Modern, flexible production technology demands solutions which precisely meet the required standards of ergonomics, user-friendliness, hygiene and corrosion protection at the operating interface. The Rittal Command Panel range is tailored to these requirements. Supplemented by a support arm or pedestal system, system accessories or system climate control, an enclosure becomes a complete solution. All this is achieved quickly and practically on your behalf.

Compact Panel, aluminium

Front panels are inserted from the rear and secured with a screw clamp.

Rear door hinged optionally on the right or left by loosening the screws.

Mounting optionally on support arm system CP-S or directly with the wall attachment, vertically hinged, see page 977.

CP pedestal, height adjustable, the ideal attachment for light operating units. Adjustment range 200 mm, swivel area max. 180°, see page 1136.

The cable conduit ensures safe cable routing between the machine and the operating console, see page 1065.

Quickline Panel

Simple door opening: Release the hinge pins from the outside with a screwdriver, and it’s done.

Simple attachment of TS 8 system accessories with the mounting bracket CP 6205.100, see page 1004.
### Operating housings

#### Features

**Command Panel housing with door, with handle strips**
- For additional aluminium front panels, the handle strips may be set forward by up to 5 mm.
- Rear panel with welded nuts for the attachment of mounting plate or support rails.
- Space for tools, measuring instruments or scanners with the utility shelf, screw connection, see page 1123.

**Operating housing with handle strips**
- Interior installation of the enclosure via side mounting angles with system punchings.
- Additional installation space is created by the perforated mounting strips on both sides in the rear door.
- The support arm bracket 90° CP-L may be used for external mounting of compact support arm systems, see page 254.

**Operating housing with display panel front**
- For installation or servicing, the hinged display panel front may be opened from the inside by loosening the screws.
- Interior installation of the enclosure via side mounting angles with system punchings.
- For the support of keyboards. For programming and servicing work, the vertically hinged utility bars, CP 6514.200, may be externally mounted, see page 1140.

**Operating housing with wide VIP 6000 frame**
- External mounting of VIP keyboard housings via frame connectors, rigid or adjustable, see page 225.
- Interior installation of the enclosure via side mounting angles with system punchings.
- The interface flap SZ 2482.200 ensures secure accommodation of sockets, ports or drives, see page 1150.
Operating housings

Features

**Premium Panel, stainless steel** (may be found in the stainless steel section on page 311)

- Exceptionally hygienic, thanks to easy-to-clean, external, highly resistant silicone seal.
- Pressure washer-resistant (protection category IP 69K to DIN 40 050-9) and high EMC shielding effect thanks to ideal shaping of the seal and all-round metallic contact between the enclosure and the rear panel.
- Suitable for use in clean rooms to meet the most demanding requirements, certified by the Fraunhofer-Institut IPA.

**Clear hygiene benefits compared with external hinges, rear panel bracket CP 6682.000, see page 962.**

**Screw fastening of the rear panel optionally via external hex screws 1 or internal screws, concealed with plastic stoppers 2.**

**Protected cable routing from the operating housing to the keyboard housing via a robust duct connector.**

**Operating housing with door, stainless steel** (may be found in the stainless steel section on p. 312)

- Rear panel with welded nuts for the attachment of mounting plate or support rails.
- Simple mounting on the support arm system CP-S stainless steel by locating the pre-assembled screw in the cut-out.
- Safe handling when swivelling, thanks to side handle strips.
Compact Panel

For small operating units built into front panels. The front panel is inserted from the rear and secured with screw clamps. Special front panels with a material thickness of between 2 and 6 mm are possible. Rear panel optionally hinged on the left or right.

**Material:**
- Roof tray, base tray, rear panel: Aluminium
- Side parts: Extruded aluminium section
- Screw cover: Plastic

**Surface finish and colour:**
- Roof tray, base tray, side parts: Powder-coated, RAL 7024
- Rear panel: Natural-anodised
- Screw cover: Similar to RAL 7024

**Protection category:**
- IP 65 to EN 60 529/09.2000

**Supply includes:**
- Roof tray, base tray, rear panel, side parts, screw cover, including seal and screw clamp.

**Rittal service:**
- Other RAL colours
- Holes and cut-outs in the roof and base tray

**Detailed drawing,** see page 1215.

**Property rights:**
- German patent no. 102 16 448
- German patent no. 102 16 366

**Width (B) mm**

<table>
<thead>
<tr>
<th>Packs of</th>
<th>241</th>
<th>241</th>
<th>241</th>
<th>315</th>
<th>315</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (H) mm</td>
<td>238</td>
<td>388</td>
<td>521</td>
<td>238</td>
<td>388</td>
<td></td>
</tr>
<tr>
<td>Depth (T) mm</td>
<td>87</td>
<td>87</td>
<td>87</td>
<td>87</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>To fit</td>
<td>Front panel width mm</td>
<td>178</td>
<td>178</td>
<td>178/4 U</td>
<td>252</td>
<td>252</td>
</tr>
<tr>
<td></td>
<td>Front panel height mm</td>
<td>200</td>
<td>350</td>
<td>482.6/19*</td>
<td>200</td>
<td>350</td>
</tr>
</tbody>
</table>

**Model No. CP**

- (with support arm connection CP-S)

<table>
<thead>
<tr>
<th>1</th>
<th>6340.000</th>
<th>6340.100</th>
<th>6340.200*</th>
<th>6340.300</th>
<th>6340.400</th>
</tr>
</thead>
</table>

**Model No. CP**

- (with support arm connection CP-L, 120 x 65 mm)

<table>
<thead>
<tr>
<th>1</th>
<th>6340.010</th>
<th>6340.110</th>
<th>6340.210</th>
<th>6340.310</th>
<th>6340.410</th>
</tr>
</thead>
</table>

**Model No. CP**

- (without support arm connection)

<table>
<thead>
<tr>
<th>1</th>
<th>6340.020</th>
<th>6340.120</th>
<th>6340.220</th>
<th>6340.320</th>
<th>6340.420</th>
</tr>
</thead>
</table>

**Weight (kg)**

| 2.8 | 3.8 | 4.5 | 3.4 | 4.5 |

**Accessories**

- Front panel, 3.0 mm aluminium, natural-anodised
- Wall mounting bracket, vertically hinged
- Pedestal, height-adjustable
- Cable conduit and accessories
- Cover plate for support arm connection CP-S
- Spring nut M5

1) Extended delivery times.

2) To order different heights for front panel width:

- 178 mm use Model No.: CP 6342.109
- 252 mm use Model No.: CP 6342.209

and additionally specify the front panel height. Extended delivery times.

**Assembly examples:**
- with wall mounting bracket
- with support arm connection

**Rittal Catalogue 32/Industrial Enclosures**

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**Accessories** Page 890  Support arm systems Page 237  Stand systems Page 286

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231
Quickline Panel

The Command Panel for every occasion

- Support arm cut-out may be at the top or bottom by simply refitting:
  - Door with one aperture: Simply rotate, and swap over the door hinge if necessary.
  - Door with two apertures: Remove the door, rotate the enclosure, exchange the lock parts, and re-attach the door.
- Standard support arm cut-out CP-L Ø 130 mm, easily swapped for a larger support arm system CP-XL/CP/Q by drilling 4 holes.
- Hinges right and left with multiple function:
  - Door hinging on l/h or r/h side.
  - With symmetrical enclosures, by rotating the enclosure body against the door.

Direct Command Panel mounting:

Door with one aperture:
- Siemens Sinumerik:
  - OP 010,
  - OP 010 C,
  - OP 012,
  - OP 015.
- Siemens Simatic:
  - Panel PC 477, 577, 677B (12” keys, 15” touchscreen),
  - OP 277 10”,
  - MP 277B 10” keys,
  - MP 377B 12” keys.

Door with two apertures:
- MCP 483C,
- MCP 483,
- PP 012.

Material:
- Enclosure and door:
  - Sheet steel
- Surface finish:
  - Dipcoat-primed, powder-coated in textured RAL 7035 on the outside

Supply includes:
- Enclosure with cut-out and reinforcement, prepared for support arm system CP-L Ø 130 mm, door with foamed seal, threaded bolts in all 4 corners for flexible interior installation via mounting brackets (see table).

Rittal service:
- Other dimensions and apertures for different controllers available on request.
- Detailed drawing, see page 1215.

| Width (B1) mm | 575 |
| Height (H1) mm | 383 |
| Depth (T1) mm | 191 |
| For installation panel W x H | 482.6 mm (19") x 310 mm (7 U) |
| Cut-out size B2 x H2 | 450 mm x 290 mm |
| Installation depth (T2) mm | 185 |
| Support arm connection | Top |
| Model No. CP | 6690.500 | 6691.500 |

Accessories

- Mounting bracket for the installation of punched section with mounting flange and TS support strips
  - 6205.100
  - 6205.100
  - 1004
- Punched section with mounting flange
  - horizontal: 8612.160
  - vertical: –
  - 8612.160
  - 8612.150
  - 993
- TS mounting bars
  - horizontal: 4696.000
  - vertical: 4594.000
  - 4696.000
  - 4695.000
  - 997

Fast service and good access

- Simple door opening: Release the hinge pins from the outside with a screwdriver, and it’s done.
- Easy door removal: Open the door, release the hinge pins and remove.

Perfect interior installation

- Use of TS 8 system accessories: TS punched sections with mounting flanges and TS supports strips, for vertical or horizontal installation (see table).
- Simple attachment with mounting bracket CP 6205.100.
Material and surface finish:
Sheet steel, dipcoat-primed and powder-coated in textured RAL 7035
Aluminium, powder-coated in RAL 5018
Plastic, RAL 5018

Protection category: IP 55 to EN 60 529/09.2000

Supply includes:
Enclosure with cut-out and reinforcement for support arm system CP-L, Ø 130 mm, with seal.
Door with sealing frame, side handle strips and end caps.

Note:
The support arm connection and door hinge may be swapped over by rotating the enclosure.

Rittal service:
- Other sizes
- Other RAL colours
- Modified support arm cut-out or door hinge
- Drilled holes and cut-outs for keypads and operator panels
- Aluminium front panels (up to 5 mm thick, may be positioned on the enclosure front between the side handle strips and door) available on request.

Detailed drawing, see page 1216.
Approvals, see page 38.

Width (B1) mm | Packs of 300 | 300 | 300 | 400 | 400 | 500 | Page
--- | --- | --- | --- | --- | --- | --- | ---
Height (H1) mm | 200 | 300 | 400 | 300 | 400 | 500 |
Depth (T1) mm | 180 | 180 | 180 | 180 | 180 | 180 |
Model No. CP | 1 | 6534.000 | 6535.000 | 6537.000 | 6538.000 | 6544.000 |
Weight (kg) | 5.5 | 7.1 | 8.4 | 8.4 | 10.6 | 14.5 |

Accessories

Matching mounting plate | AE type | 1032.500 | 1033.500 | 1034.500 | 1030.500 | 1380.500 | 1050.500 | 128/129
Model No. 3 | 0271.324 | 0271.926 | 0271.927 | 0274.131 | 0271.548 | 0271.333 |
Support rails 2 | Model No. 10 | 2316.000 | 2316.000 | 2316.000 | 2317.000 | 2317.000 | 2318.000 | 1002 |

Lock systems

Standard double-bit lock insert may be exchanged for 41 mm lock inserts, plastic handle and T handle, type C, see page 954 – 956.

1 To order a Command Panel housing with door with mounting cut-out CP-S, please use the extension number .080.
2 Delivery times available on request.
3 Delivery times available on request.

Signal pillar LED compact.
Model No. see page 1125.

Utility bars, vertically hinged for keyboards.
Model No. see page 1140.

Accessories Page 890  Support arm systems Page 237  Stand systems Page 286  Command Panel housing with door, stainless steel Page 312
Material and surface finish:
Enclosure and door:
Sheet steel, dipcoat-primed and powder-coated in textured RAL 7035
Handle strips:
Aluminium in RAL 7030
Cover caps:
Plastic, RAL 7030
Protection category:
IP 55 to EN 60 529/09.2000

Supply includes:
Enclosure with cut-out and reinforcement for support arm system CP-L, Ø 130 mm and with mounting angles spot welded at the sides. Front with maximum cut-out, covered with easily machinable 3 mm aluminium front panel and side handle strips with end caps. Rear with door.

Note:
The support arm connection and door hinge may be swapped over by rotating the enclosure.

Supply:
- Enclosure with cut-out and reinforcement for support arm system CP-L, Ø 130 mm and with mounting angles spot welded at the sides.
- Front with maximum cut-out, covered with easily machinable 3 mm aluminium front panel and side handle strips with end caps.
- Rear with door.

Rittal service:
- Other sizes
- Other RAL colours
- Modified support arm cut-out or door hinge
- Drilled holes and cut-outs for keypads and operator panels available on request.

Property rights:
- German patent no. 44 13 543
- French patent no. 95 04769
- GB patent no. 2 288 971
- Ital. patent no. 01273518
- Jap. patent no. 2 820 637
- US patent no. 5,662,397
- German registered design no. M 94 03 156
- U.K. reg. des. no. 2 042 639
- Jap. reg. des. no. 955 950
- US design patent no. des. 375,938
- Detailed drawing, see page 1216.
- Approvals, see page 38.

