

# Rittal – The System.

Faster – better – worldwide.

## ► Support arm system CP 60/120/180



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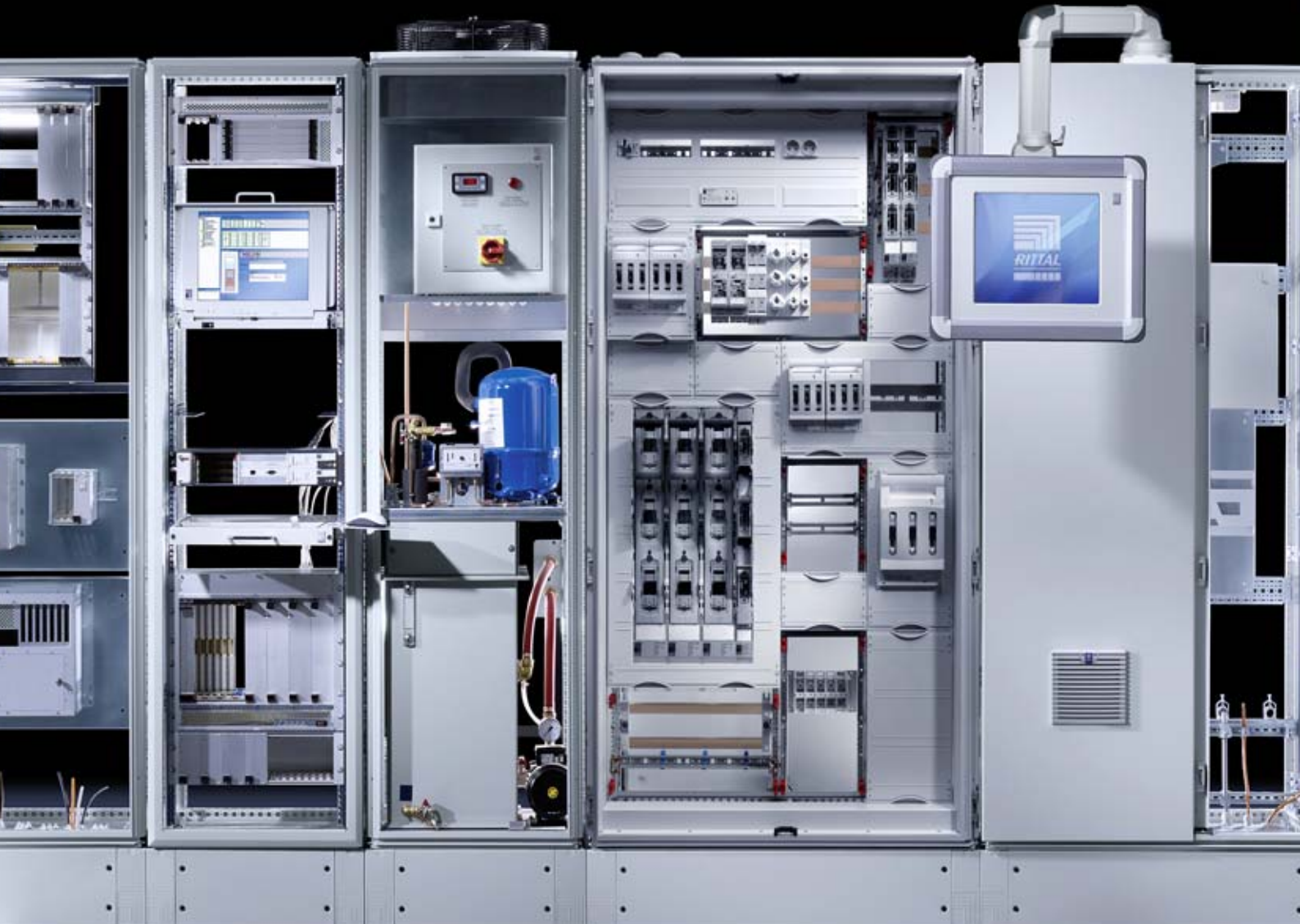
SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

# Rittal – The System.

Faster – better – worldwide.



