

# Rittal – The System.

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# Rittal – The System.

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# System Accessories

## Base/Plinth

Flex-Block Base/Plinth System .....	424
TS Base/Plinth .....	426
Base/Plinth .....	433

## Base

Base .....	435
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## Walls

Sidewalls .....	450
Partition Walls .....	453
Interconnect Kit .....	458

## Baying Systems

Baying .....	460
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## Doors/Locks

Door Models .....	467
Expansion Accessories for TS Modular Front Design .....	469
Viewing Windows/Operating Panels .....	473
Lock Systems .....	478
Hinges .....	492
Door, External/Internal .....	493

## Roof/Wall Mounting

Roof .....	499
Wall Mounting .....	503

## Interior Fittings

Mounting Plates .....	507
Rail Systems .....	514
Assembly Components .....	533
Component Shelves .....	540
System Lights .....	545
EMC .....	551
Interior Fittings for Areas at Risk of Earthquake .....	554
Grounding .....	555

## Cable Routing

Cable Entry .....	561
Flange Plates .....	564
Cable Gland .....	568
Cable Gland .....	569
Cable Management .....	572
Cable Routing 19" .....	582

## 19" Installation System

Pivoting Frame .....	587
Accessories for Data Rack .....	591
Profile Rails .....	592
Slide Rails .....	596
19" Fittings .....	598
Patch Panels .....	603
Splicing Boxes .....	604

## Human/Machine Interface

Handles .....	605
External Mounting Accessories .....	607
Front Fittings .....	608
Keyboards, Supports and Drawers .....	610
Interfaces .....	617
Signal Pillars .....	619

## Technical Information

RittalXpress .....	622
CE/Grounding/HD/Model Numbers .....	623
Protection Categories .....	624
NEMA .....	625
Approvals/Equipment Grounding Conductor .....	627
Coating/Spray Finish .....	628



### Mounting Plates

#### for KL and KL-HD

For component installation outside of the housing.  
Assembly screws in the housing accessories.

#### Material:

- Carbon steel, 2 mm

#### Surface finish:

- Zinc-plated



#### Accessories:

- Self-tapping screws 2487.000, see page 539

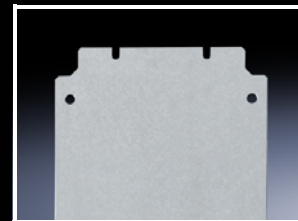


#### Possible alternative:

- Support rails, see page 530

#### Technical details:

Available on the Internet



For dimension, inches (mm)	For Model no. for KL and KL-HD	Model No.
6 x 6 (150 x 150)	1500.510, 1514.510, 1521.010, 1527.010, 1670.600, 1671.600	<b>1560.700</b>
8 x 6 (200 x 150)	1528.510, 1529.510	<b>1575.700</b>
12 x 6 (300 x 150)	1501.510, 1515.510, 1522.010, 1530.510	<b>1561.700</b>
16 x 6 (400 x 150)	1589.510	<b>1576.700</b>
8 x 8 (200 x 200)	1502.510, 1516.510, 1523.010, 1528.010, 1672.600	<b>1562.700</b>
12 x 8 (300 x 200)	1503.510, 1517.510, 1524.010, 1529.010, 1531.510, 1674.600	<b>1563.700</b>
16 x 8 (400 x 200)	1504.510, 1518.510, 1525.010, 1532.510, 1675.600	<b>1564.700</b>
20 x 8 (500 x 200)	1505.510, 1533.510	<b>1565.700</b>
24 x 8 (600 x 200)	1506.510, 1519.510, 1534.510	<b>1566.700</b>
32 x 8 (800 x 200)	1527.510, 1542.510	<b>1574.700</b>
12 x 12 (300 x 300)	1507.510, 1526.010, 1535.510	<b>1567.700</b>
16 x 12 (400 x 300)	1508.510, 1530.010, 1536.510, 1676.600	<b>1568.700</b>
20 x 12 (500 x 300)	1509.510, 1537.510	<b>1569.700</b>
24 x 12 (600 x 300)	1510.510, 1538.510	<b>1570.700</b>
16 x 16 (400 x 400)	1511.510, 1539.510	<b>1571.700</b>
24 x 16 (600 x 400)	1512.510, 1540.510	<b>1572.700</b>
32 x 16 (800 x 400)	1513.510, 1541.510	<b>1573.700</b>

### Mounting Plate

#### for TS, 400 mm wide

Depth-adjustable in 25 mm stages.