Width (B1) mm | Packs of | 300 | 380 | 380 | 500 | 600 | Page
--- | --- | --- | --- | --- | --- | --- | ---
Height (H1) mm | 200 | 300 | 380 | 500 | 380 | --- | ---
Depth (T1) mm | 155 | 210 | 210 | 210 | 210 | --- | ---
Model No. CP 1 | 6540.200 (1) | 6531.200 | 6530.200 | 6532.200 | 6533.200 |
Weight (kg) 4.9 | 9.3 | 10.2 | 15.4 | 14.6 | --- | ---

**Accessories**
- Support strips for attaching to the mounting angles of the side panel 20 – – 4594.000 4309.000 4594.000 964

**Lock systems**
- Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A, lock cylinder, plastic handles and T-handles, type B, see page 954 – 957.

(1) Support arm connection and door hinge at the bottom.

**Support arm bracket 90° CP-L**
for the assembly of compact support arm systems.
Model No. see page 254.

**Open pedestal**
for the entry of cables with pre-assembled connectors.
Model No. see page 294.

---

**Accessories** Page 890  **Support arm systems** Page 237  **Stand systems** Page 286  **Command Panel housing with door, stainless steel** Page 312
Command Panel

based on AE with display panel front

Material and surface finish:
Enclosure and door:
Sheet steel, dipcoat-primed and powder-coated in textured RAL 7035.
Frame and front panel:
Aluminium, natural-anodised.
Protection category:
IP 54 to EN 60 529/09.2000

Supply includes:
Enclosure without support arm connection with mounting angles spot-welded at the sides. With maximum cut-out at the front and fitted, easily machinable 3 mm front panel with aluminium frame, with r/h hinge, screw-fastened from the inside. Rear door, r/h hinge, with two cam locks (for CP 6442.500 one lock).

Rittal service:
- Other sizes
- Other RAL colours
- With support arm cut-out
- Drilled holes and cut-outs for keypads and operator panels available on request.

Detailed drawing, see page 1217.
Approvals, see page 39.

Width (B) mm
<table>
<thead>
<tr>
<th>Packs of</th>
<th>380</th>
<th>380</th>
<th>500</th>
<th>600</th>
<th>Page</th>
</tr>
</thead>
</table>
Height (H) mm
| 380 | 600 | 500 | 600 |
Depth (T) mm
| 249 | 249 | 249 | 249 |
Model No. CP
| 6442.500 | 6462.500 | 6552.500 | 6662.500 |
| 6442.500 | 6462.500 | 6552.500 | 6662.500 |
| 6442.500 | 6462.500 | 6552.500 | 6662.500 |
Weight (kg)
| 9.5 | 13.4 | 18.0 | 19.6 |

Accessories

| Reinforcement plate with support arm cut-out CP-L |
| 1 |
| 6143.210 |
| 6143.210 |
| 6143.210 |
| – |
| – |
| – |
| 6503.000 |
| 296 |

Enclosure reinforcement with support arm cut-out CP-L
| 1 |
| – |
| – |
| – |

Lock systems

Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A, lock cylinder, plastic handles and T-handles, type B, see page 954 – 957.

To order Command Panels in RAL 7032, please add extension .200 to the Model No. Delivery times available on request.

TFT monitor
for industrial use.
Model No. see page 1133.

Support for keyboards.
Model No. see page 1140.

To access page 890: Support arm systems Page 237: Stand systems Page 286: Command Panel housing with door, stainless steel Page 312.
Command Panel

based on AE with wide VIP 6000 frame

The right frame, even for deeper operator panels.

On request, the compact enclosure AE can be equipped with a stylish VIP 6000 frame mounted on the rear panel. The large AE door provides easy access for servicing.

Material and surface finish:

- Enclosure and door: Sheet steel, dipcoat-primed and powder-coated in textured RAL 7035
- Front plate: 3 mm aluminium, natural-anodised
- Frame section: Aluminium, powder-coated in RAL 7035
- Frame corner pieces: Die-cast zinc, powder-coated in RAL 7035

Protection category:

- IP 56 to EN 60 529/09.2000, complies with NEMA 12.

Supply includes:

- Enclosure with integral roof or base reinforcement and connection for support arm system CP-L or CP-XL or CP-Q. Aluminium front plate and front frame supplied loose, door at rear.

Accessories

- Support arm systems Page 237
- Stand systems Page 286
- VIP 6000 keyboard housing Page 223
- Command Panel with door, stainless steel Page 312

Order example

Model No. CP 6541.009

Design code numbers:

- Support arm connection CP-L, Ø 130 mm, bottom (4)
- Cable tube connection at the bottom (1)
- Individual dimensions:
  - W x H x D: 537 x 352 x 350 mm

Additional mounting of a VIP 6000 keyboard housing is possible via the design code number (see page 225).

The front panel width refers to an enclosure width B – 54 mm and is achieved via a frame connector, which is included with the supply of the keyboard housing.

Support arm connection for support arm system

<table>
<thead>
<tr>
<th>Design code number</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>6541.009</td>
<td>6541.009</td>
</tr>
</tbody>
</table>

Cable tube connection

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Design code number</th>
<th>Model No. AE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual sizes mm</td>
<td>6541.009</td>
<td>X</td>
</tr>
<tr>
<td>Like compact enclosure AE (see page 128)</td>
<td>6541.009</td>
<td>X</td>
</tr>
</tbody>
</table>

Lock systems

Standard double-bit lock insert may be exchanged for 27 mm lock inserts, type A, lock cylinder, plastic handles and T-handles, type B, see page 954 – 957.

Order example

6541.009 4 1 | W x H x D: 537 x 352 x 350 mm (or e.g. AE 1050.600)
Support arm systems

Features

Different viewing angles of the machine, tall or short operating staff, sitting or standing – with the support arm systems from Rittal, the interaction between monitoring and operating is achieved to perfection.

Four different systems are used, depending on the system configuration, jib length and enclosure weight.

Load capacity CP-S steel/stainless steel

When using CP-S in conjunction with CP-L (in the horizontal development of the system), the CP-L load diagram applies.

Load capacity CP-L

Permissible load depending on system assembly
Intermediate hinge CP 6523.0X0 should only be used once per system!

1 System assembly without intermediate hinge
2 System assembly with one intermediate hinge
3 System assembly with one intermediate hinge and one top-mounted/wall-mounted joint
Support arm systems

Features

Load capacity CP-XL

<table>
<thead>
<tr>
<th>Permissible static load [N] (enclosure + vertical support arm section)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jib length (mm)</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

1. Open and solid support section without intermediate hinge
2. Solid support section with one intermediate hinge
3. Open support section with one intermediate hinge

Load capacity CP-Q

<table>
<thead>
<tr>
<th>Permissible static load [N] (enclosure + vertical support arm section)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jib length (mm)</td>
</tr>
<tr>
<td>-------------------</td>
</tr>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

1. Without intermediate hinge
2. With one intermediate hinge

CP-S steel and stainless steel

The angle coupling and angle piece, wall-mounted and top-mounted joint of the system from steel have an integral adjust-ment facility.

In this way, deviations in the horizontal of up to ±2.5° can be compensated in a flash.

The enclosures are easily located on the enclosure coupling of the stainless steel system with a pre-assembled screw.

Angle adaptor 90°
The ideal connection of the CP-S and CP-L systems.

Due to the differing require-ments and slightly deviating attachment types, the support arm and enclosure should be made from the same material (steel or stainless steel).
Support arm systems

Features

CP-L aluminium

The alternative for the configuration of compact systems – the 90° support arm bracket.

Signal pillars may be mounted on many connecting elements of the systems using the mounting component, see page 1129.

The height-adjustable support arm offers even better ergonomics.

CP-XL aluminium

With quadruple screw-fastening, the system offers a particularly high level of safety.

Two ducts allow the control cable and supply voltage to be separated.

A stable base point for the system – the custom-produced pillar, see page 295.

CP-Q steel

The support arm system has adjustment options if 4 clamping screws are used.

Removable panel for problem-free cable entry.

Concertina section with zip for easy access during assembly and service.

Angle adaptor 90°

The ideal connection of the CP-XL and CP-L systems.
Support arm systems

Getting from the enclosure to the matching support arm components

The diagrams show how the connection points of the Rittal enclosures may be continued with support arm systems, either directly or via adaptors. There is a choice of four support arm systems, depending on your design, load and cabling requirements.

- tiltable or rotatable components
- System end

- **CP-S steel**
  For small and lightweight enclosures.

- **CP-S stainless steel**
  For use where there are special requirements in terms of corrosion and hygiene.

- **CP-L**
  The system for average command panel weights, stylish lines, and outstanding solution diversity.

- **CP-XL**
  The system for extreme loads. Also with open cable duct for super-easy cable entry.

- **CP-Q**
  The square alternative to the CP-L and CP-XL support arm systems.

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>Continuation with support arm system</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP-S steel</td>
<td>CP-S stainless steel: 1.1 see page 242</td>
</tr>
<tr>
<td></td>
<td>CP-L: 1.6 see page 250</td>
</tr>
<tr>
<td>CP-S stainless steel</td>
<td>CP-S stainless steel: 1.1 see page 313–316</td>
</tr>
<tr>
<td></td>
<td>CP-L: 1.4 see page 250</td>
</tr>
<tr>
<td>CP-L Ø 130 mm</td>
<td>CP-L: 1.3 see page 250</td>
</tr>
<tr>
<td></td>
<td>CP-XL: 1.2 see page 268</td>
</tr>
<tr>
<td></td>
<td>CP-Q: 1.2, 1.3 see page 280</td>
</tr>
<tr>
<td>CP-XL</td>
<td>CP-L: 1.3 see page 250</td>
</tr>
<tr>
<td></td>
<td>CP-Q: 1.2 see page 280</td>
</tr>
<tr>
<td></td>
<td>CP-L 120 x 65 mm: 1.6 see page 250</td>
</tr>
<tr>
<td>VESA 75</td>
<td>CP-S: 1.3 see page 242</td>
</tr>
</tbody>
</table>
Make a simple sketch showing the basic form of the support arm. Next, select the corresponding support arm components. Start with 1 system start by selecting the appropriate enclosure situation.

Continue with CP-S according to the item numbers.

System changes are indicated by the colour.

Green = CP-L

System continuation/system end:

all directions
vertical
horizontal
angled
tiltable or
rotatable components

From position 3 enclosure attachments, a support section is required between each component (minimum length approx. 100 mm, for wall/floor mounting approx. 160 mm).

Assembly example:

- Support section CP-S
- Mounting cut-out CP-S
- Tilting enclosure attachment, top mounting
- Enclosure attachment CP-S
- Angle piece 90° CP-S
- Wall/base mounting CP-S

Note:
After any given support section, the 90° angle adaptor CP-L to CP-S may be used as a transition to the CP-L system.

Load diagram, see page 237.
Support arm system CP-S steel

Fast selection

System start
Enclosure with mounting cut-out

1.1 Mounting cut-out CP-S
see page 240

1.2 Mounting cut-out CP-L, 120 x 65 mm
see page 240

1.3 Mounting cut-out VESA 75
see page 240

Enclosure attachments

3.1 CP-S attachment CP-S
CP 6501.070 (RAL 7024)
see page 244

3.2 Housing coupling, round CP-S
CP 6501.050 (RAL 7024)
see page 245

3.3 Housing coupling CP-S, for support arm connection
CP-L, 120 x 65 mm
CP 6501.130 (RAL 7024)
see page 245

Angle components

4.1 Angle adaptor 90° CP-L to CP-S
CP 6501.090 (RAL 7024)
see page 264

4.2 Angle piece 90° CP-S
CP 6501.140 (RAL 7024)
see page 247

System end

5.1 Wall/base mounting CP-S
CP 6501.110 (RAL 7024)
see page 248

5.2 Wall-mounted hinge CP-S
CP 6501.150 (RAL 7024)
see page 249

5.3 Top-mounted joint CP-S
CP 6501.160 (RAL 7024)
see page 248

Tilting adaptor

2.1 Enclosure attachment, tilting, top mounting
IW 6902.670 (RAL 7024)
see page 243

3.4 Angle coupling 90° CP-S
CP 6501.120 (RAL 7024)
see page 246

Notes:
1) May also be used rotated through 180°, e.g. from CP-S 120 x 65 mm or CP-S to CP-L Ø 130 mm.
Support arm system CP-S

Steel

Support section CP-S
Attached to the connection components with 2 clamping screws.

**Dimensions:**
- External diameter: 48.3 mm
- Wall thickness: 4.0 mm

**Material:**
Steel conduit, powder-coated

**Colour:**
RAL 9006

**Note:**
Bent support sections available on request.

<table>
<thead>
<tr>
<th>A mm</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>2.1</td>
<td>6501.010</td>
</tr>
<tr>
<td>1000</td>
<td>4.2</td>
<td>6501.030</td>
</tr>
</tbody>
</table>

To specifications

\[ A = \frac{\text{kg}}{\text{m}} \]

Note: Delivery times available on request.

Enclosure attachment, tilting, top mounting
For mounting on:
- IW worktop, prepared for enclosure attachment CP-L, Ø 130 mm, see page 184
- Surfaces
- Enclosure attachment/coupling CP-L 120 x 65 mm, see page 260/262
- Attachment/housing coupling CP-S (may also be used as tilting adaptor +100°/–60° for CP-S), see page 244/245.

To fit enclosures up to 20 kg with support arm connection:
- CP-S
- CP-L 120 x 65 mm
- CP-L Ø 130 mm
- VESA Standard 75.

