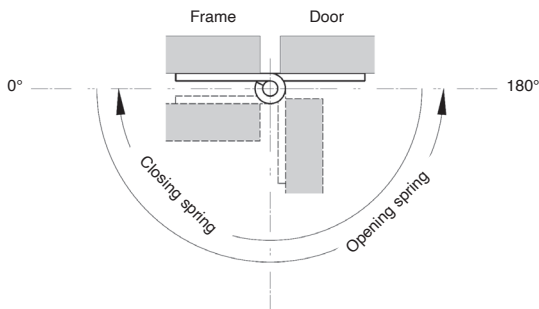


# Spring hinges

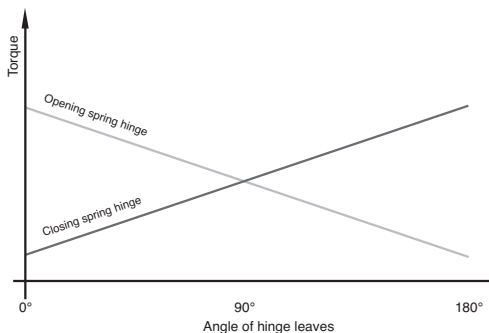
CHAR

Information

**The way a spring hinge opens depends on the type of spring**



**Spring hinge torque depends on the angle**



*M: hinge torque at various positions*

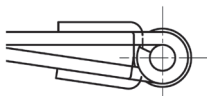
*M(0°): torque when hinge leaves are parallel*

*M(90°): torque when leaves are at 90°*

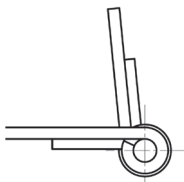
*M(180°): torque when leaves are at 180°*

### **Spring hinges are delivered as shown**

When delivered, hinges will be in the following position:

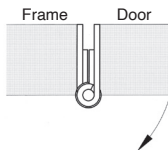


Closing spring hinge

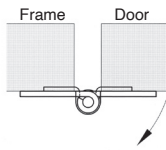


Opening spring hinge

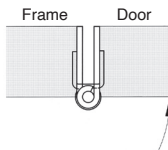
### **Mounting and opening direction**



Opening spring hinge

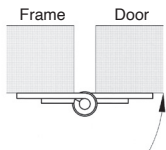


Closing spring hinge



Closing spring hinge

Concealed mounting



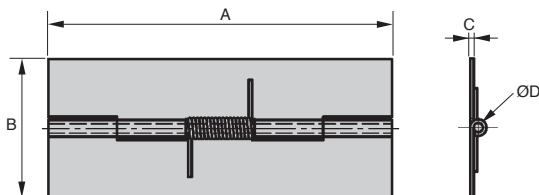
Opening spring hinge

Surface mounting

*The arrow indicates the direction of rotation of the hinge due to the effect of the spring*

- 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

Available  
in steel or  
stainless  
steel



### 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         | -      | 12,95 €           |
| <b>Stainless steel</b> |    |    |     |    |         |            |        |                   |
| CHAR7530/SS            | 75 | 30 | 0,8 | 2  | Opening | 17         | ✓      | 23,13 €           |

\*Depending on availability - Dimensions in mm

**- Hinge with opening or closing spring**

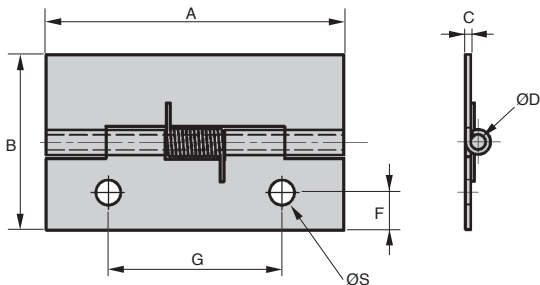
- Sheet metal with rolled knot

**- Materials:**

Hinges: steel

Spring: stainless steel 304

Finish: natural

**- Opening spring torque:** $M(0^\circ)$ : 0.09 Nm $M(90^\circ)$ : 0.07 Nm $M(180^\circ)$ : 0.045 Nm**- Closing spring torque:** $M(0^\circ)$ : 0.045 Nm $M(90^\circ)$ : 0.07 Nm $M(180^\circ)$ : 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         | ✓      | 17,54 €           |
| CHAR6035-F  | 60 | 35 | 1 | 3  | 7,5 | 35 | 5  | Closing | 22         | -      | 13,07 €           |

