## Rittal – The System.

Faster - better - everywhere.

# More efficiency – with the base/plinth system VX

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#### **CLIMATE CONTROL**

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# MORE EFFICIENCY

**The best of everything** – The base/plinth system VX suits almost any enclosure application. It combines the best of all existing Rittal base/plinth functions in one variable modular system, giving you extra space, more user-friendly assembly, time savings and additional flexibility, despite a smaller number of parts.

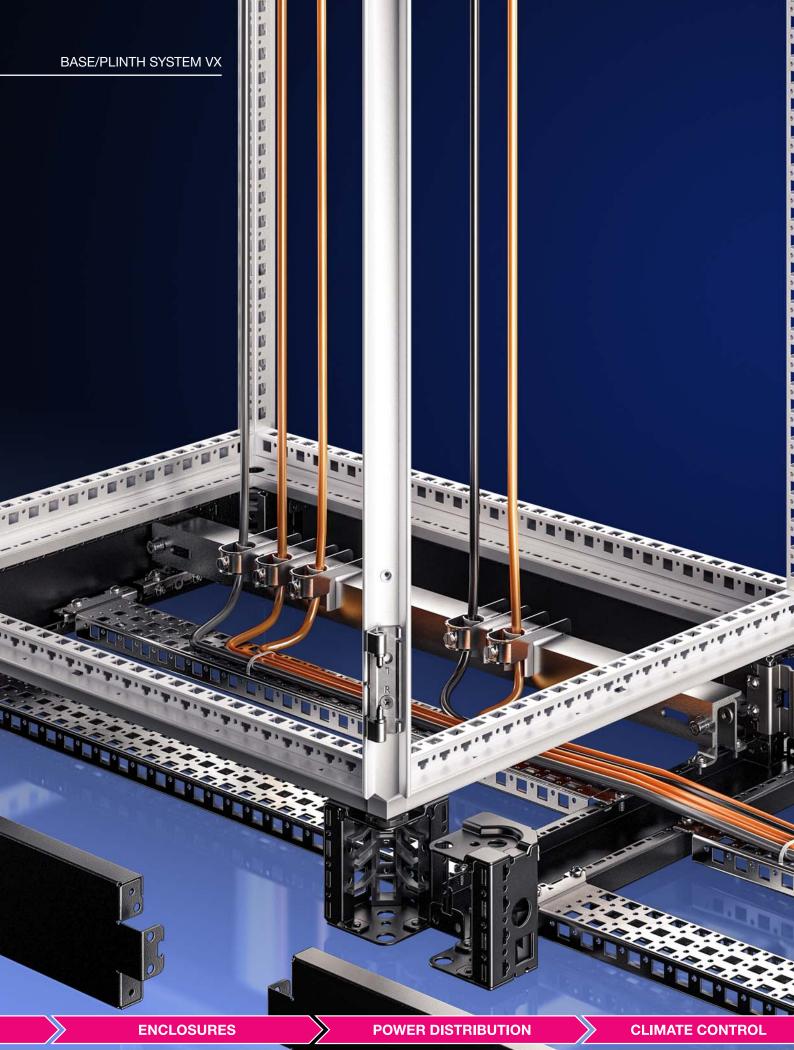
**Fast, simple and backward-compatible** – The VX system, with its largely tool-free mounting, simplifies assembly, configuration and baying, while at the same time saving time, parts and warehousing costs. It replaces the base/plinth systems TS and Flex-Block. All components are optimised to the VX25 baying enclosure system, and are backward-compatible with enclosure systems TS, TS IT, SE, CM, TP, PC, IW and TE.





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## MORE SPACE

**Create extra space** – The base/plinth system VX is more than just a stable enclosure base with a protective function. In fact, it includes the entire base/plinth area underneath the enclosure, e.g. for accommodating cables or for seamless, secure cable routing from enclosure to enclosure.

**Use more space flexibly –** The option of partially or wholly eliminating the symmetrical trim panels, the consistent system punchings, and the simplified mounting of the punched sections and rails transform the base/plinth into a flexibly configurable space extension to the enclosure, open at the top.



