

**Rittal – The System.**

Faster – better – everywhere.

# AX plastic enclosures

Added durability



ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

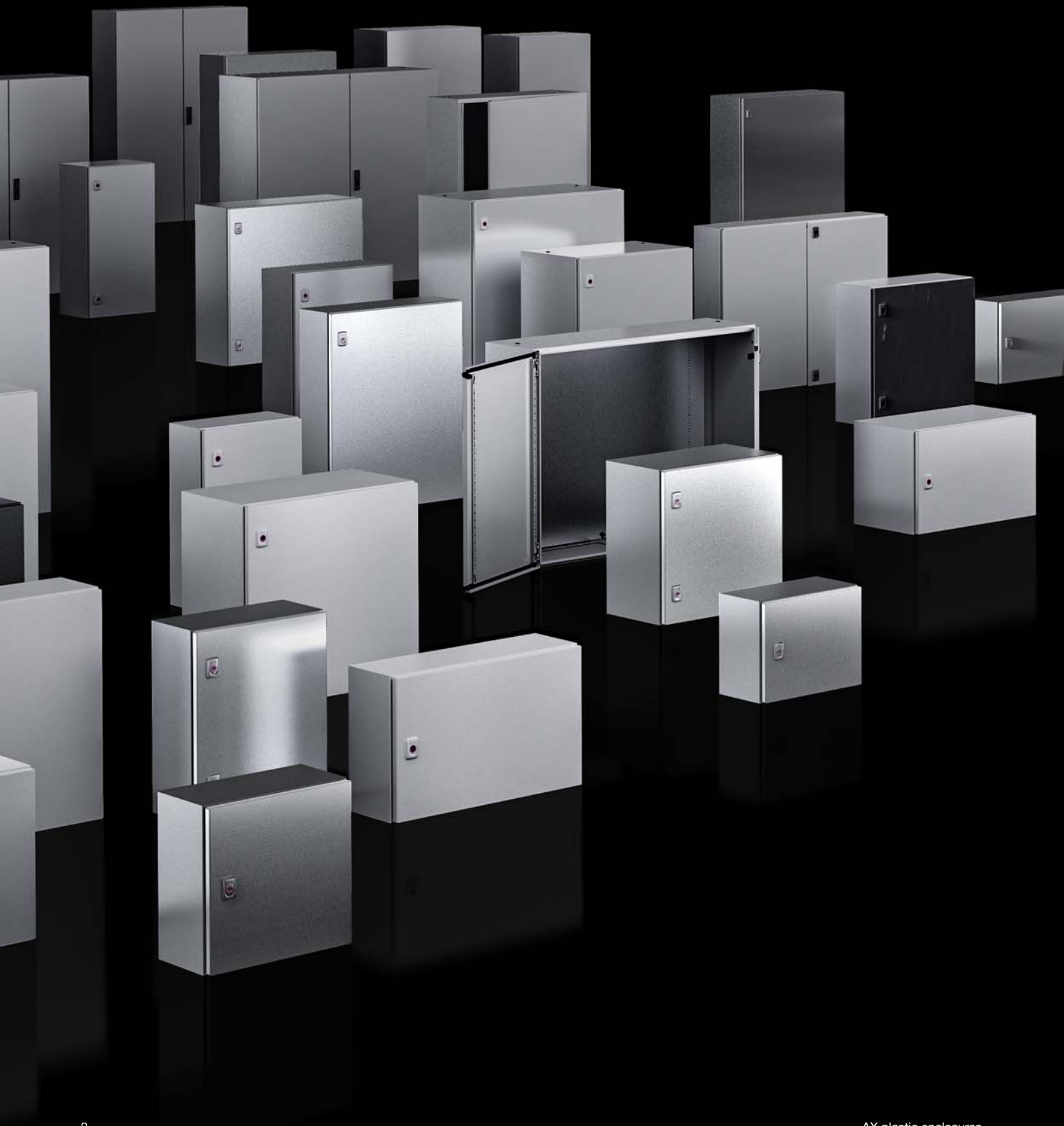
SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# AX plastic enclosures. System perfection.

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After more than 30 years, Rittal is revolutionising the field of plastic enclosures and complementing its AX series of sheet steel and stainless steel enclosures. With the plastic enclosure AX, Rittal has now combined the benefits of a sophisticated system technology with those of an extremely robust material to produce a unique enclosure series.

The new plastic enclosure AX stands for maximum simplification, speed and configuration freedom, while at the same time meeting the highest demands in terms of safety and robustness. Whether in the workshop or outdoors exposed to the elements – the plastic enclosure AX weathers all extremes.

The AX enclosure series defines the standards for Industry 4.0-compliant enclosure manufacture.



# Sophisticated system technology

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## Enclosures

- 14 different enclosure variants, with or without viewing panel
- Symmetrical layout means the enclosure is easily rotated through 180°
- Double seal with an integral rain protection strip on the top and bottom edge of the door to protect the seal from dust and rainwater
- Fibreglass-reinforced plastic with a high level of UV resistance

## Siting

- Wall mounting brackets are easily secured from the outside while retaining the UL approval
- The pole clamp may be screw-fastened directly into the external threaded inserts
- Ideal for outdoor applications
- If exposed to long-term UV radiation (sunlight) and rain, we recommend spray-finishing the surface with a PUR paint to avoid any visual impairments to the surface. Prices and delivery times on request.

