# RITTAL
SOLUTIONS

# OUTSTANDING

## TS8 RACK SOLUTIONS – VERSATILE, HIGH-PERFORMANCE SOLUTIONS FOR NETWORKING & COMPUTING EQUIPMENT

■ Networking Products

■ Server/Storage Racks

*Switch to perfection* **RITTAL**

FRIEDHELM **L O H** GROUP

# NEXT GENERATION NETWORKING FROM RITTAL

The rapid development and deployment of network technology has prompted a demand for flexible enclosure systems capable of accommo-dating each and every network application. Investments in such technology must be future-oriented with a great attention to today's requirements - requirements such as variable widths and depths, installation flexibility on two levels, as well as baying versatility. Crucial decision-making parameters include cable management options, maximum usable enclosure volume, monitoring technology, in addition to smart thermal management solutions.

*Rittal products like our next generation TS8 networking and computing equipment racks provide the utmost in strength and versatility.*

And only one IT enclosure packaging provider stands prepared to deliver the IT Solutions you need for your systems today – Rittal. The unbelievable diversity of Rittal's IT products provides a wealth of innovative solutions, ranging from racks and cabinets to CMC monitoring devices, thermal management and power components.
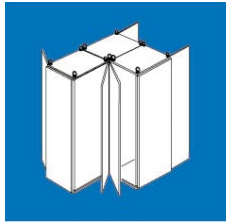
**2**

# Table Of Contents

# NOW PREMIERING - THE RITTAL IT TS8 ENCLOSURE

Worldwide, Rittal is known as a trendsetter in modern technology packaging. In fact, we hold over 200 patents worldwide, we maintain 300 registered designs and we continuously develop new ideas and innovations on a daily basis.

And perhaps nothing displays our innovative spirit like the TS8 enclosure. Based on the high-load bearing capacity design for industrial applications, our IT TS8 provides the utmost in networking and storage requirements.

## Suitable On All Sides

It is simple to create additional space thanks to the baying versatility of the TS8. Whether around corners, forwards, backwards, to the left or right and even upwards, the suiting possibilities of the TS8 are endless.

## Achieve Smart Thermal Management

Round out your rack solution with a plethora of climate control products. Just as the heat levels have risen in networking enclosures, so too has the incredible need for adequate thermal management. Choose from a wealth of "cool" solutions.

## Legacy-Friendly Design

The TS8 design features a backwards compatibility element for your ease of mind - the TS can be interconnected with an existing PS enclosure of the same size by using a special baying kit - simple as that!

## Innovative Design Shows Through

Nothing can come close to the innovative design and sleek aesthetics of the IT TS8 enclosure. Whether it is the contemporary door and color selections or the high heat dissipation front door design, the TS8 is at the top of the industry.

## Highest Level Of Strength

At the heart of the TS8 enclosure is Rittal's patented 16-fold frame that delivers the utmost in strength and stability. The secret is the continuously welded dual-diamond frame design that delivers over 30% more dimensional stability.

## Cable Management At Its Best

The two installation levels of the TS8 design allow for ideal system cable management or choose from a host of smart accessories to help your particular needs. Now you know what we mean when we say infinite possibilities with the TS8.

## Two-Level Mounting

Achieve dual installation levels by installing system chassis and bars on either the inner or outer levels of the twin-column profile - or mount on both simultaneously. This optimizes space efficiency and allows for plenty of room for cable management.
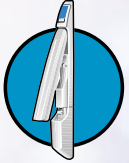
## Accessories Galore

Top off your TS8 enclosure solution with the latest in applicable accessories. To satisfy your accessorizing needs are sidewalls, tool-less shelves, telescopic slides, power strips, wire ducts and more. Let Rittal help complete your next installation.

**Strength & Stability**

**Smarter Design**

**More Versatile**

**Built For Speed**

**Intelligent Options**

**Thermal Management**

# TS8 NETWORK ENCLOSURES – 80″/88″

■ The revolutionary new TS8 freestanding network cabinet from Rittal is based on the concept design of the industrial TS8 modular cabinet. The network TS8 cabinet features the rigid 16-fold frame combined with extensive configuration flexibility and instant cable management. Topped with a sleek, contemporary design, the TS8 network cabinet is ideal for showcase applications. And check out the cabinet's natural ventilation with its perimeter perforated doors.

