4-249 Hinge Pr01 180°
for nested door

Small elegant hinge.
- 180° Opening.
- Adjustments are possible with respective bores provided.
- The nut plate can be mounted in different ways, according to the application.

Material:
- **Hinge Parts:**
  zinc die, matt chrome plated, or zinc die, matt black.
- **Pin:**
  stainless steel
- **Nut plate:**
  steel, zinc plated

<table>
<thead>
<tr>
<th>Version</th>
<th>zinc die, matt chrome plated</th>
<th>zinc die, matt black</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>180° hinge</td>
<td>218-9502</td>
<td>218-9501</td>
<td></td>
</tr>
<tr>
<td>Countersunk screws are not included!</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Please order nut plate separately:</td>
<td></td>
<td></td>
<td>218-0907.15-00000</td>
</tr>
<tr>
<td>Further types with D-SNAP fastening</td>
<td></td>
<td></td>
<td>01.49</td>
</tr>
</tbody>
</table>

Cutout incl. paint

<table>
<thead>
<tr>
<th>Cutout for adjustment of height and width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø6.5 (0.256)</td>
</tr>
</tbody>
</table>

Example of application

<table>
<thead>
<tr>
<th>teeth to increasing friction</th>
</tr>
</thead>
</table>

Version

Zinc die, matt chrome plated

Zinc die, matt black
4-250 Hinge Pr01 180°
for nested door

Screw-on Hinge with or without grounding/earthing device.
- RH or LH application.
- Opening Angle min. 180°; with version b) 270°

Material:
- **Hinge Parts:**
  - zinc die, black or chrome plated
- **Pivot pin and molded in screws:**
  - stainless steel to a1)
- **Pin:**
  - steel, zinc plated
- **Grounding/earthing washer:**
  - steel, zinc plated
- **Spring:**
  - spring steel

**Version**
- chrome plated | black | see page
  - a) Hinge with screws M5 molded in 218-9001 218-9002
  - a1) as a), but grounding/earthing version - 218-9402
  - b) Hinge with countersunk holes for M5 218-9003 218-9004
  - Grounding/earthing washer for a1), 4 pieces 861-0176.07-00005 861-0176.07-00005

Combination of versions a) and b) on request.

Version b) in stainless steel 10.46

Countersunk machine screws zinc plated 09.5
Screw-on Hinge with or without grounding/earthing device.
- RH or LH application.
- Opening Angle min. 180°, with version b) 270°

**Material:**
- **Hinge Parts:**
  - zinc die, black or chrome plated
- **Pivot pin and molded in screws:**
  - stainless steel to a1)
- **Pin:**
  - steel, zinc plated
- **Grounding/earthing washer:**
  - steel, zinc plated
- **Spring:**
  - spring steel

**Version chrome plated black**

<table>
<thead>
<tr>
<th>Version</th>
<th>218-9101</th>
<th>218-9102</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Hinge with screws M6 molded in</td>
<td>218-9101</td>
<td>218-9102</td>
</tr>
<tr>
<td>a1) as a), but grounding/earthing version</td>
<td>-</td>
<td>218-9412</td>
</tr>
<tr>
<td>b) with countersunk holes for M6</td>
<td>218-9103</td>
<td>218-9104</td>
</tr>
<tr>
<td>Grounding/earthing washer for a1), 4 pieces</td>
<td>800-0411</td>
<td>800-0411</td>
</tr>
</tbody>
</table>

Combinations of version a) and b) on request.

<table>
<thead>
<tr>
<th>Version</th>
<th>10.46</th>
</tr>
</thead>
<tbody>
<tr>
<td>Version b) in stainless steel</td>
<td></td>
</tr>
<tr>
<td>Countersunk machine screws zinc plated</td>
<td>09.5</td>
</tr>
</tbody>
</table>
4-264 Hinge Pr01 270°

for nested door

Screw-on hinge
• RH or LH application.
• Opening Angle 270°

Material:
• a) and b)
• Hinge Parts:
  zinc die, black or chrome plated
• Pin:
  stainless steel

countersunk screws M6x16
DIN 963 moulded in

Material:
• a) and b)
• Hinge Parts:
  zinc die, black or chrome plated
• Pin:
  stainless steel

countersunk screws M6x16
DIN 963 moulded in

Material:
• a) and b)
• Hinge Parts:
  zinc die, black or chrome plated
• Pin:
  stainless steel

countersunk screws M6x16
DIN 963 moulded in

Version |
--- |
<table>
<thead>
<tr>
<th>zinc die, chrome plated</th>
<th>zinc die, black</th>
<th>see page</th>
</tr>
</thead>
</table>
a) Hinge with molded in countersunk screws | 218-9124 | 218-9125 |
b) with countersunk holes for M6 | 218-9109 | 218-9110 |
to b) countersunk machine screws | 218-9109 | 218-9110 |
Version b) in stainless steel | 09.5 | 10.47 |
4-262 Hinge Pr01 270°
for nested door

