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Rittal – The System.

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Base

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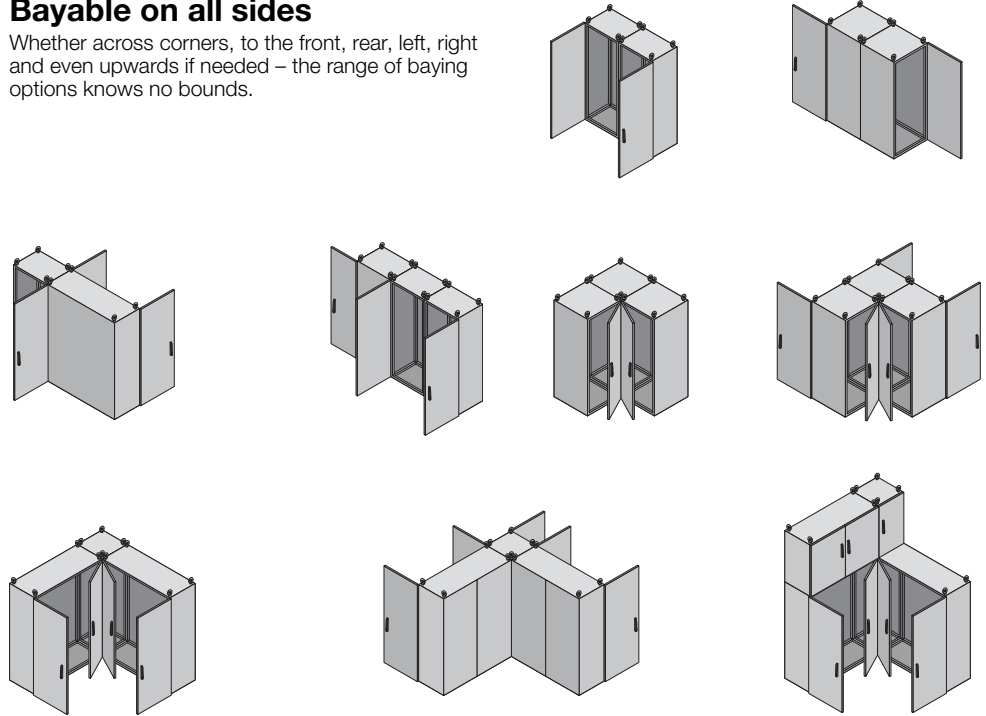
Baying Systems

Baying



Bayable on all sides

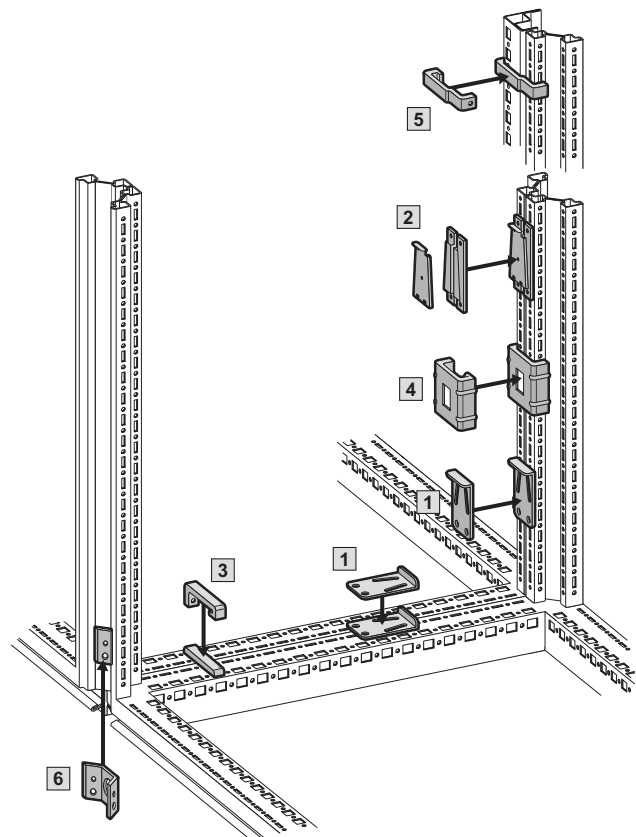
Whether across corners, to the front, rear, left, right and even upwards if needed – the range of baying options knows no bounds.



For baying at the installation site or temporary assembly in the workshop

- 1 Quick-fit baying connector, one-piece
- 2 Quick-fit baying connector, three-piece
- 3 Baying clamp, horizontal
- 4 Baying clamp, vertical, for TS/TS
- 5 Baying clamp, vertical, for TS/PS
- 6 Baying connector, external

Notes on transporting bayed enclosures, see page 462.



