Rittal – The System.
Faster – better – everywhere.

TS 8 rail systems – Infinite possibilities
TS 8 rail systems

Flexibility at all levels

It all fits together perfectly – no corner, no level in the enclosure is left unused. This facilitates high packaging densities and significantly reduced enclosure volumes. Allow us to inspire you, and give it a try.

- Simple installation without machining
- Identical pitch pattern in the width and depth
- High static load capacity, even for heavy installations
- Easily used in combination with mounting plates and partial mounting plates
TS 8 baying systems

Installation examples with TS system rails

Clearance width
Depending on attachment, the following values apply to the clearance between the mounting levels:
- Outer mounting level = Enclosure width and depth minus 42 mm
- Inner mounting level = Enclosure width and depth minus 88 mm

Roof installation
- Installation with:
  - PS punched section with mounting flange
  - PS punched section without mounting flange
  - PS punched rail in three mounting variants
  - TS punched rails
  - TS punched section without mounting flange
  - TS punched section with mounting flange

TS 8 rails for the outer level
- TS punched section with mounting flange
- TS support strip
- TS punched rail
Benefits:
- Largest clearance width
- May be installed directly, on one level all round

TS 8 rails, PS rail for the inner level
- TS punched section with mounting flange
- TS support strip
- PS punched section without mounting flange, with TS support bracket
Benefits:
- Use of a second level
- Height-offset mounting all-round

With adaptor rail for PS compatibility
- On one level all round with:
  - PS punched section without mounting flange, with PS support bracket
  - PS punched rail with PS angle bracket, mounting bracket or support bracket

With adaptor rail for PS compatibility
- Height-offset in the width and depth with:
  - PS punched section with mounting flange
  - PS punched rail with mounting bracket
  - TS punched rail

Base installation
- Installation with:
  - Cable clamp rails
  - C rails 30/15 with bracket/spacer
  - System support rails
  - Support rail
  - TS punched rails
Installation examples with TS system rails

**Cover installation**
Punched sections and rails may be mounted on the horizontal enclosure sections in both the width and depth.

**Installation accessories**

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
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<td>TS support strip for the outer level</td>
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<td>3</td>
<td>TS punched rail 18 x 38 mm for the horizontal enclosure sections</td>
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<td>Adaptor rail for TS compatibility</td>
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<td>PS punched section without mounting flange 23 x 73 mm, with TS support bracket</td>
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<td>PS punched section without mounting flange 23 x 73 mm with PS support bracket</td>
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<td>10</td>
<td>TS punched rail 23 x 23 mm with PS support bracket (alternatively with one or</td>
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<tr>
<td>11</td>
<td>two punched rails 23 x 23 mm)</td>
</tr>
<tr>
<td>12</td>
<td>PS punched section with mounting flange 23 x 73 mm</td>
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<td>Support rail</td>
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<td>18</td>
<td>TS punched section without mounting flange 45 x 88 mm</td>
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<td>19</td>
<td>PS punched rail 25 x 38 mm with snap-on nut</td>
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<td>PS punched rail 23 x 23 mm with TS mounting bracket</td>
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Two TS punched rails 18 x 38 mm are included in the supply of enclosures with a mounting plate to serve as an installation aid. After installing the mounting plate, the TS punched rail may be inserted, as shown here.

**Base installation**
Punched sections and rails may be mounted on the horizontal enclosure sections in both the width and depth.
Attachment may be made at any point in the TS 8 enclosure space. Not only with horizontal rail installations directly between the TS sections, but by combining vertical and horizontal rails, any given mounting level in the width, height and depth may be achieved.

Vertical mounting levels

The basis for a second mounting level across the entire enclosure height is quickly achieved, e.g. with two PS punched sections without mounting flanges 23 x 73 mm 9. Between these two sections, configuration may be achieved with PS punched rails 10, 11 and 13, with PS punched sections without mounting flanges 9 and PS punched sections with mounting flanges 12. When using the adaptor rail for PS compatibility 8, installation is easily achieved across a suitable sub-height, or with suitable enclosure dimensions, across a sub-width or sub-depth.

Installation accessories
(Consecutive numbering in accordance with diagram on page 4)

- 6 TS punched section with mounting flange 23 x 73 mm for the inner level
- 7 PS punched section without mounting flange 23 x 73 mm, with TS support bracket (alternatively with one or two punched rails 23 x 23 mm)
- 8 Adaptor rail for PS compatibility
- 9 PS punched section without mounting flange 23 x 73 mm with PS support bracket
- 10 PS punched rail 23 x 23 mm with angle bracket
- 11 PS punched rails 23 x 23 mm with PS support bracket (alternatively with one or two punched rails 23 x 23 mm)
- 12 PS punched section with mounting flange 23 x 73 mm
- 13 PS punched rail 23 x 23 mm with PS mounting bracket

If PS punched rails or PS punched sections without mounting flanges are installed vertically on roof or base frames, a PS rail is also required for horizontal sub-division.
**Vertical outer mounting level**

Optimum space utilisation and super-fast assembly by mounting the TS punched section with mounting flange directly onto the outer level of the TS 8 vertical section. Simply snap into position and secure!

**Installation accessories**
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<sup>1)</sup> Two TS punched rails 18 x 38 mm are included in the supply of enclosures with a mounting plate to serve as an installation aid. After installing the mounting plate, the TS punched rail may be inserted, as shown here.

**Vertical inner mounting level**

Separate utilisation of the inner level of the TS 8 vertical section, irrespective of the outer level, creates additional opportunities. Even in one enclosure, all installation systems may complement one another perfectly for brand new, customer-specific solutions. Infinite possibilities! Simply snap into position, secure, and voila! Super-fast assembly by mounting the TS punched section with mounting flange directly onto the inner level of the TS 8 vertical section.

**Installation accessories**
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- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

TS 8 – Full details are available at:

www.rittal.com/02ts8