

# Steel or stainless steel invisible hinge

Sta

## CHINV For nested doors or surface mounted doors

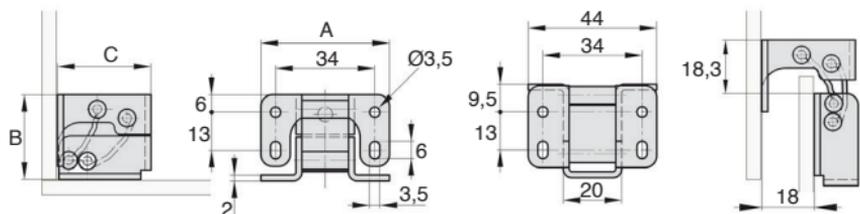
- Invisible hinge with connecting rods
- 90° opening
- Material:  
Zinc-plated steel with 430 stainless steel pin and rod  
Stainless steel 316L raw

### Advantage

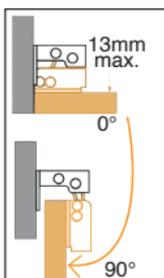
- Invisible when the door is closed

### Mounting

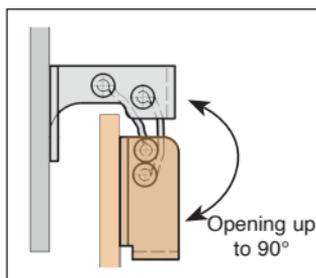
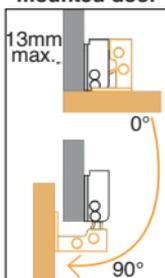
- Flush or surface mounting
- Right- or left-hand mounting
- Vertical or horizontal mounting



Hanging a built-in door



Hanging a surface mounted door



### DISCOUNTS

Qty	1+	6+	20+	50+
Disc. Net	-5%	-10%	On request	

Part number	Material	A	B	C	Weight (g)	Stock*	Price each
CHINV-4429	Steel	44	29	32	64	✓	24,62 €
CHINV-4429/SS	Stainless steel 316L	44	29	32	64	-	32,77 €

\*Depending on availability - Dimensions in mm

# Steel or stainless steel invisible hinge

## CHINV For nested doors or surface mounted doors

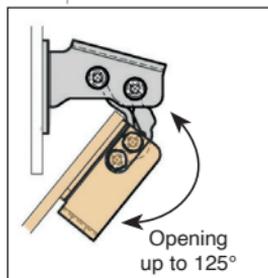
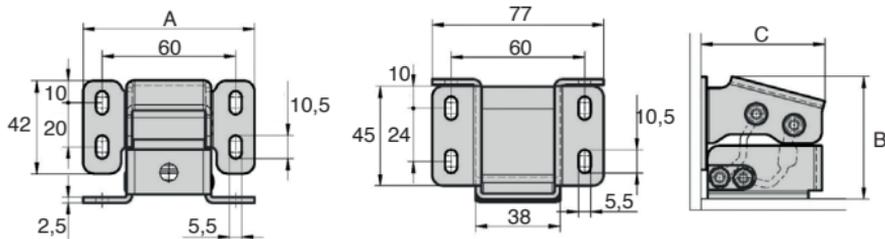
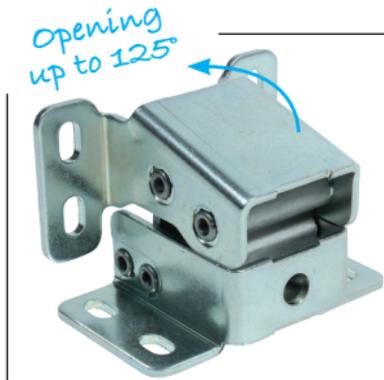
- Concealed hinges (Medium size)
- 125° opening
- Material:
  - Steel zinc plated or 316L stainless steel raw
  - Links in aluminium
  - Pin in zinc plated steel or in 304Cu stainless steel

### Advantage

- Invisible when the door is closed

### Assembly

- For nested doors or surface mounted doors
  - LH or RH options
  - For horizontal or vertical applications.
- Opening angle differs according to door thickness:
- For thickness up to 10 mm: opening angle of 125°
  - 15 mm thickness: opening angle of 115°
  - 20 mm thickness: opening angle of 108°



### DISCOUNTS

Qty	1+	6+	20+	50+
Disc. List	-5%	-10%	On request	

Part number	Material	A	B	C	Weight (g)	Price each
						1 to 5
CHINV-7755	Steel	77	55,2	54,0	250	18,74 €
CHINV-7755/SS	Stainless steel	77	55,2	54,0	250	35,27 €

Dimensions in mm



- Hinge that allows a panel or door to be opened in 30° steps and to maintain the position without the use of any additional support.