Screw-on hinge
• RH or LH application.
• Allowing application around corner.
• Combination of versions a) and b) on request.

Material:
• Hinge Parts:
  zinc die, black or chrome plated
• Pivot pin and molded in screws:
  stainless steel

Opening angle 270°
for corner application.

Version chrome plated black see page
a) Hinge with screws M6 molded in 218-9105 218-9106
b) Hinge with countersunk holes for M6 218-9107 218-9108
Countersunk machine screws zinc plated 09.5
Version b) in stainless steel 10.47
4-270 Hinge Pr01 270°

for nested door

Screw-on Hinge with or without grounding/earthing device.
- RH or LH application.
- Opening Angle min. 180°, with version b) 270°
- Combination of versions a) and b) on request.

Material:
- **Hinge Parts:**
  - zinc die, black or chrome plated
- **Pivot pin and molded in screws:**
  - stainless steel to a1)
- **Pin:**
  - steel, zinc plated
- **Grounding/earthing washer:**
  - steel, zinc plated
- **Spring:**
  - spring steel

<table>
<thead>
<tr>
<th>Version</th>
<th>chrome plated</th>
<th>black</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Hinge with screws M8 molded in</td>
<td>218-9201</td>
<td>218-9202</td>
<td></td>
</tr>
<tr>
<td>a1) with screws M8 molded in, but grounding / earthing version</td>
<td>-</td>
<td>218-9422</td>
<td></td>
</tr>
<tr>
<td>b) with countersunk holes for M8</td>
<td>218-9203</td>
<td>218-9204</td>
<td></td>
</tr>
<tr>
<td>Grounding/earthing washer for a1), 4 pieces</td>
<td>861-0146.07-00008</td>
<td>861-0146.07-00008</td>
<td></td>
</tr>
</tbody>
</table>

Version b) in stainless steel
Countersunk machine screws zinc plated

09.5
4-272 Hinge Pr01 270°

for nested door

Screw-on hinge
• RH or LH application.
• Opening Angle 270°
• Allowing application around corner.
• Combination of versions on request.

Material:
• Hinge Parts:
  zinc die, black or chrome plated
• Pin:
  stainless steel

<table>
<thead>
<tr>
<th>Version</th>
<th>chrome plated</th>
<th>black</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Hinge with 4 countersunk holes for screws M6</td>
<td>218-9205</td>
<td>218-9206</td>
<td></td>
</tr>
<tr>
<td>b) for countersunk screws M6 with 6 countersunk holes</td>
<td>218-9207</td>
<td>218-9208</td>
<td></td>
</tr>
</tbody>
</table>

Countersunk machine screws zinc plated

09.5
4-274 Hinge Pr01 270°

for nested door

270° Screw-on hinge
• RH or LH application.
• Opening angle 270°.

Material:
a) and b)
• Hinge Parts:
  zinc die, chrome plated or black coated
• Pin:
  stainless steel

Material:
a) and b)
• Hinge Parts:
  zinc die, chrome plated or black coated

Version	| zinc die, chrome plated | zinc die, black coated | see page
---|---|---|---
a) with different hinge half lengths	| 218-9209 | 218-9210 | see page
The short hinge half length is also available with countersunk holes.

b) with identical hinge half lengths	| 218-9211 | 218-9212 | see page
4-275 Hinge Pr01 270°
for nested door

270° Screw-on hinge
• RH or LH application.
• Opening angle 270°.
*The back of the hinge at the marked locations has prepared holes which can easily be drilled to create additional installation holes.