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# MORE CONVENIENT ASSEMBLY

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#### Positioning aid The precise, anti-twist mounting of the

base/plinth on the enclosure is simplified by a practical positioning aid on the VX25.

#### Access

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The clip-fastened trim panels may be securely screw-fastened as well. They are easily removed to allow rapid access to the base/plinth interior.

#### **Convenient attachment**

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The nuts permanently integrated into the base/plinth corner pieces save you from having to fiddle with loose parts when screw-fastening from the inside. Alternatively, parts may also be screwfastened directly from the outside into the corner piece of the VX25.

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# MORE TIME SAVINGS

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#### Baying

Baying is convenient, either by folding out the trim panel in the depth, or via the stable baying bracket of the VX25.



#### **Cable management**

Cables are securely routed and attached via the punched section with mounting flange in the base/plinth, for time and space savings.

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#### Transportation

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The dimensions, designed to fit standard lifting trucks, ensure that even bayed enclosures are easily transported at any time.

# MORE Flexibility

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#### Multi-use

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The system accessories, such as cable clamp rails, may be used directly with the aid of the base/plinth installation bracket, even with a vertically fitted trim panel.



The base mounting plate allows retrospective attachment to the base, even where the base/plinths are already screw-fastened to the enclosure.

#### Levelling

The stable design of the levelling components compensates for floor irregularities of up to 15 mm, even with fully configured enclosures.

0 0 0 0 0 0

#### **Base/plinth system VX**

#### Modular base/plinth diversity

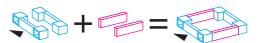
The new, innovative base/plinth system VX offers an unprecedented diversity of functions and applications. It combines all existing base/plinth functions in a single solution, as well as opening up many new applications. As if that weren't enough, it is also backward-compatible with existing enclosure solutions TS, TS IT, SE, CM, TP, PC, IW and TE. In short, it is a base/plinth system.

The base/plinth system VX comprises the following components:

- Base/plinth corner pieces with base/plinth trim . panels, front and rear
- Base/plinth trim panels, sides

Thanks to fully symmetrical corner pieces, and by using the same base/plinth trim panels in the width and depth, the system opens up many new applications. For example, the vented trim panels and trim panels with brush strips available as accessories may now optionally be attached at the sides, or exchanged for the front/rear trim panels.

All trim panels may optionally be clipped into the corner piece, or screw-fastened. Depending on the application, for example, users can dispense with the trim panels between bayed enclosure suites, or a 100 mm high trim panel may be used to stabilise the base/plinth corner pieces. In combination with its extensive range of accessories, and thanks to its compatibility with enclosure accessories, the base/ plinth system VX offers almost infinite possibilities in terms of siting, transportation, cable routing, cable attachment and base/plinth configuration.



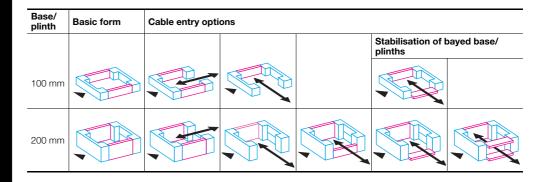
One Model No.

for the base/

plinth trim panels, sides

One Model No for the base/plinth corner pieces with base/plinth trim panels, front and rear

One complete base/plinth VX

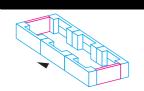


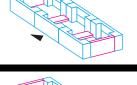
#### **Configuration examples**

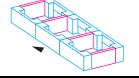
Order includes		Functional benefits	
3 packs 1 pack	Base/plinth corner pieces with base/plinth trim panels Base/plinth trim panels, sides, 200 mm high	Continuous cable chamber	
3 packs 1 pack 1 pack 1 pack 1 pack	Base/plinth corner pieces with base/plinth trim panels Base/plinth trim panels, sides, 200 mm high Base/plinth trim panels, sides, 100 mm high Baying brackets, internal (8617.500, packs of 6) 4 pc(s). are required for this solution	Additional stability during transportation with base/plinth trim panels rotated through 90°	
	Base/plinth corner pieces with base/plinth trim panels Base/plinth trim panels, sides, 200 mm high	Shielding of the base/plinths from one another	

