Support arm system CP 60/120/180

In the vertical axis, it is possible to switch to the next smallest system at any time, without impairing the load capacity.

Support arm configurator
For CP support arms

1. Select the support arm system using important user-specific parameters such as the jib length, installed weight or required cable cross-section.

Beneﬁts:
- Individual assembly tailored to the requirements of the application
- Built-in consistency check
- The outcome is a plausibility-checked parts list

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Support section CP 60, open
- Simple, secure cable management
- Cables may be retrospectively inserted in the event of servicing or upgrading
- Clamping elements provide additional stability

Clamping elements CP 60/120, open
- Provide additional stability to prevent rotation of the support arm sections CP 60 or CP 120, particularly with long jibs
- Easy handling when used in preassembled systems; no need to dismantle
- "Toothed" surface ensures optimum fixing
- Invisible positioning beneath the clip-in cover

Housing coupling CP 180
- The CP 180 system may be used consistently right through to the enclosure
- More space for inserting large quantities of cables
- Rotation range is easily limited with the pins supplied; maximum rotation range 310°
- Consistent, automatic potential equalisation

Support arm system CP 60/120/180

<table>
<thead>
<tr>
<th>Accessories</th>
<th>Material</th>
<th>Colour</th>
<th>Supply includes</th>
<th>Model No.</th>
<th>Ref. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Support section CP 60, open</td>
<td>Extruded aluminium</td>
<td>RAL 7035</td>
<td>- Support section</td>
<td>CP 60 5.2</td>
<td>6206.110</td>
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<tr>
<td></td>
<td>Steel</td>
<td>RAL 7024</td>
<td>- Clamping elements for stability</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Clip-in cover</td>
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<td></td>
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<tr>
<td>Clamping elements</td>
<td>Steel</td>
<td></td>
<td>- Packs of 4 clamping elements</td>
<td>CP 120 1 set</td>
<td>6212.220</td>
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<tr>
<td>Housing coupling CP 180</td>
<td>Die-cast zinc</td>
<td>RAL 7035</td>
<td>- Pins to limit the rotation range</td>
<td>CP 180 5.3</td>
<td>6218.300</td>
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<tr>
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<td></td>
<td></td>
<td>- Self-tapping screws for support section attachment</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Seals and assembly parts</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Support section CP 60, open
- Simple, secure cable management
- Cables may be retrospectively inserted in the event of servicing or upgrading
- Clamping elements provide additional stability

Clamping elements CP 60/120, open
- Provide additional stability to prevent rotation of support arm sections CP 120, particularly with long jibs
- Easy handling even in preassembled systems without needing to dismantle
- "Toothed" surfaces ensure optimum fixing
- Invisible positioning beneath the clip-on cover

Housing coupling CP 180
- The CP 180 system may be used consistently right through to the enclosure
- More space for inserting large quantities of cables
- Rotation range is easily limited with the supplied maximum rotation range 310°
- Prevents automatic potential equalisation

Support arm system CP 60/120/180

Support section CP 60, open
| Material | | | Model No. |
|-----------------|-----------------|-----------------|
| Extruded aluminium section | Clamping elements: Steel | CP 60 5.2 6206.110 |
| Colour: | | | |
| Support section: RAL 7035 | Cover: RAL 7024 | |
| Size: | | | |
| L = 1000 mm | | | |

Supply includes:
- Support section
- Clamping elements for stability
- Clip-on cover

Clamping elements for support sections CP 60/120, open
- For additional protection against rotation and twisting of the open section
- Two-piece element, may also be retro-fitted
- Material: Steel
- Supply includes:
  - Packs of 4 clamping elements

Housing coupling CP 180
- For preassembly of the enclosure on the vertical section of the support arm system CP 180
- Material: Die-cast zinc
- Colour: RAL 7035
- Supply includes:
  - Pins to limit the rotation range
  - Self-tapping screws for support section attachment
  - Seals and assembly parts

| Material | | | Model No. |
|-----------------|-----------------|-----------------|
| Die-cast zinc | | | CP 180 5.3 6218.300 |

Supply includes:
- Self-tapping screws for support section attachment
- Seals and assembly parts
Support section CP 60, open
- Simple, secure cable management
- Cables may be retrospectively inserted in the event of servicing or upgrading
- Clamping elements provide additional stability

Clamping elements CP 60/120, open
- Provide additional stability to prevent vibrations, particularly with long jibs
- Easy handling when used in preassembled systems; no need to dismantle
- "Toothed" surfaces ensure optimum fixing
- Invisible positioning beneath the clip-in cover

Housing coupling CP 180
- The CP 180 system may be used consistently right through to the enclosure
- More space for inserting large quantities of cables
- Rotation range is easily limited with the pins supplied; maximum rotation range 310°
- Consistent, automatic potential equalisation

Support arm system CP 60/120/180

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
<th>Section</th>
<th>Colour</th>
<th>Size (x, y, z mm)</th>
<th>Supply includes</th>
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<tbody>
<tr>
<td>Section</td>
<td>Extruded aluminium section</td>
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<td>RAL 7035</td>
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<td>Section</td>
<td>Extruded aluminium section</td>
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<td>RAL 7024</td>
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<tr>
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<tr>
<td>Material</td>
<td>Die-cast zinc</td>
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</table>

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Pcs/Bag</th>
<th>Model No.</th>
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</thead>
<tbody>
<tr>
<td>CP 60</td>
<td>Support arm system CP 60/120/180</td>
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<td>CP 60</td>
</tr>
<tr>
<td>CP 120</td>
<td>Clamping elements CP 60/120, open</td>
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<td>CP 120</td>
</tr>
<tr>
<td>CP 180</td>
<td>Housing coupling CP 180</td>
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<td>CP 180</td>
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</table>

Clamping elements
- Provide additional stability to prevent vibrations, particularly with long jibs
- Easy handling when used in preassembled systems; no need to dismantle
- "Toothed" surfaces ensure optimum fixing
- Invisible positioning beneath the clip-in cover

Housing coupling CP 180
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- Consistent, automatic potential equalisation
Support arm system CP 60/120/180

Rittal – The System.
Faster – better – everywhere.

- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

Support arm configurator

- CP 60
- CP 120
- CP 180

The tool is able to precisely define the correct support arm system using important user-specific parameters such as the jib length, enclosure weight or required cable cross-section.

Benefits:
- Individual assembly tailored to the requirements of the application
- Built-in consistency check
- The outcome is a plausibility-checked parts list

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Innovations in support arm systems
Support arm system CP 60/120/180

Rittal – The System.
Faster – better – everywhere.

System switches
In the vertical axis, it is possible to switch to the next smallest system at any time, without impairing the load capacity.

Support arm systems
Catalogue 34, page 137

Permissible static load [N]
(Enclosure and vertical support arm section)

Jib length (mm)
CP 60
CP 120
CP 180

Support arm configurator
for CP 40/60/120/180

The tool is able to precisely define the correct support arm system using important user-specific parameters such as the jib length, increase weight or required cable cross-sections.

Benefits:
- Individual assembly tailored to the requirements of the application
- Built-in consistency check
- The outcome is a plausibility-checked parts list

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Support arm system CP 60/120/180

Rittal Innovations in Support Arm Systems