Material:
- Hinge Parts:
  - zinc die, black or chrome plated
- Pin:
  - stainless steel

<table>
<thead>
<tr>
<th>Version</th>
<th>zinc die, chrome plated</th>
<th>zinc die, black</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) with different hinge half lengths</td>
<td>218-9216</td>
<td>218-9218</td>
</tr>
<tr>
<td>b) with identical hinge half lengths</td>
<td>218-9217</td>
<td>218-9219</td>
</tr>
</tbody>
</table>
4-247 Hinge Pr01 180°

for nested door

Screw-on Hinges for aluminium profiles, lift-off.

- These hinges allow the linking of different profile widths. Parallel and perpendicular mounting of profiles is possible.
- The DIRAK tenon blocks fit into the recess at the back of the hinges and combine positioning, fastening and anti-rotation features.
- For application with non DIRAK tenon blocks or on flat surfaces (e.g. sheet metal, glass), the corresponding fastening blocks are available with a safety device preventing rotation.

### Material:
- **Hinge Parts:** zinc die, black or chrome plated
- **Pin:** stainless steel
- **Tenon blocks and fastening blocks:** zinc die, untreated

### Version groove width in profile | Tenon blocks | Fastening / Positioning blocks* | see page
---|---|---|---
(max. door thickness 3.2mm) 8mm | 265-1001 | 265-1101 |
(max. door thickness 3.2mm) 10mm | 265-1002 | 265-1102 |
for application on flat surfaces 10mm | 265-1103 |

* for application with non DIRAK tenon blocks

### Version Part numbers for profile width PB

<table>
<thead>
<tr>
<th>Version</th>
<th>30</th>
<th>35</th>
<th>40</th>
<th>45</th>
<th>50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface chrome plated, door version RH</td>
<td>265-9001</td>
<td>265-9101</td>
<td>265-9201</td>
<td>265-9301</td>
<td>265-9401</td>
</tr>
<tr>
<td>Surface chrome plated, door version LH</td>
<td>265-9003</td>
<td>265-9103</td>
<td>265-9203</td>
<td>265-9303</td>
<td>265-9403</td>
</tr>
<tr>
<td>Surface black, door version RH</td>
<td>265-9002</td>
<td>265-9102</td>
<td>265-9202</td>
<td>265-9302</td>
<td>265-9402</td>
</tr>
<tr>
<td>Surface black, door version LH</td>
<td>265-9004</td>
<td>265-9104</td>
<td>265-9204</td>
<td>265-9304</td>
<td>265-9404</td>
</tr>
</tbody>
</table>

### Version RH

<table>
<thead>
<tr>
<th>PB</th>
<th>Dimension C</th>
<th>hinge part, chrome plated</th>
<th>hinge part, black coated</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>with pin / b</td>
<td>a)</td>
<td>with pin / b</td>
</tr>
<tr>
<td>30</td>
<td>16,5</td>
<td>265-0101.01</td>
<td>265-0102</td>
</tr>
<tr>
<td>35</td>
<td>19</td>
<td>265-0201.01</td>
<td>265-0202</td>
</tr>
<tr>
<td>40</td>
<td>21,5</td>
<td>265-0301.01</td>
<td>265-0302</td>
</tr>
<tr>
<td>45</td>
<td>24</td>
<td>265-0401.01</td>
<td>265-0402</td>
</tr>
<tr>
<td>50</td>
<td>26,5</td>
<td>265-0501.01</td>
<td>265-0502</td>
</tr>
</tbody>
</table>

### Version LH

<table>
<thead>
<tr>
<th>PB</th>
<th>Dimension C</th>
<th>hinge part, chrome plated</th>
<th>hinge part, black coated</th>
</tr>
</thead>
<tbody>
<tr>
<td>a1)</td>
<td>with pin / b1)</td>
<td>a1)</td>
<td>with pin / b1)</td>
</tr>
<tr>
<td>30</td>
<td>16,5</td>
<td>265-0102.01</td>
<td>265-0102</td>
</tr>
<tr>
<td>35</td>
<td>19</td>
<td>265-0202.01</td>
<td>265-0202</td>
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<tr>
<td>40</td>
<td>21,5</td>
<td>265-0302.01</td>
<td>265-0302</td>
</tr>
<tr>
<td>45</td>
<td>24</td>
<td>265-0402.01</td>
<td>265-0402</td>
</tr>
<tr>
<td>50</td>
<td>26,5</td>
<td>265-0502.01</td>
<td>265-0502</td>
</tr>
</tbody>
</table>
4-247 Hinge Pr01 180°

for nested door

Example of perpendicular arrangement of the profiles

Example of combining different profile widths

View of the hinge back

recess for tenon blocks or fastening blocks

2 holes for standard dowel pins against rotation

Tenon blocks
for positioning and fastening

Fastening/Positioning blocks
for application with non DIRAK tenon blocks on flat surfaces (without grooves)
4-248 Hinge Pr01 180°
for nested door

