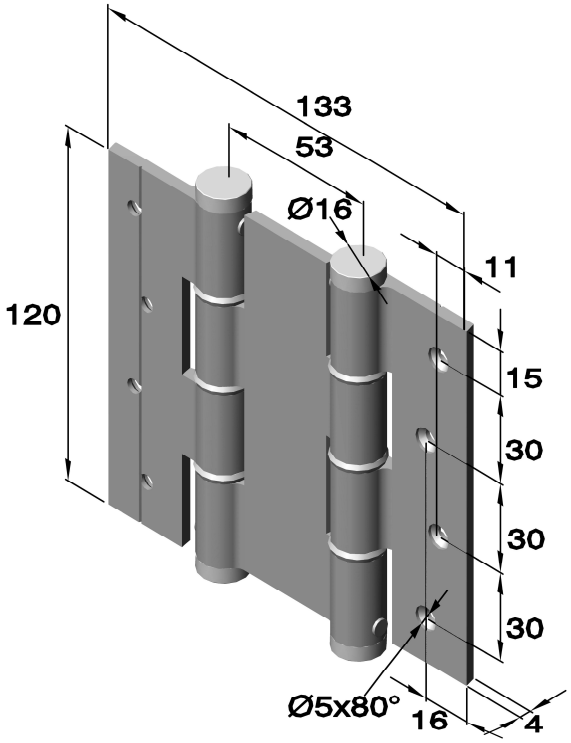
Spring hinges

Art.no. 158. 5414. __. __ (spring force adjustable)

Double joint hinge/Swing door hinge,
with integrated spring





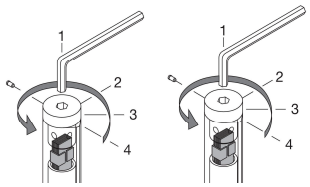


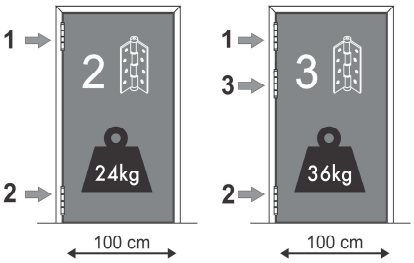
Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5414.01	.71	Silver	12	24
158.5414.02	.72	Gold	12	24
158.5414.03	.73	Bronze	12	24
158.5414.06	.76	White	12	24
158.5414.09	.77	Black	12	24

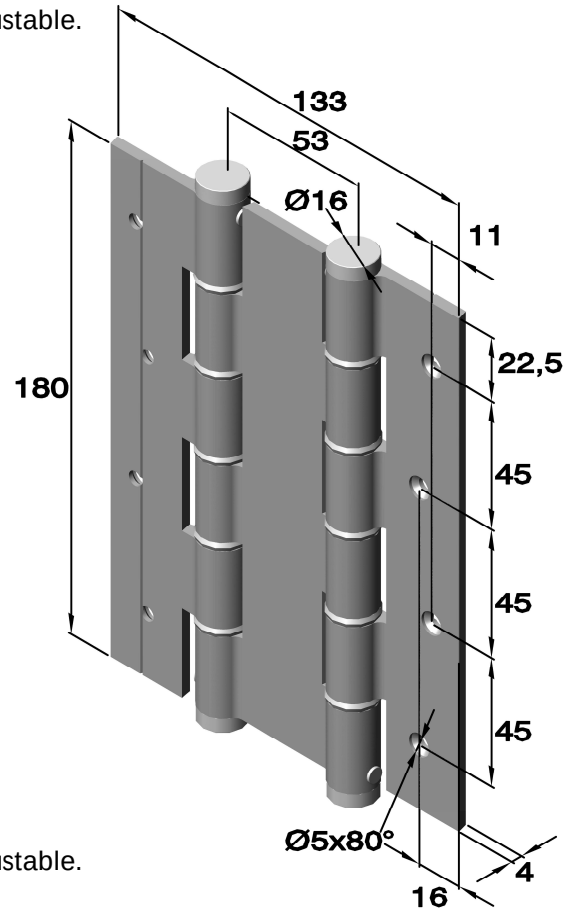
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

