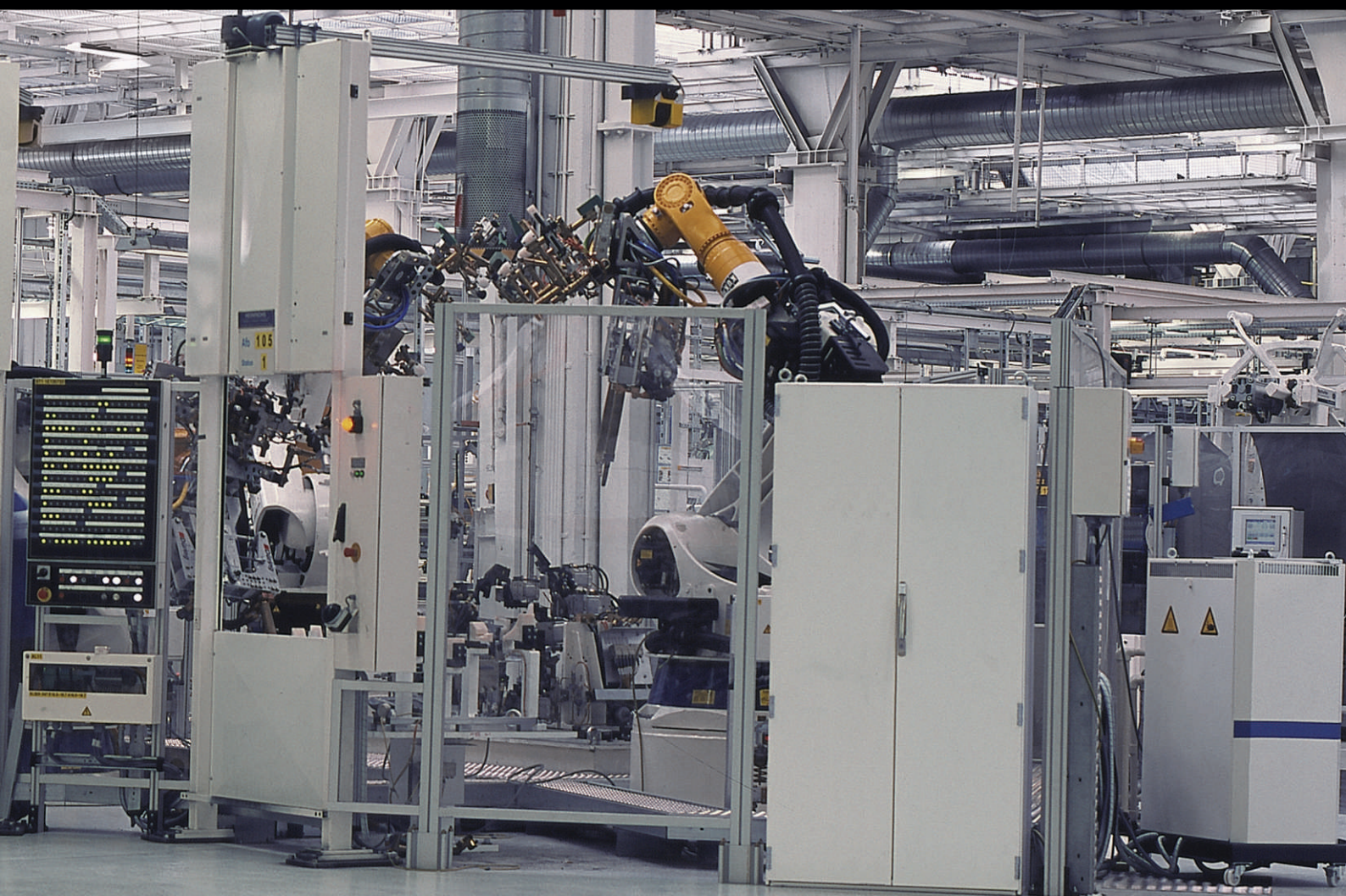


Rittal – The System.

Faster – better – worldwide.

► TS 8 Specification Guide



► TS 8 Freestanding Industrial Enclosures and Accessories ►

FRIEDHELM LOH GROUP



Why Choose Rittal?