The Screw-on Hinges see page 06.19 can also be installed on non-profile (e.g. sheet metal) door/frame constructions.
- On this page we show the possible cutouts.
- Alternatively the cutouts can be horizontal or vertical or a combination of both.
- Extended cutouts allow horizontal or vertical adjustability!

Material:
see page 06.18 und 06.19

Material:
see page 06.18 und 06.19

a) Hinge / hinge parts

<table>
<thead>
<tr>
<th>Part No.</th>
<th>see page</th>
<th>grove width in profile</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Hinge / hinge parts</td>
<td>06.18</td>
<td></td>
</tr>
<tr>
<td>b) Tenon block (max. door thickness 3.2mm)</td>
<td>265-1001</td>
<td>8mm</td>
</tr>
<tr>
<td>c) Tenon block (max. door thickness 3.2mm)</td>
<td>265-1002</td>
<td>10mm</td>
</tr>
<tr>
<td>d) Fastening block</td>
<td>265-1101</td>
<td>8mm</td>
</tr>
<tr>
<td>e) Fastening block</td>
<td>265-1102</td>
<td>10mm</td>
</tr>
<tr>
<td>f) Fastening for application on flat surfaces</td>
<td>265-1103</td>
<td></td>
</tr>
</tbody>
</table>

Other dimensions

Countersunk machine screws zinc plated, washer and nut

09.5
4-345 Hinge Pr01/04 180°

for nested or surface mounted door

Elegant Screw-on Hinge for nested/flush constructions.
- Lift-off.
- The installation screws are concealed.
- Although designed initially for flush constructions, this hinge can also be used for surface mounted doors (refer to RH example of application).
- Attention: In this case the opening angle is only about 130°.
- Due to the endless number of different applications with often extremely limited fitting space (e.g. LH example of application) we do not include any screws for this hinge.

• See page 06.22

Material:
- **Hinge:** zinc die, chrome plated or black coated
- **Spacer** Teflon, black or white

**Examples of application**

<table>
<thead>
<tr>
<th>Version</th>
<th>chrome plated RH</th>
<th>chrome plated LH</th>
<th>black RH</th>
<th>black LH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw-on hinge</td>
<td>217-9505</td>
<td>217-9506</td>
<td>217-9503</td>
<td>217-9504</td>
</tr>
</tbody>
</table>
4-346 Hinge Pr01 160°

Lift-off, nested door

Elegant Screw-on Hinge for nested/flush constructions.
- Opening angle 160°.
- The fitting screws are concealed.
- see page 06.21
- The 35mm screw-distance allows for easier fitting.

Material:
- **Hinge Parts:**
  - zinc die, chrome plated or black coated
  - Pin:
  - stainless steel
  - **Bearing washer:**
  - Teflon, black or white

<table>
<thead>
<tr>
<th>Version</th>
<th>chrome plated RH</th>
<th>chrome plated LH</th>
<th>black RH</th>
<th>black LH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw-on hinge</td>
<td>217-9507</td>
<td>217-9508</td>
<td>217-9509</td>
<td>217-9510</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4 screws M5x8 with under head serrations and a Teflon bearing washer are included.
Screw-on Hinge, Mini.
• Door is lift-off.
• Pin molded into frame part.

Material:
• Frame part and Door part: zinc die, black
• Pin: stainless steel

4-348 Hinge Pr01/04 180°
for nested or surface mounted door

<table>
<thead>
<tr>
<th>Version</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LH</td>
<td>250-9106</td>
</tr>
<tr>
<td>RH (as drawn)</td>
<td>250-9107</td>
</tr>
</tbody>
</table>
4-194 Hinge Pr01 180°
for nested door construction.

Material:
• Hinge parts: steel, zinc plated
• Washers: brass, nickel plated
• Stud, nuts and serrated washers: steel, zinc plated
• Pivot: steel, nickel plated

Examples of application

<table>
<thead>
<tr>
<th>Dimension L</th>
<th>Dimension A</th>
<th>Part No.</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>45</td>
<td>30</td>
<td>219-9003</td>
</tr>
<tr>
<td>b)</td>
<td>53</td>
<td>38</td>
<td>219-9004</td>
</tr>
</tbody>
</table>

M6 stud, 3 nuts and serrated washers are included.