ENCLOSURES

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# Rittal – The System.

The whole is more than the sum of its parts.

The same is true of “Rittal – The System.” With this in mind, we have bundled our innovative enclosure, power distribution, climate control and IT infrastructure products together into a single system platform that is unrivalled anywhere else. Paired with our comprehensive software tools and global service, this becomes the key to unique added value for the most diverse applications throughout the industry: Production lines, testing systems, building services and data centres. Following our simple principle **faster – better – worldwide**, we tie innovative products and efficient service into an optimum package.

**Faster** – thanks to the modular solutions which make up “Rittal – The System.” and a degree of system compatibility which guarantees swift planning, assembly, modification and commissioning.

**Better** – thanks to the rapid implementation of market trends in products. In this way, our innovative strength helps you to secure competitive advantages.

**Worldwide** – thanks to a global network of 150 locations. Rittal has over 60 subsidiaries, more than 250 service partners and over 1,000 service engineers worldwide. For more than 50 years, we have been on hand to offer advice, assistance and product solutions.

IT INFRASTRUCTURE

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# THE NEW SUPPORT ARM SYSTEM



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## Identical engineering

- All load levels from from 600 to 1800 N
- One system

## Identical design

- Simple system replacement in the vertical axis to cut costs and weight
- Consistent combination options

## Identical functions

- Uniform adjustment principle, also possible retrospectively without dismantling
- Simple cable entry and routing
- Perfect limitation of rotation ranges
- Automatic, consistent potential equalisation
- One-person assembly
- Sections are easily cut to length

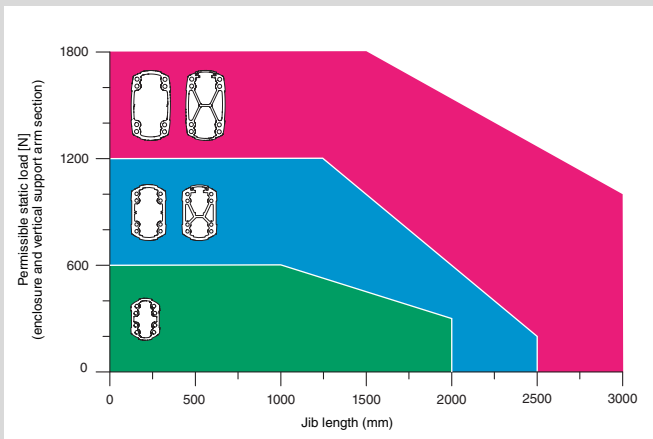
The new support arm system is to replace the existing CP-L, CP-C and CP-XL systems. To facilitate a smooth and simple switch, we have included corresponding conversion tables for each system from page 8.



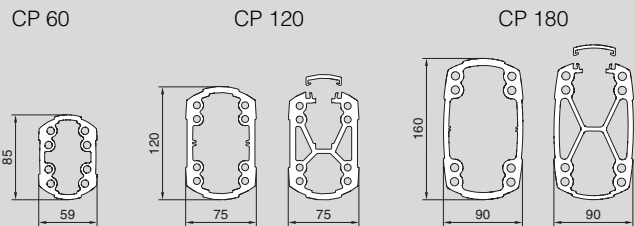
# Support arm system CP 60/120/180



Comfort Panel Catalogue 33, page 138 Optipanel Catalogue 33, page 140 Operating housings Catalogue 33, from page 142