## Configuration:

- 80" and 88" high cabinets (42/47 U)
- Front door with perforated perimeter and polycarbonate insert
- Perforated rear door
- Comfort handle with pushbutton lock insert
- New style perforated roof with four round 4" cutouts
- Available with or without sidewalls
- Leveling feet
- Versions include RAL 7035 light grey and cool black (similar to RAL 9005 black)
- Full line of accessories

### 80″/42 U Series

| Part No. | Approximate dimensions (inches) | Exact dimensions (mm) | Color | Sidewalls |
|---|---|---|---|---|
| 9968630 | 80 x 24 x 36 | 2032 x 600 x 900 | RAL 7035 light grey | Without |
| 9968629 | 80 x 24 x 36 | 2032 x 600 x 900 | RAL 7035 light grey | With |
| 9968632 | 80 x 24 x 36 | 2032 x 600 x 900 | Cool black | Without |
| 9968631 | 80 x 24 x 36 | 2032 x 600 x 900 | Cool black | With |
| 9968646 | 80 x 24 x 40 | 2032 x 600 x 1000 | RAL 7035 light grey | Without |
| 9968645 | 80 x 24 x 40 | 2032 x 600 x 1000 | RAL 7035 light grey | With |
| 9968648 | 80 x 24 x 40 | 2032 x 600 x 1000 | Cool black | Without |
| 9968647 | 80 x 24 x 40 | 2032 x 600 x 1000 | Cool black | With |
| 9968634 | 80 x 32 x 36 | 2032 x 800 x 900 | RAL 7035 light grey | Without |
| 9968633 | 80 x 32 x 36 | 2032 x 800 x 900 | RAL 7035 light grey | With |
| 9968636 | 80 x 32 x 36 | 2032 x 800 x 900 | Cool black | Without |
| 9968635 | 80 x 32 x 36 | 2032 x 800 x 900 | Cool black | With |
| 9968650 | 80 x 32 x 40 | 2032 x 800 x 1000 | RAL 7035 light grey | Without |
| 9968649 | 80 x 32 x 40 | 2032 x 800 x 1000 | RAL 7035 light grey | With |
| 9968652 | 80 x 32 x 40 | 2032 x 800 x 1000 | Cool black | Without |
| 9968651 | 80 x 32 x 40 | 2032 x 800 x 1000 | Cool black | With |

### 88″/47 U Series

| Part No. | Approximate dimensions (inches) | Exact dimensions (mm) | Color | Sidewalls |
|---|---|---|---|---|
| 9968638 | 88 x 24 x 36 | 2235 x 600 x 900 | RAL 7035 light grey | Without |
| 9968637 | 88 x 24 x 36 | 2235 x 600 x 900 | RAL 7035 light grey | With |
| 9968640 | 88 x 24 x 36 | 2235 x 600 x 900 | Cool black | Without |
| 9968639 | 88 x 24 x 36 | 2235 x 600 x 900 | Cool black | With |
| 9968654 | 88 x 24 x 40 | 2235 x 600 x 1000 | RAL 7035 light grey | Without |
| 9968653 | 88 x 24 x 40 | 2235 x 600 x 1000 | RAL 7035 light grey | With |
| 9968656 | 88 x 24 x 40 | 2235 x 600 x 1000 | Cool black | Without |
| 9968655 | 88 x 24 x 40 | 2235 x 600 x 1000 | Cool black | With |
| 9968642 | 88 x 32 x 36 | 2235 x 800 x 900 | RAL 7035 light grey | Without |
| 9968641 | 88 x 32 x 36 | 2235 x 800 x 900 | RAL 7035 light grey | With |
| 9968644 | 88 x 32 x 36 | 2235 x 800 x 900 | Cool black | Without |
| 9968643 | 88 x 32 x 36 | 2235 x 800 x 900 | Cool black | With |
| 9968658 | 88 x 32 x 40 | 2235 x 800 x 1000 | RAL 7035 light grey | Without |
| 9968657 | 88 x 32 x 40 | 2235 x 800 x 1000 | RAL 7035 light grey | With |
| 9968660 | 88 x 32 x 40 | 2235 x 800 x 1000 | Cool black | Without |
| 9968659 | 88 x 32 x 40 | 2235 x 800 x 1000 | Cool black | With |

**6**

Note: Height dimension reflects cabinet height with leveling feet extended. Actual cabinet height is 2" shorter.