Stainless steel version 10.43

c) i.e. Clip-on Profiles 219-9004 07.19
d) i.e. Clip-on Profiles 209-0202 07.20

Screw-on Hinge for flush door construction.
4-225 Hinge Pr01 180°

for nested door

Screw-on / Weld-on Hinge.

Material:

- Hinge Parts:
  - steel, zinc plated
- (not drawn) Hinge-middlepart:
  - steel, untreated
- Hinge-endparts
  - steel, zinc plated
- Washer:
  - brass, nickel plated
- Pivot:
  - steel, nickel plated

Version | Part No.
---------|---------
- a) Middle part long, with two holes Ø8.4 mm / 0.331 | 219-9109
- b) Middle part short, with one hole Ø8.4 mm / 0.331 | 219-9113
- c) Middle part short, without holes (Weld-on) | 219-9114
4-230 Hinge Pr01 180°
for nested door

Screw-on Hinge for flush door construction.

Material:
- **Hinge parts:**
  - steel, zinc plated
- **Washers:**
  - brass, nickel plated
- **Stud, nuts and serrated washers:**
  - steel, zinc plated
- **Pivot:**
  - steel, nickel plated

**Example of application:**

<table>
<thead>
<tr>
<th>Dimension L</th>
<th>Dimension A</th>
<th>Part No.</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) 50</td>
<td>29</td>
<td>219-9102</td>
<td></td>
</tr>
<tr>
<td>61</td>
<td>40</td>
<td>219-9103</td>
<td></td>
</tr>
</tbody>
</table>

M8 stud, 3 nuts and serrated washers are included.

Stainless steel version

b) i.e. Sealing Profiles

<table>
<thead>
<tr>
<th>Part No.</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>209-0122</td>
<td>07.8</td>
</tr>
<tr>
<td>10.44</td>
<td></td>
</tr>
</tbody>
</table>
4-240 Hinge Pr01 180°

for nested door

Hinge for flush door construction.
• RH or LH application.

Material:
• Hinge: zinc die, black
• Pin and washer: stainless steel

Hinge 219-9104
4-330 Hinge Pr01 180°

for nested door

180° Hinge with PA bushings.
- Opening angle max. 180°.

Material:
- Hinge Parts:
  zinc die, black or chrome plated
- Pin:
  stainless steel or steel, zinc plated
- Bushings:
  PA, natural

Examples of application

<table>
<thead>
<tr>
<th>Version</th>
<th>standard frame part chrome plated</th>
<th>standard frame part black</th>
<th>raised frame part chrome plated</th>
<th>raised frame part black</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hinge with PA bushings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Countersunk machine screws, zinc plated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>09.5</td>
</tr>
</tbody>
</table>

a) i.e. Clip-on Profiles

<table>
<thead>
<tr>
<th>Version</th>
<th>standard frame part chrome plated</th>
<th>standard frame part black</th>
<th>raised frame part chrome plated</th>
<th>raised frame part black</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>209-0201</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>07.19</td>
</tr>
</tbody>
</table>

06.28
4-340 Hinge Pr01 180°

for nested door

180° Hinge with PA bushings.
• Opening angle 180°.

Material:
• Hinge Parts:
zinc die, black or chrome plated
• Pin:
stainless steel or steel, zinc plated
• Bushings:
PA, natural

Example of application

<table>
<thead>
<tr>
<th>Version</th>
<th>standard frame part chrome plated</th>
<th>standard frame part black</th>
<th>raised frame part chrome plated</th>
<th>raised frame part black</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hinge with PA bushings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>217-9111 217-9105 217-9118 217-9107</td>
</tr>
<tr>
<td>Countersunk machine screws zinc plated</td>
<td>09.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4-355 Hinge Pr01 180°
for nested door

Screw-on Hinge for flush doors, with PA bushings.
• RH or LH application.