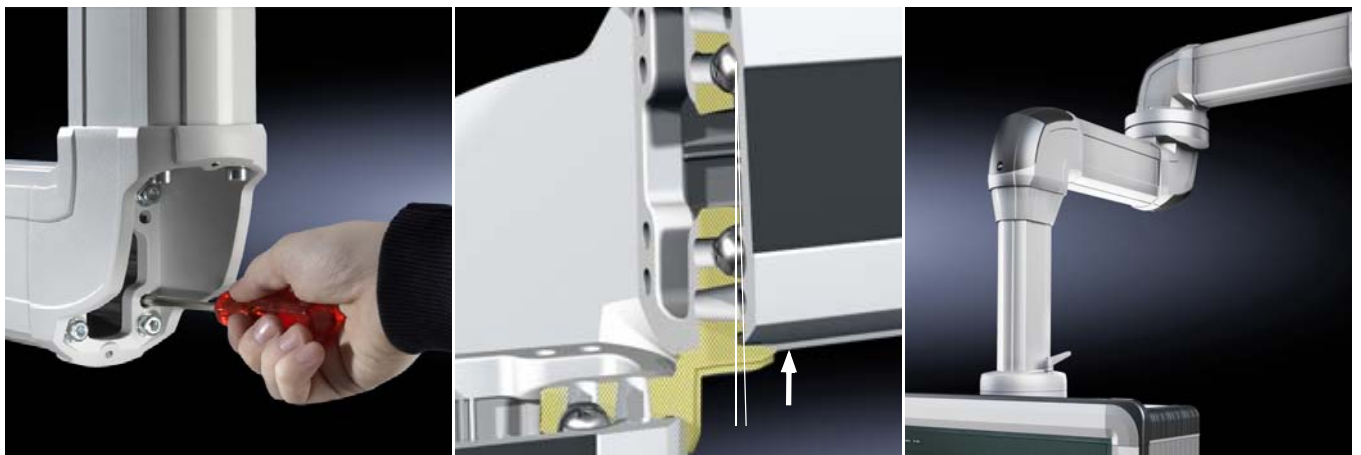


**System replacement**  
In the vertical axis, a system replacement to the next smallest system is possible without impairing the load capacity.

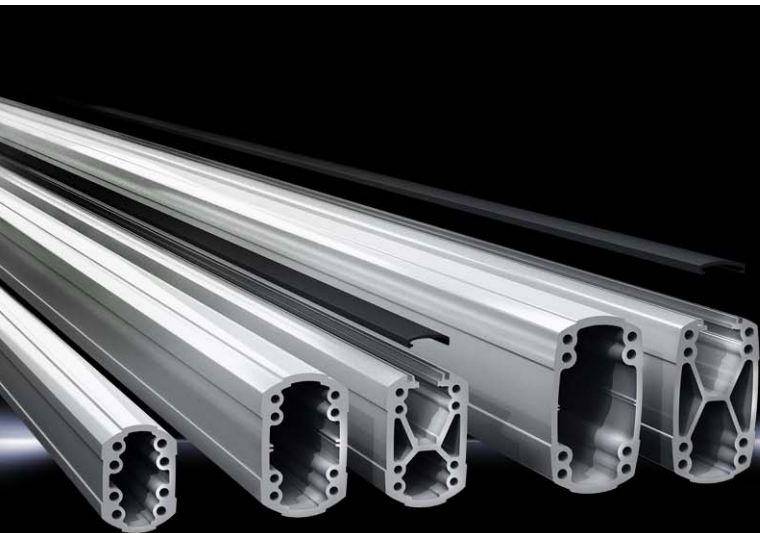


## Convenience in perfection

- Easily adjusted without dismantling the system
- Fast, uniform assembly concept
- Perfect adjustability of the support arm system with integral rotation range restrictor
- Consistent combination options without loss of design



# Support arm system CP 60/120/180



Comfort Panel Catalogue 33, page 138 Optipanel Catalogue 33, page 140 Operating housings Catalogue 33, from page 142

## Support section CP 60/120/180

Attachment to the connection components with 4 self-tapping screws in the screw channel. May be cut to any required length, no thread-tapping required. Closed cable duct with a large cross-section. Open cable duct for easy servicing access and for pre-assembled cables with connectors; lockable via cover section.