# TS8 SERVER ENCLOSURES – 80″/88″

■ A perfect complement to the TS8 network enclosure is the TS8 mass storage line-up of cabinets. Highly functional for universal server applications, the TS8 server solution boasts over 63% open area for the utmost in heat dissipation. In fact, we have taken years of experience and expertise in the server packaging industry to design this modern, ultra-strength server cabinet – just what you need for your stressful server requirements.

## Configuration:

- 80" and 88" high cabinets (42/47 U)
- Fully perforated front/rear door
- Comfort handle with pushbutton lock insert
- New style perforated roof with four round 4" cutouts
- Available with or without sidewalls
- Leveling feet
- Versions include RAL 7035 light grey and cool black (similar to RAL 9005 black)
- Full line of accessories

### 80″/42 U Series

| Part No. | Approximate dimensions (inches) | Exact dimensions (mm) | Color | Sidewalls |
|---|---|---|---|---|
| 9968599 | 80 x 24 x 36 | 2032 x 600 x 900 | RAL 7035 light grey | Without |
| 9968598 | 80 x 24 x 36 | 2032 x 600 x 900 | RAL 7035 light grey | With |
| 9968601 | 80 x 24 x 36 | 2032 x 600 x 900 | Cool black | Without |
| 9968600 | 80 x 24 x 36 | 2032 x 600 x 900 | Cool black | With |
| 9968615 | 80 x 24 x 40 | 2032 x 600 x 1000 | RAL 7035 light grey | Without |
| 9968614 | 80 x 24 x 40 | 2032 x 600 x 1000 | RAL 7035 light grey | With |
| 9968617 | 80 x 24 x 40 | 2032 x 600 x 1000 | Cool black | Without |
| 9968616 | 80 x 24 x 40 | 2032 x 600 x 1000 | Cool black | With |
| 9968603 | 80 x 32 x 36 | 2032 x 800 x 900 | RAL 7035 light grey | Without |
| 9968602 | 80 x 32 x 36 | 2032 x 800 x 900 | RAL 7035 light grey | With |
| 9968605 | 80 x 32 x 36 | 2032 x 800 x 900 | Cool black | Without |
| 9968604 | 80 x 32 x 36 | 2032 x 800 x 900 | Cool black | With |
| 9968619 | 80 x 32 x 40 | 2032 x 800 x 1000 | RAL 7035 light grey | Without |
| 9968618 | 80 x 32 x 40 | 2032 x 800 x 1000 | RAL 7035 light grey | With |
| 9968621 | 80 x 32 x 40 | 2032 x 800 x 1000 | Cool black | Without |
| 9968620 | 80 x 32 x 40 | 2032 x 800 x 1000 | Cool black | With |

### 88″/47 U Series

| Part No. | Approximate dimensions (inches) | Exact dimensions (mm) | Color | Sidewalls |
|---|---|---|---|---|
| 9968607 | 88 x 24 x 36 | 2235 x 600 x 900 | RAL 7035 light grey | Without |
| 9968606 | 88 x 24 x 36 | 2235 x 600 x 900 | RAL 7035 light grey | With |
| 9968609 | 88 x 24 x 36 | 2235 x 600 x 900 | Cool black | Without |
| 9968608 | 88 x 24 x 36 | 2235 x 600 x 900 | Cool black | With |
| 9968665 | 88 x 24 x 40 | 2235 x 600 x 1000 | RAL 7035 light grey | Without |
| 9968622 | 88 x 24 x 40 | 2235 x 600 x 1000 | RAL 7035 light grey | With |
| 9968624 | 88 x 24 x 40 | 2235 x 600 x 1000 | Cool black | Without |
| 9968623 | 88 x 24 x 40 | 2235 x 600 x 1000 | Cool black | With |
| 9968611 | 88 x 32 x 36 | 2235 x 800 x 900 | RAL 7035 light grey | Without |
| 9968610 | 88 x 32 x 36 | 2235 x 800 x 900 | RAL 7035 light grey | With |
| 9968613 | 88 x 32 x 36 | 2235 x 800 x 900 | Cool black | Without |
| 9968612 | 88 x 32 x 36 | 2235 x 800 x 900 | Cool black | With |
| 9968626 | 88 x 32 x 40 | 2235 x 800 x 1000 | RAL 7035 light grey | Without |
| 9968625 | 88 x 32 x 40 | 2235 x 800 x 1000 | RAL 7035 light grey | With |
| 9968628 | 88 x 32 x 40 | 2235 x 800 x 1000 | Cool black | Without |
| 9968627 | 88 x 32 x 40 | 2235 x 800 x 1000 | Cool black | With |

Note: Height dimension reflects cabinet height with leveling feet extended. Actual cabinet height is 2" shorter.