Material:
• Frame part: zinc die, zinc plated
• Door part: steel, zinc plated
• Pin: steel, zinc plated
• Bushings: PA, natural

Example of application

Tapping screw 4.8 DIN 7982
Countersunk screw M5 with nut

<table>
<thead>
<tr>
<th>Part No.</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>217-9501</td>
<td>09.5</td>
</tr>
</tbody>
</table>

06.30
4-278 Hinge Pr01 270°
for nested door

Screw-on hinge
- Opening Angle 270°
- As an alternative please refer to the stainless steel version on page 10.50.

**Material:**
- A), A1) and B)
- **Hinge Parts:**
  - steel, zinc plated or black coated (C) and C1)
- **Hinge complete:**
  - steel, chrome plated or dull brass plated

### Part No.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A) Hinge, steel, zinc plated</td>
<td>267-9003</td>
</tr>
<tr>
<td>A1) Hinge, steel, black coated</td>
<td>267-9006</td>
</tr>
<tr>
<td>B) Hinge, as A, but with shortened shank</td>
<td>267-9004</td>
</tr>
<tr>
<td>C) Hinge, steel, chrome plated</td>
<td>267-9701</td>
</tr>
<tr>
<td>C1) Hinge, steel, dull brass plated</td>
<td>267-9702</td>
</tr>
</tbody>
</table>
4-315 Hinge Pr01/02 180°

for nested door

Weld-on Hinge for Heavy Duty applications, made from forged profile steel.

Material:
- Hinge: steel

<table>
<thead>
<tr>
<th>Height H</th>
<th>Length L</th>
<th>ØKnurl D</th>
<th>ØPin d</th>
<th>Thickness S</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 / 1.575</td>
<td>60 / 2.362</td>
<td>12 / 0.472</td>
<td>6 / 0.236</td>
<td>5 / 0.197</td>
<td>233-9101</td>
</tr>
<tr>
<td>40 / 1.575</td>
<td>100 / 3.937</td>
<td>12</td>
<td>6</td>
<td>5</td>
<td>233-9102</td>
</tr>
<tr>
<td>50 / 1.969</td>
<td>60 / 2.362</td>
<td>12</td>
<td>6</td>
<td>5</td>
<td>233-9103</td>
</tr>
<tr>
<td>50 / 1.969</td>
<td>100 / 3.937</td>
<td>12</td>
<td>6</td>
<td>5</td>
<td>233-9104</td>
</tr>
<tr>
<td>50 / 1.969</td>
<td>80 / 3.150</td>
<td>15 / 0.591</td>
<td>8 / 0.315</td>
<td>6 / 0.236</td>
<td>233-9201</td>
</tr>
<tr>
<td>60 / 2.362</td>
<td>60 / 2.362</td>
<td>15</td>
<td>8</td>
<td>6</td>
<td>233-9202*</td>
</tr>
<tr>
<td>80 / 3.150</td>
<td>80 / 3.150</td>
<td>15</td>
<td>8</td>
<td>6</td>
<td>233-9203*</td>
</tr>
<tr>
<td>80 / 3.150</td>
<td>100 / 3.937</td>
<td>15</td>
<td>8</td>
<td>6</td>
<td>233-9204*</td>
</tr>
</tbody>
</table>

* Pin Ø 8mm with lubricating nipple available on request.

Other dimensions or special shapes on request.
4-271 Hinge Pr01 270°, adjustable
for nested door

2D screw hinge for RH or LH application.
• Opening angle 270°.
• The teeth on the adjusting bushings and in the oblong holes of the hinge-bodies prevent slipping of the hinge.
• In contrast with conventional oblong holes, the countersunk heads of the screws have full contact with the adjusting bushings.
• These bushings completely cover the oblong holes, preventing deposit of dust within the adjusting area.

• Matching arrow tips mark the 0-position.

Material:
• Hinge bodies and bushings: zinc die
• Pin: stainless steel

Version A: adjusting in 2 directions

Version B: only vertical adjusting

Version C: only horizontal adjusting

<table>
<thead>
<tr>
<th>Version</th>
<th>chrome plated</th>
<th>black</th>
<th>see page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>218-9605</td>
<td>218-9606</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>218-9603</td>
<td>218-9604</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>218-9601</td>
<td>218-9602</td>
<td></td>
</tr>
<tr>
<td>Countersunk machine screws</td>
<td>09.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4-350 Hinge Pr01 180°

Adjustable for nested/flush doors.