X-shaped profiling for greater load capacity, large cable routing channels. Upper channel adequate for cables with large connectors (e.g. DVI or VGA) and available/usable throughout the entire system.

## Size:

CP 60:  
– External dimensions:  
59 x 85 mm

CP 120:  
– External dimensions:  
75 x 120 mm

CP 180:  
– External dimensions:  
90 x 160 mm

## Material:

– Support section:  
Extruded aluminium section  
– Cover: Plastic

## Colour:

– Support section: RAL 7035  
– Cover: RAL 7024

## Supply includes:

– Support section  
– Clip-in cover  
(only with open section)

## Detailed drawings:









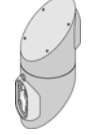




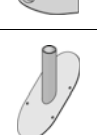
Available on the Internet.

## Efficient cable management









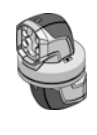





- Cross-section sufficient for large connectors
- Separation between data and power cables
- Removable cover for simple cable entry
- Flexible cable entry and routing options
- Automatic, consistent potential equalisation



# Support arm system CP 60




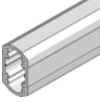




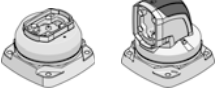



Support arm system CP-L (old system)		1	2	Model No. CP
	<b>Tilting adaptor 10° CP-L</b>			
	Ø 130 mm	-	■	6527.010
	□ 120 x 65 mm			6527.110
	<b>Tilting adaptor +/-45° CP-L</b>			
	Ø 130 mm	■	-	6529.010
	<b>Enclosure attachment, tilting, +100/-60°</b>			
		■	-	6902.670
	<b>Enclosure attachment CP-L</b>			
	Ø 130 mm	-	■	6525.510
	□ 120 x 65 mm			6525.610
	<b>Housing coupling CP-L</b>			
	Ø 130 mm	■	-	6525.010
	□ 120 x 65 mm			6525.110
	<b>Angle coupling 90° CP-L</b>			
	Ø 130 mm	■	-	6526.010
	<b>Support section CP-L</b>			
	Solid			250 6509.000
				500 6511.000
				1000 6513.000
			2000 6515.000	
	Open			1000 6513.050
	<b>Angle piece 90° CP-L</b>			
		-	■	6524.010
	<b>Intermediate hinge CP-L</b>			
		■	-	6523.010
	<b>Top-mounted joint CP-L</b>			
		■	-	6522.010
	<b>Wall-mounted hinge CP-L</b>			
		■	-	6521.010
	<b>Wall/base mounting bracket, small CP-L</b>			
		-	■	6520.510
	<b>Wall/base mounting, large CP-L</b>			
		-	■	6520.010
	<b>Mounting component for signal pillar</b>			
		-	■	2375.000/ 2375.020

1 Rotating/tilting 2 Rigid




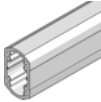
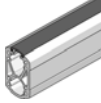



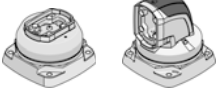



Support arm system CP-L (new system)		1	2	Model No. CP
	<b>Tilting adaptor 10°</b>			
	Ø 130 mm	-	■	6206.400
	□ 120 x 65 mm			6206.440
	<b>Tilting adaptor +/-45°</b>			
	Ø 130 mm	■	-	6206.420
	<b>Tilting adaptor +100/-60°</b>			
	□ 120 x 65 mm	■	-	6206.460
	<b>Attachment, CP 60</b>			
	Ø 130 mm	-	■	6206.320
	□ 120 x 65 mm			6206.360
	<b>Coupling, CP 60</b>			
	Ø 130 mm	■	-	6206.300
	□ 120 x 65 mm			6206.340
	<b>Angle coupling 90°, CP 60</b>			
		■	-	6206.380
	<b>Support section, CP 60</b>			
	Solid			250 6206.025
				500 6206.050
				1000 6206.100
			2000 6206.200	
<b>No follow-up article available.</b>				
	<b>Angle piece 90°, CP 60</b>			
		-	■	6206.600
	<b>Intermediate hinge, CP 60</b>			
		■	-	6206.620
	<b>Top-mounted joint, CP 60</b>			
	Horizontal outlet	■	-	6206.700
	<b>Wall-mounted hinge, CP 60</b>			
	Horizontal outlet	■	-	6206.740
	<b>Wall/base mounting, small, CP 60</b>			
		-	■	6206.820
	<b>Wall/base mounting, large, CP 60</b>			
		-	■	6206.800
	<b>Mounting component for signal pillar, CP 60</b>			
		-	■	6206.900