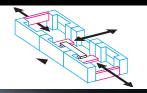
Other options:

- Cable entry at the side by fitting a 100 mm base/plinth trim panel with brush strip
- Cable entry from the rear by dismantling one or more trim panels from the base/plinth corner pieces and replacing them with trim panels with brush strips
- Cable routing in the base/plinth by using punched sections with mounting flanges on the base/plinth trim panels









#### Base/plinth system VX

#### Base/plinth corner pieces with base/plinth trim panels, front and rear Sheet steel

#### for VX, TS, TS IT, SE, CM, TP, PC, IW, TE

High-load capacity base/plinth corner pieces with moulded self-positioning to the baying enclosure system VX25, may be used with or without base/ plinth trim panels depending on the application. Large openings in the corner piece for optimum access to the screw-fastening point, may be concealed with a plastic corner and baying cover.

#### Material:

- Base/plinth corner piece: Sheet steel
  Base/plinth trim panel front/rear: Sheet steel
- Base/plinth trim panel front/rear: Sheet ste
   Corner and baying cover: Plastic

#### Colour:

- RAL 9005

#### 100 mm high supply includes:

- 4 base/plinth corner pieces, 100 mm high

- 4 corner covers
- 1 baying cover
- 2 base/plinth trim panels, front/rear, 100 mm high
  Assembly parts

#### 200 mm high supply includes:

- 4 base/plinth corner pieces, 200 mm high
- 4 corner covers
- 1 baying cover
- 1 base/plinth trim panel, front/rear, 200 mm high
- 2 base/plinth trim panels, front/rear, 100 mm high
- Assembly parts

#### 100 mm high

For enclosure width mm	Model No.
300	8620.000
400	8620.001
600	8620.002
800	8620.003
850	8620.004
1000	8620.005
1100	8620.006
1200	8620.007
1600	8620.008
1800	8620.009

#### 200 mm high

For enclosure width mm	Model No.
300	8620.020
400	8620.021
600	8620.022
800	8620.023
1000	8620.024
1200	8620.025
1600	8620.026
1800	8620.027

### Also required:

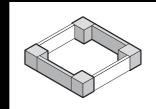
 Base/plinth trim panels, sides, to finish off a unit, for additional stabilisation between base/plinths, or for interior configuration, see page 14

#### Accessories:

- Base/plinth trim panels with brush strip, see page 14
- Base/plinth trim panels, vented, see page 15
- Base/plinth installation bracket, see page 18
- Levelling component for base/plinth, see page 18
- Base mounting plate, see page 17
- Base/plinth adaptor for twin castors and levelling feet, see page 21
- Baying bracket, internal, see page 16
- Transport castors for base/plinth VX, see page 17

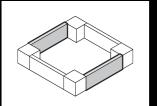






#### Base/plinth system VX





#### Base/plinth trim panels, sides Sheet steel

To finish off a base/plinth unit at the sides and for additional stabilisation or for the interior configuration of bayed base/plinths. One 200 mm high or two 100 mm high trim panels may optionally be fitted on 200 mm high base/plinths.

#### Material:

Sheet steel

Colour:

- RAL 9005

#### Supply includes:

- 2 base/plinth trim panels
- Assembly parts

#### 100 mm high

For enclosure depth mm	Model No.
300	8620.030
400	8620.031
500	8620.032
600	8620.033
800	8620.034
1000	8620.035
1200	8620.036

#### 200 mm high

For enclosure depth	
mm	Model No.
300	8620.040
400	8620.041
500	8620.042
600	8620.043
800	8620.044
1000	8620.045
1200	8620.046



Base/plinth installation bracket, see page 18

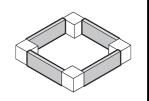


Base/plinth trim panels with brush strip,

see page 14

- Base/plinth trim panels, vented, see page 15





## Base/plinth trim panels with brush strip

#### Sheet steel

For cable entry in the base/plinth. With a base/plinth height of 200 mm, one or two trim panels with brush strips may optionally be used. Thanks to the complete symmetry of the base/plinth system VX, the trim panels with brush strip may either be fitted at the front, rear or side on the base/plinth corner piece.