## TS8 Network Enclosures

**A stylish cabinet that features an innovative aesthetic design with enhanced stability.**

**Design:**
A server style cabinet with polycarbonate viewing door that also features perimeter perforation to aid cabinet cooling.

**Applications:**
- Network facilities
- Termination applications
- Hubs, routers or other components
- Partially populated server cabinets

**Environments:**
- Data centers
- MDF/IDF
- Wiring closets
- Office spaces
- Central office environments

**"Hot Buttons:"**
- Stylish for showcase applications
- Full line of accessories
- Modern appearance
- Good heat dissipation
- Part of a comprehensive family of server and network cabinets

## TS8 Server Cabinets

**An attractive, highly functional server cabinet.**

**Design:**
A server cabinet with over 63% open area for maximum heat dissipation.

**Applications:**
- Universal server cabinets
- Multiple vendor equipment
- Termination equipment
- Storage equipment

**Environments:**
- Data centers
- MDF/IDF
- Wiring closets
- Office spaces
- Central office environments
- Co-location and hosting environments

**"Hot Buttons:"**
- Stylish for showcase applications
- Full line of accessories
- Contemporary, sleek appearance
- Good heat dissipation
- Part of a comprehensive family of server and network cabinets

## TS8 Co-Location Enclosures

**A set of 2, 3 and 4 door cabinets for hosting or co-location applications.**

**Design:**
Compartmentalized cabinet with provisions for individual cable and power runs to end compartment.
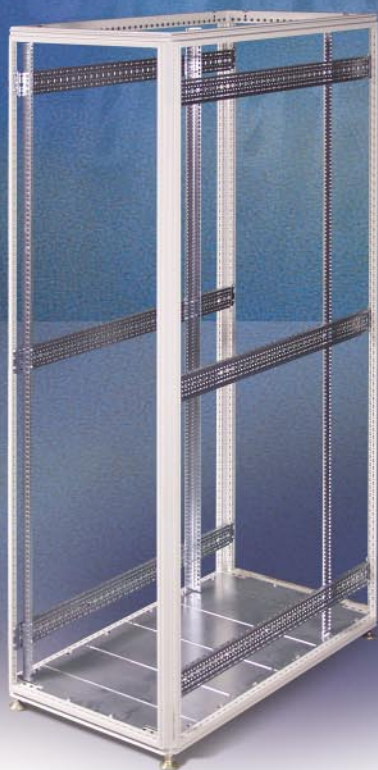
**Applications:**
- Multiple vendor equipment
- Multiple customers in one cabinet
- Universal server cabinet

**Environments:**
- Data centers
- Central office environments
- Co-location/hosting environments

**"Hot Buttons:"**
- Stylish for showcase applications
- Security for individual clients
- Protected cabling and power paths
- Range of unique lock and key possibilities

8

## TS8 Open Frame Cabinets

**An open, four-post server frame for low-cost installations.**

**Design:**
Four-post, fully welded frame with 19″ mounting angles front and rear.

**Applications:**
- Universal server cabinets
- Multiple vendor equipment
- Termination equipment
- Storage equipment

**Environments:**
- Data centers
- MDF/IDF
- Wiring closets
- Office spaces
- Central office environments
- Co-location and hosting environments

**"Hot Buttons:"**
- Low cost, economical solution
- Open design for cable management
- Excellent heat dissipation with open frame design
- Installation can happen now and sidewalls/doors later
- Open frame, yet holds high weight load

*Fall 2002 Availability*

## TS8 PC Enclosures

**An attractive cabinet that stands tall in the factory automation environments.**

**Design:**
A modular, NEMA 12 cabinet with separate compartments for monitor, keyboard and tower.

**Applications:**
For all applications where the PC tower needs to be protected and still have access to the keyboard.

**Environments:**
- Factory floor
- MDF/IDF
- Wiring closets
- Warehouses
- Dirty environments

**"Hot Buttons:"**
- Ideal protection for dirty environments
- NEMA 12 standard
- High equipment protection

## TS8 NEMA 12 Network Cabinets

**A versatile networking cabinet for multiple applications.**

**Design:**
Completely welded, multiple roll-formed steel frame for high stability, fully sealed for NEMA 12 applications.