With cable tube for protected cable entry.

**Tilt angle:**
+100°/–60°, adjustable in 7.2° increments via clamping lever and may be limited to +100°/–15° using the stop screw supplied loose.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight kg</th>
<th>Model No. IW</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7024</td>
<td>0.8</td>
<td>6902.670</td>
</tr>
</tbody>
</table>

**Material:**
Sheet steel, spray-finished

**Supply includes:**
Assembly parts and plastic concertina section.

**Accessories:**
IW worktops prepared for enclosure attachment, see page 184.

---

View A

View B
Support arm system CP-S

Steel

CP-S attachment

For rigid attachment of the
- enclosure to the support section,
- support arm to flat surfaces, rear\(^1\).

With two drilling patterns for
a) Rittal Command Panels
b) Complete Control Panels

Material:
Die-cast zinc

Supply includes:
Seal and 2 clamping screws for support section CP-S.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024</td>
<td>1.0</td>
<td>6501.070</td>
</tr>
</tbody>
</table>

\(^1\)Maximum load 400 N
Enclosure coupling CP-S
for support arm connection CP-S, round
For swivel mounting of the enclosure on the vertical section of the support arm system.
With two drilling patterns for
a) Rittal Command Panels
b) Complete Control Panels
Rotation range:
Approx. 305°, lockable via clamping lever.
By inserting additional tension pins 4 x 16 mm to ISO 8752 the rotation range may be limited to ±7°, 44°, 104°, 142°.

Enclosure coupling CP-S
for support arm connection CP-L, ø 120 x 65 mm
For swivel mounting of the enclosure on the vertical section of the support arm system.
For mounting on:
● Comfort Panel standard dimensions
  CP 6371.000 – .020
  CP 6371.120 – .170
  CP 6371.220 – .240
  (see page 194)
● Optipanel to fit TFT monitors
  CP 6380.010 – .040 (see page 205)
● Optipanel W x H x D = 19” x 7 U x 100 mm
  CP 6380.000 (see page 205)
● Optipanel installation depth 50 mm,
  with rear support arm connection
  (see page 209)
● Compact Panel
  CP 6340.X10 (see page 231).

Material:
Die-cast zinc

Supply includes:
Seal, 2 clamping screws for support section CP-S and clamping lever.

Colour | Weight kg | Model No. CP
-------|-----------|--------------
7024   | 1.1       | 6501.050

Colour | Weight kg | Model No. CP
-------|-----------|--------------
7024   | 1.5       | 6501.130

Rotation range:
Approx. 305°, lockable via clamping levers.
By inserting additional tension pins 4 x 16 mm to ISO 8752 the rotation range may be limited to ±7°, 44°, 104°, 142°.

Material:
Die-cast zinc

Supply includes:
Seals, 2 locking screws.

Mounting cut-outs

Like cut-out a),
but with lock holes

Mounting cut-out, enclosure
Support arm system CP-S

Steel

Angle coupling 90°CP-S
For swivel fastening of the enclosure to the horizontal support arm system:
- Enclosure top-mounted or suspended
- Adjustment option of the support arm system (see page 238)
- Removable panel for problem-free cable entry

Rotation range:
Approx. 305°, lockable via clamping levers. By inserting additional tension pins 4 x 16 mm to ISO 8752 the rotation range may be limited to ±7°, 44°, 104°, 142°.

Material:
Cast aluminium/die-cast zinc

Supply includes:
Seals, 2 locking screws and 2 adjusting screws.

Possible mounting cut-outs of enclosures

Version c) for quick/one-man assembly

Angle adaptor 90°
CP-L to CP-S
see page 264.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024</td>
<td>1.6</td>
<td>6501.120</td>
</tr>
</tbody>
</table>
Support arm system CP-S

Steel

Angle piece 90° CP-S
For connecting horizontal and vertical support arm components
● Adjustment option of the support arm system (see page 238)
● Removable panel for problem-free cable entry

Material:
Cast aluminium

Supply includes:
Seals, 4 locking screws and 2 adjusting screws.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024</td>
<td>1.1</td>
<td>6501.140</td>
</tr>
</tbody>
</table>

Accessories:
Mounting component for signal pillars (SZ 2375.030), see page 1129.

Mounting components
for support arm systems
For mounting a signal pillar, see page 1129.
Support arm system CP-S

Steel

Wall/base mounting CP-S
For rigid attachment of the support section to surfaces. With flange for front mounting.

Material:
Cast aluminium

Supply includes:
Seal, 2 clamping screws for support section CP-S and 3 pre-fitted adjusting screws.

Top-mounted joint CP-S
For swivel mounting of the support arm system to horizontal surfaces.
● Enclosure top-mounted or suspended
● Adjustment option of the support arm system (see page 238)
● Removable panel for problem-free cable entry

Rotation range:
Approx. 300°. By inserting additional pins 6 x 20 mm to ISO 8752 the rotation range may be limited to ±6°, 51°, 96°. To lock the joint, the screw may be exchanged for standard clamping lever M6 x 25 mm.

Table:

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7024</td>
<td>0.7</td>
<td>6501.110</td>
</tr>
<tr>
<td>RAL 7024</td>
<td>1.8</td>
<td>6501.160</td>
</tr>
</tbody>
</table>

Material:
Cast aluminium

Supply includes:
Seals, 2 locking screws and 2 adjusting screws.
Support arm system CP-S
Steel

**Wall-mounted hinge CP-S**
For vertically hinged mounting of the support arm on vertical surfaces.
- Machined keyhole as mirror image for support arm outlet at the top or bottom for easy one-man assembly.
  - Pre-mount the screws on a vertical surface
  - Locate the wall-mounted hinge (support arm system pre-mounted)
  - Tighten the screws
- Adjustment option of the support arm system (see page 238)
- Removable panel for problem-free cable entry

**Rotation range:**
Approx. 300°. By inserting additional pins 6 x 20 mm to ISO 8752 the rotation range may be limited to ±6°, 51°, 96°. To lock the joint, the screw may be exchanged for standard clamping lever M6 x 25 mm.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7024</td>
<td>2.2 kg</td>
<td>6501.150</td>
</tr>
</tbody>
</table>

**Material:**
Cast aluminium

**Supply includes:**
Seals, 2 locking screws and 2 adjusting screws.

**Diagram:**
- Locking screw
- Adjusting screw
- Screw for adjusting rotatability
- Removable plate

**Mounting cut-out 90°**
Support arm system CP-L

Fast selection

Make a simple sketch showing the basic form of the support arm. Next, select the corresponding support arm components. Start with 1 system start by selecting the appropriate enclosure situation.

Continue with CP-L according to the item numbers.

System changes are indicated by the colour.
Violet = CP-S
Blue = CP-XL

System continuation/system end:

all directions

vertical

horizontal

angled

tiltable or

rotatable components

From position 3 enclosure attachments, a support section is required between each component (minimum length approx. 100 mm, for wall/floor mounting approx. 160 mm).

The cross-sections indicate the installation position(s).

X = 0 (RAL 7030)

Support sections

<table>
<thead>
<tr>
<th>Length mm</th>
<th>Colour RAL</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>7035</td>
<td>6509.000</td>
</tr>
<tr>
<td>500</td>
<td>7035</td>
<td>6511.000</td>
</tr>
<tr>
<td>1000</td>
<td>7035</td>
<td>6513.000</td>
</tr>
<tr>
<td>2000</td>
<td>7035</td>
<td>6515.000</td>
</tr>
<tr>
<td>250</td>
<td>9006</td>
<td>6509.010</td>
</tr>
<tr>
<td>500</td>
<td>9006</td>
<td>6511.010</td>
</tr>
<tr>
<td>1000</td>
<td>9006</td>
<td>6513.010</td>
</tr>
<tr>
<td>2000</td>
<td>9006</td>
<td>6515.010</td>
</tr>
</tbody>
</table>

See page 254

Support arm CP-L, height-adjustable

<table>
<thead>
<tr>
<th>Colour: RAL 7024/9006</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Weight range kg</th>
<th>Length mm</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 – 20</td>
<td>962</td>
<td>6510.210</td>
</tr>
<tr>
<td>19 – 30</td>
<td>958</td>
<td>6510.310</td>
</tr>
</tbody>
</table>

See page 252

Assembly example:

- Support section CP-L
- Mounting cut-out CP-L, Ø 130 mm
- Tilting adaptor, 10° CP-L, Ø 130 mm
- Enclosure attachment CP-L, Ø 130 mm
- Angle piece 90° CP-L
- Intermediate hinge CP-L
- Wall/base mounting CP-L

System start

Enclosure with mounting cut-out

1.1 Mounting cut-out CP-L, Ø 130 mm

1.2 Connection plate for support arm CP-L
CP 6528.2X0, see page 259

1.3 Connection adaptor CP-L to CP-XL
CP 6528.0X0, see page 258

1.4 Mounting cut-out CP-L, □ 120 x 65 mm

1.5 Connection console CP-L □ 120 x 65 mm
CP 6508.0X0 on Optipanel support plate CP 6508.100
Other enclosures with mounting cut-out for connection console
see page 261

1.6 Mounting cut-out VESA 75

See page 254
**Fast selection**

<table>
<thead>
<tr>
<th><strong>Tilting adaptor</strong></th>
<th><strong>Enclosure attachments</strong></th>
<th><strong>Intermediate hinge</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1 Tilting adaptor 10° CP-L, Ø 130 mm CP 6527.0X0, see page 255</td>
<td>3.1 Enclosure attachment CP-L, Ø 130 mm CP 6525.5X0, see page 256</td>
<td>5.1 Intermediate hinge CP-L CP 6523.0X0, see page 255</td>
</tr>
<tr>
<td>2.2 Tilting adaptor +/– 45° CP-L, Ø 130 mm CP 6529.0X0, see page 255</td>
<td>3.2 Housing coupling CP-L, Ø 130 mm CP 6525.0X0, see page 262</td>
<td>6.1 CP-L</td>
</tr>
<tr>
<td>2.3 Tilting adaptor, 10° CP-L, 120 x 65 mm CP 6527.1X0, see page 256</td>
<td>3.3 Angle coupling 90° CP-L, Ø 130 mm CP 6526.0X0, see page 263</td>
<td>6.2 CP-L</td>
</tr>
<tr>
<td>2.4 Enclosure attachment, tilting, top mounting1) CP 6902.670 (RAL 7024), see page 243</td>
<td>3.4 Enclosure attachment CP-L, 120 x 65 mm CP 6525.6X0, see page 257</td>
<td>6.3</td>
</tr>
<tr>
<td>3.5 Housing coupling CP-L, 120 x 65 mm CP 6525.1X0, see page 262</td>
<td>3.6 Enclosure attachment CP-L, 120 x 65 mm, locatable CP 6525.2X0, see page 260</td>
<td>6.4 CP-L</td>
</tr>
</tbody>
</table>

**Notes:**

1) May also be used rotated through 180°, e.g. from CP-L 120 x 65 mm or CP-S to CP-L Ø 130 mm.

2) Via T3 support arm bracket 90° CP-L.

---

1) May also be used rotated through 180°, e.g. from CP-L 120 x 65 mm or CP-S to CP-L Ø 130 mm.

2) Via T3 support arm bracket 90° CP-L.

---

**Support arm system CP-L**
Support arm system CP-L

Support arm, height adjustable

Support arm system CP-L

Offers enhanced ergonomics thanks to:
- Adjustment range
  - for tall and short operators
  - for seated and standing work
  adjustable to up to 800 mm as required via and
  adjustment screw at the front of the support
  arm.
- Precise coordination of the compression spring
  to the enclosure weight via an adjusting screw
  at the rear of the support arm.
- Complete functional reliability – if the com-
  pression spring breaks, the arm will remain in
  position.
- Plastic casing clips off for access to the inte-
  gral U-section cable tray.
- Tilting angle of the mounted enclosure is identi-
  cal in every height position.

Material:
Plastic-coated steel

Supply includes:
Round tube with compression spring relief and
U-section cable tray, 2 threaded connectors,
plastic casing, including assembly parts.

<table>
<thead>
<tr>
<th>Overall length mm</th>
<th>Colour RAL</th>
<th>Weight range kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>962</td>
<td>9006</td>
<td>10 – 20</td>
<td>6510.210</td>
</tr>
<tr>
<td>958</td>
<td>9006</td>
<td>19 – 30</td>
<td>6510.310</td>
</tr>
</tbody>
</table>

1) For configured enclosure and vertical support section.
Support arm system CP-L
Support arm, height adjustable

The versatile combination options with horizontal mounting are illustrated in this diagram.

Support arm system CP-L

Enclosure side

Angle piece 90° CP-L
Model No. 6524.0X011), see page 263.

Angle piece 90° CP-L
Model No. 6524.2X011), see page 264.

Angle coupling 90° CP-L
for support arm connection
Ø 130 mm
Model No. 6526.0X011), see page 263.

Intermediate hinge CP-L
Model No. 6523.0X011), see page 265.

Wall/base mounting, small,
CP-L
Model No. 6520.5X011), see page 265.

Wall-mounted hinge CP-L
Model No. 6521.0X011), see page 267.

Enclosure attachment CP-L
for support arm connection
Ø 130 mm
Model No. 6525.5X011),
enclosure attachment CP-L
for support arm connection
Ø 120 x 65 mm
Model No. 6525.6X011),
see page 256/257.
Enclosure with rear support arm cut-out/reinforcement available on request.