Art.no. 158. 5914. __. __ (spring force adjustable)

Double joint hinge/Swing door hinge,
with integrated spring







Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.5914.01	.71	Silver	24	36
158.5914.02	.72	Gold	24	36
158.5914.03	.73	Bronze	24	36
158.5914.06	.76	White	24	36
158.5914.09	.77	Black	24	36

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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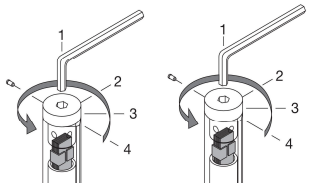
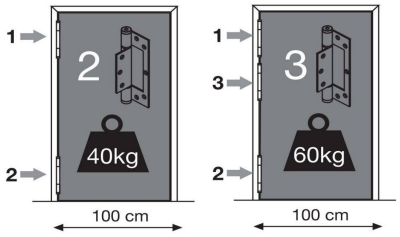
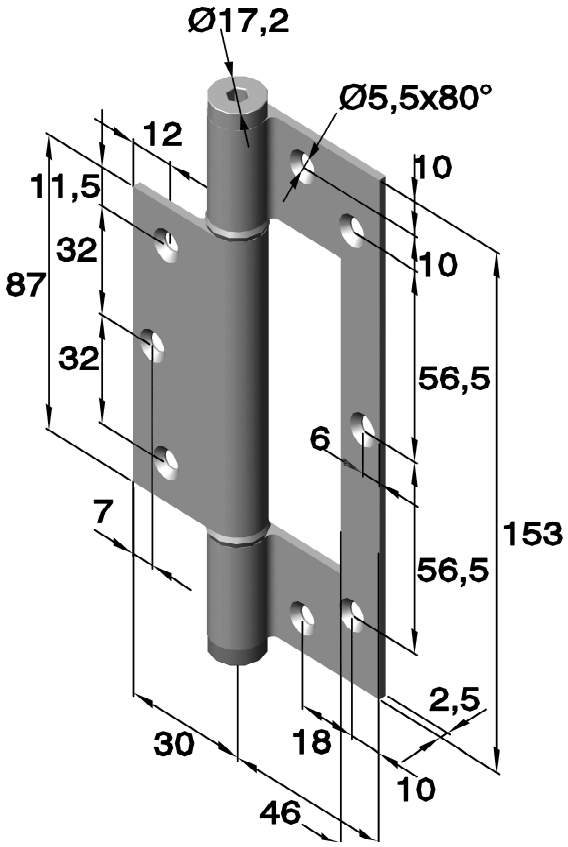
Spring hinges

Art.no. 158. 6314. __. __ (spring force adjustable)

with integrated spring





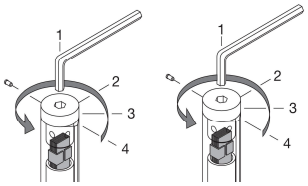


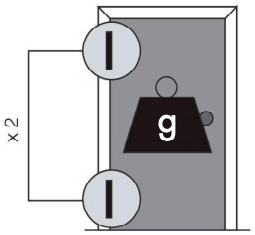
Article no.			Loading capacity in kg	
Series	Material Anodized Aluminium		for 2 hinges	for 3 hinges
158.6314.01	.71	Silver	40	60
158.6314.02	.72	Gold	40	60
158.6314.03	.73	Bronze	40	60
158.6314.06	.76	White	40	60
158.6314.09	.77	Black	40	60