- Screw-on front hinge
- Reduced size
- Max opening angle 180° (up to 270° depending on mounting arrangement)
- Working temp range: -30 to 70 °C
- Installed using DIN912 screws (not supplied)
- Materials:

Winds: Black anodised aluminium  
Positioning mechanism: raw sintered steel  
Washers: Black PA polyamide  
Screw/nut: stainless steel

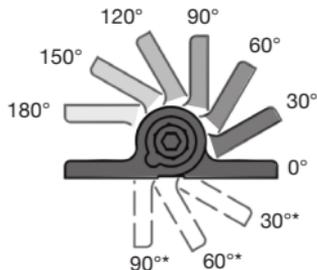
- Max N° of opening cycles: 30,000 (with 20% torque loss)

### Application

- Machine covers
- Industrial displays and LCD screens

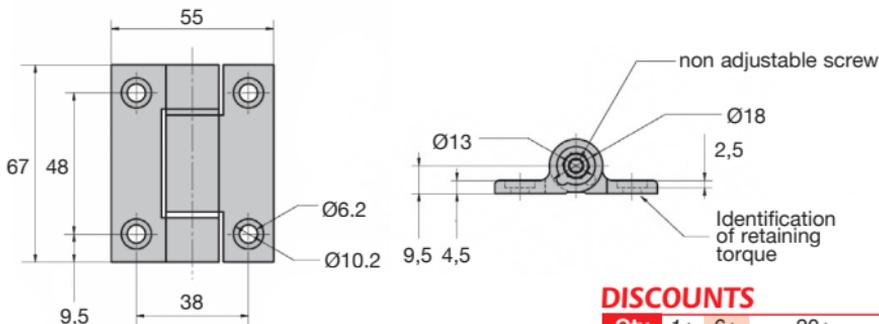
### Info

- The retaining torque is factory set and cannot be modified by the user



#### Angular indexing positions

\*given as a guide only, will depend on panel thickness



### DISCOUNTS

Qty	1+	6+	20+
Disc.	List	-5%	On request

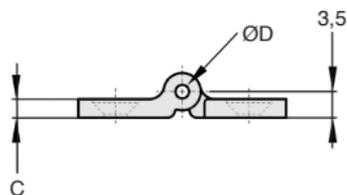
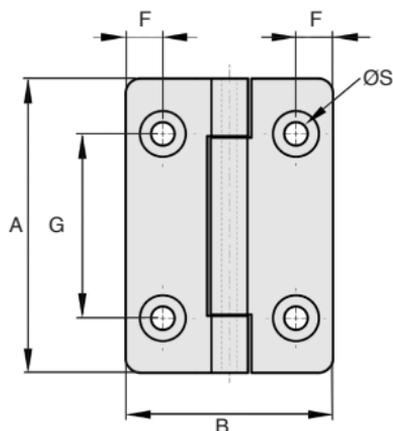
Part number	Panel holding torque**(Nm)	Required torque to move**(Nm)	Weight (g)	Stock*	Price each 1 to 5
CHAK6755-L-AN	0,8	1,8	106	-	61,93 €
CHAK6755-M-AN	1,2	2,5	106	-	67,43 €
CHAK6755-H-AN	2,0	3,2	106	✓	74,36 €

\*\*Tolerance +/-20% - \*Depending on availability - Dimensions in mm

- Screw-on front hinge
- Opening angle 270°
- Materials:
  - White or black acetal
  - 304 stainless steel pin
- Tested for 20,000 open/close cycles

### Advantage

- Miniature hinge, space saving
- Hold a door in position thanks to its self-locking system