Top-mounted joint CP-L
Model No. 6522.0X011), see page 266.

Angle adaptor 90°, CP-L to CP-S
Model No. 6501.090 (RAL 7024),
see page 264.

Attachment side

Angle piece 90° CP-L
Model No. 6524.0X011), see page 263.

Angle piece 90° CP-L
Model No. 6524.2X011), see page 264.

Enclosure

Enclosure

Intermediate hinge CP-L
Model No. 6523.0X011), see page 265.

Wall/base mounting, small,
CP-L
Model No. 6520.5X011), see page 265.

Wall-mounted hinge CP-L
Model No. 6521.0X011), see page 267.

X = 0 RAL 7030
X = 1 RAL 7024

1) Key:
Support arm system CP-L

Aluminium

Support section CP-L
Attachment to the connection components with 4 self-tapping screws in a screw channel, may be cut to any required length, no thread-tapping required.

Dimensions:
50 x 85 mm

Wall thickness:
8 mm

Material:
Extruded aluminium section

Note:
Load information, see page 237.

German patent no. 4331124
French patent no. 9410806
Ital. patent no. 01275022
Jap. patent no. 2730621
US patent no. 5,460,894

<table>
<thead>
<tr>
<th>Length (L)(^1) (mm)</th>
<th>Weight (kg)</th>
<th>RAL 7035 Model No. CP</th>
<th>RAL 9006 Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>1.3</td>
<td>6509.000</td>
<td>6509.010</td>
</tr>
<tr>
<td>500</td>
<td>2.6</td>
<td>6511.000</td>
<td>6511.010</td>
</tr>
<tr>
<td>1000</td>
<td>5.1</td>
<td>6513.000</td>
<td>6513.010</td>
</tr>
<tr>
<td>2000</td>
<td>10.2</td>
<td>6515.000</td>
<td>6515.010</td>
</tr>
</tbody>
</table>

\(^1\)L min = 135 mm

Rittal service:
Support section CP-L, open with two chambers for cable entry:
– sealed, e.g. for standard cabling,
– open, with plastic cover section for easy retro-fitting of cables.
Available on request.

Support arm bracket 90° CP-L
The compact, welded alternative; no thread-tapping required.

Material:
Extruded aluminium section

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight (kg)</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7035</td>
<td>3.4</td>
<td>6519.000</td>
</tr>
<tr>
<td>9006</td>
<td>3.4</td>
<td>6519.010</td>
</tr>
</tbody>
</table>
Support arm system CP-L

Aluminium

**Tilting adaptor, 10° CP-L**
for support arm connection Ø 130 mm
For mounting between:
- Housing coupling CP-L (CP 6525.0X0)
- Enclosure attachment CP-L (CP 6525.0X0)
- Angle coupling 90° CP-L (CP 6526.0X0)
and the Command Panel.

**Material:**
Die-cast zinc

**Supply includes:**
Seal and assembly parts.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>0.6</td>
<td>6527.000</td>
</tr>
<tr>
<td>7024</td>
<td>0.6</td>
<td>6527.010</td>
</tr>
</tbody>
</table>

**Mounting cut-out**
Enclosure CP-L, Ø 130 mm

---

**Tilting adaptor, ±45° CP-L**
for support arm connection Ø 130 mm
For mounting between:
- Housing coupling CP-L (CP 6525.0X0)
- Enclosure attachment CP-L (CP 6525.0X0)
- Angle coupling 90° CP-L (CP 6526.0X0)
and the Command Panel.

**Tilting angle:**
Adjustable in 7.5° increments

**Material:**
Cast aluminium

**Supply includes:**
Seal, plastic concertina section and assembly parts.

German patent no. 195 40 298
US patent no. 5,911,393

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>1.3</td>
<td>6529.000</td>
</tr>
<tr>
<td>7024</td>
<td>1.3</td>
<td>6529.010</td>
</tr>
</tbody>
</table>

**Mounting cut-out**
Enclosure CP-L, Ø 130 mm

---
Support arm system CP-L

Aluminium

Tilting adaptor, 10°CP-L
for support arm connection  120 x 65 mm
For mounting between:
- Housing coupling CP-L (CP 6525.1X0)
- Enclosure attachment CP-L (CP 6525.6X0)
- Housing coupling CP-S (CP 6501.130) and the Command Panel.

Material:
Die-cast zinc

Supply includes:
Seal and assembly parts.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight (kg)</th>
<th>Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>0.4</td>
<td>6527.100</td>
</tr>
<tr>
<td>7024</td>
<td>0.4</td>
<td>6527.110</td>
</tr>
</tbody>
</table>

Enclosure attachment, tilting
Assembly, see page 243.

Enclosure attachment CP-L
for support arm connection Ø 130 mm
For rigid fastening of the enclosure to the support arm system.

Material:
Die-cast zinc

Supply includes:
Seals and self-tapping screws for CP-L support section attachment.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight (kg)</th>
<th>Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>1.0</td>
<td>6525.500</td>
</tr>
<tr>
<td>7024</td>
<td>1.0</td>
<td>6525.510</td>
</tr>
</tbody>
</table>

Mounting cut-out
Enclosure CP-L, Ø 130 mm

Alternative max. Ø 55 mm
Enclosure attachment CP-L
for support arm connection  120 x 65 mm
For rigid fastening of the enclosure to the support arm system.

Material:
Die-cast zinc

Supply includes:
Seals and self-tapping screws for CP-L support section attachment.

Material:
Die-cast zinc

Supply includes:
Seals and self-tapping screws for CP-L support section attachment.
Support arm system CP-L

Aluminium

Connection adaptor CP-L on CP-XL or CP-L on CP-Q

for mounting between:
- Enclosure with support arm connection CP-L and
- Support arm system CP-XL or CP-Q.

May also be used for the attachment of command panels with cut-out for CP-L directly to machines and systems without a support arm. The mounting cut-out CP-XL or CP-Q should be provided there.

Assembly sequence:
- Mount the connection adaptor on the supporting structure
- Mount the enclosure and tighten the screws

The seal to the supporting structure is available on request, if required.

Material:
Cast aluminium

Supply includes:
Seal and assembly parts.

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Colour RAL</th>
<th>Weight (kg)</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 (1)</td>
<td>7030</td>
<td>0.6</td>
<td>6528.000</td>
</tr>
<tr>
<td>20 (1)</td>
<td>7024</td>
<td>0.6</td>
<td>6528.010</td>
</tr>
<tr>
<td>55 (2)</td>
<td>7030</td>
<td>0.7</td>
<td>6528.500</td>
</tr>
<tr>
<td>55 (2)</td>
<td>7024</td>
<td>0.7</td>
<td>6528.510</td>
</tr>
</tbody>
</table>

(1) If the load permits, also suitable for mounting between enclosure with support arm connection CP-XL or CP-Q and support arm system CP-L Ø 130 mm.

(2) For Command Panel VIP 6000, see page 213, 3.1. Operating housing, design code number 1 to 5.
Support arm system CP-L

Aluminium

Connection plate CP-L
With reinforcement plate
- For easy location of the Command Panel onto the support arm or pedestal.
- Easily screw-fastened from the outside after drilling 4 holes Ø 7 mm.
- More space for cable entry plus clamping bracket.
For mounting:
- Comfort Panel¹)
- VIP 6000²)
- Optipanel³)
- Sheet steel Command Panel⁴)

Support arm system components

<table>
<thead>
<tr>
<th>Component</th>
<th>CP-L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure attachment</td>
<td>CP 6525.5X0</td>
</tr>
<tr>
<td>Housing coupling</td>
<td>CP 6525.0X0</td>
</tr>
<tr>
<td>Angle coupling</td>
<td>CP 6526.0X0</td>
</tr>
<tr>
<td>Tiling adaptor 10°</td>
<td>CP 6527.0X0</td>
</tr>
<tr>
<td>Tiling adaptor ±45°</td>
<td>CP 6529.0X0</td>
</tr>
</tbody>
</table>

1) Pre-install screws, locate the enclosure, tighten the screws, and it’s done!

Mounting cut-out CP-L

1) Alternative Ø B
2) Ø 6 mm only with metal enclosures for securing the reinforcement plate
3) Outer edge of enclosure at the rear

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Colour RAL</th>
<th>Weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP-L</td>
<td>7030</td>
<td>0.7</td>
</tr>
<tr>
<td>CP-L</td>
<td>7024</td>
<td>0.7</td>
</tr>
</tbody>
</table>

**Model No. 6528.200**

**Model No. 6528.210**

Note:
The square support arm cut-out can be prepared on request.

Material:
- Connection plate: Cast aluminium
- Reinforcement plate: Sheet steel 6 mm

Supply includes:
- Seals and assembly parts.

1) From a front panel width 247 mm and installation depth 152 mm.
2) From a front panel width of 265 mm.
3) From a front panel width of 220 mm and installation depth of 150 mm.
4) Mounting surface, minimum W x D = 300 mm x 135 mm (e.g. Command Panel housing with door).

1) Make the drilled holes/cut-out in the centre of the enclosure reinforcement plate.
Support arm system CP-L

Aluminium

Enclosure attachment locatable CP-L
for support arm connection □ 120 x 65 mm
For rigid fastening of the enclosure to the support section.
With “machined keyholes” for easy, secure mounting by just one person:
● Screw the enclosure attachment to the support arm.
● Secure the supporting plate to the inside of the enclosure and pre-fit two screws from the outside.
● Locate the enclosure and tighten the screws.
For enclosures from a depth of 70 mm.

Material:
Enclosure attachment: Die-cast zinc
Support plate: Sheet steel

Supply includes:
Seal, support plate and assembly parts.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
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</thead>
<tbody>
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<tr>
<td>7024</td>
<td>0.4</td>
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</tr>
</tbody>
</table>

⚠️ Also required:
Articulated joint 90° CP-L, see page 264.

Mounting cut-out
Enclosure □ 120 x 65 mm

Alternative max. Ø 55 mm
Support arm system CP-L

Aluminium

Connection console CP-L
For rear connection of slimline operating housings. Removable lid for simple cable entry.

Material:
Cast aluminium

Supply includes:
Seals and assembly parts for mounting on the enclosure and 2 cable ties.

Mounting options:
1. Optipanel
Retro-fitting:
• Cut-out in rear panel/door
• With support plate CP 6508.100 (see page 262) directly screw-fastened to extrusion (see Fig. A)
Selection via design code number (see page 209, item 2.3, selection 7 or 8):
Connection console and support plate are fitted.

2. General
e.g.
• Terminal boxes (see page 116),
• Cast aluminium enclosures (see page 114) the connection console may be mounted
a) directly, flush with enclosure edge (see Fig. B top),
b) in the centre with spacer plate CP 6508.200 (available on request) (see Fig. B bottom), to the rear panel of the enclosure. Additional reinforcement of the rear panel should be checked in individual cases.

Also required:
Enclosure attachment CP 6525.6X0), see page 257.
Housing coupling (CP 6525.1X0), see page 262.
Tilting adaptor 10° (CP 6527.1X0), see page 256.
Housing coupling CP-S (CP 6501.130), see page 245.

Accessories:
Spacer plate (CP 6508.200), available on request. Support plate Optipanel CP 6508.100, see page 262.

Colour | Weight | Model No.
--- | --- | ---
RAL 7030 | 0.7 | CP 6508.000
RAL 7024 | 0.7 | CP 6508.010

View A
Mounting cut-out
1 Support arm component CP-L 120 x 65 mm
2 Connection console CP-L
3 Support plate (inside)
4 Spacer plate

Fig. A Optipanel

Fig. B General
Support arm system CP-L

Aluminium

Optipanel support plate
For mounting on the enclosure section. The rear panel or door are recessed in this area, thereby ensuring easy access in case of servicing.

Material:
Cast aluminium

Supply includes:
Seals and assembly parts.

Housing coupling CP-L
for support arm connection Ø 130 mm
For swivel mounting of the enclosure on the vertical section of the support arm system.

Rotation range:
Approx. 310°, lockable via clamping levers.
By inserting additional tension pins 5 x 18 mm to ISO 8752 the rotation range may be limited to ±5°, 65°, 95° and 155°.

Material:
Die-cast zinc

Supply includes:
Seals and self-tapping screws for CP-L support section attachment.

Housing coupling CP-L
for support arm connection 120 x 65 mm
For swivel mounting of the enclosure on the vertical section of the support arm system.

Rotation range:
Approx. 350°, lockable via clamping levers.
By inserting additional tension pins 6 x 20 mm to ISO 8752 the rotation range may be limited to ±5° and ±100°.

Material:
Die-cast zinc

Supply includes:
Seals and self-tapping screws for CP-L support section attachment.

Accessories:
Connection console CP-L (CP 6508.0X0), siehe Seite 261.

Weight | Model No. CP
--- | ---
0.2 | 6508.100

Colour | Weight | Model No. CP
--- | --- | ---
7030 | 1.7 | 6525.000
7024 | 1.7 | 6525.010

Weight | Model No. CP
--- | ---
1.4 | 6525.100
1.4 | 6525.110

Alternative max. Ø 55 mm
Support arm system CP-L

Aluminium

**Angle coupling 90° CP-L**

For support arm connection Ø 130 mm

For swivel mounting of the enclosure on the horizontal part of the support arm system. Enclosure may be suspended or top-mounted.

The removable plate enables problem-free cable entry.