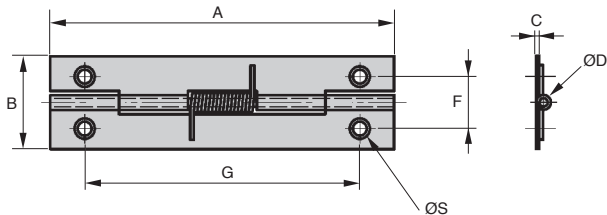
\*Depending on availability - Dimensions in mm

## CHAR

## Automatic return

- 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

Available  
in steel or  
stainless  
steel



### 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 1 to 5 |
|------------------------|----|----|-----|-----|------|----|----|---------|------------|-------------------|
| <b>Steel</b>           |    |    |     |     |      |    |    |         |            |                   |
| CHAR7520               | 75 | 20 | 0,8 | 1,8 | 11,2 | 60 | 2  | Opening | 11,5       | 9,26 €            |
| <b>Stainless steel</b> |    |    |     |     |      |    |    |         |            |                   |
| CHAR7520/SS            | 75 | 20 | 0,8 | 1,8 | 11,2 | 60 | 2  | Opening | 11,5       | 12,83 €           |

\*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:

$M(0^\circ)$  : 0.9 Nm

$M(90^\circ)$  : 0.86 Nm

$M(180^\circ)$  : 0.6 Nm

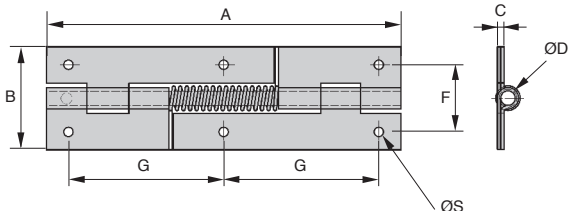
- Closing spring torque:

$M(0^\circ)$  : 0.6 Nm

$M(90^\circ)$  : 0.86 Nm

$M(180^\circ)$  : 0.9 Nm

Available  
in steel or  
stainless  
steel



### 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 |
|------------------------|-----|----|---|-----|----|----|-----|---------|------------|--------|-------------------|
| <b>Steel</b>           |     |    |   |     |    |    |     |         |            |        |                   |
| CHAR16046              | 160 | 46 | 3 | 6,5 | 30 | 70 | 4,2 | Opening | 208        | ✓      | 27,66 €           |
| CHAR16046-F            | 160 | 46 | 3 | 6,5 | 30 | 70 | 4,2 | Closing | 208        | ✓      | 27,66 €           |
| <b>Stainless steel</b> |     |    |   |     |    |    |     |         |            |        |                   |
| CHAR16046/SS           | 160 | 46 | 3 | 6,5 | 30 | 70 | 4,2 | Opening | 208        | ✓      | 32,60 €           |

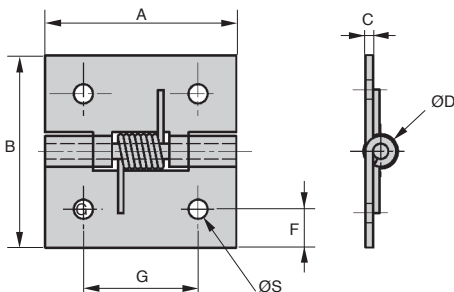
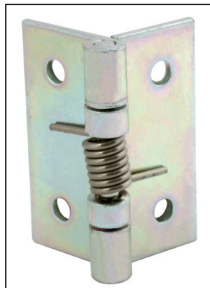
\*Depending on availability - Dimensions in mm