## Mounting plate

- The mounting plate is easily screw-fastened onto the pre-assembled bolts from the front
- Simple earthing of the mounting plate, even retrospectively, using machined keyholes
- With pitch pattern markings for faster component positioning

## Interior installation

- Numerous mounting bosses for individual interior installation
- Interior installation on a 25 mm pitch pattern with universal bracket for mounting punched sections and rails
- Direct door installation with support strips and punched sections with mounting flanges 14 x 39 mm, for use as an additional mounting surface
- Door-operated switches may be attached directly to the mounting bosses



Reliable  
and efficient

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## Door installation

- Direct use of the door surfaces as additional component mounting space
- Compatibility with Rittal system accessories enables punched sections, rails, wiring plan pockets, etc. to be fitted directly to the inside of the door
- Simple mounting of a door stay without additional machining to secure the door in the open position
- The integrated runners at the top and bottom of the door ensure a precise fit even where heavy components are installed and thus safeguard the specified protection rating

## Security

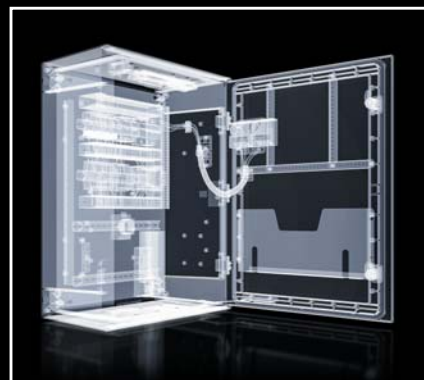
- High level of safety for people and installed equipment
- UL F1 outdoor rating (UL 746C)
- UL certification for industrial enclosures (508A)
- Fire protection to UL 94 V-0
- Ingenious enclosure design allows interior installation without impeding the encapsulated area, so the
  - high protection category of up to IP 66/NEMA 4X is retained
  - insulation class II is retained in total

## Rittal RiPanel

- Simple selection of enclosures and suitable accessories
- Automatic generation of CAD data and Eplan macros for the populated enclosure during configuration
- Direct ordering

## Engineering

- A wide range of conversion and planning tools are available to Rittal customers to assist with the automated production process and when working with virtual prototypes:
  - Eplan Pro Panel data
  - 2D/3D CAD data
  - ecl@ss Advanced data
  - Technical documentation
  - Data for planners
  - 'How-to' video
  - Rittal ePocket digital wiring plan pocket



# Plastic enclosures AX



## Material:

- Enclosure and door: Fibreglass-reinforced unsaturated polyester
- Fire protection corresponding to UL 94 V-0
- Door: All-round foamed-in PU seal
- Mounting plate: Sheet steel

## Surface finish:

- Enclosure and door: Dyed plastic with no after-treatment
- Mounting plate: Zinc-plated

## Colour:

- Similar to RAL 7035

## Protection class:

- II at 1000 V AC

## Protection category IP to IEC 60 529:

- IP 66

## Type rating to UL 50E:

- Type 1, 3R, 3RX, 4, 4X, 12

## Supply includes:

- Enclosure with hinged door, of all-round solid construction, 3 mm double-bit lock
- Door hinged on the right, may be swapped to the left
- Mounting plate
- Twin seal on the top and bottom edges of the door as integral rain protection strip

Please note the product-specific scope of supply.

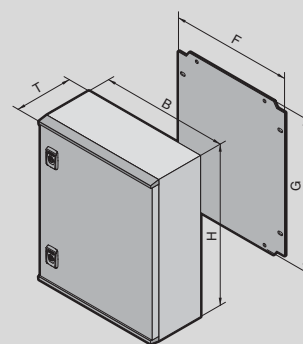
## Note:

- Interior installation screws are required to secure components inside the enclosure
- If exposed to long-term UV radiation (sunlight) and rain, we recommend spray-finishing the surface with a PUR paint to avoid any visual impairments to the surface. Prices and delivery times on request.

## Approvals:

- UL
- cUL

Further approvals can be found on the Internet.



## without viewing window

| Width (B) mm                                                                | Packs of  | 250             | 300             | 400             | 400             | 500             | 600             | 600             | 800             | Page |
|-----------------------------------------------------------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|
| Height (H) mm                                                               |           | 350             | 400             | 400             | 600             | 500             | 600             | 800             | 1000            |      |
| Depth (T) mm                                                                |           | 150             | 200             | 200             | 200             | 300             | 200             | 300             | 300             |      |
| Mounting plate width (F) mm                                                 |           | 155             | 205             | 305             | 305             | 405             | 505             | 505             | 705             |      |
| Mounting plate height (G) mm                                                |           | 275             | 325             | 325             | 525             | 425             | 525             | 725             | 925             |      |
| Mounting plate thickness mm                                                 |           | 2.5             | 2.5             | 2.5             | 3.0             | 3.0             | 3.0             | 3.0             | 3.0             |      |
| <b>Model No.</b>                                                            | 1 pc(s).  | <b>1432.000</b> | <b>1434.000</b> | <b>1444.000</b> | <b>1446.000</b> | <b>1453.000</b> | <b>1466.000</b> | <b>1468.000</b> | <b>1480.000</b> |      |
| Weight kg                                                                   |           | 7               | 6.96            | 8.5             | 12.3            | 14.5            | 17.5            | 25.4            | 38.7            |      |
| <b>Product-specific scope of supply</b>                                     |           |                 |                 |                 |                 |                 |                 |                 |                 |      |
| Cam lock                                                                    |           | 1               | 2               | 2               | 2               | 2               | 2               | 2               | 3               |      |
| <b>Accessories</b>                                                          |           |                 |                 |                 |                 |                 |                 |                 |                 |      |
| Wall mounting bracket                                                       | 4 pc(s).  | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 11   |
| Pole clamp                                                                  | 2 pc(s).  | 2584.100        | 2584.100        | 2584.100        | 2584.100        | 2584.100        | 2584.100        | 2584.100        | –               | 12   |
| Universal bracket                                                           | 4 pc(s).  | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 12   |
| Door stay                                                                   | 2 pc(s).  | –               | 1485.100        | 1485.100        | 1485.100        | 1485.100        | 1485.100        | 1485.100        | 1485.100        | 13   |
| LED system light                                                            |           | –               | –               | 2500.100        | 2500.100        | 2500.100        | 2500.100        | 2500.110        | 2500.110        | 16   |
| Mini-comfort handle AX                                                      | 1 pc(s).  | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 11   |
| Cable gland                                                                 |           | see page        | see page        | see page        | see page        | see page        | see page        | see page        | see page        | 14   |
| Screw for interior installation                                             | 50 pc(s). | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 12   |
| Wiring plan pocket                                                          | 1 pc(s).  | –               | –               | –               | –               | –               | 4116.500        | 4116.500        | 4118.500        | 14   |
| Punched section with mounting flange 23 x 64 mm, installation in the height | 4 pc(s).  | –               | 8617.110        | 8617.110        | 8617.130        | 8617.120        | 8617.130        | 8617.140        | 8617.150        | 15   |
| Punched section with mounting flange 23 x 64 mm, installation in the width  |           | –               | –               | 8617.110        | 8617.110        | 8617.120        | 8617.130        | 8617.130        | 8617.140        |      |
| Support strips, installation in the door                                    | 20 pc(s). | –               | –               | 4594.000        | 4594.000        | 4309.000        | 4596.000        | 4596.000        | 4598.000        | 13   |
| Punched section with mounting flange 14 x 39 mm, installation in the door   | 4 pc(s).  | –               | –               | 8619.700        | 8619.700        | 8619.710        | 8619.720        | 8619.720        | 8619.730        | 13   |