**Rotation range:**

Approx. 310°.

By inserting additional tension pins 5 x 18 mm to ISO 8752 the rotation range may be limited to ±5°, 65°, 95° and 155°.

**Material:**

Cast aluminium/die-cast zinc

**Supply includes:**

Seals, adjustment set and self-tapping screws for CP-L support section attachment.

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<th>Colour</th>
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<td>7024</td>
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<td>6526.010</td>
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</table>

**Accessories:**

Mounting component for signal pillars (SZ 2375.000), see page 1129.

**Angle piece 90° CP-L**

For connecting horizontal and vertical support arm components. The removable plate ensures easier cable entry.

**Material:**

Die-cast zinc

**Supply includes:**

Seals, adjustment set and self-tapping screws for CP-L support section attachment.

- German patent no. 43 31 125
- French patent no. 94 10901
- Italian patent no. 012 74 738
- Japanese patent no. 2 809 993
- US patent no. 5,533,763

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</tbody>
</table>

**Accessories:**

Mounting component for signal pillars (SZ 2375.000), see page 1129.
Support arm system CP-L

Aluminium

Articulated joint 90° CP-L
The swivel connection between horizontal and vertical support sections.
With very slimline enclosures, there is no need for the deep housing coupling. With the shallow enclosure attachment (CP 6525.2X0), the support section may also be attached with its wide side.

Rotation range:
Approx. 325°
Option of limiting the rotation range via the use of additional tension pins 5 x 18 mm to ISO 8752 ±54° and ±98°.

Material:
Cast aluminium/die-cast zinc

Supply includes:
Seals, self-tapping screws for support section attachment and adjustment set.

Note:
May only be top-mounted/suspended on the enclosure side.

Angle adaptor 90°
Connection component between:
● small and larger support arm systems.
Outlet optionally at the top or bottom if this configuration is chosen for static or visual reasons.
The removable cover ensures easier cable entry.

Material:
Cast aluminium

Supply includes:
Seal for support section attachment.

Also required:
Enclosure attachment, suspended CP-L for support arm connection □ 120 x 65 mm (CP 6525.2X0), see page 260, or enclosure attachment CP-L for support arm connection □ 120 x 65 mm (CP 6525.6X0), see page 257.
Intermediate hinge CP-L

For vertically hinged connection of horizontal support sections within the support arm system. The removable plates ensure simple cable entry.

Rotation range:
Approx. 315°.
Option of restricting the rotation range in 60° increments with the screws supplied loose.

Material:
Cast aluminium

Supply includes:
Seals, adjustment set and self-tapping screws for CP-L support section attachment.

German patent no. 44 03 593
French patent no. 94 10902
Italian patent no. 01274751
Japanese patent no. 2 675 264
US patent no. 5,522,118

Wall/base mounting bracket, small, CP-L

For rigid attachment of the support arm system to vertical or horizontal surfaces.
Particularly suitable for the configuration of compact support arm systems with cable infeed from the inside.

Material:
Cast aluminium

Supply includes:
Seals, adjustment set for support section and self-tapping screws for CP-L support section attachment.
Support arm system CP-L

Aluminium

Wall/base mounting, large CP-L
For rigid attachment of the support arm system to vertical or horizontal surfaces with cable infeed from the inside.

Material:
Cast aluminium

Supply includes:
Seals, opportunity for adjustment with grub screws and self-tapping screws supplied loose for CP-L support section attachment.

Top-mounted joint CP-L
For swivel mounting of the support arm system on horizontal surfaces – also suitable for suspending from the ceiling. The removable plate enables simplified cable entry.

Rotation range:
Approx. 315°.
Option of restricting the rotation range in 60° increments and adjusting the mobility of the joint with the screws supplied loose. To lock the joint, the screw may be exchanged for standard clamping lever M8 x 16.

Material:
Cast aluminium

Supply includes:
Seals, set and self-tapping screws for CP-L support section attachment.

Note:
Not suitable for the suspension of enclosures.

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<tr>
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<th>Model No. CP</th>
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<td>7030</td>
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</tr>
<tr>
<td>7024</td>
<td>3.0</td>
<td>6522.010</td>
</tr>
</tbody>
</table>

Note:
Not suitable for the suspension of enclosures.
Wall-mounted hinge CP-L

For vertically hinged mounting of the support arm surface on vertical surfaces. The removable plates facilitate problem-free cable routing or cable entry.

Rotation range:
Approx. 315°.
Option of restricting the rotation range in 60° increments and adjusting the mobility of the joint with the screws supplied loose. To lock the joint, the screw may be exchanged for standard clamping lever M8 x 16.

Material:
Cast aluminium

Supply includes:
Seals, adjustment via grub screws, adjusting screws and self-tapping screws for CP-L support section attachment.

German patent no. 44 03 593
French patent no. 94 10902
Italian patent no. 01274751
Japanese patent no. 2 675 264
US patent no. 5,522,118

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
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</tr>
<tr>
<td>7024</td>
<td>3.2</td>
<td>6521.010</td>
</tr>
</tbody>
</table>

Accessories:
Pillar, see page 295:
Mounting component for signal pillars (SZ 2375.020), see page 1129.

Mounting components
for support arm systems
For external mounting of a signal pillar, see page 1129.
Support arm system CP-XL

Fast selection

Make a simple sketch showing the basic form of the support arm. Next, select the corresponding support arm components. Start with 1 system start by selecting the appropriate enclosure situation.

Continue with CP-XL according to the item numbers.

System continuation/system end:

- all directions
- vertical
- horizontal
- angled
- rotatable components

From position 3 enclosure attachments, a support section is required between each component (minimum length approx. 100 mm, for wall/floor mounting approx. 160 mm).

The cross-sections indicate the installation position(s).

X = 0 (RAL 7030)
X = 1 (RAL 7024)

Assembly example:

T1 Support section CP-XL, open
1.1 Mounting cut-out CP-XL

T1 Support section CP-XL, open

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Colour RAL</th>
<th>Model No. CP</th>
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</tr>
<tr>
<td>2000</td>
<td>7035</td>
<td>6200.000</td>
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</tbody>
</table>

See page 270

T2 Support arm CP-XL, solid

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Colour RAL</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>7035</td>
<td>6050.500</td>
</tr>
<tr>
<td>1000</td>
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<td>6100.500</td>
</tr>
<tr>
<td>2000</td>
<td>7035</td>
<td>6200.500</td>
</tr>
</tbody>
</table>

See page 270

System start

Enclosure with mounting cut-out

1.1 Mounting cut-out CP-XL

1.2 Connection adaptor CP-L to CP-XL
CP 6528.0X0 see page 258

1.3 Connection adaptor CP-L to CP-XL
for VIP 6000 enclosures with installation depths 150, 185 and 295 mm
CP 6528.5X0 see page 258

1.4 Connection plate with reinforcement plate
CP 6528.420 (width 200 mm)
CP 6528.430 (width 418 mm)
see page 274

Note:
- Only insert one intermediate hinge
- Two angle pieces may also be used one after the other
- With angle pieces, take care to ensure correct positioning of the support section cable duct
- Load diagram, see page 237.
Support arm system CP-XL

**Fast selection**

### 2. Tilting adaptor

- **2.1** Tilting adaptor 10°
  - CP-XL
  - CP 6023.0X0 see page 271

### 3. Enclosure attachments

- **3.1** Enclosure attachment CP-XL, round
  - CP 6130.6X0 see page 271

- **3.2** Enclosure attachment CP-XL, rectangular
  - CP 6130.5X0 see page 272

- **3.3** Housing coupling CP-XL
  - CP 6130.0X0 see page 272

- **3.4** Angle coupling 90°
  - CP-XL
  - CP 6040.0X0 see page 275

- **3.5** Housing coupling for desktop mounting
  - CP 6528.400 (width 200 mm)
  - CP 6528.410 (width 418 mm)
  - see page 273

### 4. Angle components

- **4.1** Angle piece 90° CP-XL, outlet at bottom
  - CP 6140.0X0 see page 276

- **4.2** Angle piece 90° CP-XL, outlet at top
  - CP 6180.0X0 see page 276

### 5. Intermediate hinge

- **5.1** Intermediate hinge CP-XL
  - CP 6120.0X0 see page 276

### 6. System end

- **6.1** Wall/base mounting CP-XL
  - CP 6160.0X0 see page 279

- **6.2** Top-mounted joint CP-XL
  - CP 6170.0X0 see page 278

- **6.3** Wall-mounted hinge CP-XL
  - CP 6110.0X0 see page 277
Support arm system CP-XL

Aluminium

Support section CP-XL, open
Attachment to the connection components with 4 self-tapping screws in a screw channel, may be cut to any required length.
With open cable duct, for easy servicing access and for pre-assembled cables with connectors; easily locked via clip-in lid.

Dimensions: 80 x 155 mm
Material: Extruded aluminium section
Supply includes: Clip-in lid

<table>
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<tr>
<th>Length mm</th>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
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<tr>
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</table>

Note:
Load information, see page 238.

Accessories:
Adjustment set for support section, see page 270.

Support section CP-XL, solid
The alternative solution for higher loads and torsion compared with the CP-L support section, open.

Dimensions: 80 x 155 mm
Material: Extruded aluminium section

<table>
<thead>
<tr>
<th>Length mm</th>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
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Note:
Load information, see page 238.

Accessories:
Adjustment set for support section, see page 270.

Adjustment set for support section CP-XL
The adjustment set also supports retrospective alignment of the CP support section.
Material: Sheet steel 1.0 mm, zinc-plated, passivated.

Packs of | Model No. CP |
---------|--------------|
10       | 6205.000     |
Connection adaptor
CP-L to CP-XL
see page 258.

Tilting adaptor 10° CP-XL
For mounting between:
- Housing coupling (CP 6130.0X0)
- Enclosure attachment (CP 6130.6X0)
- Angle coupling (CP 6040.0X0)
and the command panel.

Material:
Die-cast zinc

Supply includes:
Seals and assembly parts.

<table>
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<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
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<td>7024</td>
<td>1.4</td>
<td>6023.010(^1)</td>
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</table>

\(^1\) Extended delivery times.

Enclosure attachment CP-XL, round
For rigid external mounting of enclosures to:
- Support section
- Tilting adaptor 10° (CP 6023.0X0)

Material:
Die-cast zinc

Supply includes:
Seals and self-tapping screws for CP-XL support section attachment.

<table>
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</table>
### Support arm system CP-XL

#### Aluminium

**Enclosure attachment CP-XL, rectangular**

For rigid external mounting on the enclosure.

**Material:**
Die-cast zinc

**Supply includes:**
Seal and self-tapping screws for CP-XL support section attachment.

### Housing coupling CP-XL

For swivel mounting of the enclosure on the vertical section of the support arm system.

**Rotation range:**
Approx. 350°

**Material:**
Die-cast zinc

**Supply includes:**
Seals and self-tapping screws for CP-XL support section attachment.

**Note:**
By inserting pins 5 x 12 to DIN EN ISO 8741, the rotation range may be limited in 90° increments.

### Adaptor with connector cut-out 24-pole

For partitioning between the command panel and support arm or stand system.

**To fit:**
- Housing coupling for desktop mounting CP 6528.400 (W = 200 mm)
  CP 6528.410 (W = 418 mm)
- Connection plates CP-XL with reinforcement plate
  CP 6528.420 (W = 200 mm)
  CP 6528.430 (W = 418 mm)

**Material:**
Sheet steel, zinc-plated, passivated

**Supply includes:**
Seal and assembly parts.

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1) Extended delivery times.

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</table>
Support arm system CP-XL
Aluminium

**Housing couplings CP-XL**

for desktop mounting

The stable, rotating connection with extra space for cable routing.

Design width = 418 mm for additional stability of the roof and base with heavy installed equipment.

For mounting:
- Command Panels from an installation depth of 150 mm
- IW worktops
- Horizontal surfaces (floors or ceilings)

**Attachment**
- Of the Command Panel: one-man assembly via machined keyholes
- On surfaces: via external screws with cover

**Rotation range:**
Max. 350°, lockable via clamping levers.

By using additional M6 cheese-head screws, the rotation range may be limited to ±28°, ±73°, ±118°, ±163°.

**Material:**
- Housing coupling: Cast aluminium/die-cast zinc
- Reinforcement plate: Sheet steel, 6 mm

**Surface finish:**
- Housing coupling: Powder-coated in textured RAL 7024
- Reinforcement plate: Sheet steel, zinc-plated, passivated

**Supply includes:**
- Reinforcement plate, seals and assembly parts.

---

### Mounting cut-out for surfaces CP 6528.400/410

![Mounting cut-out for surfaces CP 6528.400/410](image)

### Mounting cut-out, enclosure side CP 6528.400

![Mounting cut-out, enclosure side CP 6528.400](image)

### Mounting cut-out, enclosure side CP 6528.410

![Mounting cut-out, enclosure side CP 6528.410](image)

A or Ø A is manufactured to order in the case of Optipanel, VIP 6000 and Comfort Panel. 

\( A_{\text{req.}} = 100 \text{ mm} \)

---

### Housing couplings CP-XL

<table>
<thead>
<tr>
<th>Design</th>
<th>VIP 6000</th>
<th>Optipanel</th>
<th>Comfort Panel</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>W = 200 mm</td>
<td>222(^{11})</td>
<td>244(^{11})</td>
<td>247(^{11})</td>
<td>3.4</td>
<td>6528.400</td>
</tr>
<tr>
<td>W = 418 mm</td>
<td>410(^{11})</td>
<td>432(^{11})</td>
<td>435(^{11})</td>
<td>4.2</td>
<td>6528.410</td>
</tr>
</tbody>
</table>

\(^{11}\) From front panel width mm without keyboard housing, with keyboard housing on request.