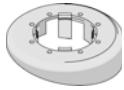

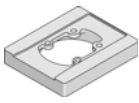
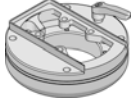

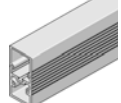
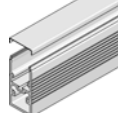
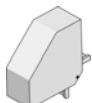



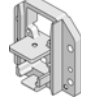
# Support arm system CP 120

Support arm system CP-C (old system)		1	2	Model No. CP
<b>Enclosure attachment CP-C</b>				
	Ø 130 mm	-	■	6070.200
<b>Housing coupling CP-C</b>				
	Ø 130 mm	■	-	6070.000
<b>Angle coupling 90° CP-C</b>				
		■	-	6071.200
<b>Support section CP-C</b>				
	Solid	250	-	6074.000
		500	-	6074.100
		1000	-	6074.300
		2000	-	6074.500
	Open	500	-	6075.100
		1000	-	6075.300
		2000	-	6075.500
<b>Connection adaptor CP-C to CP-L</b>				
		-	■	6071.600
<b>Angle piece 90° CP-C</b>				
		-	■	6071.400
<b>Intermediate hinge CP-C</b>				
		■	-	6071.800
<b>Top-mounted joint CP-C</b>				
	Vertical outlet	■	-	6072.800
	Horizontal outlet	■	-	6072.600
<b>Wall-mounted hinge CP-C</b>				
	Vertical outlet	■	-	6072.400
	Horizontal outlet	■	-	6072.500
<b>Wall/base mounting bracket, small CP-C</b>				
		-	■	6072.200
<b>Wall/base mounting bracket, large CP-C</b>				
		-	■	6072.000

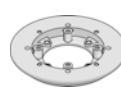
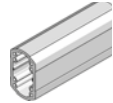
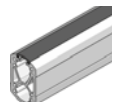






1 Rotating/tilting 2 Rigid

Support arm system CP 120 (new system)		1	2	Model No. CP
<b>Attachment, CP 120</b>				
	Ø 130 mm	-	■	6212.320
<b>Coupling, CP 120</b>				
	Ø 130 mm	■	-	6212.300
<b>Angle coupling 90°, CP 120</b>				
		■	-	6212.380
<b>Support section, CP 120</b>				
	Solid	250	-	6212.025
		500	-	6212.050
		1000	-	6212.100
		2000	-	6212.200
	Open	500	-	6212.150
		1000	-	6212.110
		2000	-	6212.210
<b>Adaptor for support arm combination, CP 120/60</b>				
		-	■	6212.640
<b>Angle piece 90°, CP 120</b>				
		-	■	6212.600
<b>Intermediate hinge, CP 120</b>				
		■	-	6212.620
<b>Top-mounted joint, CP 120</b>				
	Vertical outlet	■	-	6212.720
	Horizontal outlet	■	-	6212.700
<b>Wall-mounted hinge, CP 120</b>				
	Vertical outlet	■	-	6212.760
	Horizontal outlet	■	-	6212.740
<b>Wall/base mounting, small, CP 120</b>				
		-	■	6212.820
<b>Wall/base mounting, large, CP 120</b>				
		-	■	6212.800