## Material:

- Enclosure and door: Fibreglass-reinforced unsaturated polyester
- Fire protection corresponding to UL 94 V-0
- Door: All-round foamed-in PU seal
- Mounting plate: Sheet steel
- Viewing window: Polycarbonate

## Surface finish:

- Enclosure and door: Dyed plastic with no after-treatment
- Mounting plate: Zinc-plated

## Colour:

- Similar to RAL 7035

## Protection class:

- II at 1000 V AC

## Protection category IP to IEC 60 529:

- IP 56

## Type rating to UL 50E:

- Type 1, 3R, 3RX, 4, 4X, 12

## Supply includes:

- Enclosure with hinged door with viewing window, of all-round solid construction, 3 mm double-bit lock
- Door hinged on the right, may be swapped to the left
- Mounting plate
- Twin seal on the top and bottom edges of the door as integral rain protection strip

Please note the product-specific scope of supply.

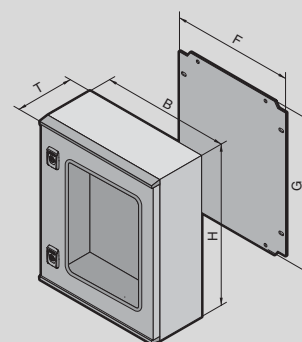
## Note:

- Interior installation screws are required to secure components inside the enclosure
- If exposed to long-term UV radiation (sunlight) and rain, we recommend spray-finishing the surface with a PUR paint to avoid any visual impairments to the surface. Prices and delivery times on request.

## Approvals:

- UL
- cUL

Further approvals can be found on the Internet.



## with viewing window

| Width (B) mm                                                                | Packs of  | 400             | 400             | 500             | 600             | 600             | 800             | Page |
|-----------------------------------------------------------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|
| Height (H) mm                                                               |           | 400             | 600             | 500             | 600             | 800             | 1000            |      |
| Depth (T) mm                                                                |           | 200             | 200             | 300             | 200             | 300             | 300             |      |
| Mounting plate width (F) mm                                                 |           | 305             | 305             | 405             | 505             | 505             | 705             |      |
| Mounting plate height (G) mm                                                |           | 325             | 525             | 425             | 525             | 725             | 925             |      |
| Mounting plate thickness mm                                                 |           | 2.5             | 3.0             | 3.0             | 3.0             | 3.0             | 3.0             |      |
| Model No.                                                                   | 1 pc(s).  | <b>1448.000</b> | <b>1449.000</b> | <b>1454.000</b> | <b>1467.000</b> | <b>1469.000</b> | <b>1479.000</b> |      |
| Weight kg                                                                   |           | 8.97            | 12.1            | 15.1            | 17.1            | 24.4            | 39.5            |      |
| Product-specific scope of supply                                            |           |                 |                 |                 |                 |                 |                 |      |
| Cam lock                                                                    |           | 2               | 2               | 2               | 2               | 2               | 3               |      |
| Accessories                                                                 |           |                 |                 |                 |                 |                 |                 |      |
| Wall mounting bracket                                                       | 4 pc(s).  | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 1485.400        | 11   |
| Pole clamp                                                                  | 2 pc(s).  | 2584.100        | 2584.100        | 2584.100        | 2584.100        | 2584.100        | –               | 12   |
| Universal bracket                                                           | 4 pc(s).  | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 1485.200        | 12   |
| Door stay                                                                   | 2 pc(s).  | 1485.100        | 1485.100        | 1485.100        | 1485.100        | 1485.100        | 1485.100        | 13   |
| LED system light                                                            |           | 2500.100        | 2500.100        | 2500.100        | 2500.100        | 2500.110        | 2500.110        | 16   |
| Mini-comfort handle AX                                                      | 1 pc(s).  | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 1485.600        | 11   |
| Cable gland                                                                 |           | see page        | see page        | see page        | see page        | see page        | see page        | 14   |
| Screw for interior installation                                             | 50 pc(s). | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 1485.300        | 12   |
| Wiring plan pocket                                                          | 1 pc(s).  | –               | –               | –               | 4116.500        | 4116.500        | 4118.500        | 14   |
| Punched section with mounting flange 23 x 64 mm, installation in the height | 4 pc(s).  | 8617.110        | 8617.130        | 8617.120        | 8617.130        | 8617.140        | 8617.150        | 15   |
| Punched section with mounting flange 23 x 64 mm, installation in the width  |           | 8617.110        | 8617.110        | 8617.120        | 8617.130        | 8617.130        | 8617.140        |      |
| Support strips, installation in the door                                    | 20 pc(s). | 4594.000        | 4594.000        | 4309.000        | 4596.000        | 4596.000        | 4598.000        | 13   |
| Punched section with mounting flange 14 x 39 mm, installation in the door   | 4 pc(s).  | 8619.700        | 8619.700        | 8619.710        | 8619.720        | 8619.720        | 8619.730        | 13   |