---

### Accessories:

Adaptor with connector cut-out, 24-pole (SZ 2477.010), see page 272.

**Note:**

With the Comfort Panel, Optipanel and VIP 6000 enclosures, the rectangular support arm cut-out may be ordered and prepared using the design code:
- Comfort Panel, see page 197.
- Optipanel, see page 209.
- VIP 6000, see page 220.

---

### Installation depth

<table>
<thead>
<tr>
<th>Installation depth mm</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comfort Panel</td>
<td>152/308</td>
<td>28.9</td>
<td>77.9</td>
</tr>
<tr>
<td></td>
<td>191 – 464</td>
<td>43.1</td>
<td>82.5</td>
</tr>
<tr>
<td>VIP 6000</td>
<td>155 – 185</td>
<td>32.5</td>
<td>81</td>
</tr>
<tr>
<td></td>
<td>296 – 438</td>
<td>174.5</td>
<td>81</td>
</tr>
<tr>
<td>Optipanel</td>
<td>150</td>
<td>34</td>
<td>65.5</td>
</tr>
<tr>
<td>Metal enclosure</td>
<td>–</td>
<td>1(^{11})</td>
<td>86</td>
</tr>
</tbody>
</table>

\(^{11}\) Make the drilled holes/cut-out in the centre of the enclosure reinforcement plate.

---

**Rittal Catalogue 32/Industrial Enclosures**

Page 273
Support arm system CP-XL

Aluminium

Connection plates CP-XL

With reinforcement plate

For easy location of the Command Panel onto the support arm system or pedestal via machined keyholes.

Design width = 418 mm for additional stability of the roof and base with heavy installed equipment, with extra space for cable routing.

Material:
- Connection plate: Cast aluminium
- Reinforcement plate: Sheet steel, 6 mm

Surface finish:
- Connection plate: Powder-coated in textured RAL 7024
- Reinforcement plate: Sheet steel, zinc-plated, passivated

Supply includes:
- Seals and assembly parts.

Command Panels from an installation depth of 150 mm:

<table>
<thead>
<tr>
<th>Design W (mm)</th>
<th>VIP 6000</th>
<th>Opti-panel</th>
<th>Comfort Panel</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 mm</td>
<td>222</td>
<td>244</td>
<td>250</td>
<td>2.4</td>
<td>6528.420</td>
</tr>
<tr>
<td>418 mm</td>
<td>410</td>
<td>432</td>
<td>460</td>
<td>3.2</td>
<td>6528.430</td>
</tr>
</tbody>
</table>

1) From front panel width mm without keyboard housing; with keyboard housing on request.

<table>
<thead>
<tr>
<th>Mounting cut-out CP 6528.420</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>A</th>
<th>Ø A</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Ø A</td>
</tr>
</tbody>
</table>

A or Ø A is manufactured to order in the case of Optipanel, VIP 6000 and Comfort Panel. \( A_{\text{max}} = 100 \text{ mm} \)

Accessories:
- Adaptor with connector cut-out, 24-pole (SZ 2477.010), see page 272.

Note:
- With the Comfort Panel, Optipanel and VIP 6000 enclosures, the rectangular support arm cut-out may be ordered and prepared using the design code:
  - Comfort Panel, see page 200.
  - Optipanel, see page 209.
  - VIP 6000, see page 220.

For mounting Command Panels on:

<table>
<thead>
<tr>
<th>Support arm system</th>
<th>CP-L Ø 130 mm</th>
<th>CP-XL</th>
<th>CP-Q</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosure attachment</td>
<td>CP 6525.510</td>
<td>CP 6130.610</td>
<td>–</td>
</tr>
<tr>
<td>Housing coupling</td>
<td>CP 6526.010</td>
<td>CP 6130.010</td>
<td>CP 6080.120</td>
</tr>
<tr>
<td>Angle coupling</td>
<td>CP 6526.010</td>
<td>–</td>
<td>CP 6080.110</td>
</tr>
<tr>
<td>Tilting adaptor 10°</td>
<td>CP 6527.010</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Tilting adaptor ±45°</td>
<td>CP 6529.010</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

1) Via connection adaptor CP-L to CP-XL CP 6528.010

Space/preparation for assembly of adaptors with connector cut-out, 24-pole SZ 2477.010
Support arm system CP-XL

Aluminium

**Angle coupling 90° CP-XL**
For swivel mounting of the enclosure on the horizontal part of the support arm system. Enclosure may be suspended or top-mounted.

**Rotation range:**
Approx. 350°

**Material:**
Spheroidal-graphite cast iron and die-cast zinc

**Supply includes:**
Seals, plastic casing and self-tapping screws for CP-XL support section attachment.

**Note:**
By inserting pins 5 x 12 to DIN EN ISO 8741, the rotation range may be limited in 90° increments.

German patent no. 4033747
Italian patent no. 1252120

**Colour**

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>6.2</td>
<td>6040.000</td>
</tr>
<tr>
<td>7024</td>
<td>6.2</td>
<td>6040.010 ¹</td>
</tr>
</tbody>
</table>

¹ Extended delivery times.

---

Top-mounting is only possible as shown in the diagrams below (without intermediate hinge).

1. Angle coupling CP 6040.0X0
2. Support section CP-XL
3. Wall/base mounting bracket 6160.0X0

---

1. Angle coupling CP 6040.0X0
2. Support section CP-XL
3. Top-mounted joint CP 6170.0X0
Support arm system CP-XL

Aluminium

**Angle adaptor 90°**
CP-XL to CP-L

see page 264.

**Angle piece 90° CP-XL**
For connecting horizontal and vertical support arm components.

**Material:**
Spheroidal-graphite cast iron

**Supply includes:**
Seals, plastic casing and self-tapping screws for CP-XL support section attachment.

German patent no. 58901106
European patent no. 0330027
with validity for IT

<table>
<thead>
<tr>
<th>Outlet</th>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom</td>
<td>7030</td>
<td>2.4</td>
<td>6140.000</td>
</tr>
<tr>
<td>Bottom</td>
<td>7024</td>
<td>2.4</td>
<td>6140.010(1)</td>
</tr>
<tr>
<td>Top</td>
<td>7030</td>
<td>3.6</td>
<td>6180.000</td>
</tr>
<tr>
<td>Top</td>
<td>7024</td>
<td>3.6</td>
<td>6180.010(1)</td>
</tr>
</tbody>
</table>

(1) Extended delivery times.
**Intermediate hinge CP-XL**

For vertically hinged connection of horizontal support sections within the support arm system.

**Rotation range:**
Approx. 180°

**Material:**
Spheroidal-graphite cast iron

**Supply includes:**
Self-tapping screws for CP-XL support section attachment and divided concertina section with zip for uninhibited access to the cable duct.

**Note:**
Rotation range may be reduced with rotation range limiter CP-XL, CP 6110.100.

German patent no. 3805424
European patent no. 0330029 with validity for IT

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>6.5</td>
<td>6120.000</td>
</tr>
<tr>
<td>7024</td>
<td>6.5</td>
<td>6120.010</td>
</tr>
</tbody>
</table>

**Accessories:**
Rotation range limiter CP-XL, see page 278.

**Wall-mounted hinge CP-XL**

For vertically hinged mounting of the support arm surface on vertical surfaces.

**Rotation range:**
Approx. 180°

**Material:**
Spheroidal-graphite cast iron

**Supply includes:**
Seals, concertina section and assembly parts.

**Note:**
Rotation range may be reduced with rotation range limiter CP-XL, CP 6110.100.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>8.5</td>
<td>6110.000</td>
</tr>
<tr>
<td>7024</td>
<td>8.5</td>
<td>6110.010</td>
</tr>
</tbody>
</table>

**Accessories:**
Pillar, see page 295.
Rotation range limiter CP-XL, see page 278.
Support arm system CP-XL

Aluminium

**Rotation range limiter CP-XL**

Suitable for:
- Wall-mounted hinge (CP 6110.0X0)
- Intermediate hinge (CP 6120.0X0).

**Material:**
Steel, zinc-plated, passivated

**Supply includes:**
2 steel disks, slotted, including 3 cheese-head screws for assembly.

**Table:**

<table>
<thead>
<tr>
<th>Packs of</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set</td>
<td>0.6</td>
<td>6110.100</td>
</tr>
</tbody>
</table>

Adjustable swivel area:

---

**Top-mounted joint CP-XL**

For swivel mounting of the support arm system on horizontal surfaces – also suitable for suspending from the ceiling.

**Rotation range:**
Approx. 350°, lockable. Rotation range may additionally be reduced and adjusted in 60° increments via the limit plate.

**Material:**
Steel and cast parts

**Supply includes:**
Seals and plastic casing, self-tapping screws for CP-XL support section attachment and limit plate.

**Note:**
Safety end stop as anti-twist protection.

---

**Table:**

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>11.9</td>
<td>6170.000</td>
</tr>
<tr>
<td>7024</td>
<td>11.9</td>
<td>6170.0101)</td>
</tr>
</tbody>
</table>

1) Extended delivery times.

**Accessories:**
Pillar, see page 295.

---

**Mounting cut-out**

---

278

Rittal Catalogue 32/Industrial Enclosures
Wall/base mounting CP-XL

For rigid attachment of the support arm system to vertical or horizontal surfaces.

Material:
Spheroidal-graphite cast iron

Supply includes:
Seals and self-tapping screws for CP-XL support section attachment.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7030</td>
<td>4.1</td>
<td>6160.000</td>
</tr>
<tr>
<td>7024</td>
<td>4.1</td>
<td>6160.0101(1)</td>
</tr>
</tbody>
</table>

(1) Extended delivery times.

Accessories:
Pillar, see page 295.

Mounting cut-out
Support arm system CP-Q

Fast selection

Make a simple sketch showing the basic form of the support arm. Next, select the corresponding support arm components. Start with 1 system start by selecting the appropriate enclosure situation.

Support sections

T1  Support section CP-Q,

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Weight (kg)</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>5.5</td>
<td>6380.050</td>
</tr>
<tr>
<td>1000</td>
<td>11.0</td>
<td>6380.100</td>
</tr>
<tr>
<td>2000</td>
<td>22.0</td>
<td>6380.200</td>
</tr>
</tbody>
</table>

System start

Enclosure with mounting cut-out

1.1 Mounting cut-out CP-Q/CP-XL

1.2 Connection adaptor CP-L to CP-Q

CP 6528.010 (RAL 7024)

See page 258

1.3 Connection adaptor CP-L to CP-Q

CP 6528.510 (RAL 7024)

See page 258

Assembly example:

T1  Support section CP-Q
1.1 Mounting cut-out CP-Q/CP-XL
2.1 Housing coupling CP-Q
3.1 Angle piece 90° CP-Q
4.1 Intermediate hinge CP-Q
5.2 Wall/base mounting CP-Q

Note:
- Only insert one intermediate hinge
- Two angle pieces may also be used one after the other
- Load diagram, see page 238.

From item 2.1 enclosure attachments, a support section is required between each component. Minimum length between:
- Items 2.1 and 3.1 = 200 mm
- Items 3.1 and 4.1/5.1 = 260 mm
- Items 4.1 and 5.1 = 310 mm
## Support arm system CP-Q