# Support arm system CP 180

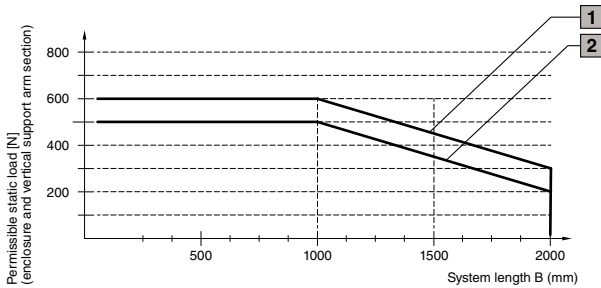
Support arm system CP-XL (old system)			1	2	Model No. CP
<b>Connection adaptor CP-L to CP-XL</b>					
	Height 20 mm	-	■		6528.010
	Height 55 mm	-	■		6528.510
<b>Tilting adaptor 10° CP-XL</b>					
		-	■		6023.010
<b>Enclosure attachment, round CP-XL</b>					
		-	■		6130.610
<b>Enclosure attachment, rectangular CP-XL</b>					
		-	■		6130.510
<b>Housing coupling CP-XL</b>					
		■	-		6130.010
<b>Angle coupling 90° CP-XL</b>					
		■	-		6040.010
<b>Support section CP-XL</b>					
	Solid	500	-	-	6050.500
		1000	-	-	6100.500
		2000	-	-	6200.500
	Open	500	-	-	6050.000
		1000	-	-	6100.000
		2000	-	-	6200.000
<b>No previous articles available.</b>					
<b>Angle piece 90° CP-XL</b>					
	Outlet at bottom		-	-	6140.010
	Outlet at top		-	-	6180.010
<b>Intermediate hinge CP-XL</b>					
		■	-		6120.010
<b>Top-mounted joint CP-XL</b>					
		■	-		6170.010
<b>Wall-mounted hinge CP-XL</b>					
		■	-		6110.010
<b>Wall/base mounting bracket CP-XL</b>					
		-	■		6160.010

1 Rotating/tilting 2 Rigid

Support arm system CP 180 (new system)			1	2	Model No. CP
<b>Adaptor for support arm connection Ø 180 mm to Ø 130 mm</b>					
	Height 20 mm	-	■		6212.520
<b>No follow-up article available.</b>					
Only with system replacement to support arm system CP 120 using adaptor CP 6218.640.					
Only with system replacement to support arm system CP 120 using adaptor CP 6218.640.					
Only with system replacement to support arm system CP 120 using adaptor CP 6218.640.					
Only with system replacement to support arm system CP 120 using adaptor CP 6218.640.					
<b>Support section, CP 180/CP 120</b>					
	Solid	500	-	-	6218.050
		1000	-	-	6218.100
		2000	-	-	6218.200
	Open	500	-	-	6218.150
		1000	-	-	6218.110
		2000	-	-	6218.210
<b>Adaptor for support arm combination, CP 180/120</b>					
		-	■		6218.640
<b>Angle piece 90°, CP 180</b>					
		-	■		6218.600
<b>Intermediate hinge, CP 180</b>					
		■	-		6218.620
<b>Top-mounted joint, CP 180</b>					
	Horizontal outlet	■	-		6218.700
<b>Wall-mounted hinge, CP 180</b>					
	Horizontal outlet	■	-		6218.740
<b>Wall/base mounting, small, CP 180</b>					
		-	■		6218.820

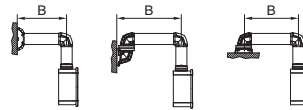
## Support arm system CP 60

Permissible load depending on system configuration



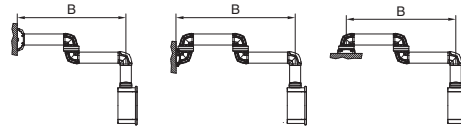
Wall/base mounting bracket, small CP 6206.620 must not be used in conjunction with intermediate hinge CP 6206.620! Intermediate hinge CP 6206.620 should only be used once per system!