### DISCOUNTS

Qty	1+	6+	20+	50+
Disc. Net	-5%	-10%	On request	

Part number	Colour	A	B	C	ØD	F	G	ØS	Friction torque (Nm)	Weight (g)	Stock*	Price each
												1 to 5
CHAFR4028/MIN/B	Black	40	28	2,5	2	5	25	3,2	0,25	5	✓	11,04 €
CHAFR4028/MIN/W	White	40	28	2,5	2	5	25	3,2	0,25	5	✓	11,04 €

\*Depending on availability - Dimensions in mm

# Adjustable friction hinges



## CHAFR

For opening and positioning a panel or door

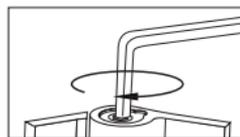
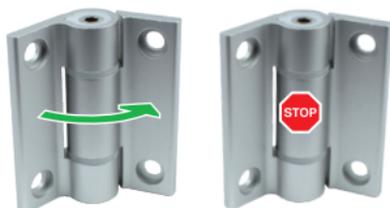
- Screw-on front hinge
- Materials :
  - Aluminium
  - Sleeve : POM
  - Adjustable screw : Stainless steel A2
- Plain or black anodised finish
- Holding force : 0 to 5 Nm max
- Adjusts using 4mm Allen key
- Withstands 6000N
- Shear force : 5000N
- Working temp range -20 to 80°C

### Advantages

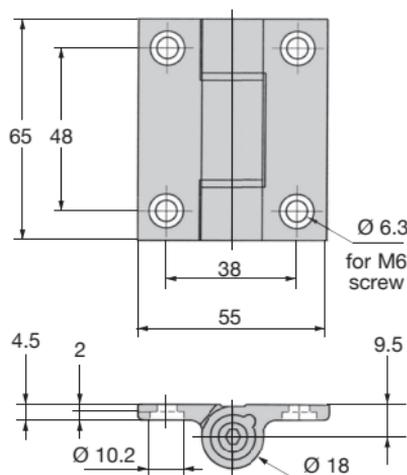
- Adjustable holding force
- Aesthetic hinge



Self locking



Setting of holding force



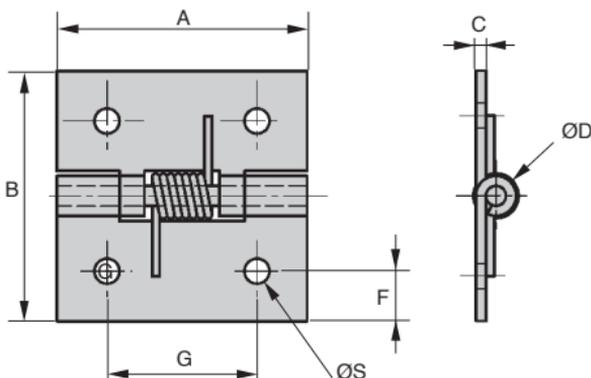
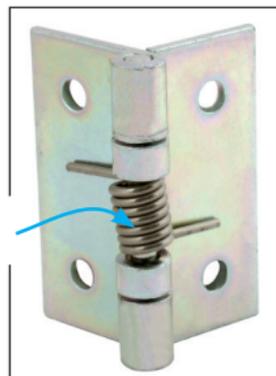
### DISCOUNTS

Qty	1+	6+	20+	50+
Disc. List	-5%	-10%	On request	

Part number	Finish	Stock*	Price each 1 to 5
CHAFR6555/AI	Clear anodised	✓	20,14 €
CHAFR6555/AN	Black anodised	✓	26,10 €

\*Depending on availability - Dimensions in mm

- Hinge with opening or closing spring
- Sheet metal with rolled knot
- Materials:
  - CHAR hinge:** plated steel, spring :stainless steel
  - CHAR/SS hinge:** natural stainless steel 304: spring stainless steel
- Opening spring torque
  - M(0°): 1.5 Nm
  - M(90°): 1.1 Nm
  - M(180°): 0.65 Nm
- Closing spring torque
  - M(0°): 0.65 Nm
  - M(90°): 1.1 Nm
  - M(180°): 1.5 Nm