#### Material:

- Base/plinth trims: Sheet steel
- Brush strip: Plastic, self-extinguishing
- Colour:
- RAL 9005

#### Supply includes:

- 2 base/plinth trim panels with brush strip
- Assembly parts

For enclosure width/depth mm	Model No.
600	8620.092
800	8620.093
1000	8620.094
1200	8620.095

### **Base/plinth system VX**

#### Base/plinth trim panels, vented Sheet steel

For venting the enclosure via the base/plinth. Specifically in applications such as power distribution where the enclosure gland plates are not used, this can be used to achieve a higher air throughput inside the enclosure. Various solutions to raise the roof and special roof plates with vent openings are also available for enclosure venting. With a 200 mm base/plinth height, one or two vented trim panels may optionally be used. Thanks to the complete symmetry of the base/plinth system VX, the vented trim panels may either be fitted at the front, rear or side on the base/plinth corner piece.

#### Material:

- Sheet steel

#### Colour:

#### - RAL 9005

#### Supply includes:

- 2 base/plinth trim panels, vented - Assembly parts for mounting on the base/plinth corner piece

#### Filter mat

#### for base/plinth trim panel, vented The filter mat is simply inserted into the trim panel from the rear.

#### Supply includes:

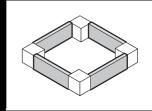
1 roll, length 3 m, may be shortened to required length

th Mode	osure width/depth Mod	el No.
8620	600 <b>862</b>	).090
8620	800 862	).091

#### Accessories:

- Base/plinth installation bracket, see page 18
- Filter mat, see page 15





P. of	Model No.
1 pc(s).	8620.100

#### **Base/plinth corner pieces** with base/plinth trim panels, front and rear

#### Stainless steel for VX, TS, SE

High-load capacity base/plinth corner pieces with moulded self-positioning to the enclosure, may be used with or without trim panels depending on the application. Large openings in the base/plinth corner piece for optimum access to the screwfastening point, may be concealed with a plastic corner and baying cover.

#### Material:

- Base/plinth corner piece: Stainless steel 1.4301 (AISI 304)
- Base/plinth trim panel front/rear: Stainless steel 1.4301 (AISI 304)
- Corner and baying cover: Plastic

#### Surface finish

Trim panels: Brushed, grain size 400

#### 100 mm high supply includes:

- 4 base/plinth corner pieces, 100 mm high
- 4 corner covers \_
- 1 baying cover
- 2 base/plinth trim panels, front/rear, 100 mm high - Assembly parts

#### 200 mm high supply includes: 4 base/plinth corner pieces, 200 mm high

- 4 corner covers
- \_ 1 baying cover
- 1 base/plinth trim panel, front/rear, 200 mm high
- 2 base/plinth trim panels, front/rear, 100 mm high
- \_ Assembly parts

For enclosure width mm	Height mm	Model No.
600	100	8620.050
800	100	8620.051
1000	100	8620.052
1200	100	8620.053
600	200	8620.060
800	200	8620.061
1000	200	8620.062
1200	200	8620.063

Base/plinth trim panels, sides, to finish off a unit,

for additional stabilisation between base/plinths,

or for interior configuration, see page 14

Base mounting plate, see page 17

Base/plinth installation bracket, see page 18

Levelling component for base/plinth, see page 18

Base/plinth adaptor for twin castors and levelling

Transport castors for base/plinth, see page 17

Also required:

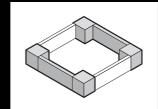
Accessories:

feet, see page 21

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#### **Base/plinth system VX**

#### Base/plinth trim panels, sides Stainless steel

To finish off a base/plinth unit at the side and for additional stabilisation or for interior configuration of bayed base/plinths. One 200 mm high or two 100 mm high trim panels may optionally be fitted on 200 mm high base/plinths.