1 System configuration without intermediate hinge, CP 6206.620



B max. = 2000 mm

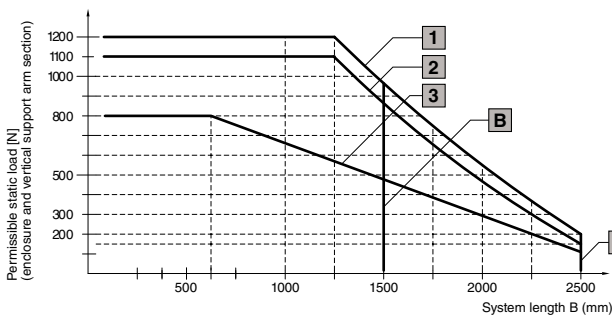
2 System configuration with intermediate hinge CP 6206.620



B max. = 2000 mm

## Support arm system CP 120

Permissible load depending on system configuration



1 With solid or open support section

2 With solid support section

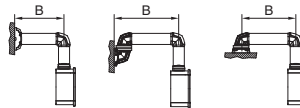
3 With open support section

Wall/base mounting bracket, small CP 6212.620 must not be used in conjunction with intermediate hinge CP 6212.620!

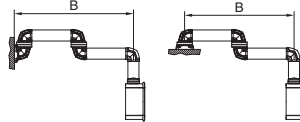
A Maximum system length 2500 mm for systems with horizontal outlet at the system start.

B Maximum system length 1500 mm for systems with vertical outlet at the system start.

1 System configuration without intermediate hinge CP 6212.620



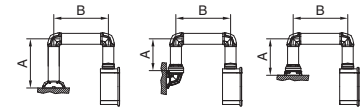
2,3 System configuration with intermediate hinge CP 6212.620



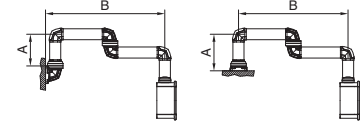
B max. = 2500 mm

Intermediate hinge CP 6212.620 should only be used once per system!

1 System configuration without intermediate hinge CP 6212.620



2,3 System configuration with intermediate hinge CP 6212.620

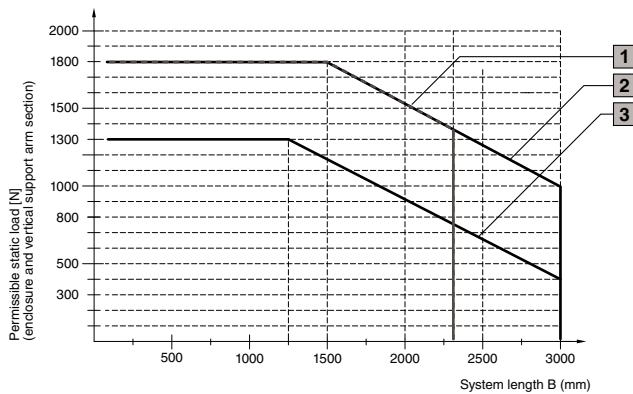


A max. = 500 mm B max. = 1500 mm

Intermediate hinge CP 6212.620 should only be used once per system!

## Support arm system CP 180

Permissible load depending on system configuration

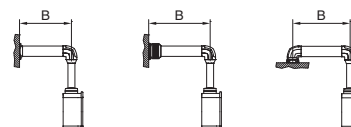


1 With solid or open support section

2 With solid support section

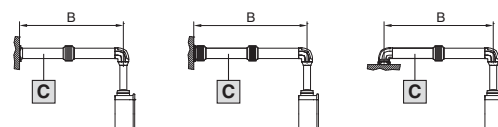
3 With open support section

1 System configuration without intermediate hinge CP 6218.620



B max. = 2300 mm

2,3 System configuration with intermediate hinge CP 6218.620



B max. = 3000 mm

Intermediate hinge CP 6218.620 should only be used once per system!

C Rittal recommends using a solid support section.

# Rittal – The System.

**Faster – better – worldwide.**

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

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## **Norway**

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