The Rittal TS 8 is the premier modular enclosure available in the world today. Engineered with the challenges of real-world applications in mind, the TS 8 can protect critical equipments in even the most demanding environments.

Patented 16-fold frame profile increases strength and maximizes flexibility

- Engineered to handle large load capacities of up to 1,400 kgs.
- Frame-based, modular design-exterior surfaces can be easily dismantled for modifications, saving time and money.

Depth-adjustable, zinc-plated mounting panel

- Full-sized for increased mounting surface area-up to 30% more than those typically found in unibody enclosures.
- Easily slides in and out for greater usability.
- Instant grounding without scraping paint, saves time and money.
- Enables more components to fit inside a smaller enclosure reducing cabinet footprints and preserving valuable floor space.

Doors with multi-point, captive hinges

- Can hold up to 90 kg and be dismantled in as little as 30 seconds which is 98% faster than piano-hinged doors.

Seamless foamed-in-place gasket

- Provides tight and secure seal against contaminants and ensures protection ratings.

Mid-level EMC shielding out of the box

- Standard side and rear wall brackets are ground-ready, eliminating the need for grounding straps.

Wide variety of accessories

- Readily configurable to meet your unique needs.

The strength and flexibility of the TS 8 comes from its robust 16-fold, tubular frame that features a 25 mm hole pattern that allows components and accessories to be mounted horizontally or vertically and can support loads of up to 1,400 kg. Combined with the zinc-plated mounting panel, the TS 8 provides 15% more interior mounting space than unibody, NEMA-style enclosures.



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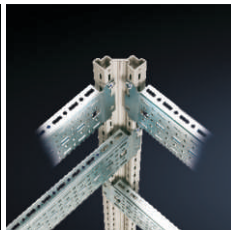
Rittal Enclosures TS 8



The TS 8 Top Enclosure system platform is suitable for any application. Every enclosure is accessible from all sides, even for very specific tasks, and offers “Infinite Possibilities” when used in conjunction with the system accessories.



Enclosures can be bayed laterally in a row, top of each other as well as round the corner.



The patented frame-work, of exceptional stability, will support up to 1400 kg of static load.
The symmetrical structure with double mounting level offers flexibility for equipment installation.



The door has a 4-point locking system, providing perfect security and an even pressure on the seal.
The comfort handle offered as an option combines design and comfort in use.



Corrosion protection of the highest level: nano-ceramic preparation, dipcoat priming and textured powder coating.



Foamed-in PU door seal and protected from liquid deposits by a gutter integral to the frame.



Potential equalization automatic across assembly components. All panels are conductively connected to one another in standard enclosures.

Technical characteristics for standard sizes:

4 widths: 600, 800, 1000, 1200 mm

3 heights: 1800, 2000, 2200 mm

4 depths : 400, 500, 600, 800 mm

Optional sizes available on request.

Surface Finish:

Frame dip coat primed.

Door, roof, rear panel: dip coat primed, powder coated in textured RAL 7035 on the outside.

Mounting plate and gland plate:

Galvanized sheet steel.

Doors:

Hinged 130°, Optional 180°.