#### Material:

Base/plinth trim panels: Stainless steel 1.4301 (AISI 304)

#### Surface finish:

- Brushed, grain size 400

#### Supply includes:

- 2 base/plinth trim panels - Assembly parts

Mod	Height mm	For enclosure depth mm
862	100	400
862	100	500
862	100	600
862	200	400
862	200	500
862	200	600



Base/plinth installation bracket, see page 18

#### Baying bracket, internal

- Fast, secure installation either from the front or from the side
- For all-round installation on the baying joint
- May be flexibly positioned to avoid collisions with installed equipment
- Also suitable for baying the VX base/plinth

#### svstem

Material:

Sheet steel

Surface finish: - Zinc-plated

#### Supply includes:

Baying bracket, internal
Baying seal

- Assembly parts

P. of	Model No.
6 pc(s).	8617.500





### **Base/plinth system VX**

#### **Transport castors**

For locating onto the base/plinth corner piece, 100 or 200 mm high.

- Load capacity:
- Maximum permissible load per twin castor: 1000 N

#### Supply includes:

- 4 twin castors, 2 x with, 2 x without locks

**Colour:** - RAL 9005

Floor clearance mm	Model No.
100	8100.700



Base/plinth trim panels, sides, for stabilisation, see page 14



ounting plate	P. of	Model No.
g the base/plinth to the floor.	10 pc(s).	2817.000
ly screws up to 12 mm Ø.		



#### Base me

For attaching For assembly

#### Material: - Sheet steel

#### Surface finish:

- Zinc-plated

#### **Base/plinth system VX**

#### **Base/plinth installation bracket** for base/plinth system VX, sheet steel and stainless steel

For configuring the base/plinth with punched sections with mounting flanges or cable clamp rails. To fit 100 and 200 mm high base/plinth trim panels in sheet steel and stainless steel.

#### Material:

Stainless steel 1.4301 (AISI 304)

#### Supply includes:

- 2 installation brackets
- 2 mounting brackets for cable clamp rail \_
- Assembly parts
- Note:
- For interior installation on upright base/plinth trim panels
- For base/plinth trim panels rotated through 90°, the installation bracket is not needed, because in this position, the system punchings of the base/ plinth trim panels may be used directly.

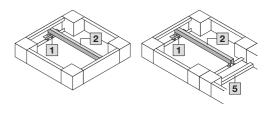
1 Installation bracket with mounting bracket for cable clamp rail

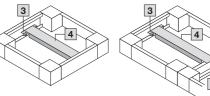
- 2 Cable clamp rail
- 3 Installation bracket
- 4 Punched section with mounting flange, 23 x 89 mm
- 5 Base/plinth trim panel, rotated through 90°

For base/plinth trim panel height mm	P. of	Model No.
100	2 pc(s).	8620.400
200	2 pc(s).	8020.400

#### + Accessories:

- Punched section with mounting flange,
- see page 20 Punched section with mounting flange,
- see page 21
- Cable clamp rail, see page 19









#### Levelling component

For retrospective levelling on uneven floors at the installation site up to a maximum of 15 mm. Installed through the base/plinth corner piece. Adjusted using a hex spanner, width across flats 19 mm.

#### Benefits:

- A door offset caused by uneven flooring can be corrected
- Installed on the assembled enclosure, i.e. no need to plan levelling in advance

Load capacity: - Max. admissible load: 2500 N per levelling component (check the load capacity of the floor).

#### Supply includes:

Assembly parts

For base/plinth height mm	P. of	Model No.
100	4 pc(s).	8100.710
200	4 pc(s).	8100.711



### Base/plinth system VX

#### Cable clamp rail

**Right angle section** For strain relief with cable entry. Depth-variable mounting on a 25 mm pitch pattern on the horizontal enclosure section or in the base/plinth.

For fastening the cables to the cable clamp rails.