### DISCOUNTS

Qty	1+	6+	20+	50+
Disc. List		-5%	-10%	On request

Part number	A	B	C	ØD	F	G	ØS	Spring	Weight (g)	Price each	
										Stock*	1 to 5
<b>Steel</b>											
CHAR5050/Z	50	50	2	4	9	30	5	Opening	50	✓	10,52 €
CHAR5050-F/Z	50	50	2	4	9	30	5	Closing	50	✓	11,01 €
<b>Stainless steel</b>											
CHAR5050/SS	50	50	2	4	10	30	5	Opening	50	✓	16,43 €
CHAR5050-F/SS	50	50	2	4	10	30	5	Closing	50	✓	18,90 €

\*Depending on availability - Dimensions in mm

**- Hinge with opening or closing spring**

- Sheet metal with rolled knot

- Materials:

Hinges: steel

Spring: stainless steel 304

Finish: natural

- Opening spring torque:

M(0°): 0.09 Nm

M(90°): 0.07 Nm

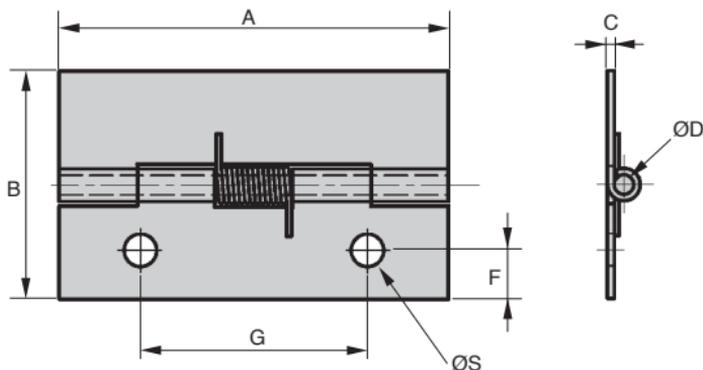
M(180°): 0.045 Nm

- Closing spring torque:

M(0°): 0.045 Nm

M(90°): 0.07 Nm

M(180°): 0.09 Nm



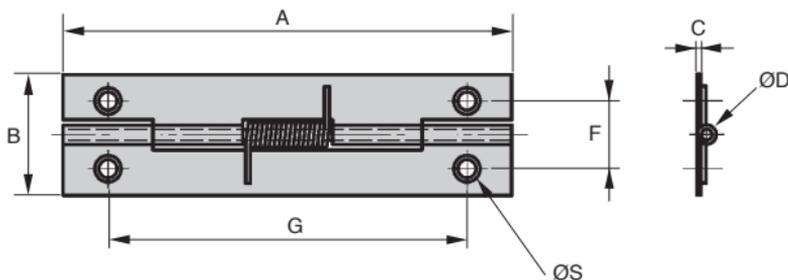
### DISCOUNTS

Qty	1+	6+	20+	50+
Disc.	List	-5%	-10%	On request

Part number	A	B	C	ØD	F	G	ØS	Spring	Weight (g)	Stock*	Price each 1 to 5
CHAR6035	60	35	1	3	7,5	35	5	Opening	22	✓	17,89 €
CHAR6035-F	60	35	1	3	7,5	35	5	Closing	22	✓	13,33 €

\*Depending on availability - Dimensions in mm

- Hinge with opening spring
- Sheet metal with rolled knot
- Materials:
  - CHAR hinges:** steel, spring :stainless steel
  - CHAR/SS hinges:** stainless steel 304: spring stainless steel
- Finish: natural
- Spring torque
  - M(0°): 0.12 Nm
  - M(90°): 0.09 Nm
  - M(180°): 0.06 Nm



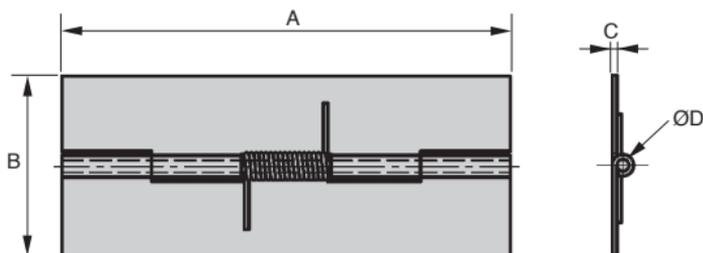
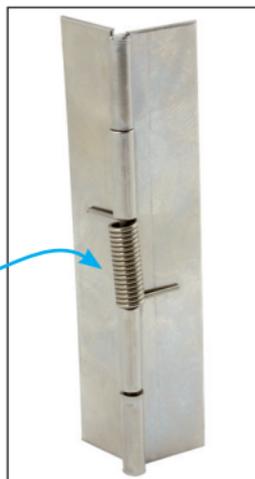
### DISCOUNTS