**Applications:**
- All situations that require stability
- Multiple vendor equipment
- Termination equipment
- Protection of sensitive equipment

**Environments:**
- Factory floors
- Data centers
- MDF/IDF
- Wiring closets
- Warehouses

**"Hot Buttons:"**
- Perfect for use in dirty environments
- NEMA 12 standard, NEMA 4 available
- High equipment protection

*Fall 2002 Availability*

**9**

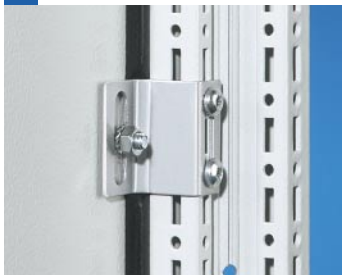# ACCESSORIES

## Sidewalls

Sidewalls simply hang into place and offer immediate side access to inside components.

| Part No. | Dimensions | | Color |
|---|---|---|---|
| | inches | mm | |
| **8109235** | 78.7 x 35.4 | 2000 x 900 | RAL 7035 |
| **8100235** | 78.7 x 39.3 | 2000 x 1000 | RAL 7035 |
| **8129235** | 86.6 x 35.4 | 2200 x 900 | RAL 7035 |
| **9968593** | 86.6 x 39.3 | 2200 x 1000 | RAL 7035 |
| **9968597** | 78.7 x 35.4 | 2000 x 900 | Cool black |
| **9968596** | 78.7 x 39.3 | 2000 x 1000 | Cool black |
| **9968595** | 86.6 x 35.4 | 2200 x 900 | Cool black |
| **9968594** | 86.6 x 39.3 | 2200 x 1000 | Cool black |

## Internal Latch For Sidewall, Plug-Type

Additional security is achieved via the option of latching the sidewall from the inside.

The sidewalls on the frame section are screw-fixed from the inside with latching brackets.

| Part No. | Packs of |
|---|---|
| **7824510** | 4 |

## Tool-Less Shelves

These 19″ rackmount shelves are designed for your ease–the tool-less advantage allows quick and simple assembly.

| Part No. | Mounting | Color |
|---|---|---|
| **9968421** | Fixed | RAL 7035 |
| **9968422** | Fixed | Cool black |

## Heavy Duty Tool-Less Shelves

These 19″ heavy duty rackmount shelves are designed for your ease–the tool-less advantage allows quick and simple assembly.

| Part No. | Mounting | Color |
|---|---|---|
| **9968556** | Fixed | RAL 7035 |
| **9968557** | Fixed | Cool black |
| **9968586*** | Telescopic | RAL 7035 |
| **9968587*** | Telescopic | Cool black |

*Inquire

**10**

## System Chassis With Mounting Flanges

9" x 2.9" (23 x 73mm) for intermediate mounting of 19" rails or T-slot rails, simply hook in cabinet frame and secure.

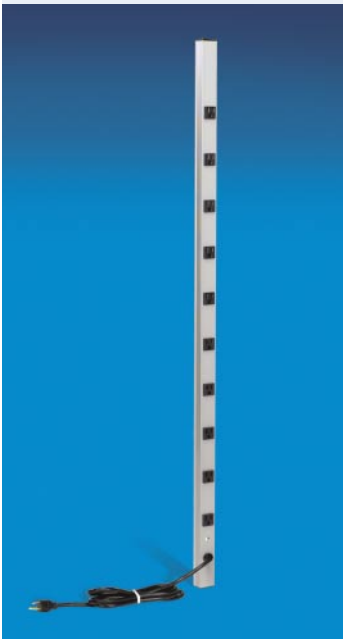| Part No. | Packs of | For enclosures Width mm | Depth mm |
|---|---|---|---|
| 8612060 | 4 | 600 | 600 |
| 8612080 | 4 | 600 | 800 |
| 8612090 | 4 | 600 | 900 |
| 7827600 | 4 | 800 | 600 |
| 7827800 | 4 | 800 | 800 |
| 7827900 | 4 | 800 | 900 |
| 7827000 | 4 | 800 | 1000 |