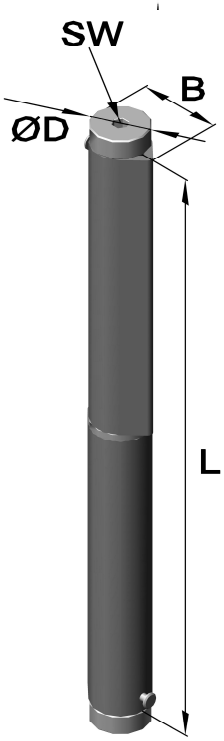
This product will be delivered only in pairs.
Close doors automatically,
integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

Art.no. 158.I-5___. __ (spring force adjustable)

with integrated spring







Article no.		Dimensions in mm				Loading capacity in kg
Series	Material Raw Steel	L	B	SW	ØD	g
158.I-5524	.00	120	21	5	18	20
158.I-5324	.00	180	21	5	18	40
158.I-5124	.00	235	26	5	22	60

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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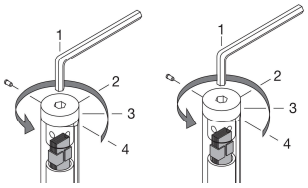
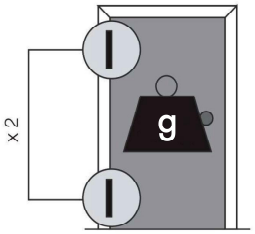
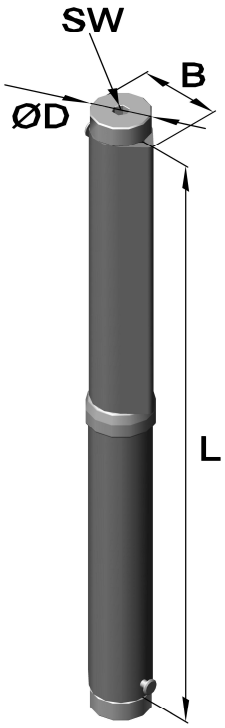
Spring hinges

Art.no. 158.I-5___. __ (spring force adjustable)

with integrated spring, with ball bearing







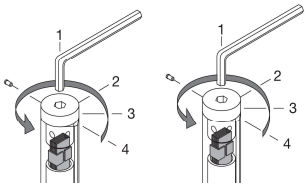
Article no.		Dimensions in mm				Loading capacity in kg
Series	Material Raw Steel	L	B	SW	ØD	g
158.I-5334	.00	180	21	5	18	60
158.I-5134	.00	235	26	5	22	120

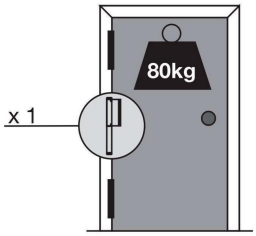
This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

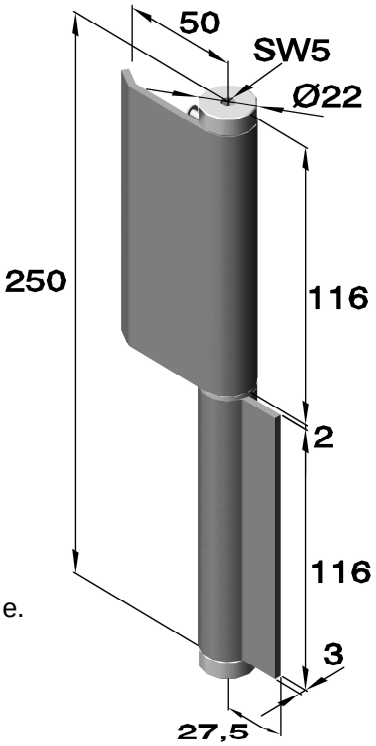
Hinges for fire doors

Art.no. 158.I-5224. __ (spring force adjustable)