### Fast selection

<table>
<thead>
<tr>
<th>Enclosure attachments</th>
<th>Angle components</th>
<th>Intermediate hinge</th>
<th>System end</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.1 Housing coupling CP-Q</strong>&lt;br&gt;CP 6080.120 (RAL 7024), see page 282</td>
<td><strong>3.1 Angle piece 90° CP-Q</strong>&lt;br&gt;CP 6080.130 (RAL 7024), see page 283</td>
<td><strong>4.1 Intermediate hinge CP-Q</strong>&lt;br&gt;CP 6080.140 (RAL 7024), see page 284</td>
<td><strong>5.1 Wall-mounted hinge CP-Q</strong>&lt;br&gt;CP 6080.150 (RAL 7024), see page 284</td>
</tr>
<tr>
<td><img src="image1.png" alt="Housing coupling CP-Q" /></td>
<td><img src="image2.png" alt="Angle piece 90° CP-Q" /></td>
<td><img src="image3.png" alt="Intermediate hinge CP-Q" /></td>
<td><img src="image4.png" alt="Wall-mounted hinge CP-Q" /></td>
</tr>
<tr>
<td><strong>2.2 Angle coupling 90° CP-Q</strong>&lt;br&gt;CP 6080.110 (RAL 7024), see page 283</td>
<td><img src="image2.png" alt="Angle piece 90° CP-Q" /></td>
<td><img src="image3.png" alt="Intermediate hinge CP-Q" /></td>
<td><img src="image4.png" alt="Wall-mounted hinge CP-Q" /></td>
</tr>
<tr>
<td><img src="image5.png" alt="Angle coupling 90° CP-Q" /></td>
<td><img src="image2.png" alt="Angle piece 90° CP-Q" /></td>
<td><img src="image3.png" alt="Intermediate hinge CP-Q" /></td>
<td><img src="image4.png" alt="Wall-mounted hinge CP-Q" /></td>
</tr>
<tr>
<td><strong>3.1 Angle piece 90° CP-Q</strong>&lt;br&gt;CP 6080.130 (RAL 7024), see page 283</td>
<td><strong>4.1 Intermediate hinge CP-Q</strong>&lt;br&gt;CP 6080.140 (RAL 7024), see page 284</td>
<td><strong>5.1 Wall-mounted hinge CP-Q</strong>&lt;br&gt;CP 6080.150 (RAL 7024), see page 284</td>
<td><strong>5.2 Wall/base mounting CP-Q</strong>&lt;br&gt;CP 6080.170 (RAL 7024), see page 285</td>
</tr>
<tr>
<td><img src="image3.png" alt="Intermediate hinge CP-Q" /></td>
<td><img src="image3.png" alt="Intermediate hinge CP-Q" /></td>
<td><img src="image4.png" alt="Wall-mounted hinge CP-Q" /></td>
<td><img src="image5.png" alt="Wall/base mounting CP-Q" /></td>
</tr>
<tr>
<td><strong>5.1 Wall-mounted hinge CP-Q</strong>&lt;br&gt;CP 6080.150 (RAL 7024), see page 284</td>
<td><strong>5.2 Wall/base mounting CP-Q</strong>&lt;br&gt;CP 6080.170 (RAL 7024), see page 285</td>
<td><strong>5.3 Top-mounted joint CP-Q</strong>&lt;br&gt;CP 6080.160 (RAL 7024), see page 285</td>
<td><strong>5.3 Top-mounted joint CP-Q</strong>&lt;br&gt;CP 6080.160 (RAL 7024), see page 285</td>
</tr>
<tr>
<td><img src="image4.png" alt="Wall-mounted hinge CP-Q" /></td>
<td><img src="image5.png" alt="Wall/base mounting CP-Q" /></td>
<td><img src="image6.png" alt="Top-mounted joint CP-Q" /></td>
<td><img src="image6.png" alt="Top-mounted joint CP-Q" /></td>
</tr>
</tbody>
</table>
Support arm system CP-Q

Steel, 80 x 80 mm

Support section CP-Q
Attached to the connection components via clamping screws.

Dimensions:
80 x 80 mm
Wall thickness:
5.0 mm
Material:
Extruded steel tubular section
Surface finish:
Zinc-plated

<table>
<thead>
<tr>
<th>L mm&lt;sup&gt;1)&lt;/sup&gt;</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>5.5</td>
<td>6080.050</td>
</tr>
<tr>
<td>1000</td>
<td>11.0</td>
<td>6080.100</td>
</tr>
<tr>
<td>2000</td>
<td>22.0</td>
<td>6080.200</td>
</tr>
</tbody>
</table>

<sup>1)</sup>L min. = 200 mm

Note:
Load information, see page 238.

Connection adaptor
CP-L to CP-Q
see page 258.

Housing coupling CP-Q
for support arm connection CP-XL
For swivel mounting of the enclosure on the vertical section of the support arm system.

Rotation range:
Approx. 350°, lockable via clamping lever.
Fit additional M6 x 10 screws as per DIN EN ISO 4762 to restrict the rotation range to 20° increments.

Material:
Cast aluminium
Supply includes:
Assembly parts and seals.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024</td>
<td>4.7</td>
<td>6080.120</td>
</tr>
</tbody>
</table>

Note:
For enclosures with support arm connection CP-L Ø 130 mm, a CP-L to CP-Q connection adaptor (CP 6528.010 or CP 6528.510) is also required.
Support arm system CP-Q

Steel, 80 x 80 mm

**Angle coupling 90° CP-Q**

For swivel fastening of the enclosure to the horizontal support arm system.
- Enclosure top-mounted or suspended
- The support arm system is adjustable via clamping screws
- Removable panel for problem-free cable entry

**Rotation range:**
Approx. 350°, lockable via clamping levers. Fit additional M6 x 10 screws as per DIN EN ISO 4762 to restrict the rotation range to 20° increments.

**Material:**
Cast aluminium

**Supply includes:**
Assembly parts and seals.

### Tabular Data

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7024</td>
<td>6.2 kg</td>
<td>6080.110</td>
</tr>
</tbody>
</table>

**Note:**
For enclosures with support arm connection CP-L Ø 130 mm, a CP-L to CP-Q connection adaptor (CP 6528.010 or CP 6528.510) is also required.

### Diagrams

[Diagram showing possible mounting cut-outs]

### Additional Information

**Angle piece 90° CP-Q**

For connecting horizontal and vertical support arm components.
- The support arm system is adjustable via 4 clamping screws
- Removable panel for problem-free cable entry

**Material:**
Steel

**Supply includes:**
Assembly parts and seals.

### Tabular Data

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAL 7024</td>
<td>8.2 kg</td>
<td>6080.130</td>
</tr>
</tbody>
</table>

### Diagrams

[Diagram showing removable plate]
Support arm system CP-Q

Steel, 80 x 80 mm

Intermediate hinge CP-Q
For vertically hinged connection of horizontal support sections within the support arm system.
- Concertina section with zip for easy mounting and access during service.

Rotation range:
Approx. 180°

Material:
Zinc-coated steel, plastic

Supply includes:
Assembly parts and concertina section.

Wall-mounted hinge CP-Q
For vertically hinged mounting of the support arm on vertical surfaces.
- Concertina section with zip for easy mounting and access during service.

Rotation range:
Approx. 180°

Material:
Plastic coated steel

Supply includes:
Assembly parts and concertina section.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>9005</td>
<td>14.6</td>
<td>6080.140</td>
</tr>
<tr>
<td>9005/7024</td>
<td>11.7</td>
<td>6080.150</td>
</tr>
</tbody>
</table>

Accessories:
Rotational range available on request.
Wall/base mounting CP-Q
For rigid attachment of the support section to vertical and horizontal surfaces. With flange for front mounting.

Material:
Steel, spray-finished

Supply includes:
Assembly parts.

Top-mounted joint CP-Q
For swivel mounting of the support arm system to horizontal surfaces.

● Suspended or top-mounted
● Adjustment facility for the support arm system
● Removable panel for problem-free cable entry

Rotation range:
Approx. 350°, lockable via clamping levers. Fit additional M8 x 8 or M8 x 10 screws as per DIN EN ISO 4762 to restrict the rotation range to 20° increments.

Material:
Steel, spray-finished

Supply includes:
Assembly parts.

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024</td>
<td>5.9</td>
<td>6080.170</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7024</td>
<td>11.3</td>
<td>6080.160</td>
</tr>
</tbody>
</table>

Accessories:
Pillar, see page 295.
Stand systems

Features

Bringing movement to Rittal stand systems, to meet all your ergonomic and technical requirements.

For every enclosure type, height variability, mobile use, and accommodation of cables. Our extensive solution diversity meets every conceivable requirement.

Powerful pillars with numerous options – fixed . . .

Pedestal for Command Panel
with support section CP-L
Pedestal for IW worktops
Pillar, small
For compact assemblies
Pillar, large
The robust base point for heavy assemblies.
Pedestal, open
With cable duct open
Pedestal for operating housing
Suitable for side mounting of operating housings.

. . . and with variable height

Lifting pillar, electric
Height adjustment (from 670 to 1140 mm), spindle drive secured against unintentional dropping.
Support section, height-adjustable
Adjustment range from 732 to 1122 mm. Inner section for external mounting of operating housings.
Pedestal, modular, small
for the configuration of compact operating stations. Height of support section may be shortened by sawing to the required length.

Pedestals in every variant – fixed or mobile

Pedestal base plate, large
Fitted with: Cut-out for concealed mounting of cable conduit adaptors and PG segments.
Cross member with cast feet
Steel cross member with mounting holes for lifting pillar.
Pedestal, mobile CP-L/CP-XL
for changing locations.
### Pedestal, height-adjustable

#### 3. Lifting pillar, electric

Height adjustment 470 mm (from 670 to 1140 mm), spindle drive secured against unintentional dropping.

With electronic overload cut-out to protect the drive.

Adjuster unit made from extruded aluminium sections with all-round groove.

- **Head plate**
  - For direct mounting of worktop attachment IW, enclosures with support arm connection
  - CP-L Ø 130 mm
  - CP-XL
  - For swivel mounting of enclosures, including those with keyboard support, via wall/base mounting bracket, small CP-L, CP 6520.5X0, in conjunction with support arm system CP-L.

- **Base plate**
  - For external mounting on the cross member or a sub-structure provided by the customer.

**Note:**

Only suitable for upright assembly.

#### Mounting surface, head plate

- For direct mounting of worktop attachment IW, enclosures with support arm connection
  - CP-L Ø 130 mm
  - CP-XL

- For swivel mounting of enclosures, including those with keyboard support, via wall/base mounting bracket, small CP-L, CP 6520.5X0, in conjunction with support arm system CP-L.

**Weight kg**

<table>
<thead>
<tr>
<th>Packs of</th>
<th>Model No. CP</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.8</td>
<td>6142.000</td>
<td></td>
</tr>
</tbody>
</table>

**Technical specifications:**

- Permissible load: Max. 80 kg
- Duty cycle: Max. 6 min/h with continuous operation
- Ambient temperature: +5°C to +40°C
- Mains connection: 230 V/50 Hz
- Transformer: 24 V DC
- Protection category: IP 65 to EN 60 529/09.2000 (for electrical components).

**Supply includes:**

- Adjusting drive with transformer, head and base plate.

**Also required:**

- Control unit, see page 287.

**Accessories:**

- Cross member with cast feet CP 6142.100, see page 291.
- Worktop attachment CP 6902.780, see page 1124.
- Wall/base mounting, small CP-L, CP 6520.5X0, see page 265.

---

**Control unit**

for height adjustment of the lifting pillar. Design ready for connection with spiral cable and connector. With mounting brackets for screw fastening.

**Design**

<table>
<thead>
<tr>
<th>Protection rating</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>External mounting on surfaces/enclosures</td>
<td>IP 30 6142.020</td>
</tr>
</tbody>
</table>
Stand systems

Pedestal, modular, CP-S

Support section
height-adjustable
Adjustment range from 732 to 1122 mm. Internal section for external mounting of operating housings. External section with:
- Clamping screws at the rear for external mounting on pedestal base plate CP 6146.100
- Clamping lever for height fixing
- Surface for external cable routing.

Material:
Extruded aluminium section, natural-anodised

Supply includes:
Inner and outer section including locking lever and assembly parts for external mounting on the base plate and enclosure.

For small panels and keyboard housings up to 20 kg
May be compiled from the following modules:

<table>
<thead>
<tr>
<th>Model No. CP</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6146.200</td>
<td>288</td>
</tr>
<tr>
<td>6146.300</td>
<td>289</td>
</tr>
<tr>
<td>6146.100</td>
<td>289</td>
</tr>
<tr>
<td>6501.070</td>
<td>244</td>
</tr>
<tr>
<td>6501.050</td>
<td>245</td>
</tr>
</tbody>
</table>

External mounting of operating housings or other devices:
A. Direct screw-fastening
B. With tilt adjuster
C. With attachment 6501.070 or housing coupling 6501.050 CP-S, see page 244/245.

Gas-pressurised spring

- For relief with height adjustment
- Optional installation
- Internal mounting
- Load capacity 15 kg
- Length 490/885 mm

Supply includes:
Assembly parts for installing in the support section, height-adjustable.

<table>
<thead>
<tr>
<th>Packs of</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6146.400</td>
</tr>
</tbody>
</table>

Optipanel Page 204. Compact Panel Page 231
Pedestal, modular, CP-S

**Tilt adjustment**

For direct top-mounting on enclosures with mounting cut-out:
- CP-S
- CP-L, 120 x 65 mm
- CP-L, Ø 130 mm

Cannot be combined with enclosure attachment or coupling.

**Adjustment range:**

±30°

**Material:**

Sheet steel, zinc-plated, passivated

**Supply includes:**

Locking lever and assembly parts for height-adjustable mounting on the support section.

**Rittal service:**

As tilt adjustment for support arm system CP-S on request.

**Pedestal base plate**

With large surface for stability and welded tube connectors (Ø 48.3 mm) to accommodate the external profile of the support section, height-adjustable. Base mount from the outside using screws up to M10.

**Material:**

Sheet steel, powder-coated

**Rittal service:**

Twin castors CP 6148.000, see page 907.

---

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Packs of</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7034</td>
<td>1</td>
<td>6146.100</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Packs of</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6146.300</td>
</tr>
</tbody>
</table>
Stand systems

Pedestals

Pedestal
One oval panel is permanently screw-fastened, whilst the other can be opened by “spreading” with a screwdriver for easy laying of cables. In order to ensure opening of the front panels, we recommend that the adjustable frame connector be used with all panels with keyboard housing.

Material:
Feet: Cast aluminium
Cross member, vertical support tubes: Steel
Panels: Aluminium section

Supply includes:
for Command Panel:
2 cast aluminium feet,
1 cross member made of steel,
2 steel support tubes welded to cross member,
2 oval panels made from aluminium section,
1 top cover made from cast aluminium with support section CP-L, partially pre-assembled.

for IW worktops:
2 cast aluminium feet,
1 cross member made of steel,
2 steel support tubes welded to cross member,
2 oval panels made from aluminium section,
1 worktop attachment of sheet steel.