## CHAR

## Automatic return

- 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

Available  
in steel or  
stainless  
steel



### 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 1 to 5 |
|------------------------|----|----|---|----|----|----|----|---------|------------|-------------------|
| <b>Steel</b>           |    |    |   |    |    |    |    |         |            |                   |
| CHAR5050/Z             | 50 | 50 | 2 | 4  | 9  | 30 | 5  | Opening | 50         | ✓ 10,31 €         |
| CHAR5050-F/Z           | 50 | 50 | 2 | 4  | 9  | 30 | 5  | Closing | 50         | ✓ 10,79 €         |
| <b>Stainless steel</b> |    |    |   |    |    |    |    |         |            |                   |
| CHAR5050/SS            | 50 | 50 | 2 | 4  | 10 | 30 | 5  | Opening | 50         | ✓ 16,11 €         |
| CHAR5050-F/SS          | 50 | 50 | 2 | 4  | 10 | 30 | 5  | Closing | 50         | ✓ 18,53 €         |

\*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

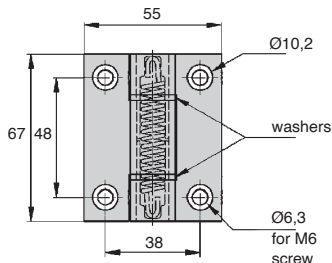
Washer: POM

Spring: steel

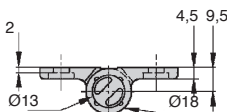
- 0.35 Nm version is guaranteed for 30,000 operations
- 1.30 Nm version is guaranteed for 10,000 operations

### 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        | ✓      | 28,75 €           |
| CHAR6755-L-AN   | 0,35        | 0,24   | 0,12    | opening | black   | 110        | -      | 28,75 €           |
| CHAR6755-H-AG   | 1,3         | 1,1    | 0,9     | opening | natural | 110        | ✓      | 31,25 €           |
| CHAR6755-H-AN   | 1,3         | 1,1    | 0,9     | opening | black   | 110        | -      | 31,25 €           |
| CHAR6755-H-AG-F | 1,3         | 1,1    | 0,9     | closing | natural | 110        | ✓      | 36,62 €           |
| CHAR6755-H-AN-F | 1,3         | 1,1    | 0,9     | closing | black   | 110        | -      | 36,62 €           |

\*Depending on availability - Dimensions in mm



# Stainless steel compact spring hinge Sta

## CHARCAV

## Very easy to install

- 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

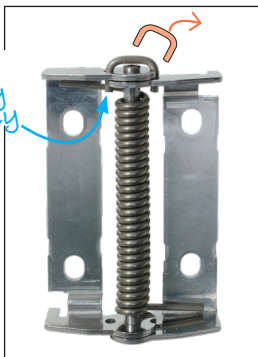
Closing spring:

M(0°): 0.75 Nm

M(90°): 1.2 Nm

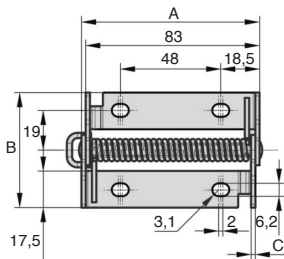
M(180°): 1.65 Nm

stopper for easy assembly

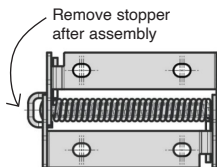


### Info

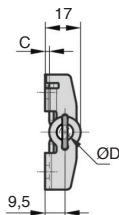
- Spring hinge opens or closes delivered flat



CHAR8555/CAV



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        | -      | 23,33 €           |
| CHAR8555-F/CAV | 85 | 55 | 2 | 5  | closing | 107        | -      | 23,33 €           |

\*Depending on availability - Dimensions in mm