with integrated spring







Article no.	
Series	Material Raw Steel
158.I-5224	.00

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

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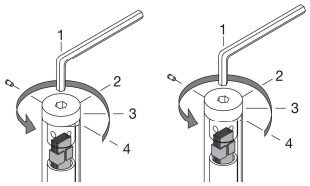
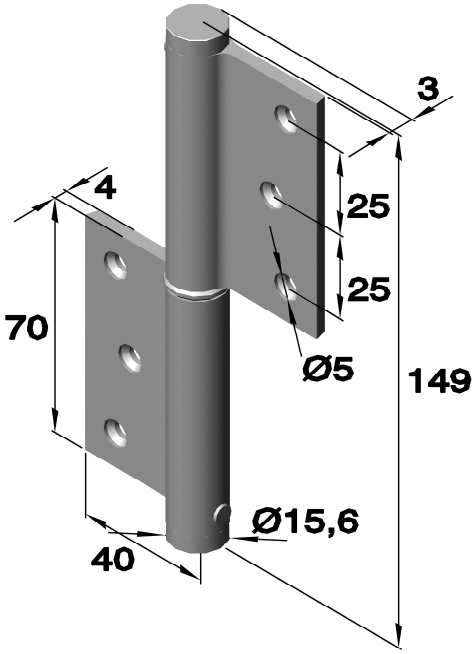
Spring hinges

Art.no. 158. 6717. __. __ (spring force adjustable)

with integrated spring



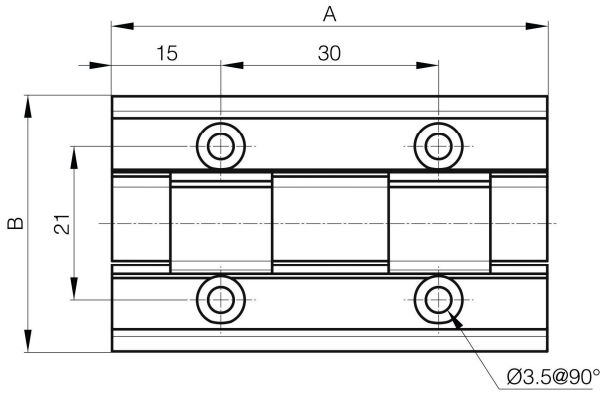


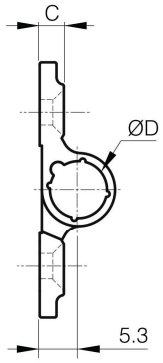
Article no.		
Series	Material	
	Anodized	
	Aluminium	
158.6717.01	.71	Silver
158.6717.02	.72	Gold
158.6717.03	.73	Bronze
158.6717.06	.76	White
158.6717.09	.77	Black

This product will be delivered only in pairs.
Close doors automatically, integrated mechanic is very tough and adjustable.
Max. aperture angle 180°.

Art.no.6896 (perforated and countersunk)

with integraded spring





Article no.				Dimensions in mm				Spring force in N.m		
Series	Execution	Material								
		Colourless Alu 6060 T5	Black Alu 6060 T5	A	B	C	ØD	0°	90°	180°
6896	.01 (opening)	.71	.77	60	35	3.3	8	0,16	0,3	0,7

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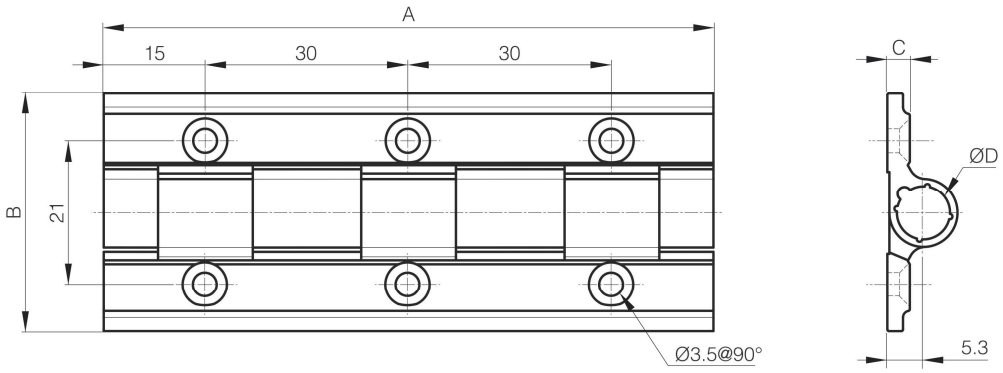
Spring hinges