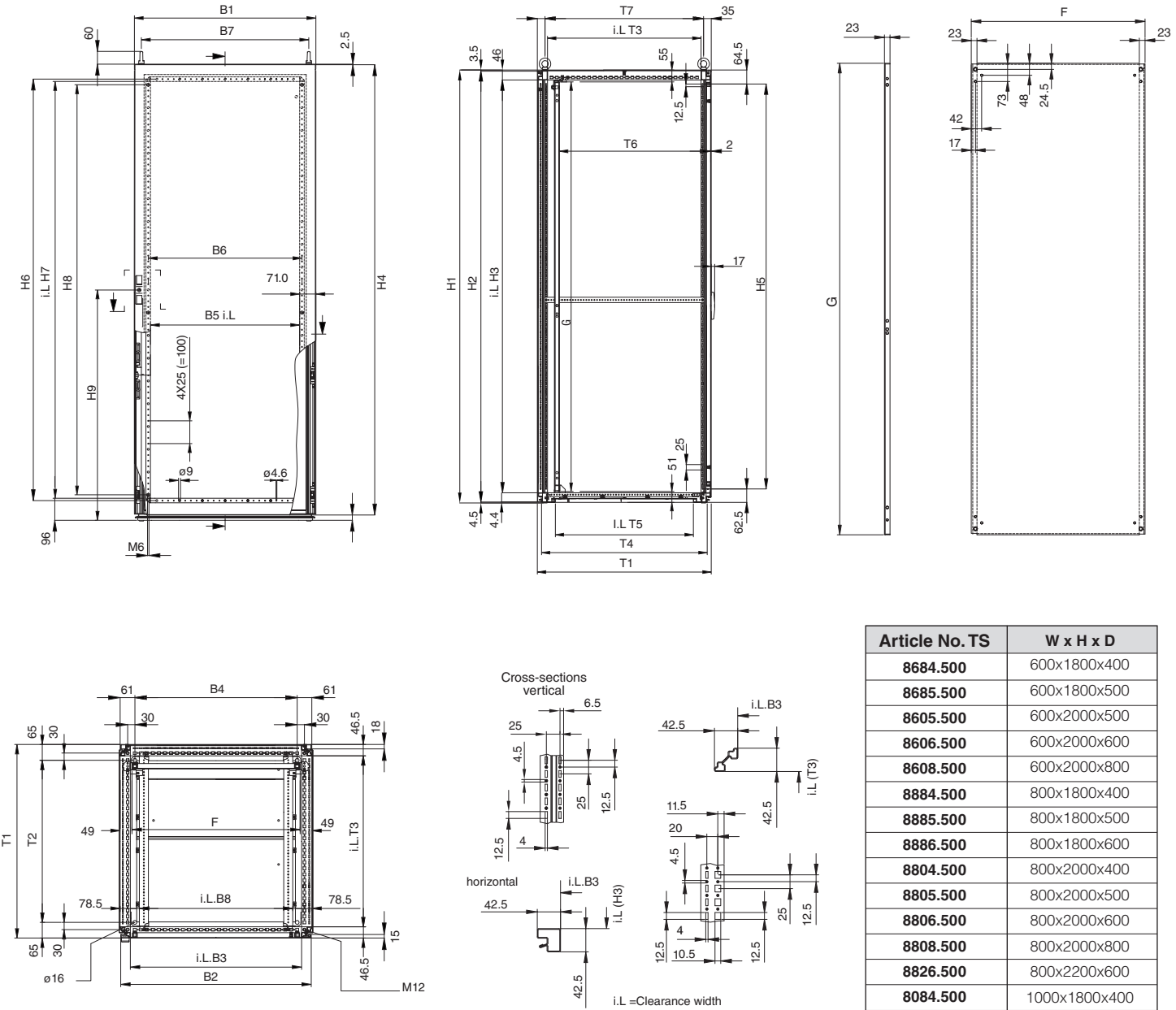
Protection category:

IP 55 – NEMA 12

IP 66 option available on request.