#### Material:

- Carbon steel, 3 mm

#### Surface finish:

- Zinc-plated

#### Supply includes:

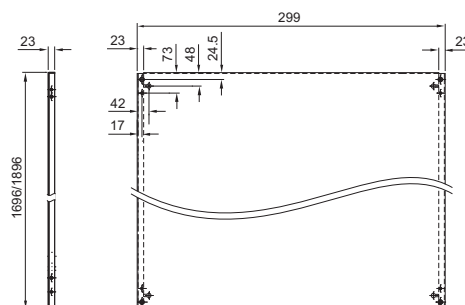
- Assembly components



#### Accessories:

- TS punched rail 18 x 38 mm, as mounting plate slide rail, see page 525
- TS width divider, for installation in wider enclosures, see page 438

For enclosure height inches (mm)	Model No.
71 (1800)	<b>8614.180</b>
79 (2000)	<b>8614.200</b>



### Mounting Plate Infill

#### for TS

For a continuous mounting surface in bayed suites where the mounting plate is set forward.

#### Material:

- Carbon steel, 2 mm

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly components

For enclosure height inches (mm)	Model No.
71 (1800)	<b>4590.700</b>
79 (2000)	<b>4591.700</b>
87 (2200)	<b>4592.700</b>



# Interior Fittings

## Mounting Plates

### Mounting Plate Attachment

For additional clamping and to reduce potential vibration in the mounting plate. Select according to mounting position, installation type and enclosure.

**Material:**

- Carbon steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly components



**For TS, SE**

Installation options:

- Side, at half height in conjunction with mounting plate infill
- In the penultimate position
- Set forward (supplied state)

Advantage:

No impairment to the mounting surface, but mounting is only possible from the enclosure rear

Packs of	Model No.
10 pc(s).	<b>8800.630</b>

**+ Accessories:**

- Mounting plate infill, see page 507



**For TS, SE**

Installation options:

- Side
- Rear, flush with enclosure frame

Advantage:

No impairment to the mounting surface, but mounting is only possible from the enclosure rear

Packs of	Model No.
10 pc(s).	<b>8800.610</b>



**For TS, SE**

Installation options:

- Side
- Rear, flush with enclosure frame
- Set forward on a 25 mm hole pattern

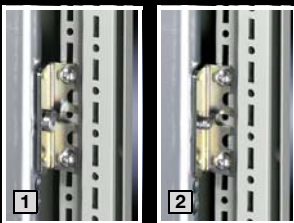
Advantage:

No impairment to the mounting surface, can be optionally used as a fastening or screw-connection

Packs of	Model No.
10 pc(s).	<b>8800.090</b>

**! Also required:**

- System chassis 17 x 73 mm for the inner mounting level, see page 522 (with Fig. 3)



1 Mounting plate secured in rearmost installation position using screw

2 Mounting plate screw-fastened in rearmost installation position from the rear-side

3 Mounting plate secured using a screw or screw-fastened in forward position (not shown)



**For TS, SE**

Installation options:

- Side
- Rear, flush with enclosure frame

Slide over the plate at the side and secure with screws. Additionally, the mounting plate may be drilled and screw-fastened at the rear C-edge.

Packs of	Model No.
10 pc(s).	<b>8800.050</b>

### Mounting Plate Attachment

For additional clamping and to reduce potential vibration in the mounting plate. Select according to mounting position, installation type and enclosure.

**Material:**

- Carbon steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly components

**For TS, SE**

Installation options:

- All-round
- Set forward on a 25 mm hole pattern

Slide in between the bar and plate from below or above or from the side, and secure with screws.

Packs of	Model No.
10 pc(s).	<b>4593.000</b>



**Also required:**

- Support strip (for inner level with TS), see page 525 or
- System chassis (for inner level with TS), see page 522 or
- Punched rails and punched sections, see page 526/527

**For TS, SE**

Installation options:

- Top and bottom to mounting plate
- Rear, flush with enclosure frame

Screw in the ring bracket behind the plate and secure with screws.

Packs of	Model No.
10 pc(s).	<b>4576.000</b>

### Installation Kit

**for mounting plates TS, SE, back-to-back**

The minimal distance between the two mounting plates ensures maximum installation depth for assemblies on both sides.

**Material:**

- Carbon steel

**Surface finish:**

- Zinc-plated

**Note:**

Build depth front and rear, with central installation = (enclosure depth - 48 mm): 2

Example:

8806.521 = depth 600 mm

Build depth = 2 x 276 mm

Packs of	Model No.
1 set(s)	<b>8800.280</b>



# Interior Fittings

## Mounting Plates



### Slide Rails

#### for TS mounting plate

For inserting at the sides.

- Mounting plate secured to the slide rails using captive nuts and screws.
- Slide rails mounted directly on the enclosure frame, depth-adjustable in 25 mm stages.