Art.no.6897 (perforated and countersunk)

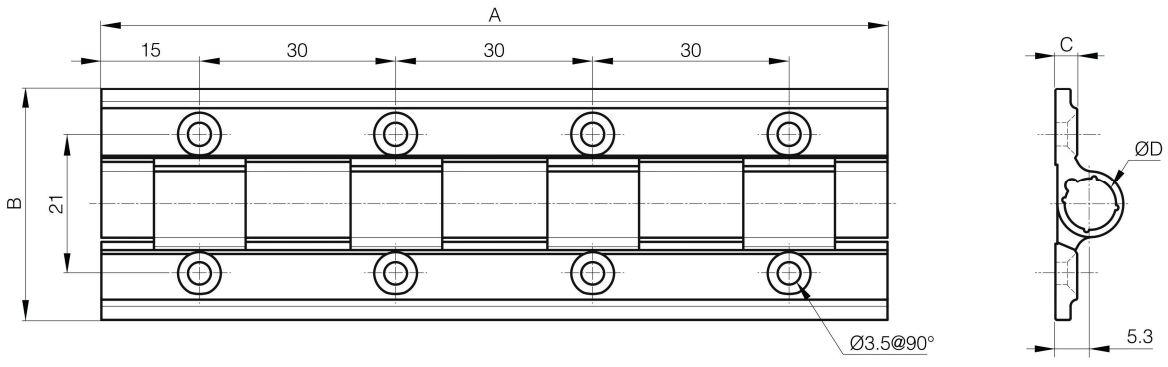
with integrated spring



Article no.				Dimensions in mm				Spring force in N.m		
Series	Execution	Material								
		Colourless Alu 6060 T5	Black Alu 6060 T5	A	B	C	ØD	0°	90°	180°
6897	.01 (opening)	.71	.77	90	35	3.3	8	0,3	0,5	0,7

Art.no.6898 (perforated and countersunk)

with integrated spring



Article no.				Dimensions in mm				Spring force in N.m		
Series	Execution	Material								
		Colourless Alu 6060 T5	Black Alu 6060 T5	A	B	C	ØD	0°	90°	180°
6898	.01 (opening)	.71	.77	120	35	3.3	8	0,4	0,7	0,9

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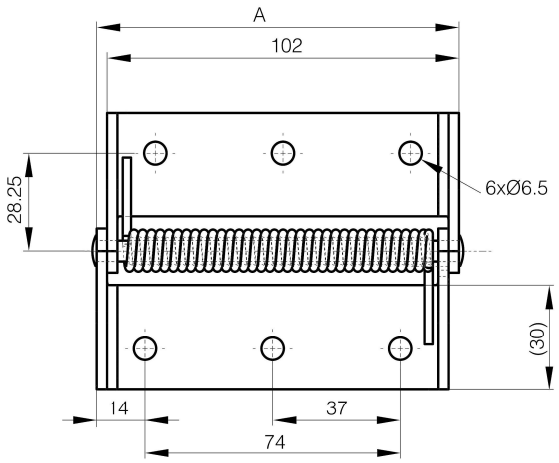
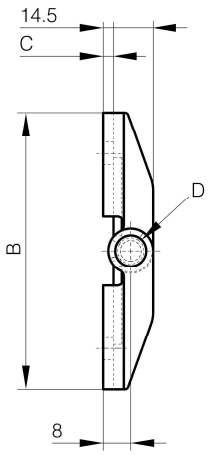
Spring hinges

Art.no.6269 (perforated)

Article no.			Dimensions in mm				Torque of the Spring in N.m.		
Series	Execution	Material: Zinc plated / Steel	A	B	C	ØD	0°	90°	180°
6269	.01	.04	105	80	3	6	1,2	1,7	2,2





Spring hinges

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