Rittal Enclosures TS 8

Single Door



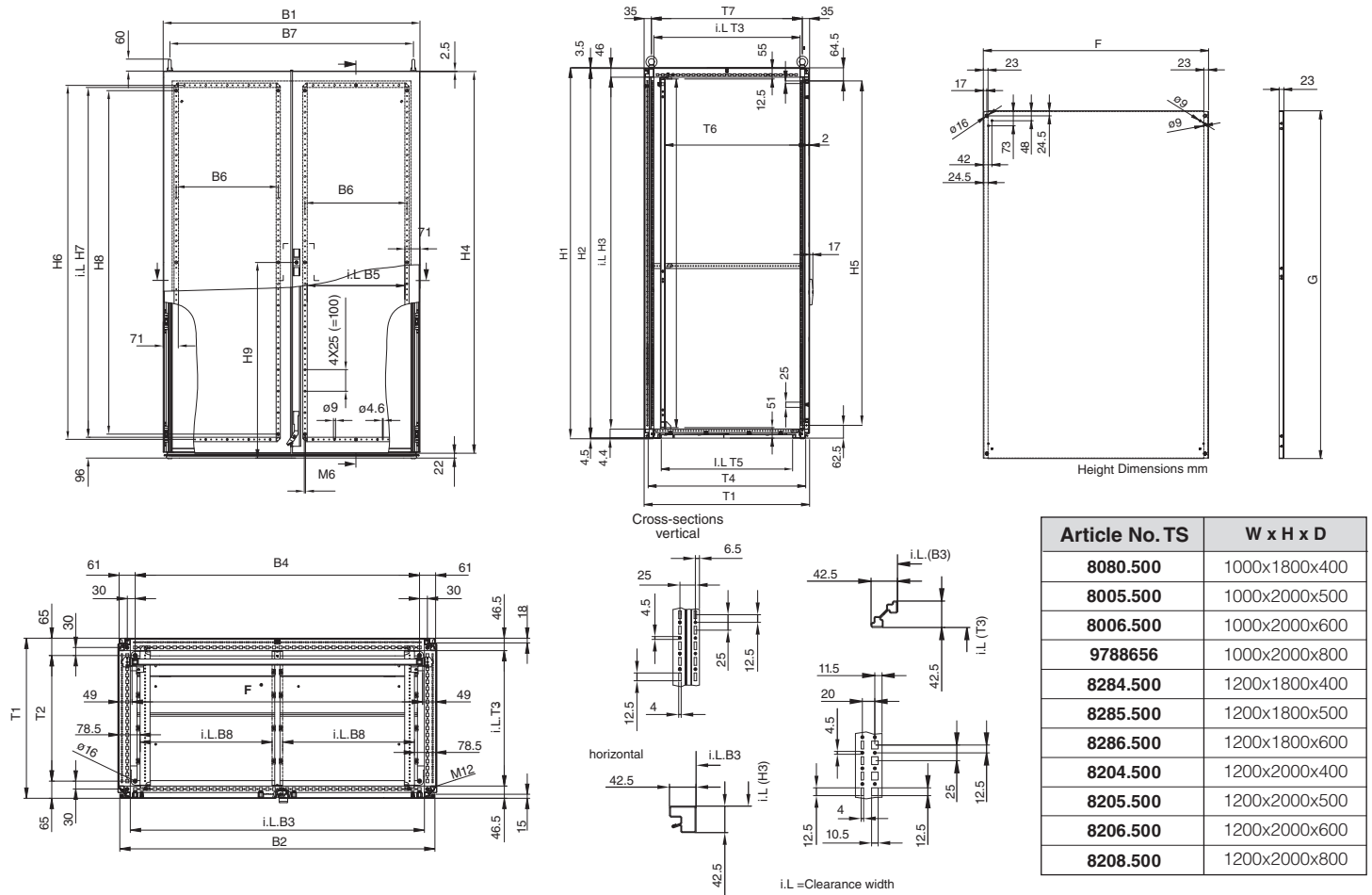
Article No. TS	W x H x D
8684.500	600x1800x400
8685.500	600x1800x500
8605.500	600x2000x500
8606.500	600x2000x600
8608.500	600x2000x800
8884.500	800x1800x400
8885.500	800x1800x500
8886.500	800x1800x600
8804.500	800x2000x400
8805.500	800x2000x500
8806.500	800x2000x600
8808.500	800x2000x800
8826.500	800x2200x600
8084.500	1000x1800x400

Note: Dimensions are in mm

Article No. TS	Width Dimensions (mm)								Height Dimensions (mm)									Depth Dimensions (mm)							Mounting Plates (mm)	
	B1	B2	B3	B4	B5	B6	B7	B8	H1	H2	H3	H4	H5	H6	H7	H8	H9	T1	T2	T3	T4	T5	T6	T7	F	G
8684.500	597	592	512	475	455	475	535	440	1805	1797	1712	1777.5	1675	1650	1630	1600	911	405	275	312	368	240	130-355	335	499	1696
8685.500	597	592	512	475	455	475	535	440	1805	1797	1712	1777.5	1675	1650	1630	1600	911	505	375	412	468	340	130-455	435	499	1696
8605.500	597	592	512	475	455	475	535	440	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	505	375	412	468	340	130-455	435	499	1896
8606.500	597	592	512	475	455	475	535	440	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	130-555	535	499	1896
8608.500	597	592	512	475	455	475	535	440	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	805	675	712	768	640	130-755	735	499	1896
8884.500	797	792	712	675	655	675	735	640	1805	1797	1712	1777.5	1675	1650	1630	1600	911	405	275	312	368	240	130-355	335	699	1696
8885.500	797	792	712	675	655	675	735	640	1805	1797	1712	1777.5	1675	1650	1630	1600	911	505	375	412	468	340	130-455	435	699	1696
8886.500	797	792	712	675	655	675	735	640	1805	1797	1712	1777.5	1675	1650	1630	1600	911	605	475	512	568	440	130-555	535	699	1696
8804.500	797	792	712	675	655	675	735	640	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	405	275	312	368	240	130-355	335	699	1896
8805.500	797	792	712	675	655	675	735	640	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	505	375	412	468	340	130-455	435	699	1896
8806.500	797	792	712	675	655	675	735	640	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	130-555	535	699	1896
8808.500	797	792	712	675	655	675	735	640	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	805	675	712	768	640	130-755	735	699	1896
8826.500	797	792	712	675	655	675	735	640	2205	2197	2112	2177.5	2075	2050	2030	2000	1111	605	475	512	568	440	130-555	535	699	2096
8084.500	997	992	912	875	855	875	935	840	1805	1797	1712	1777.5	1675	1650	1630	1600	911	405	275	312	368	240	130-355	335	899	1696