- Material:
- SteelSurface finish:
- Zinc-plated
- Supply includes:

-	Assembly	parts
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Cable clamp

Material:

Sheet steel

Surface finish:

Zinc-plated

Supply includes:

Plastic insert

for cable clamp rails

	P. of	Model No.
2	2 pc(s).	8619.400
2	2 pc(s).	8619.410
2	2 pc(s).	8619.420
2	2 pc(s).	8619.430
2	2 pc(s).	8619.440
2	2 pc(s).	8619.450
2	2 pc(s).	8619.460



For cable diameter

mm

6 - 12

12 – 16

14 – 18

18 – 22

22 – 26

26 - 30

30 - 34

34 - 38

38 – 42

42 – 46

46 - 50

- Base/plinth installation bracket, see page 18

P. of

25 pc(s).

Model No.

2350.000

2351.000

2352.000

2353.000

2354.000

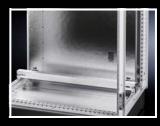
2355.000

2356.000

2357.000 2358.000

2359.000

2360.000









#### C rail 30/15 to EN 60 715

#### Installation options:

- On the inner mounting level, on the enclosure section
- In combination with the base/plinth installation bracket in the VX base/plinth system

#### Material:

#### Sheet steel

Surface finish: - Zinc-plated

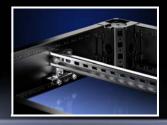
For enclosure width/ depth mm	Length mm	P. of	Model No.
500	455	6 pc(s).	4943.000
600	555	6 pc(s).	4944.000
800	755	6 pc(s).	4945.000
1000	955	6 pc(s).	4946.000
1200	1155	6 pc(s).	4947.000

### + Accessories:

#### - Cable clamps, see page 20







### Base/plinth system VX





Cable clamp for C rails For attaching the cables to the C rails.	For cable diameter mm	P. of	Model No.
8	6 - 14	25 pc(s).	7077.000
Material:	12 – 18	25 pc(s).	7078.000
- Sheet steel	18 – 22	25 pc(s).	7097.000
Surface finish:	22 – 26	25 pc(s).	7097.220
- Zinc-plated	26 - 30	25 pc(s).	7097.260
Supply includes:	30 - 34	25 pc(s).	7097.300
<ul> <li>Plastic insert</li> </ul>	34 – 38	25 pc(s).	7097.340
	38 – 42	25 pc(s).	7098.000
	42 – 56	25 pc(s).	7098.100
	56 - 64	25 pc(s).	7099.000



- C rails, see from page 19









## Punched section with mounting flange, 23 x 64 mm

For variable, individual interior installation of the enclosure frame on the inner mounting level. Simply locate into punchings and screw-fasten. System punchings on all four sides. With slots at the top and bottom for cage nuts, for attaching your own components via metric screws.

#### Installation options: ■ On the inner mount

- On the inner mounting level, on the enclosure section
- On identical punched sections with mounting flanges
- Base/plinth system VX in the width and depth, combined with a base/plinth installation bracket
- Material:
- Sheet steel
- Surface finish:
- Zinc-plated

Supply includes:

Assembly parts

#### Dimensions P. of Model No. mm 300 4 pc(s). 8617.100 400 4 pc(s). 8617.110 500 8617.120 4 pc(s). 600 4 pc(s). 8617.130 800 4 pc(s). 8617.140 1000 4 pc(s). 8617.150 8617.160 1200 4 pc(s). 1400 8617.170 4 pc(s). 1600 4 pc(s). 8617.180 1800 4 pc(s). 8617.190 2000 8617.200 4 pc(s). 2200 8617.210 4 pc(s).



- Base/plinth installation bracket, see page 18

#### Base/plinth system VX

## Punched section with mounting flange, 23 x 89 mm

For variable, individual interior installation of the enclosure frame on the inner mounting level. Simply locate into punchings and screw-fasten. System punchings on all four sides. With slots at the top and bottom for cage nuts, for attaching your own components via metric screws Especially for cable routing in the base/plinth system VX, stainless steel and for the installation of busbar supports (nonmagnetic stainless steel).