1 Quick-Fit Baying Connector, One-Piece

for TS/TS

Simply attach the screws, insert the quick-release baying connector, tap in with a hammer and secure.

Material:

– Carbon steel

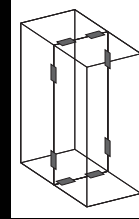
Surface finish:

– Zinc-plated

Supply includes:

– Assembly components

Packs of	Model No.
6 pc(s).	8800.500



2 Quick-Fit Baying Connector, Three-Piece

for TS/TS

Simply slot in place, connect using the lock plate and secure.

Material:

– Carbon steel

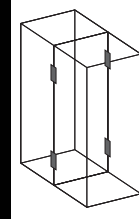
Surface finish:

– Zinc-plated

Supply includes:

– Assembly components

Packs of	Model No.
6 pc(s).	8800.590



3 Baying Clamp, Horizontal

for TS/TS, TS/PS

To mount on horizontal enclosure profiles.

Material:

– Cast steel

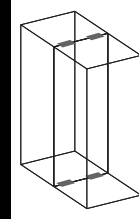
Surface finish:

– Zinc-plated

Supply includes:

– Assembly components

Packs of	Model No.
4 pc(s).	8800.400



4 Baying Clamp, Vertical

for TS/TS

To mount on vertical enclosure profiles.

Material:

– Carbon steel

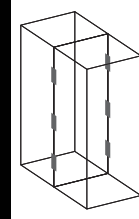
Surface finish:

– Zinc-plated

Supply includes:

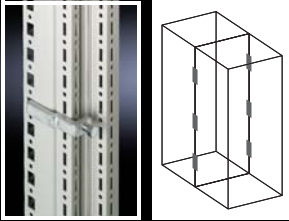
– Assembly components

Packs of	Model No.
6 pc(s).	8800.410



Baying Systems

Baying



5 Baying Clamp, Vertical

for TS/PS

To mount on vertical enclosure profiles.

Material:

- Cast steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly components

Packs of	Model No.
6 pc(s).	8800.420



6 Baying Connector, External

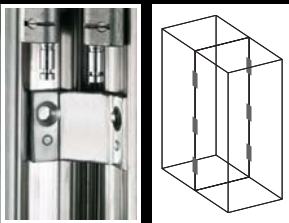
for TS/TS

To mount on vertical enclosure profiles. Locate on the exterior and screw-fasten either from the inside or the outside.

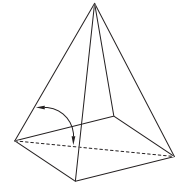
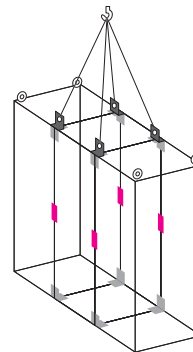
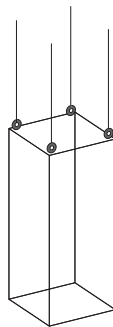
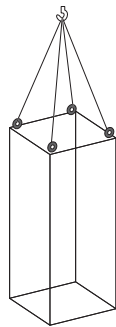
Supply includes:

- Assembly components

Material/surface	Packs of	Model No.
Carbon steel, zinc-plated	6 pc(s).	8800.490
Stainless steel 1.4301 (AISI 304)	6 pc(s).	8700.000



Notes on Transporting Bayed Enclosures



Individual enclosures are safely transported using the transportation eyebolts in the scope of supply. The following permitted total loads apply as long as loading is symmetrical:

- at 45° rope pull angle, 4,800 N
- at 60° rope pull angle, 6,400 N
- at 90° rope pull angle, 13,600 N

Note:

- The transportation eyebolts must be lined up with the rope pull direction

In the enclosure combination shown here with angular baying brackets, baying connectors and combination brackets, the loading capacity at a rope pull angle of 60° is:
7,000 N for the left enclosure
14,000 N for the middle enclosure
7,000 N for the right enclosure

The rope pull angle between the roof plate and the rope heavily influences the permitted total load.

The rope pull angle must never be less than 45° and angles of less than 60° should be avoided wherever possible.