Rittal Enclosures TS 8

Double Door



Note: Dimensions are in mm

Article No. TS	Width Dimensions (mm)								Height Dimensions (mm)									Depth Dimensions (mm)							Mounting Plates (mm)	
	B1	B2	B3	B4	B5	B6	B7	B8	H1	H2	H3	H4	H5	H6	H7	H8	H9	T1	T2	T3	T4	T5	T6	T7	F	G
8080.500	997	992	912	875	355	375	935	400	1805	1797	1712	1777.5	1675	1650	1630	1600	911	405	275	312	368	240	130-355	335	899	1696
8005.500	997	992	912	875	355	375	935	400	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	505	375	412	468	340	130-455	435	899	1896
8006.500	997	992	912	875	355	375	935	400	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	130-555	535	899	1896
9788656	997	992	912	875	355	375	935	400	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	805	675	712	768	640	130-755	735	899	1896
8284.500	1197	1192	1112	1075	455	475	1135	500	1805	1797	1712	1777.5	1675	1650	1630	1600	911	405	275	312	368	240	130-355	335	1099	1696
8285.500	1197	1192	1112	1075	455	475	1135	500	1805	1797	1712	1777.5	1675	1650	1630	1600	911	505	375	412	468	340	130-455	435	1099	1696
8286.500	1197	1192	1112	1075	455	475	1135	500	1805	1797	1712	1777.5	1675	1650	1630	1600	911	605	475	512	568	440	130-555	535	1099	1696
8204.500	1197	1192	1112	1075	455	475	1135	500	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	405	275	312	368	240	130-355	335	1099	1896
8205.500	1197	1192	1112	1075	455	475	1135	500	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	505	375	412	468	340	130-455	435	1099	1896
8206.500	1197	1192	1112	1075	455	475	1135	500	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	605	475	512	568	440	130-555	535	1099	1896
8208.500	1197	1192	1112	1075	455	475	1135	500	2005	1997	1912	1977.5	1875	1850	1830	1800	1011	805	675	712	768	640	130-755	735	1099	1896

Material: Sheet steel, enclosure frame, roof, rear panel and gland plates: 1.5 mm, door: 2.0 mm, mounting plate: 3.0 mm.

Surface finish:

Enclosure frame: dipcoat primed.
Door, roof and rear panel: dipcoat-primed, powder-coated in textured RAL 7035 on the outside,
Mounting plate and gland plates: galvanized sheet steel.

Supply includes: Enclosure frame with door, mounting plate, gland plates, rear panel and roof plate.

Protection category: IP 55 to EN 60 529, complies with NEMA 12.