# Plastic enclosures AX

## Accessories



### Interior door

#### for AX plastic

Separation of the operating and equipment levels for reliable access protection. Also suitable for use as an additional mounting level, e.g. for control buttons, displays, etc.

#### Benefits:

- Acts as a protective cover for the components mounted behind the door
- Prevents unauthorised access to internal components
- Simple attachment of the interior door via the side mounting bosses, without machining of the enclosure
- Flexibility thanks to depth-variable installation to suit individual applications

#### Door opening angle:

- 105°

#### Material:

- Door and door frame: Sheet steel

#### Surface finish:

- Door: Powder-coated, textured paint
- Door frame: Zinc-plated

#### Colour:

- Door: RAL 7035

#### Supply includes:

- Door
- Cam lock with 3 mm double-bit insert
- Assembly screws



#### Accessories:

- Lock inserts, type A, see Catalogue 36, page 941

| For enclosure width mm | For enclosure height mm | Packs of | Model No.       |
|------------------------|-------------------------|----------|-----------------|
| 400                    | 400                     | 1 pc(s). | <b>1485.744</b> |
| 600                    | 600                     | 1 pc(s). | <b>1485.766</b> |
| 600                    | 800                     | 1 pc(s). | <b>1485.768</b> |



### Perforex MT Milling Terminal

Perforex MT Milling Terminals accelerate your throughput times when machining anything from the smallest enclosures and enclosure panels, through to large enclosures. The drilling and milling centres in the Perforex MT series allow you to machine any material, including spray-finished sheet and stainless steel, as well as aluminium, copper and plastic. A comprehensive range of CAD interfaces ensures problem-free data transfer from common CAD systems and planning tools such as .dxf, Eplan Pro Panel, RiPanel Processing Center and RiPanel.

Full details can be found at [www.rittal.com/RAS](http://www.rittal.com/RAS)

# Plastic enclosures AX

## Accessories

### Mini-comfort handle AX

#### for AX plastic

The lock is opened by swivelling the unlocked handle.

Prepared for the installation of lock inserts or for the installation of standard commercially available 40 or 45 mm profile half-cylinders, as well as lock and push-button inserts.

#### Protection category IP to IEC 60 529:

- IP 66 (in conjunction with AX plastic without viewing window)

#### Type rating to UL 50E:

- Type 1, 3R, 4, 12

| Packs of                                   | Model No.              |
|--------------------------------------------|------------------------|
| 1 pc(s).                                   | <b>1485.600</b>        |
| <b>Lock inserts, type A</b>                |                        |
| 7 mm square                                | 2460.000               |
| 8 mm square                                | 2461.000               |
| 7 mm triangular                            | 2462.000               |
| 8 mm triangular                            | 2463.000               |
| Screwdriver                                | 2464.000               |
| Daimler insert                             | 2465.000               |
| 3 mm double-bit                            | 2466.000               |
| Fiat                                       | 2307.000               |
| 6.5 mm triangular                          | 2460.650               |
| <b>Lock and push-button inserts</b>        |                        |
| Lock insert, lock no. 3524 E <sup>1)</sup> | 2467.000               |
| Push-button insert                         | 2468.000               |
| Push-button and lock insert <sup>1)</sup>  | 2469.000 <sup>2)</sup> |
| <b>Profile half-cylinders</b>              |                        |
| to DIN 18 252 <sup>3)</sup>                | 9785.040 <sup>5)</sup> |
|                                            | 9785.042 <sup>4)</sup> |

<sup>1)</sup> With two keys

<sup>2)</sup> Lock no. 2123; no other lock is possible

<sup>3)</sup> With 3 keys for each lock insert

<sup>4)</sup> Packs of two, simultaneous locking within the same pack, no simultaneous locking for different packs

<sup>5)</sup> Different closures



### Wall mounting bracket

#### for AX plastic

For attachment to the wall, only possible from the outside of the enclosure.

#### Material:

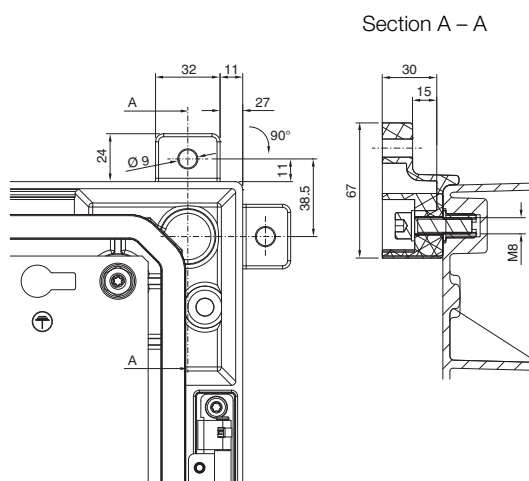
- Fibreglass-reinforced polyamide<sup>1)</sup>

#### Supply includes:

- Assembly parts for mounting on the enclosure

| Colour   | Packs of | Model No.                    |
|----------|----------|------------------------------|
| RAL 7035 | 4 pc(s). | <b>1485.400</b>              |
| RAL 9011 | 4 pc(s). | <b>1485.500<sup>1)</sup></b> |

<sup>1)</sup> With graphite additive for Ex applications



# Plastic enclosures AX

## Accessories



### Pole clamp

#### for AX, KX, AX plastic, AX IT

For reliable, convenient fastening to round or square poles.