Qty	1+	6+	20+	50+
Disc. List	-5%	-10%	On request	

Part number	A	B	C	ØD	F	G	ØS	Spring	Weight (g)	Price each
<b>Steel</b>										
CHAR7520	75	20	0,8	1,8	11,2	60	2	Opening	11,5	9,45 €
<b>Stainless steel</b>										
CHAR7520/SS	75	20	0,8	1,8	11,2	60	2	Opening	11,5	13,09 €

\*Depending on availability - Dimensions in mm

- Hinge with opening spring
- Sheet metal with rolled knot
- Materials:
  - CHAR hinges:** steel, stainless steel spring
  - CHAR/SS hinges:** stainless steel 304, stainless steel spring
- Finish: natural
- Spring torque
  - M(0°): 0.12 Nm
  - M(90°): 0.095 Nm
  - M(180°): 0.07 Nm



### DISCOUNTS

Qty	1+	6+	20+	50+
Disc.	List	-5%	-10%	On request

Part number	A	B	C	ØD	Spring	Weight (g)	Stock*	Price each 1 to 5
<b>Steel</b>								
CHAR7530	75	30	0,8	2	Opening	17	-	14,36 €
<b>Stainless steel</b>								
CHAR7530/SS	75	30	0,8	2	Opening	17	✓	26,20 €

\*Depending on availability - Dimensions in mm

**- Hinge with opening or closing spring**

- Sheet metal with rolled knot

- Materials:

**CHAR hinges:** steel, spring :stainless steel

**CHAR/SS:** Hinges: stainless steel 304 ,

spring : stainless steel

- Finish: natural

- Opening spring torque:

M(0°) : 0.9 Nm

M(90°) : 0.86 Nm

M(180°) : 0.6 Nm

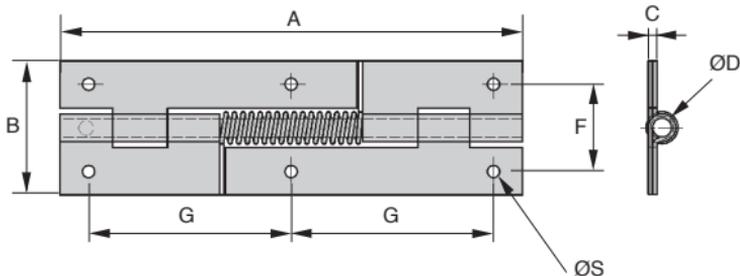
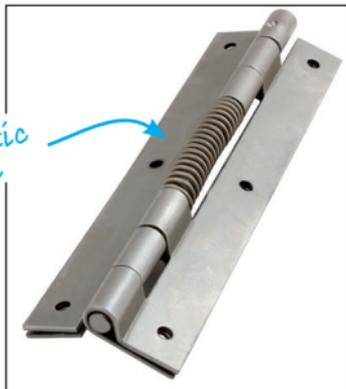
- Closing spring torque:

M(0°) : 0.6 Nm

M(90°) : 0.86 Nm

M(180°) : 0.9 Nm

Automatic return



### DISCOUNTS

Qty	1+	6+	20+	50+
Disc. List	-5%	-10%	On request	

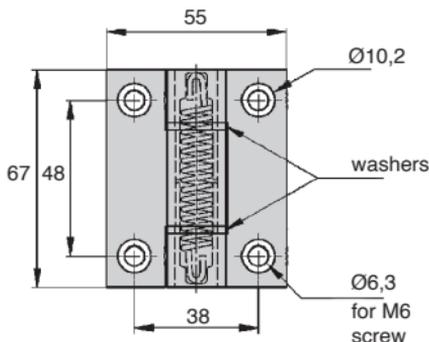
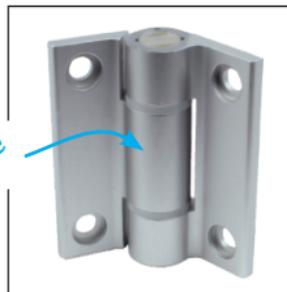
Part number	A	B	C	ØD	F	G	ØS	Spring	Weight (g)	Price each	
										Stock*	1 to 5
<b>Steel</b>											
CHAR16046	160	46	3	6,5	30	70	4,2	Opening	208	✓	36,98 €
CHAR16046-F	160	46	3	6,5	30	70	4,2	Closing	208	✓	28,22 €
<b>Stainless steel</b>											
CHAR16046/SS	160	46	3	6,5	30	70	4,2	Opening	208	✓	33,26 €