Approvals:

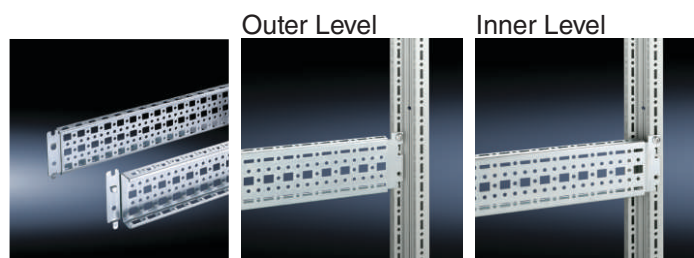
- UL • CSA • TÜV • Russian Maritime Register of Shipping
- TÜV Mark • Lloyds Register of Shipping • Bureau Veritas
- VDE • Germanischer Lloyd

Configuration details:

- 500 Enclosure frame, front door, rear bolted cover, roof plate with eyebolts, bottom cover with standard gland plate and one mounting plate.
- 501 Enclosure frame, front door, rear door, roof plate with eyebolts, bottom cover with standard gland plate and one mounting plate.
- 510 Enclosure frame, front door, rear bolted cover, roof plate with eyebolts, bottom cover with standard gland plate.
- 511 Enclosure frame, front door, rear door, roof plate with eyebolts, bottom cover with standard gland plate.
- 521 Enclosure frame, front door, rear door, roof plate with eyebolts, bottom cover with standard gland plate and two mounting plates.

Rittal Enclosures TS 8

TS Punched Section 17 x 73 (Pack of 4)



Outer Mounting Level

Article No. TS	For Encl Width/Depth
8612.140	400
8612.150	500
8612.160	600
8612.180	800
8612.100	1000
8612.120	1200

Inner Mounting Level

Article No. TS	For Encl Width/Depth
8612.040	400
8612.050	500
8612.060	600
8612.080	800
8612.000	1000
8612.020	1200

TS punched section with mounting flange, 17 x 73 mm variable, with 5 rows of holes for universal skeleton structures or partial assembly. Simply locate into the TS punchings and secure.

Installation options:

- On the vertical TS enclosure section
- On the outer mounting level, all-round, at the same height
- On the inner mounting level, all-round, height-offset

Material/Surface finish: Sheet steel, zinc-plated, passivated.

Supply includes: Assembly screws.

Wiring plan pockets plastic



Article No. SZ	For Format
2513.000	A3 landscape
2514.000	A4 Portrait
2515.000	A5 landscape

For affixing to the inside surfaces of doors.

Material: Polystyrene with self-adhesive fastening strips.

Colour: Similar to RAL 7035.

Wiring plan pockets sheet steel-depth 90 mm



Article No. TS/PS	For Encl Width
4114.000	400
4115.000	500
4116.000	600
4118.000	800
4124.000	1000



For fastening to tubular door frames at any height.

Colour: RAL 7035.

Supply includes: Assembly screws.

Mounting Plate infill



Article No. TS/PS	For Encl Height
4590.700	1800
4591.700	2000
4592.700	2200

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

Material: Sheet steel, zinc-plated, passivated.

Supply includes: Assembly parts.

Comfort Handles & Lock Insert

Article No. TS	Description
8611.020	For lock insert version F RAL 7035
8611.180	Security lock insert 3524 E
8611.070	For semi cylinders RAL 7035
8611.360	For semi cylinders RAL 9005
2467.000	Security lock insert 3524 E for Semi Cylinder



As the comfort handle does not take up any swing space, due to its folding mechanism, the door surface area may be maximised for installed equipment.

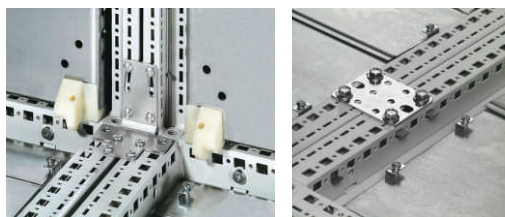
Material: Die-cast zinc.

Surface finish: Powder-coated.



Baying Combination Type-1 (Transporting bayed enclosure)

Article No. TS	Description	Qty
4540.000	Combination Angle	4
8800.430	Angular Baying Bracket	4
8800.500	Baying Clamps	6
Baying Cover	Refer Baying cover Table	1



Baying Combination Type-2 (Transporting bayed enclosure)

Article No. TS	Description	Qty
4540.000	Combination Angle	4
8800.430	Angular Baying Bracket	4
8800.490	External Baying Connectors	6
Baying Cover	Refer Baying cover Table	1



Baying Combination Type-3 (Baying at site or customer place)

Article No. TS	Description	Qty
4582.500	Baying Bracket	4
8800.490	External Baying Connectors	6
Baying Cover	Refer Baying cover Table	1

Note: For baying, one of combination type has to be selected



Baying Cover Table

Article No. TS	For Encl Depth mm
8800.840	400
8800.850	500
8800.860	600
8800.880	800

A cover with two end caps may additionally be clipped over the seal between the two enclosures. This prevents dirt and liquid from collecting on the baying seal.