For pole diameter / size:

- Ø from 40 to 170 mm
- □ from 50 to 150 mm

#### Material:

- Mounting angles, clamping section: Sheet steel
- Clamping strap: Stainless steel 1.4301 (AISI 304)

#### Surface finish:

- Mounting angle, clamping section: Zinc-plated

#### Supply includes:

- 2 mounting angles, 600 mm long
- 4 clamping sections
- 2 clamping straps
- 4 clamping brackets
- Assembly parts

| Packs of | Model No.       |
|----------|-----------------|
| 2 pc(s). | <b>2584.100</b> |



### Universal bracket

#### for AX plastic and Ex enclosure, plastic

For the interior installation on a 25 mm pitch pattern of

- Punched sections with mounting flanges
- Door rails
- Support strips

#### Material:

- Sheet steel, zinc-plated

#### Supply includes:

- Assembly parts

| Packs of | Model No.       |
|----------|-----------------|
| 4 pc(s). | <b>1485.200</b> |



### Screw for interior installation

#### for AX plastic

For mounting accessories on the mounting bosses of the enclosure frame.

Drive: Multi-tooth 25

Dimensions: 5 x 14 mm

| Type of screw                | Packs of  | Model No.       |
|------------------------------|-----------|-----------------|
| Pan head screw, self-tapping | 50 pc(s). | <b>1485.300</b> |



# Plastic enclosures AX

## Accessories

### Support strip

For attachment of

- Cable ducts
- Cable conduit holder
- Equipment installed on the door
- Cable clamping and attachment

4.5 mm diameter hole on a 25 mm DIN pitch pattern

#### Installation options:

- In the AX plastic, on mounting bosses in the door

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

| For door width mm | Distance between attachment points mm | Packs of  | Model No.       |
|-------------------|---------------------------------------|-----------|-----------------|
| 400               | 275                                   | 20 pc(s). | <b>4594.000</b> |
| 500               | 375                                   | 20 pc(s). | <b>4309.000</b> |
| 600               | 475                                   | 20 pc(s). | <b>4596.000</b> |
| 800               | 675                                   | 20 pc(s). | <b>4598.000</b> |



#### Accessories:

- Screw for interior installation, see page 12



### Punched section with mounting flange, 14 x 39 mm for door installation

For attachment of

- Cable ducts
- Cable conduit holder
- Equipment installed on the door, etc.

#### Installation options:

- In the AX plastic, on mounting bosses in the door

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

| For door width mm | Distance between attachment points mm | Packs of | Model No.       |
|-------------------|---------------------------------------|----------|-----------------|
| 400               | 275                                   | 4 pc(s). | <b>8619.700</b> |
| 500               | 375                                   | 4 pc(s). | <b>8619.710</b> |
| 600               | 475                                   | 4 pc(s). | <b>8619.720</b> |
| 800               | 675                                   | 4 pc(s). | <b>8619.730</b> |



#### Accessories:

- Screw for interior installation, see page 12



### Door stay AX

for AX plastic and Ex enclosure, plastic

To secure the door in the open position. May be fitted without machining the enclosure.

#### Supply includes:

- Assembly parts

#### Installation options:

- Installation directly at the bottom right/top left
- When swapping the door hinge to the opposite side, the prefitted door stay is easily removed and re-installed

| Assembly   | Packs of | Model No.       |
|------------|----------|-----------------|
| Top/bottom | 2 pc(s). | <b>1485.100</b> |



# Plastic enclosures AX

## Accessories



### Wiring plan pocket, sheet steel

For fastening to the mounting bosses in the door of AX plastic enclosures.

**Colour:**

- RAL 7035

**D = 35 mm**

| To fit door width mm | Clearance openings mm |     | Model No.       |
|----------------------|-----------------------|-----|-----------------|
|                      | B                     | H   |                 |
| 600                  | 455                   | 210 | <b>4116.500</b> |
| 800                  | 655                   | 210 | <b>4118.500</b> |



**Also required:**

- Screw for interior installation, see page 12



### Plastic wiring plan pocket

For adhering to surfaces.

**Material:**

- Polystyrene with self-adhesive fastening strips

**Colour:**

- Similar to RAL 7035

| For format   | Clearance openings mm |     |    | Model No.       |
|--------------|-----------------------|-----|----|-----------------|
|              | B                     | H   | T  |                 |
| A3 landscape | 438                   | 286 | 45 | <b>2513.000</b> |
| A4 portrait  | 228                   | 254 | 17 | <b>2514.000</b> |
| A5 landscape | 228                   | 174 | 17 | <b>2515.000</b> |



### Wiring plan pocket with transparent pouch

With welded-on transparent pouch and self-adhesive backing.

| For format | Model No.       |
|------------|-----------------|
| A4         | <b>2510.000</b> |
| A3         | <b>2512.000</b> |



### Cable gland, polyamide

**Benefits:**

- Because the gland and lock nut are sold together in a single pack, this saves additional ordering and storage
- Clamping membranes for even tightening and strain relief to protect the cables

**Material:**

- Polyamide 6
- Seal: CR

**Colour:**

- RAL 7035

**Protection category IP to IEC 60 529:**

- IP 68 (5 bar, 30 min.)