## Frame Mounted Power Strips

These strips have two clip-in brackets for mounting to any frame member of TS enclosures or system chassis that are installed in any Rittal enclosure.
- Illuminated ON/OFF power switch
- High quality industrial strength
- 6-foot power cord with plug

| Part No. | Number of outlets | Amp 15 | 20 | 15/20 | Surge protection | Approvals CSA | UL | Color |
|---|---|---|---|---|---|---|---|---|
| 7724000 | 8 - 15A | X | | | | X | X | Silk grey (RAL 7044) |
| 7724200 | 8 - 15A | | | X | | | X | Silk grey (RAL 7044) |
| 7724220 | 8 (4 duplex) - 20A | | X | | | | X | Silk grey (RAL 7044) |
| 7724300 | 8 - 15A | X | | | X | X | X | Silk grey (RAL 7044) |
| 7748000 | 15 - 15A | X | | | | X | X | Silk grey (RAL 7044) |
| 7748200 | 15 - 15A | | | X | | | X | Silk grey (RAL 7044) |
| 7748300 | 15 - 15A | X | | | X | X | X | Silk grey (RAL 7044) |
| 7748220 | 16 (8 duplex) | | X | | | | X | Silk grey (RAL 7044) |
| 7772000 | 24 - 15A | X | | | | X | X | Silk grey (RAL 7044) |
| 7772200 | 24 - 15A | | | X | | | X | Silk grey (RAL 7044) |
| 7772220 | 24 (12 duplex) - 20A | | X | | | | X | Silk grey (RAL 7044) |
| 7772300 | 24 - 15A | X | | | X | X | X | Silk grey (RAL 7044) |

- No ON/OFF power switch
- Low profile design
- 15-foot power cord

| Part No. | Description | Length | Plug Type |
|---|---|---|---|
| 9968728 | 15A, 115V, 8 REC | 20" | Standard |
| 9968729 | 15A, 115V, 8 REC | 20" | Twistlock |
| 9968730 | 20A, 115V, 8 REC | 20" | Standard |
| 9968731 | 20A, 115V, 8 REC | 20" | Twistlock |
| 9968732 | 15A, 115V, 10 REC | 48" | Standard |
| 9968733 | 15A, 115V, 10 REC | 48" | Twistlock |
| 9968734 | 20A, 115V, 10 REC | 48" | Standard |
| 9968735 | 20A, 115V, 10 REC | 48" | Twistlock |
| 9968736 | 15A, 115V, 11 REC | 72" | Standard |
| 9968737 | 15A, 115V, 11 REC | 72" | Twistlock |
| 9968738 | 20A, 115V, 11 REC | 72" | Standard |
| 9968739 | 20A, 115V, 11 REC | 72" | Twistlock |

# ACCESSORIES

## Door Mount Server Cabinet Fan Tray

The increasing power density in data communications and network enclosures requires direct, active ventilation of the enclosure. The new server enclosure fan assembly provides the ability for targeted heat removal, thereby avoiding enclosure hot spots and system shutdown. The high static pressure fans provide effective cooling in densely packed enclosures. Advantages include vertically and horizontally adjustment that allows for precise placement and avoids airflow blockages, shallow "0 U" design allows for maximum enclosure space utilization, extra plug receptacle allows for easy ganging of multiple fan trays.

| Part No. | For width | Dimensions (HxWxD) | Color |
|---|---|---|---|
| 9968490 | 24"/600mm | 8.2 x 19.7 x 2.7" 298 x 500 x 68mm | RAL 7035 |
| 9968493 | 24"/600mm | 8.2 x 19.7 x 2.7" 298 x 500 x 68mm | Cool black |
| 9968492 | 32"/800mm | 8.2 x 27.6 x 2.7" 298 x 700 x 68mm | RAL 7035 |
| 9968495 | 32"/800mm | 8.2 x 27.6 x 2.7" 298 x 700 x 68mm | Cool black |

## Roof Fan Tray – Depth/Height Adjustable

For 600 and 800mm wide TS cabinets. Designed for applications that require forced air cooling, mounts in side of enclosures frame or on system bars anywhere in enclosure. Can be used with either a perforated roof, a raised roof or 2 SK 3323207 exhaust filters.

| Part No. | Noise level | Rated current | Air displace-ment | Dimensions in mm | | | Rated voltage | Connection | Enclosure width | Protection rating |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | H | W | D | | | | |
| 9962081 | 48 dBa | 0.4 A | 300cfm | 60 | 511 | 151 | 115/60 | 10' cord | 600mm | NEMA 1 |

## Air Conditioners

### Mini air conditioners
Especially developed for small enclosures but can also be used in large enclosures with low heat dissipating requirements. They are available in compact roofmount and powerful wallmount versions.

### Medium range wallmount air conditioners
These medium capacity Rittal air conditioners are in use worldwide and stand out through high dependability, flexible installation options, optimum ease of operation and high safety standards.