For Transporting Bayed Enclosures

- 7 Angular baying brackets for TS/TS
- 8 Baying brackets for TS/TS and TS/PS

Note:

- The external baying connector (see page 462) can also be used as reinforcement
- When transporting large and heavy enclosure combinations, we recommend also using combination brackets 4540.000, see page 464

! Also required:

- For protection category IP 55: One quick-fit baying connector at each half enclosure height, see page 461

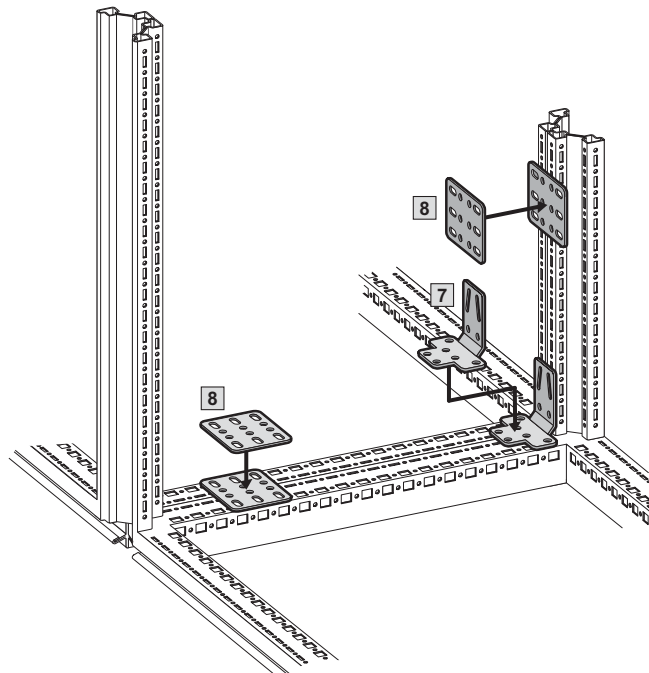
Notes on transporting bayed enclosures, see page 462

Example A

- 1 2 quick-fit baying connectors
8800.500
(see page 461)
- 7 4 angular baying brackets
8800.430
(see page 463)

Example B

- 1 2 quick-fit baying connectors
8800.500
(see page 461)
 - 7 2 angular baying brackets
8800.430
(see page 463)
 - 8 4 baying brackets
4582.500
(see page 464)
- If the baying brackets cannot be fitted in the frontmost installation position due to attached equipment, e.g. large pivoting frame



7 Angular Baying Bracket for TS/TS

To provide a sturdy joint when transporting bayed enclosure suites.

Optional screw-fastening

- horizontal and vertical with 8 sheet metal screws
- horizontal with 2 screws and speed nuts M8, vertical with 4 sheet metal screws

Material:

- Carbon steel

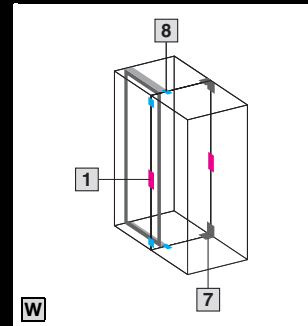
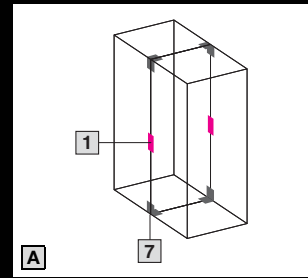
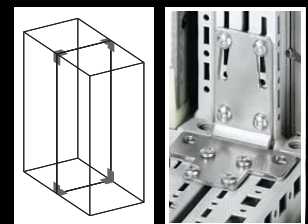
Surface finish:

- Zinc-plated

Supply includes:

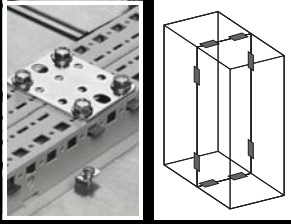
- Assembly components

Packs of	Model No.
4 pc(s).	8800.430



Baying Systems

Baying



8 Baying Brackets

for TS/TS and TS/PS

For additional stabilization or if an angular baying bracket cannot be installed due to other equipment, such as:

- Mounting plate bracket
- Pivoting frame
- Busbar supports

Material:

- Carbon steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly components

Packs of	Model No.
4 pc(s).	4582.500

+ Accessories:

- For mounting on the vertical TS enclosure profile: Snap-on nut M8, 8800.808, see page 533



Angular Baying Bracket

The alternative to baying bracket 4582.500 and for individual interior fittings.

Material:

- Carbon steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly components

Packs of	Model No.
4 pc(s).	4582.000

! Also required:

- For mounting on the horizontal TS enclosure profile: Captive nuts/threaded blocks M8, see page 538
- For mounting on the vertical TS enclosure profile: Snap-on nut M8, 8800.808, see page 533



Combination Bracket

For optimum distribution of tensile forces during transportation of bayed enclosures by crane.

Material:

- Carbon steel

Surface finish:

- Zinc-plated

Supply includes:

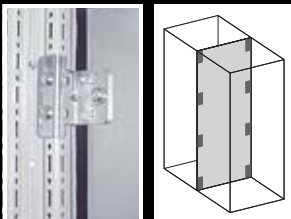
- Assembly components

Packs of	Model No.
4 pc(s).	4540.000

+ Accessories:

- Top baying cover, see page 466

Notes on transporting bayed enclosures, see page 462



Baying Attachment, Vertical

for TS/TS with partition wall

Only suitable for mounting in conjunction with the divider panel angle brackets (included with the supply).