**Approvals:**

- VDE, UL, cUL, CSA

| Size      | Packs of  | Model No.       |
|-----------|-----------|-----------------|
| M12 x 1.5 | 50 pc(s). | <b>2411.601</b> |
| M16 x 1.5 | 50 pc(s). | <b>2411.611</b> |
| M20 x 1.5 | 50 pc(s). | <b>2411.621</b> |
| M25 x 1.5 | 25 pc(s). | <b>2411.631</b> |
| M32 x 1.5 | 15 pc(s). | <b>2411.641</b> |
| M40 x 1.5 | 5 pc(s).  | <b>2411.651</b> |
| M50 x 1.5 | 5 pc(s).  | <b>2411.661</b> |
| M63 x 1.5 | 3 pc(s).  | <b>2411.671</b> |

# Plastic enclosures AX

## Accessories

### Punched section with mounting flange, 23 x 64 mm

For variable, individual interior installation.

#### Installation options:

AX plastic

- In the width and height of the enclosure in conjunction with universal bracket

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts

| For enclosure width/height/depth mm | Packs of | Model No.       |
|-------------------------------------|----------|-----------------|
| 400                                 | 4 pc(s). | <b>8617.110</b> |
| 500                                 | 4 pc(s). | <b>8617.120</b> |
| 600                                 | 4 pc(s). | <b>8617.130</b> |
| 800                                 | 4 pc(s). | <b>8617.140</b> |
| 1000                                | 4 pc(s). | <b>8617.150</b> |



#### Also required:

- For AX plastic:  
Universal bracket 1485.200, see page 12



#### Accessories:

- Screw for interior installation, see page 12



### Mounting plate

#### Screw-fastened, large

#### Installation options:

- For attachment to mounting bosses in the door and on enclosure surfaces inside AX plastic enclosures

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

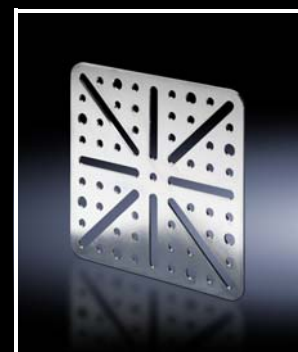
- Assembly screws

| Packs of | Model No.       |
|----------|-----------------|
| 4 pc(s). | <b>8612.410</b> |



#### Accessories:

- Screw for interior installation, see page 12



### Mounting plate

#### Screw-fastened, small

#### Installation options:

- For attachment to mounting bosses in the door and on enclosure surfaces inside AX plastic enclosures

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly screws

| Packs of | Model No.       |
|----------|-----------------|
| 4 pc(s). | <b>4532.000</b> |



#### Accessories:

- Screw for interior installation, see page 12



### Mounting bracket

#### Installation options:

- For attachment to mounting bosses in the door and on enclosure surfaces inside AX plastic enclosures

#### Material:

- Sheet steel

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly screws

| Packs of | Model No.       |
|----------|-----------------|
| 4 pc(s). | <b>4597.000</b> |



#### Accessories:

- Screw for interior installation, see page 12



# Plastic enclosures AX

## Accessories



### LED system light

#### Material:

- Plastic
- Aluminium

#### Colour:

- Similar to RAL 7016

#### Protection class:

- II (all-insulated)

#### Light colour:

- 4000 K (neutral white)

#### Supply includes:

- Assembly screws



#### Also required:

- Connection accessories, see page 16
- Mounting bracket for interior installation, see page 16

| Model No.                                  |        | 2500.100       | 2500.104       | 2500.110       | 2500.114       |
|--------------------------------------------|--------|----------------|----------------|----------------|----------------|
| Performance                                |        | 400            | 400            | 600            | 600            |
| Length (mm)                                |        | 262            | 262            | 337            | 337            |
| Rated operating voltage                    |        | 100 – 240 V AC | 100 – 240 V AC | 100 – 240 V AC | 100 – 240 V AC |
| Approvals                                  | UL/cUL | –              | ■              | –              | ■              |
|                                            | CSA    | –              | ■              | –              | ■              |
|                                            | CCC    | ■              | ■              | ■              | ■              |
|                                            | ENEC   | ■              | ■              | ■              | ■              |
| Connection options                         |        | Infeed, 2-pole |                |                |                |
| Accessories                                |        |                |                |                |                |
| Mounting bracket for interior installation |        | 6205.100       | 6205.100       | 6205.100       | 6205.100       |
| Door-operated switch                       |        | 2500.460       | –              | 2500.460       | –              |
| Door-operated switch, UL                   |        | –              | 2500.470       | –              | 2500.470       |
| Connection accessories                     |        |                |                |                |                |
| Infeed, 2-pole                             |        | 2500.420       | –              | 2500.420       | –              |
| Infeed, 2-pole, UL                         |        | –              | 2500.520       | –              | 2500.520       |



### Mounting bracket

#### for interior installation

For installing the LED system light in

- AX plastic enclosures

#### Material:

- Sheet steel

| Packs of | Model No. |
|----------|-----------|
| 4 pc(s). | 6205.100  |

#### Surface finish:

- Zinc-plated

#### Supply includes:

- Assembly parts



### Connection accessories

#### for LED system light

The following components can be used for time-saving, easy installation of the lights:

| Connection cable for           | ENEC | UL | Length mm | Packs of | Model No. |
|--------------------------------|------|----|-----------|----------|-----------|
| Infeed, 2-pole, 100 – 240 V AC | –    | –  | 3000      | 1        | 2500.520  |
| Infeed, 2-pole, 100 – 240 V AC | –    | –  | 3000      | 5        | 2500.420  |



### Door-operated switch

#### with connection cable for LED system light

#### Supply includes:

- Assembly parts

|                  | ENEC | UL | Length mm | To fit                | Packs of | Model No. |
|------------------|------|----|-----------|-----------------------|----------|-----------|
| Connection cable | –    | –  | 800       | 230 V AC/24 V DC, 1 A | 1 pc(s). | 2500.460  |
|                  | –    | –  | 800       |                       | 1 pc(s). | 2500.470  |

# Maximum protection for your equipment

---

With a host of advantages, such as an F1 rating to UL 746C, plus integrated rain protection strips and stable stainless steel hinges, the robust AX series of plastic enclosures is ideal for use in even the harshest environments.