### Wallmount air conditioners
Today's industrial design requires that equal attention be given to functionality, ergonomics and aesthetics. Rittal's multi-functional wallmount air conditioners fully meet these requirements through their user friendliness, microcontroller technology and ease of installation because of their two-piece chassis construction.

| Product/ Part No. | Dimensions (H x W x D) | Useful cooling capacity Qk per DIN 3168 95° F ambient 95° F temp. setting | Rated current | Rated voltage V/Hz |
|---|---|---|---|---|
| Mini wallmount air conditioner / 3262100 | 25.00 x 15.75 x 9.76" 635 x 400 x 248mm | 2325 BTU / 2400 BTU 680 W / 700 W | 5.1/6.0A | 115/50/60 |
| Wallmount air conditioner/ 3281100 | 37.40 x 15.75 x 9.05" 950 x 400 x 230mm | 2800 BTU / 3300 BTU 825 W / 960 W | 6.5/7.6A | 115/50/60 |
| Wallmount air conditioner/ 3279100 | 49.80 x 15.75 x 10.24" 1265 x 400 x 260mm | 4775 BTU / 4950 BTU 1400 W / 1450 W | 11.5/20.0A | 115/50/60 |
| Wallmount air conditioner/ 3390515 | 62.00 x 16.00 x 12.00" 1580 x 430 x 290mm | 6895 BTU / 7575 BTU 2000 W / 2220 W | 13.8/17.8A | 115/50/60 |

## Leveling Feet

To compensate for height differences in the event of floor irregularities.

Thread length 40mm. Thread M12 for direct screw-fixing into the enclosure corner pieces.

Maximum permissible static load: approximately 300 kg per leveling foot.

| Part No. | Packs of |
|----------|----------|
| **4612000** | 4 |

## Caster Kit

Casters help simple movement on even floors. Easy to install. Kit includes hardware, left and right rigid casters and two swivel casters. Load capacity/caster: 825 lbs.

| Part No. | Packs of |
|----------|----------|
| **9968751** | 4 |

## Quick-Fit Baying Clamps

For quick on-site assembly, also suitable for temporary use in the workshop. Simply attach the screws, insert the quick-fit baying clamp, tap in with a hammer and secure.

| Part No. | Packs of |
|----------|----------|
| **8800500** | 6 |

## Horizontal Baying Clamp

For mounting on the horizontal sections of two TS enclosures or one TS and one PS enclosure. Includes 4 baying clamps plus installation hardware.

| Part No. | Packs of |
|----------|----------|
| **8800400** | 4 |

## Cable Guide Rings

For flexible, system-compatible cable routing on system strips, enclosures or at the sides on 482.6mm (19") mounting angles.

| Part No. | Packs of | Dimensions mm |
|----------|----------|---------------|
| **7111900** | 10 | 120 x 90 |
| **7111000** | 10 | 120 x 60 |
| **7112000** | 10 | 80 x 40 |

# ACCESSORIES

## Wire Ducts

In two versions for the direct installation onto the vertical enclosure profile.

- **Width 2"/50mm,** for installation into the vertical profile at the side walls.

- **Width 4"/100mm,** for installation into two suited profiles at the seam. Interconnecting brackets and quick connect brackets can be covered with the cable channel.

3.25"/80mm deep horizontal DIN channels meet flush when the mounting panel is located in its most rear position. The perforations of the pegs are also designed to be compatible with other commercial ducts. Another perforation at the level of the mounting panel allows for a direct entry into the cable channel.

The wire duct connections are designed to meet the TS 1"/25mm hole pattern, thus eliminating cumbersome drilling as is needed with other ducts.

| Part No. | PU | Height in inches/ mm | Width in inches/ mm |
|---|---|---|---|
| **8800570** | 8 set | 63/1600 | 2/50 |
| **8800520** | 8 set | 71/1800 | 2/50 |
| **8800540** | 4 set | 63/1600 | 4/100 |
| **8800510** | 4 set | 71/1800 | 4/100 |