#### Installation options:

- On the inner mounting level, on the enclosure section
- On identical punched sections with mounting flanges
- Base/plinth system VX, stainless steel, in the width and depth, combined with a base/plinth installation bracket

#### Material:

#### Stainless steel

#### Supply includes:

Assembly parts

For enclosure width/depth mm	P. of	Model No.
400	2 pc(s).	8100.730
500	2 pc(s).	8100.731
600	2 pc(s).	8100.732
800	2 pc(s).	8100.733

#### + Accessories:

- Base/plinth installation bracket, see page 18







#### **Base/plinth adaptor**

#### for twin castors and levelling feet

For mounting twin castors and levelling feet to the VX base/plinth system.

Material	P. of	Model No.
Sheet steel	4 pc(s).	8100.770
Stainless steel	4 pc(s).	8100.771



#### Note:

 When fitting twin castors, side trim panels, see page 14, are required.

### **Base/plinth system VX**







#### Levelling feet

**18 – 43 mm high** To compensate for height differences with floor irregularities. Mounting thread M12.

Load capacity:
 Max. admissible load: approx. 3000 N per levelling foot

Material	P. of	Model No.
Sheet steel	4 pc(s).	4612.000
Stainless steel	4 pc(s).	8100.780

#### **Twin castors**

For mobile use, for mounting directly on the enclosure. Mounting thread M12 x 20.

#### ľ

For mounting on the base/plinth: Base/plinth adaptor for twin castors, see page 21

м	lodel No.	6148.000
C	olour	Black with grey running surface
	of	4 pc(s).
ך Lo	ock	2 with, 2 without
Fl	oor clearance	85 mm
	laximum admissible load er castor)	750 N

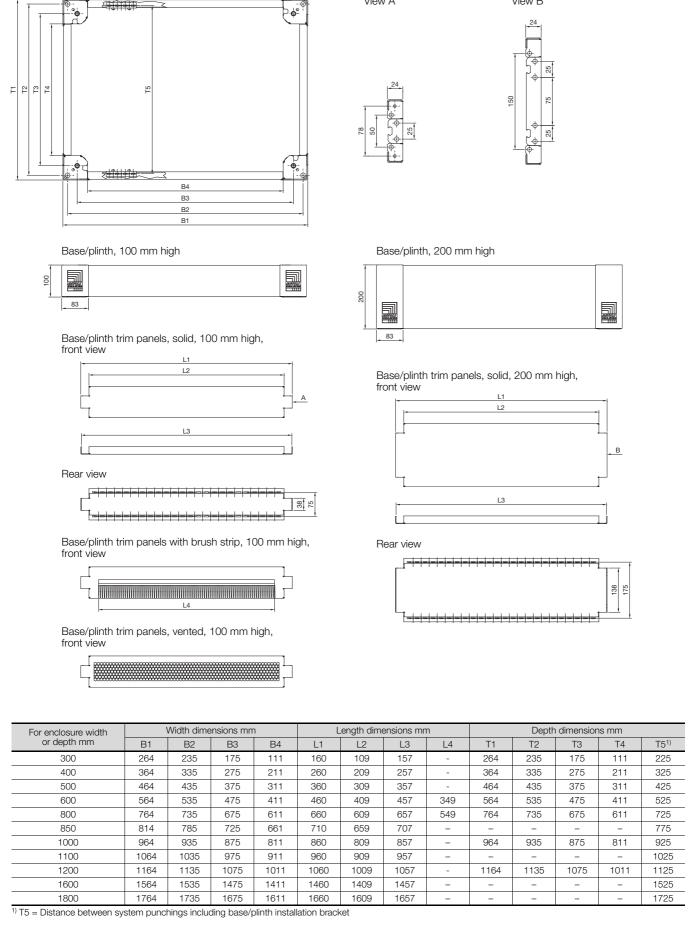
	Maximum admissible load (per castor)	1200 N
	Floor clearance	125 mm
2	Lock	2 with, 2 without
	P. of	4 pc(s).
	Colour	Black
	Model No.	7495.000

### Also required:

### Technical details

### Base/plinth system VX25

View B



View A

# Rittal – The System.

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