## Maritime industry

Extreme ambient conditions place particular demands on the material and surface properties of an enclosure. The plastic enclosure offers corrosion protection and is resistant to salt water and salty air.



## Wastewater management

Especially in this field, enclosures are exposed to various damaging influences, for example aggressive vapours which can attack the material. The plastic enclosure offers optimum protection against this as well as against wind and weather.



## Railway technology

Thanks to its robust material and stable construction, the plastic enclosure withstands aggressive environments, dampness and all arising pressure/suction forces.

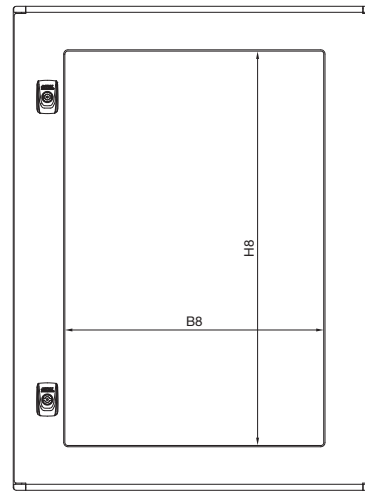


## Airports

The plastic enclosure withstands UV radiation, rain, snow and storm, and offers protection against flying debris such as tyre wear particles.

## Plastic enclosure AX

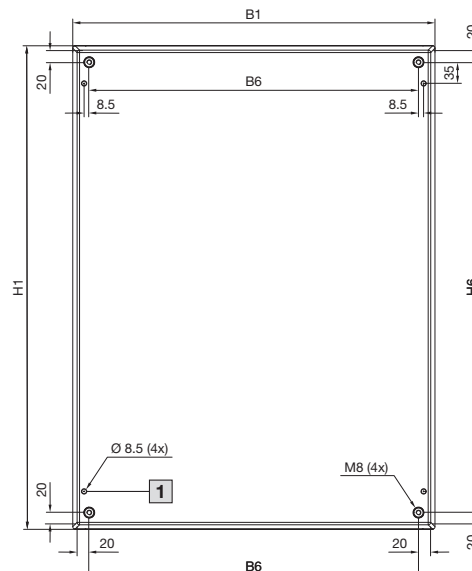
With viewing window



- 1 Not with 1432.000
- 2 Centre lock only for 1432.000, 1479.000, 1480.000

- 1** Mounting bosses for interior installation in the roof  
(no mounting lugs in the roof  
for 1432.000, 1434.000)

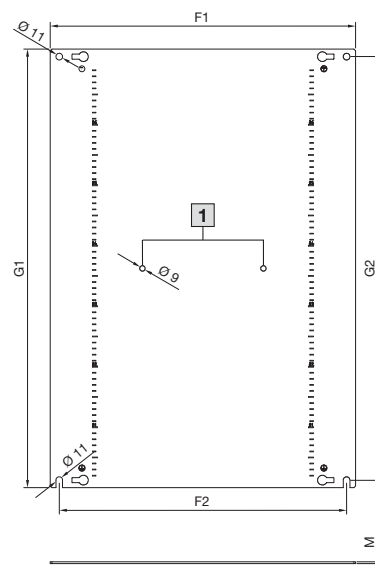
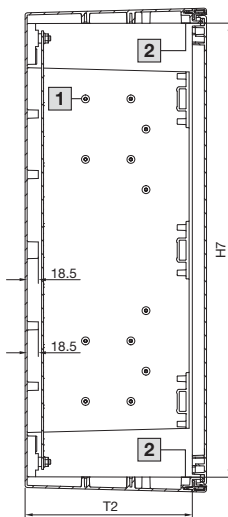
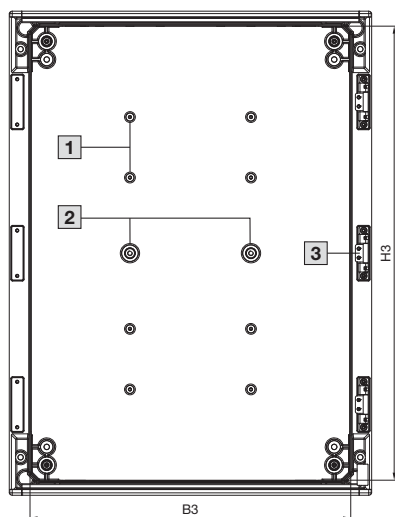
Rear



- 1 Not applicable  
for D 150 mm

## Plastic enclosure AX

Section B – B



- 1 Mounting bosses on rear panel  
(not applicable for 1432.000, 1434.000)
- 2 Centre mounting points for mounting plate  
(not applicable for 1432.000, 1434.000,  
1444.000, 1448.000)

- 1 Mounting bosses  
for interior installation
- 2 Preparation for direct mounting  
of a door-operated switch

- 1 Centre mounting points for mounting plate  
(not applicable for 1432.000, 1434.000,  
1444.000, 1448.000)

### Enclosure

B1 = Enclosure width (overall width)  
 B2 = Door width  
 B3 = Clearance width, enclosure opening  
 B4 = Clearance width between door  
 reinforcement  
 B5 = Distance between door reinforcement  
 attachment points  
 B6 = Width spacing of enclosure mounting  
 points  
 B7 = Clear enclosure width between  
 mounting points  
 B8 = Visible width for versions with viewing  
 window