<table>
<thead>
<tr>
<th>Design</th>
<th>For Command Panel</th>
<th>For IW worktops</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>with drilled hole for cable entry in cross member</td>
<td>with cable conduit adaptor and drilled hole for cable entry in cross member</td>
<td>with drilled hole for cable entry in cross member</td>
</tr>
<tr>
<td>W x H x D mm 1)</td>
<td>600 x 1093 x 700</td>
<td>600 x 1093 x 700</td>
<td>600 x 946 x 700</td>
</tr>
<tr>
<td>Model No.</td>
<td>6141.000</td>
<td>6141.100</td>
<td>6141.200</td>
</tr>
<tr>
<td>Weight kg</td>
<td>34.9</td>
<td>35.1</td>
<td>33.7</td>
</tr>
<tr>
<td>Colour RAL</td>
<td>7035/natural-anodised</td>
<td>7035/natural-anodised</td>
<td>7035/natural-anodised</td>
</tr>
</tbody>
</table>

Accessories
Twin castors 6148.000, 4634.500
Levelling feet 4612.000
Base mount 6147.000
Foot rest 6145.100
Trim panel 6144.100
Cable conduit see page 1065
Enclosure attachment CP-L, Ø 130 mm 6525.5X0
Enclosure attachment CP-L, 120 x 65 mm 6525.6X0
Housing coupling CP-L, Ø 130 mm 6525.0X0
Housing coupling CP-L, 120 x 65 mm 6525.1X0
Enclosure attachment CP-L, 120 x 65 mm, locatable 6525.2X0
Enclosure attachment, tilting – – 6902.640
Worktop without handle (W x H x D 950 x 38 x 600 mm) – – 6902.310
Worktop with handle (W x H x D 950 x 38 x 658 mm) – – 6902.320

Other widths and heights and support tubes available on request.
X = 0 (RAL 7030), X = 1 (RAL 7024)

1) Other widths and heights and support tubes available on request.

Detailed drawing, see page 1217.
Stand systems

Pedestals

Cross-member
with cast feet
Steel cross member with mounting holes for lifting pillar or other individual assemblies, including 2 cast aluminium feet.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7035</td>
<td>5.8</td>
<td>6142.100</td>
</tr>
</tbody>
</table>

Accessories:
Foot rest CP 6145.100, trim panel CP 6144.100, base mount CP 6147.000, see page 291. Twin castors, see page 907. Detailed drawing, see page 1219.

Base mount
Brackets for screw-fastening from below to the cast feet with positive drive raised countersunk screws M12. Optionally with projection at the front, interior or sides, with Ø 11 mm hole for screw-fastening to the base.

Material:
Sheet steel, zinc-plated, passivated

Supply includes:
Positive drive raised countersunk screws M12.

<table>
<thead>
<tr>
<th>Packs of</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>6147.000</td>
</tr>
</tbody>
</table>

Trim panel
Material:
Cast aluminium

Supply includes:
Assembly parts for screw-fastening between the cast feet at the front or rear.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7035 textured</td>
<td>6144.100</td>
</tr>
</tbody>
</table>

Foot rest
Material:
Connector pieces: Cast aluminium
Round tube section: Aluminium

Supply includes:
Assembly parts.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Weight</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7035 textured/natural-anodised</td>
<td>0.6</td>
<td>6145.100</td>
</tr>
</tbody>
</table>
Pedestals

Pedestal base plate

small
- With one hole at the rear for commercially available cable conduit gland M20.
- With two holes at the top (including sealing bung) for floor attachment.
- Prepared on the inside for a cable clamp for strain relief.

Material:
Sheet steel, 2.5 mm

Supply includes:
Assembly parts.

Note:
Commercially available screws up to M8 may be used for floor attachment.

Pedestal base plate

large
- Cut-out for concealed mounting of cable conduit adaptor M50
- Cut-out for PG segments (EL 2235.010 to EL 2235.080) or cable conduit adaptor up to Ø 70 mm
- Integral cable clamping bracket

Material:
Sheet steel, powder-coated

Supply includes:
Integral reinforcement and mounting cut-out for support section CP-L or CP-XL, complete with assembly parts for configuration of the support section.

Pedestal modular, CP-L

<table>
<thead>
<tr>
<th>May be compiled from the following modules:</th>
<th>Model No. CP</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Enclosure reinforcement</td>
<td>6143.210</td>
<td>296</td>
</tr>
<tr>
<td>2. Support section, straight (per length)</td>
<td>6511.0X0</td>
<td>254</td>
</tr>
<tr>
<td></td>
<td>6513.0X0</td>
<td>254</td>
</tr>
<tr>
<td></td>
<td>6515.0X0</td>
<td>254</td>
</tr>
<tr>
<td>3. Pedestal base plate, small</td>
<td>6143.200</td>
<td>292</td>
</tr>
</tbody>
</table>

Pedestal base plate small

<table>
<thead>
<tr>
<th>Weight</th>
<th>Colour RAL</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.3 kg</td>
<td>7035</td>
<td>6143.200</td>
</tr>
</tbody>
</table>

Accessories:
Cable clamp DK 7077.000 or DK 7078.000, see page 1064.

Pedestal base plate large

<table>
<thead>
<tr>
<th>For support section</th>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP-L</td>
<td>7035</td>
<td>12.4</td>
<td>6137.535</td>
</tr>
<tr>
<td>CP-XL</td>
<td>7035</td>
<td>13.1</td>
<td>6137.035</td>
</tr>
</tbody>
</table>

Also required:
Support section CP-L, see page 254,
CP-XL, see page 270.

Accessories:
CP enclosure or worktops according to choice.
Twin castors, see page 907.
Levelling feet PS 4612.000, see page 906.
Cable conduit, see page 1065.
Wall mounting bracket KL 1580.000 or KL 1590.000 for base attachment, see page 975.
Detailed drawing, see page 1219.
Pedestals

### Pedestal

**mobile**

Consisting of:
- 2 sheet steel axles, each with 2 die-cast zinc roller bearings with plastic coating, 4 twin castors, 2 x with, 2 x without locks, 1 cross-brace, screw-fastened, of sheet steel with integral cable clamping bracket, 1 support section of aluminium (for CP 6136.000 with clip-in lid), partially pre-assembled.

**Colour:**
Powder-coated in RAL 7035, corner pieces in RAL 7030.

---

**Pedestal**

**for operating housing**

For side mounting.

Consisting of:
- Pedestal plate, on castors
- Support section
- End cap with recessed handle

**Supply includes:**
Assembly parts.

**Dimensions:**

W x H x D:
360 x 500 x 995 mm

**Note:**
Up to a maximum enclosure width of 380 mm.

---

**Accessories:**

<table>
<thead>
<tr>
<th>Enclosure attachment for</th>
<th>Model No. CP</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6136.500 CP-L</td>
<td>6525.5X0</td>
<td>256/257</td>
</tr>
<tr>
<td></td>
<td>6525.6X0</td>
<td></td>
</tr>
<tr>
<td>6136.000 CP-XL</td>
<td>6130.5X0</td>
<td>271/272</td>
</tr>
<tr>
<td></td>
<td>6130.6X0</td>
<td></td>
</tr>
</tbody>
</table>

Detailed drawing, see page 1218.

---

**Mounting cut-out**

<table>
<thead>
<tr>
<th>Colour RAL</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>9011</td>
<td>23.6</td>
<td>6135.000</td>
</tr>
</tbody>
</table>

---

Command Panel housing with door Page 233 Operating housings Page 234 Comfort Panel Page 192 Optipanel Page 204 VIP 6000 Page 213
Stand systems
Pedestals/pillars

Pedestal, open
With cable duct open
● for inserting cables with pre-assembled connectors
● for optimum service access.
Head plate with accommodation for:
● CP-L housing coupling for support arm connection Ø 130 mm, CP 6525.0X0, see page 262
● CP-L enclosure attachment for support arm connection Ø 130 mm, CP 6525.5X0, see page 256
Material:
Pedestal tube: Steel, spray-finished in RAL 7035
Cover section: Plastic RAL 7030
Design:
400 x 400 mm, 10 mm thick base plate, with 4 x Ø 11 mm mounting holes.
Pedestal tube W x H = 86 x 73 mm, 3 mm thick, head and base plates welded on.
Supply includes:
Assembly parts and cover section.

Cover section just clips on
With cable clamping bracket

Pillar
small
For heavy assemblies, connection plates at the top for support arm components CP-XL.
● With cut-out for 24-pole connectors for cable entry at the bottom rear,
● Height: 1150 mm.
Material:
Steel
Design:
Base plate cross-section 500 x 500 mm, 12 mm thick, with 4 mounting holes.
Pedestal tube (cross-section 160 x 80 mm, wall thickness 3.2 mm) welded to base plate.

Accessories:
Cable tie SZ 2597.000, see page 1066.
Detailed drawing, see page 1218.

<table>
<thead>
<tr>
<th>Colour</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>7035</td>
<td>6214.500</td>
</tr>
</tbody>
</table>

Accessories:
Housing coupling CP-XL, see page 272.
Enclosure attachment CP-XL, see page 271, 272.
Detailed drawing, see page 1218.

<table>
<thead>
<tr>
<th>Height (H) mm</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1093</td>
<td>24</td>
<td>6215.000</td>
</tr>
</tbody>
</table>

1) Delivery times available on request.
**Pillars**

The stable base point for the support arm system. The attachment of additional enclosures, e.g. for security systems, is also possible. There is a choice of 2 cross-sections:

- 140 x 140 mm
- 200 x 200 mm

**Design:**

Base plate 15 mm thick, with four mounting holes, cut-out in the base plate according to the cross-section for cable entry from below. Pedestal tube (wall thickness 5 mm) welded to the base plate, with connection facilities for support arm systems according to the selection table.

**Delivery times:**

Extended delivery times

---

**Material:**

Steel, spray-finished

**Colour:**

RAL 7035

**Supply includes:**

Assembly parts for support arm system according to selection.

**Note:**

Customer-specific designs, such as:
- Other RAL colours
- Drilling patterns for CP-Q
- Heights
- Consoles for additional enclosures available on request.

**Accessories:**

Support arm system CP-S, see page 241,
CP-L, see page 250,
CP-XL, see page 268,
Gland plates size 2, see from page 1048.

---

**Supply includes**

<table>
<thead>
<tr>
<th>Cross-section 140 x 140 mm, height 2000 mm</th>
<th>Model No. CP</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6214.</td>
<td>X X 0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cross-section 200 x 200 mm, height 2000 mm</th>
<th>Model No. CP</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6220.</td>
<td>X X 0</td>
<td></td>
</tr>
</tbody>
</table>

**Cut-out for cable entry**

| Without cut-out in pillar | 0 |
| Cut-out at the front     | 1 |
| Cut-out at the rear      | 2 |
| Cut-out on the left      | 3 |
| Cut-out on the right     | 4 |

**Support arm connection**

<table>
<thead>
<tr>
<th>wall/base mounting</th>
<th>wall-mounted hinge</th>
<th>top-mounted joint</th>
</tr>
</thead>
<tbody>
<tr>
<td>without</td>
<td>0</td>
<td>–</td>
</tr>
<tr>
<td>CP-S</td>
<td>6501.110</td>
<td>6</td>
</tr>
<tr>
<td>CP-S</td>
<td>6501.110</td>
<td>7</td>
</tr>
<tr>
<td>CP-S</td>
<td>6501.150</td>
<td>8</td>
</tr>
<tr>
<td>CP-S</td>
<td>6501.160</td>
<td>9</td>
</tr>
<tr>
<td>CP-L</td>
<td>6520.0X0</td>
<td>2</td>
</tr>
<tr>
<td>CP-L</td>
<td>6521.0X0</td>
<td>3</td>
</tr>
<tr>
<td>CP-L</td>
<td>6522.0X0</td>
<td>4</td>
</tr>
<tr>
<td>CP-XL[1]</td>
<td>6160.0X0</td>
<td>1</td>
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<td>CP-XL[1]</td>
<td>6110.0X0</td>
<td>5</td>
</tr>
<tr>
<td>CP-XL[1]</td>
<td>6170.0X0</td>
<td>5</td>
</tr>
</tbody>
</table>

[1] For CP 6220.XX0 only.

---

**Support arm system CP-S** Page 241
**Support arm system CP-L** Page 250
**Support arm system CP-XL** Page 268
**Support arm system CP-Q** Page 280
Enclosure reinforcement

For external or internal reinforcement of enclosures of a corresponding size. Smaller enclosures may also be mounted directly without enclosure reinforcement.

Supply includes:
Assembly parts for the enclosure and support section plus 2 seals.

<table>
<thead>
<tr>
<th>For enclosure</th>
<th>Support arm connection</th>
<th>Material</th>
<th>Weight kg</th>
<th>Model No. CP</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1 ≥ 300 mm, T1 ≥ 150 mm</td>
<td>CP-S</td>
<td>Stainless steel 1.4301</td>
<td>0.9</td>
<td>6143.310</td>
</tr>
<tr>
<td>B1 ≥ 300 mm, T1 ≥ 150 mm</td>
<td>CP-L</td>
<td>Sheet steel</td>
<td>0.9</td>
<td>6143.210</td>
</tr>
<tr>
<td>CP 6662.000 or AE (B1 = 600 mm, T1 ≥ 210 mm)</td>
<td>CP-XL</td>
<td>Sheet steel</td>
<td>2.2</td>
<td>6503.000</td>
</tr>
</tbody>
</table>

B = Width
T = Depth