## Velcro Cable Straps

Velcro cable straps make cable management even easier because access to cables is unlimited and cables can be added or removed at will. The straps can be attached to cable collecting rails, C-rails, system rails or the enclosure frame. They can also be screwed to the standard installation holes in the enclosure frame with SZ 2486000 BZ 5.5 x 13mm screws (packs of 300).
**Color:** black

| Part No. | Width | Length cable Ø | Max. of | Packs |
|---|---|---|---|---|
| **7072220** | .62" 16mm | 5.12" 130mm | 1.18" 30mm | 10 |
| **7072230** | .62" 16mm | 7.87" 200mm | 1.97" 50mm | 10 |
| **7072240** | .62" 16mm | 11.81" 300mm | 3.54" 90mm | 10 |

## Cable Routing Ducts

Cable routing ducts make cable routing on the side of the cabinet possible. The cable routing duct is mounted on the 19" rails in a 31.50"/800mm wide TS network cabinet. The removable front panel is secured with "quick-locks" to provide simple and easy access.
**Material:** sheet steel
**Color:** light grey (RAL 7035)

| Part No. | For cabinet height |
|---|---|
| **7410310** | 64"/1600mm |
| **7410360** | 72"/1800mm |
| **7410400** | 78"/2000mm |
| **7410450** | 86"/2200mm |

## Captive Nuts

For attaching 19" rackmount components and blanking panels to 19" rails.
**With** conductive contact between the components and the enclosure.
**Without** conductive contact between the components and the enclosure.

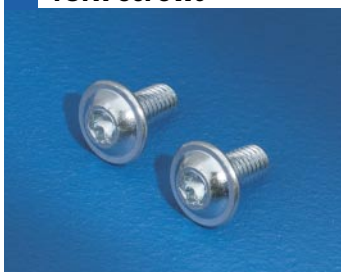| Part No. | Thread | Packs of | Captive nut |
|---|---|---|---|
| **2094200** | M6 | 50 | With contact |
| **2092200** | M6 | 50 | Without |
| **9957324** | 10/32 | 50 | contact |

## Installation Bolts M6 x 16mm

For captive nuts, 19" rackmount components, and blanking panels. Plastic washers included.

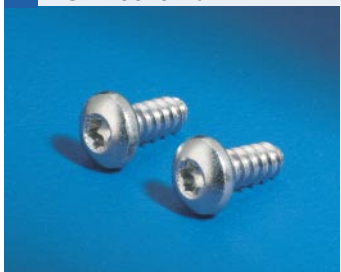| Part No. | Packs of | Type |
|----------|----------|------|
| **2093200** | 100 | Slotted bolt |
| **2089000** | 100 | Phillips bolt |

## Torx Screws

M6 x 12 to fit:
• Slide nuts for installation rails (PS 4179.000)
• Captive nuts (PS 4164.000)
• Threaded blocks (PS 4162.000)

Torx drive for optimum transmission of torques, an extended tool life, and increased safety and reliability when tightening and loosening screw connections.

| Part No. | Type of screw | Dimensions | Packs of |
|----------|---------------|------------|----------|
| **2504500** | Torx screws | M 6 x 12mm | 300 |
| **2486500** | Torx screws | BZ 5.5 x 13mm | 300 |
| | Self-tapping screws: | | |
| **2504000** | • Hex screws | M 5 x 10mm | 500 |
| **2488000** | • Posidrive raised countersunk screws | M 5 x 12mm | 500 |
| **2489000** | • Pan head screws, posidrive | M 5 x 12mm | 500 |
| **2487000** | Self-tapping screws | - | 300 |

## Torx Screws

For the round holes in the TS profile, installation rails and system chassis without mounting flanges.

## Self-Tapping Screws

For the round holes in the TS profile, installation rails and system chassis without mounting flanges.

## Self-Tapping Screws

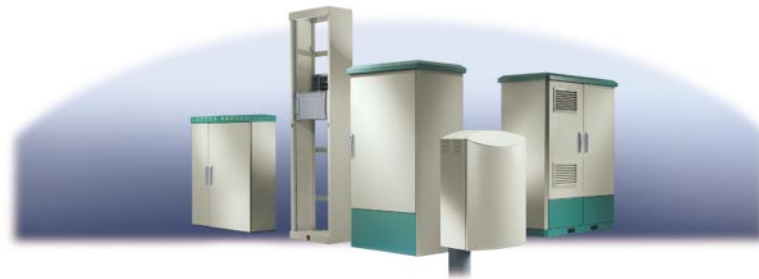Mark, drill and tighten in a single operation using electric or pneumatic tools.

| | |
|---|---|
| For metal thickness: | 8-3mm |
| Length: | 6mm |
| Usable length: | 9.5mm |
| Width across flats: | 8mm |

**15**

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