H1 = Enclosure height (overall height)  
 H2 = Door height  
 H3 = Clearance height, enclosure opening  
 H4 = Clearance height between door  
 reinforcement  
 H5 = Distance between door reinforcement  
 attachment points  
 H6 = Height spacing of enclosure mounting  
 points  
 H7 = Clear enclosure height between  
 mounting points  
 H8 = Visible height for versions with viewing  
 window

T1 = Overall depth  
 T2 = Enclosure depth  
 T3 = Installation depth (distance from  
 inside of door to mounting plate)

### Mounting plate

F1 = Mounting plate width  
 F2 = Centre-to-centre spacing of  
 the attachment holes  
 G1 = Mounting plate height  
 G2 = Centre-to-centre spacing of  
 the attachment holes  
 M = Mounting plate thickness

| Model No.<br>AX | Width dimensions<br>mm |       |       |     |     |       |     |     | Height dimensions<br>mm |       |       |     |     |       |     |     | Depth<br>dimensions<br>mm |       |     | Mounting plate<br>mm |     |     |     |     | Viewing window |      |
|-----------------|------------------------|-------|-------|-----|-----|-------|-----|-----|-------------------------|-------|-------|-----|-----|-------|-----|-----|---------------------------|-------|-----|----------------------|-----|-----|-----|-----|----------------|------|
|                 | B1                     | B2    | B3    | B4  | B5  | B6    | B7  | B8  | H1                      | H2    | H3    | H4  | H5  | H6    | H7  | H8  | T1                        | T2    | T3  | F1                   | F2  | G1  | G2  | M   | Without        | With |
| 1432.000        | 250                    | 245.9 | 176.6 | 104 | 125 | 202.2 | 200 | –   | 350                     | 326.4 | 300.6 | 228 | 250 | 302.2 | 300 | –   | 150                       | 126.5 | 116 | 155                  | 125 | 275 | 250 | 2.5 | ■              | –    |
| 1434.000        | 300                    | 295.9 | 226.6 | 154 | 175 | 249.5 | 250 | –   | 400                     | 376.4 | 350.6 | 278 | 300 | 349.5 | 350 | –   | 200                       | 176.5 | 166 | 205                  | 175 | 325 | 300 | 2.5 | ■              | –    |
| 1444.000        | 400                    | 395.9 | 326.6 | 254 | 275 | 349.5 | 350 | –   | 400                     | 376.4 | 350.6 | 278 | 300 | 349.5 | 350 | –   | 200                       | 176.5 | 166 | 305                  | 275 | 325 | 300 | 2.5 | ■              | –    |
| 1446.000        | 400                    | 395.9 | 326.6 | 254 | 275 | 349.5 | 350 | –   | 600                     | 576.4 | 550.6 | 478 | 500 | 549.5 | 550 | –   | 200                       | 176.5 | 166 | 305                  | 275 | 525 | 500 | 3   | ■              | –    |
| 1448.000        | 400                    | 395.9 | 326.6 | 254 | 275 | 349.5 | 350 | 228 | 400                     | 376.4 | 350.6 | 278 | 300 | 349.5 | 350 | 252 | 200                       | 176.5 | 166 | 305                  | 275 | 325 | 300 | 2.5 | –              | ■    |
| 1449.000        | 400                    | 395.9 | 326.6 | 254 | 275 | 349.5 | 350 | 228 | 600                     | 576.4 | 550.6 | 478 | 500 | 549.5 | 550 | 452 | 200                       | 176.5 | 166 | 305                  | 275 | 525 | 500 | 3   | –              | ■    |
| 1453.000        | 500                    | 495.9 | 426.6 | 354 | 375 | 444.3 | 450 | –   | 500                     | 476.4 | 450.6 | 378 | 400 | 444.3 | 450 | –   | 300                       | 276.5 | 266 | 405                  | 375 | 425 | 400 | 3   | ■              | –    |
| 1454.000        | 500                    | 495.9 | 426.6 | 354 | 375 | 444.3 | 450 | 328 | 500                     | 476.4 | 450.6 | 378 | 400 | 444.3 | 450 | 352 | 300                       | 276.5 | 266 | 405                  | 375 | 425 | 400 | 3   | –              | ■    |
| 1466.000        | 600                    | 595.9 | 526.6 | 454 | 475 | 549.5 | 550 | –   | 600                     | 576.4 | 550.6 | 478 | 500 | 549.5 | 550 | –   | 200                       | 176.5 | 166 | 505                  | 475 | 525 | 500 | 3   | ■              | –    |
| 1467.000        | 600                    | 595.9 | 526.6 | 454 | 475 | 549.5 | 550 | 428 | 600                     | 576.4 | 550.6 | 478 | 500 | 549.5 | 550 | 452 | 200                       | 176.5 | 166 | 505                  | 475 | 525 | 500 | 3   | –              | ■    |
| 1468.000        | 600                    | 595.9 | 526.6 | 454 | 475 | 544.3 | 550 | –   | 800                     | 776.4 | 750.6 | 678 | 700 | 744.3 | 750 | –   | 300                       | 276.5 | 266 | 505                  | 475 | 725 | 700 | 3   | ■              | –    |
| 1469.000        | 600                    | 595.9 | 526.6 | 454 | 475 | 544.3 | 550 | 428 | 800                     | 776.4 | 750.6 | 678 | 700 | 744.3 | 750 | 652 | 300                       | 276.5 | 266 | 505                  | 475 | 725 | 700 | 3   | –              | ■    |
| 1479.000        | 800                    | 795.9 | 726.6 | 654 | 675 | 744.3 | 750 | 628 | 1000                    | 976.4 | 950.6 | 878 | 900 | 944.3 | 950 | 852 | 300                       | 276.5 | 266 | 705                  | 675 | 925 | 900 | 3   | –              | ■    |

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