Adjustable in:
- height ±2mm (0.079)
- width ±2mm (0.079)
- depth ±2mm (0.079)

**Material:**
- **Hinge parts:**
  - zinc die, untreated (zinc coloured) or black coated
- **Base-plate:**
  - steel, zinc plated
- **Bushings:**
  - PA, natural
- **Pin:**
  - brass, untreated or stainless steel
- **Washers:**
  - stainless steel
- **Slotted screw:**
  - steel, zinc plated or stainless steel
- **Base plate:**
  - steel black coated
- **Adjustment screws:**
  - stainless steel

**Version**

<table>
<thead>
<tr>
<th>3 D Hinge with pin brass, untreated</th>
<th>surface not plated (zinc finish)</th>
<th>surface black coated</th>
</tr>
</thead>
<tbody>
<tr>
<td>RH version (as drawn)</td>
<td>217-9402</td>
<td>217-9405</td>
</tr>
<tr>
<td>LH version (mirror view)</td>
<td>217-9403</td>
<td>217-9406</td>
</tr>
<tr>
<td>Not assembled for RH and LH</td>
<td>217-9404</td>
<td>217-9407</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3 D Hinge with pin stainless steel</th>
<th>surface not plated (zinc finish)</th>
<th>surface black coated</th>
</tr>
</thead>
<tbody>
<tr>
<td>RH version (as drawn)</td>
<td>217-9408</td>
<td>217-9411</td>
</tr>
<tr>
<td>LH version (mirror view)</td>
<td>217-9409</td>
<td>217-9412</td>
</tr>
<tr>
<td>Not assembled for RH and LH</td>
<td>217-9410</td>
<td>217-9413</td>
</tr>
</tbody>
</table>
4-243 Hinge Pr01 180°
detent for nested door

Heavy Duty Detent Hinge with an opening angle of 180° and latching positions at -5°, 85° and 175°.
• The negative latching position can keep the door firmly shut even against a rubber seal.
• Beginning of compression at a position of approx. 5°.

Material:
• Hinge Parts: zinc die, black coated

<table>
<thead>
<tr>
<th>Hinge</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>218-9213</td>
</tr>
</tbody>
</table>
Elegantly designed screw-on hinge for countersunk screws according to DIN 7991, or DIN ISO 10642 and DIN 965 or DIN ISO 7046.

- LH and RH application.
- Opening angle 180°.
- Captive pin.
- Pin protected against loosening and falling out.
- Tight tolerance in knuckles insures proper alignment.
- 6-part knuckle-pin assembly.
- Lightweight.
- Corrosion resistant and flame resistant.
- Rounded corners.

**Material:**

- **Hinge:** PA6, black

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**Hinge PA Pr01 180° 60x40**

for nested door, screw-on

**Part No.**

218-9220

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**Example of applications**

countersunk screw M6x16 (not included)
4-708 Torque Hinge Pr01 270°

for nested door

270° Hinge with unchanging torque throughout its full range of motion. Continuously adjustable torque 0 – 5Nm. The adjustment of the torque is made with a hexagon socket key size 4 in the hinge shaft. The doors may be moved into any position and remain at exactly that position. Also usable as coverstays for light duty application. Installation with hexagon screws or hexagon nuts M6.

- Without any stop.
- Adjustable torque
- Constant torque throughout its fully range of motion
- RH and LH application.

• Applications: shutters, doors protection devices, cover for industrial enclosures, HVAC, electrical industry, machine tools and instrumentation.

Material:
- Hinge and covers: PA, black
- Pin: stainless steel

<table>
<thead>
<tr>
<th>Version</th>
<th>Nm</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque Hinge</td>
<td>0-5</td>
<td>703-9011</td>
</tr>
</tbody>
</table>
4-709 Torque Hinge Pr01 270°

for nested door

270° Hinge with unchanging torque throughout its full range of motion. Continuously adjustable torque 0 – 5Nm. The adjustment of the torque is made with a hexagon socket key size 4 in the hinge shaft. The doors may be moved into any position and remain at exactly that position. Also usable as coverstays for light duty application. Installation with hexagon screws or hexagon nuts M6.

- Without any stop.
- Adjustable torque
- Constant torque throughout its fully range of motion.
- RH and LH application.

Applications: shutters, doors protection devices, cover for industrial enclosures, HVAC, electrical industry, machine tools and instrumentation.

Material:

- Hinge and covers: PA, black
- Pin: stainless steel

<table>
<thead>
<tr>
<th>Version</th>
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