#### Technical specifications:

- Possible mounting depth T6 -25 mm, available on the Internet

#### Material:

- Carbon steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly components

For enclosure width inches (mm)	Packs of	Model No.
24 (600)	2 pc(s).	<b>8802.260</b>
32 (800)	2 pc(s).	<b>8802.280</b>
47 (1200)	2 pc(s).	<b>8802.220</b>

### Mounting Plate Depth Adjustment

#### for KS

Infinitely adjustable.

Other equipment can also be installed on a rail system in this way, rather than the mounting plate.

#### Material:

- Carbon steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly components

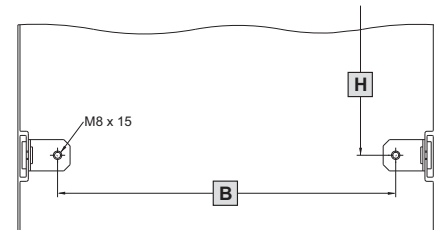
**H** Housing height:

- 150 mm

**B** Housing width:

- 76 mm (1481.000)
- 104 mm (1491.000)

For KS enclosures	Packs of	Model No.
1423.500, 1432.500, 1434.500, 1444.500, 1446.500, 1448.500, 1449.500, 1466.500, 1467.500	4 pc(s).	<b>1481.000</b>
1400.500, 1453.500, 1454.500, 1468.500, 1469.500, 1479.500, 1480.500	4 pc(s).	<b>1491.000</b>



## Mounting Plates

### Mounting Plate Attachment

for CM, TP one-piece console, TP pedestal  
for highly dynamic loads

Used if the mounting plate needs to be directly connected to a wall/support structure, e.g. when transporting enclosures (crane systems, etc.). Tested according to DIN EN 60 721 immunity test level 3 M4, with 150 kg weight evenly distributed on mounting plate. Simply fit in the existing holes in the prefitted mounting plate for:

#### Wall mounting from the inside

Direct using a bracket and wall/support-mounted housing.

#### Wall mounting from the outside

Screws for wall mounting brackets (see page 503) can easily be screwed into the plate nuts from the outside

#### Material:

– Carbon steel

#### Surface finish:

– Zinc-plated

#### Supply includes:

– Assembly components

Packs of	Model No.
1 set(s)	5001.075



### Cross-Braces for Mounting Plates

for TS, SE

Additional horizontal cross braces to dampen vibrations and/or for retrospective stabilization of wide mounting plates. The braces can also be used as an additional aid to secure heavy structural elements.

#### Material:

– Carbon steel

#### Surface finish:

– Zinc-plated

#### Supply includes:

– 2 sections  
– 4 clamps  
– 4 grub (set) screws M10 x 16 mm

For enclosure width inches (mm)	Model No.
47 (1200)	4333.120
63 (1600)	4333.160
71 (1800)	4333.180



### Transport Handles for Mounting Plates

for TS, SE

Can be used at any given position in the side C-fold. Thus

- Suitable for use at various heights
- optimized force transmission
- easy to use

Packs of	Model No.
2 pc(s).	2415.500





# Interior Fittings

## Mounting Plates



### Partial Mounting Plates

#### for TS, SE

For

- universal interior fittings also in combination with system chassis and mounting strips, faulty assemblies can be replaced quickly and easily
- additional mounting levels

Partial mounting plates are fastened directly onto the vertical enclosure profiles via the inner mounting level using the assembly components supplied loose. In this installation position (in both the width and the depth) they form one level with TS system chassis 17 x 73 mm and TS mounting strips for the inner mounting level.

#### Material:

- Carbon steel, 2.5 mm

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly components

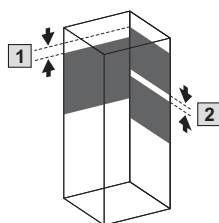


#### Accessories:

- TS system chassis 17 x 73 mm for the outer mounting level, see page 522
- TS support strips, see page 525
- Hinge attachment, see page 513
- Self-tapping screws, 2487.000, see page 539