\*Depending on availability - Dimensions in mm

### - Hinge with concealed mechanism

- Automatic opening or closing of a door or panel
- Resists humidity
- Elegant design
- Low play
- Max opening angle 180°
- Working temp range: -20° to 80 °C
- Fixed using DIN912 screws (not supplied)
- Materials:
  - Black or natural finish aluminium
  - Centre: PA6.6 polyamide
  - Washer: POM
  - Spring: steel
- 0.35 Nm version is guaranteed for 30,000 operations
- 1.30 Nm version is guaranteed for 10,000 operations

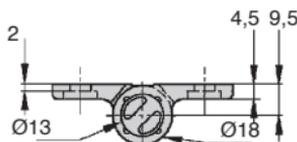
Automatic return



### Applications

- Opening doors or covers
- Industrial machines
- Metallic furniture
- Medical equipment

Available in black



### DISCOUNTS

Qty	1+	6+	20+	50+
Disc.	List	-5%	-10%	On request

Part number	Torque (Nm)			Spring	Colour	Weight (g)	Stock*	Price each 1 to 5
	at 0°	at 90°	at 180°					
CHAR6755-L-AG	0,35	0,24	0,12	opening	natural	110	✓	29,33 €
CHAR6755-L-AN	0,35	0,24	0,12	opening	black	110	-	29,33 €
CHAR6755-H-AG	1,3	1,1	0,9	opening	natural	110	✓	31,88 €
CHAR6755-H-AN	1,3	1,1	0,9	opening	black	110	4	31,88 €
CHAR6755-H-AG-F	1,3	1,1	0,9	closing	natural	110	✓	37,36 €
CHAR6755-H-AN-F	1,3	1,1	0,9	closing	black	110	-	37,36 €

\*Depending on availability - Dimensions in mm

Very easy to install

CHARCAV

- Spring-loaded hinges with stopper to lock the hinges in the open position for easy assembly

- 270° opening angle

- Material

304 stainless steel, stainless steel spring

- Spring torque

Opening spring:

M(0°): 1.6 Nm

M(90°): 1.2 Nm

M(180°): 0.84 Nm

Closing spring:

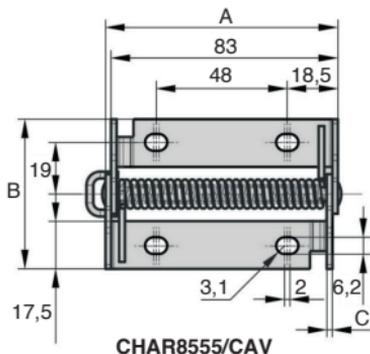
M(0°): 0.75 Nm

M(90°): 1.2 Nm

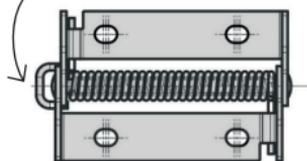
M(180°): 1.65 Nm

## Info

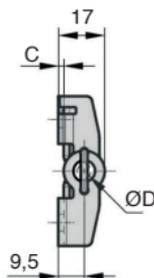
- Spring hinge opens or closes delivered flat



Remove stopper after assembly



CHAR8555-F/CAV



## DISCOUNTS

Qty	1+	6+	20+	50+
Disc.	List	-5%	-10%	On request

Part number	A	B	C	ØD	Type	Weight (g)	Stock*	Price each 1 to 5
CHAR8555/CAV	85	55	2	5	opening	107	✓	23,80 €
CHAR8555-F/CAV	85	55	2	5	closing	107	✓	23,80 €

\* Depending on availability - Dimensions in mm