Material: Cover section - sheet steel, spray-finished.

End caps: Plastic.

Note: May also be fitted in the width with enclosure suites bayed back-to-back.



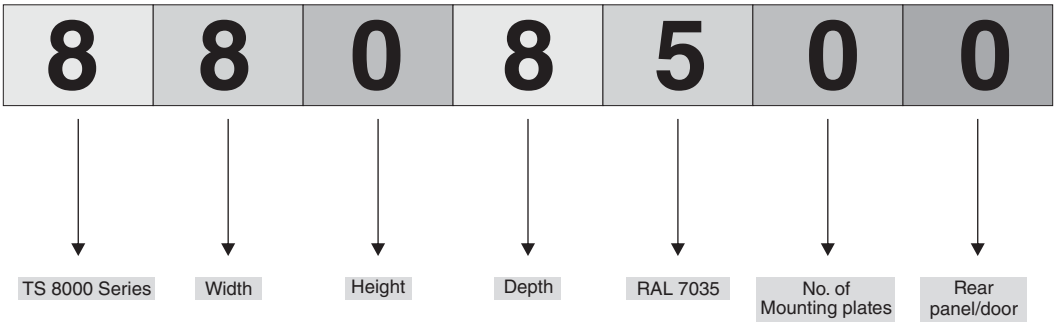
Limit switch

Article No.	Description
4127.010	Door-operated switch with support plate

Rittal Enclosures TS 8

TS 8 Selection

Example:-



Width	6–600 W 8–800 W 0–1000 W 2–1200 W	Height	8–1800 H 0–2000 H 2–2200 H	Depth	4–400 D 5–500 D 6–600 D 8–800 D	Mounting plate	0 – 1 mounting plate 1 – without mounting plate 2 – 2 mounting plates	Rear	0–Rear panel 1–Rear door
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Plinth Selection for TS 8

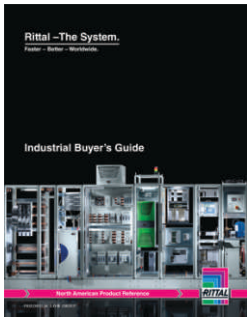
Enclosure dimensions (WXD) in mm	Plinth component front and rear of 100 mm height (Article No.)	Plinth component sides of 100 mm height (Article No.)
600W X 400D	8601.600	8601.040
600W X 500D	8601.600	8601.050
600W X 600D	8601.600	8601.060
600W X 800D	8601.600	8601.080
800W X 400D	8601.800	8601.040
800W X 500D	8601.800	8601.050
800W X 600D	8601.800	8601.060
800W X 800D	8601.800	8601.080
1000W X 400D	8601.000	8601.040
1000W X 500D	8601.000	8601.050
1000W X 600D	8601.000	8601.060
1000W X 800D	8601.000	8601.080
1200W X 400D	8601.200	8601.040
1200W X 500D	8601.200	8601.050
1200W X 600D	8601.200	8601.060
1200W X 800D	8601.200	8601.080



Rittal Enclosures TS 8

Rittal — TS Specification Guide

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Industrial Buyer's Guide

Rittal's comprehensive overview of industrial and climate control products and accessories.



Precision modifications to suit your needs

Rittal manufactures the most flexible standard lineup of modular freestanding, wall mount, junction box enclosures and accessories available in the world today - right off the shelf - in a wide variety of construction materials and protection ratings. If you require a customized product, you can choose to modify any of our standard products or start from scratch with a newly designed, comprehensive solution.

Rittal India manufacturing facility is an independent production and assembly operation located at Doddaballapur, that is dedicated solely to create customer-specific products. Quote-to-order, custom-engineered products including those with cutouts and special paint colors or finishes are evaluated on a case-by-case basis and we will be happy to provide you with an estimated production time for your specific need. Assembly and integration of Rittal parts into custom solutions can be completed and shipped in as little as 4 weeks.

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