For installation in										Dimensions inches (mm)	Packs of	Model No.
Enclosure width inches (mm)					Enclosure depth, side inches (mm)							
16 (400)	24 (600)	32 (800)	39 (1000)	47 (1200)	16 (400)	20 (500)	24 (600)	32 (800)				
■	■				■		■			20 x 12 (500 x 300)	1 pc(s).	<b>8614.640</b>
	■					■	■			20 x 16 (500 x 400)	1 pc(s).	<b>8614.650</b>
	■						■			20 x 20 (500 x 500)	1 pc(s).	<b>8614.660</b>
	■	■					■	■		20 x 28 (500 x 700)	1 pc(s).	<b>8614.680</b>
	■						■			20 x 31 (500 x 775)	1 pc(s).	<b>8614.675<sup>1)</sup></b>
■			■		■			■		28 x 12 (700 x 300)	1 pc(s).	<b>8614.840</b>
			■			■		■		28 x 16 (700 x 400)	1 pc(s).	<b>8614.850</b>
			■					■		28 x 28 (700 x 700)	1 pc(s).	<b>8614.880</b>
■				■	■					35 x 12 (900 x 300)	1 pc(s).	<b>8614.040</b>
				■		■				35 x 16 (900 x 400)	1 pc(s).	<b>8614.050</b>
	■			■				■		35 x 20 (900 x 500)	1 pc(s).	<b>8614.060</b>
■					■	■				43 x 12 (1100 x 300)	1 pc(s).	<b>8614.240</b>
					■		■			43 x 16 (1100 x 400)	1 pc(s).	<b>8614.250</b>
	■				■			■		43 x 20 (1100 x 500)	1 pc(s).	<b>8614.260</b>

<sup>1)</sup> Also suitable for installing in PC enclosures based on TS behind the lower front door

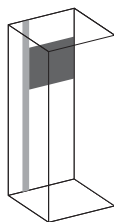


When **installing across corners** due to collision of assembly components

- 1** at least 75 mm (adjustable in 25 mm hole pattern)

Maximum utilization of space

- 2** 1 mm (adjustable in 25 mm hole pattern)



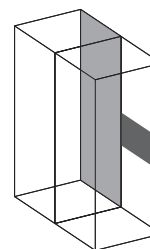
#### Partial installation

Partial utilization of the enclosure depth of width is also possible, in this example by using a PS punched section without mounting flange 23 x 73 mm, see page 527



#### Forward installation position

Achieved quickly and easily using 4 TS system chassis 17 x 73 mm for the outer mounting level, see page 522



#### Flush all-round

With bayed enclosures, the partial mounting plate is flush with the standard mounting plate in the rear-most installation position, which facilitates full-length population

### Hinge Attachment

for partial mounting plate TS, SE

**Material:**

- Steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly components

Packs of	Model No.
1 set(s)	8614.100

**! Also required:**

- [1] Installation kit for pivoting frame, small, for enclosure width 600 mm 2377.860, 800 mm 2377.880, see page 587
- [2] PS punched section without mounting flange 23 x 73 mm as per enclosure depth, see page 527, Combination support bracket 8800.330, depending on installation position

**Side installation:**

In conjunction with hinge, for side panel, see page 452, the side installation is identical with the parallel-to-front position with an enclosure depth of 600 or 800 mm

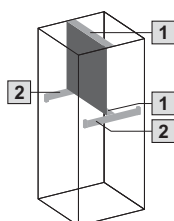
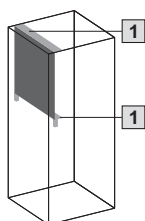


### Examples

#### In topmost or lowest positions

front

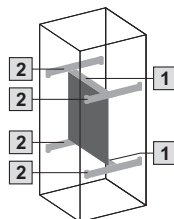
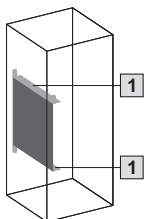
set back



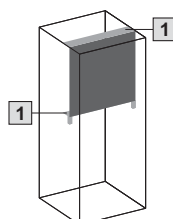
#### In central positions

front

set back



#### Side installation



### Partial Mounting Plates, Locatable into Rails

for TS, SE, TP

For installation in

- Console and desk unit on the system rails for interior fitting
- System chassis or mounting strips fitted to the side of the pedestal in the depth
- Other enclosures mounted on rails with 25 mm hole pattern punchings

For easy installation on prefitted assembly screws. Bayable by screw-fastening at the sides.

**Material:**

- Carbon steel

**Surface finish:**

- Zinc-plated

**Supply includes:**

- Assembly components

Height inches (mm)	Width inches (mm)	Packs of	Model No.
17 (437)	8 (200)	1 pc(s).	6730.310
17 (437)	20 (500)	1 pc(s).	6730.330
17 (437)	28 (700)	1 pc(s).	6730.340

For console top piece/ desk unit Width inches (mm)	Max. no. of poss. partial mounting plates
24 (600)	1 x 6730.330
32 (800)	1 x 6730.340
47 (1200)	2 x 6730.310 1 x 6730.340
63 (1600)	1 x 6730.330 1 x 6730.340

[1] From width 500 mm