Material:

- Carbon steel

Surface finish:

- Zinc-plated

Supply includes:

- Assembly components

Packs of	Model No.
8 pc(s).	8800.470

Note:

- May also be used for side or rear wall attachment/fastening of enclosures. In such cases, additional holes must be drilled in the side or rear panel.

Baying Attachment, Vertical for TS/TS

For baying two populated enclosures on the vertical enclosure profile.

Locate in the vertical TS punchings, secure and join the two brackets using the hex screws supplied. Using the fastening bolts, the enclosure is pulled into a defined end position, with a height or side offset of up to ± 2 mm.

Material:

- Carbon steel

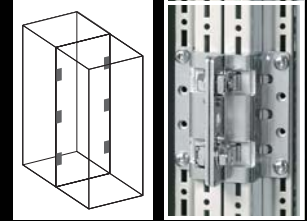
Surface finish:

- Zinc-plated

Supply includes:

- Assembly components

Packs of	Model No.
6 pc(s).	8800.670



Baying Cover, Vertical

To align the gap between the side panels when baying back-to-back. For enclosure height 2200 mm, or cut to length individually for lower heights.

Material:

- Cover section: Plastic

Color:

- RAL 7035

Supply includes:

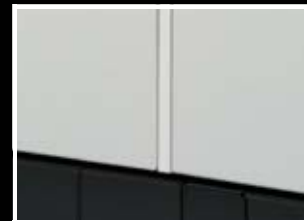
- Assembly components

Packs of	Model No.
2 pc(s).	8800.870



Also required:

- Baying connector, external, 8800.490, see page 462



Baying Connector, Horizontal for back-to-back mounting

Two-piece for in site assembly of enclosures with mounting plate in the rearmost installation position.

Material:

- Carbon steel

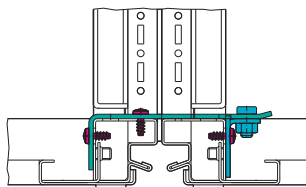
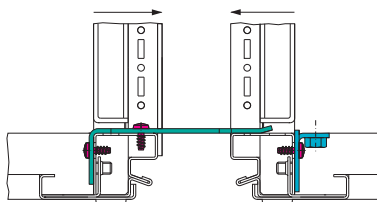
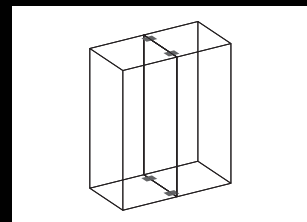
Surface finish:

- Zinc-plated

Supply includes:

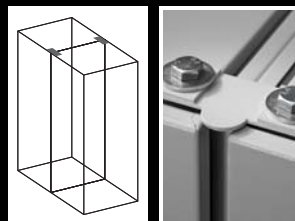
- Assembly components

Packs of	Model No.
4 pc(s).	8800.170



Baying Systems

Baying



Baying Cover, Top

A clip-in cover with two end caps is also available to cover the seal between two enclosures. This helps to prevent dirt and moisture from collecting on the baying seal.

Supply includes:

- Assembly components
- 2 end caps

Note:

- Can also be fitted along the width of enclosures bayed back-to-back.
- Can be used in conjunction with dust guard trim, see page 500

For enclosure depth inches (mm)	Packs of	Plastic RAL 7035	Stainless steel 1.4301 (AISI 304)	Model No.
16 (400)	1 pc(s).	■	-	8800.845
20 (500)	1 pc(s).	■	-	8800.855
24 (600)	1 pc(s).	■	-	8800.865
32 (800)	1 pc(s).	■	-	8800.885
47 (1200)	1 pc(s).	■	-	8800.825
16 (400)	1 pc(s).	-	■	8700.140
20 (500)	1 pc(s).	-	■	8700.150
24 (600)	1 pc(s).	-	■	8700.160

Baying Connector, External

for TS IT/TS IT with side panels

For retrospective baying of enclosures with screw-fastened or lockable side panels.

Material:

- Carbon steel

Color:

- RAL 7035

Supply includes:

- Assembly components

Packs of	Model No.
4 pc(s).	7824.540

Baying Kit

for KL, AE

Special screws and nuts

- for quick and easy assembly without thread-tapping.
- keep the compression of the seal to a defined level to ensure a durable seal between the enclosures.

Seal, self-adhesive

- made up of bayable sealing components and corner pieces for individual adaptation to different housing sizes

One pack is sufficient for a baying point up to H x D = 800 x 350 mm

Supply includes:

- Sealing elements
- Assembly components

Packs of	Model No.
1 set(s)	1199.100