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Rittal 1485.300

Rittal 1485.300 Plastic Sheet Metal Screws User Manual

Model: 1485.300 | Brand: Rittal

PRODUCT OVERVIEW

The Rittal 1485.300 plastic sheet metal screws are designed for secure fastening in various interior applications. These screws are made from durable plastic, offering a lightweight and corrosion-resistant alternative to traditional metal fasteners. They are supplied in packs of 50 pieces.



Image: Two Rittal 1485.300 plastic sheet metal screws. Each screw features a wide, flat head with a hexagonal recess for driving, and a threaded shank designed for sheet metal. They are presented on a dark, reflective surface, highlighting their metallic-like finish.

SPECIFICATIONS

Attribute	Detail
Model Number	1485.300
Brand	Rittal
Material	Plastic
Application	Interior applications
Quantity per pack	50 pieces

SETUP AND INSTALLATION

These screws are designed for straightforward installation. Ensure you have the correct driving tool for the hexagonal recess in the screw head.

- Preparation:** Identify the material and thickness of the sheet metal or panel where the screw will be used. Ensure the material is suitable for plastic screws.
- Pilot Hole (Optional):** For harder materials or to prevent cracking, a pilot hole slightly smaller than the screw's core diameter may be drilled.
- Driving the Screw:** Insert the appropriate hexagonal driver bit into the screw head. Apply steady, even pressure while rotating the screw clockwise until it is firmly seated. Avoid over-tightening to prevent stripping the material or damaging the screw head.
- Securing:** The screw should create a secure, flush, or slightly recessed fit depending on the application.

OPERATING CONSIDERATIONS

While these screws do not have "operating" functions in the traditional sense, proper handling ensures their effectiveness and longevity.

- Material Compatibility:** Use these plastic screws primarily for applications where corrosion resistance is critical or where lightweight fastening is preferred. They are suitable for interior use.
- Load Bearing:** Plastic screws typically have lower shear and tensile strength compared to metal screws. Do not use them in applications requiring high load-bearing capacity or structural integrity.
- Temperature Range:** Avoid exposing the screws to extreme temperatures that could degrade plastic materials.

MAINTENANCE

Rittal 1485.300 plastic sheet metal screws require minimal maintenance once installed.

- Inspection:** Periodically inspect installed screws for any signs of loosening or damage, especially in applications subject to vibration or movement.
- Cleaning:** If necessary, clean the screws with a soft, damp cloth. Avoid harsh chemicals that could degrade the plastic.
- Storage:** Store unused screws in a cool, dry place away from direct sunlight and extreme temperatures to preserve material integrity.

TROUBLESHOOTING

Most issues related to these screws can be resolved by ensuring correct installation practices.

- Screw Not Seating Properly:**
 - Cause:* Pilot hole too small or material too dense.
 - Solution:* Ensure pilot hole is appropriate size, or consider a different fastening method for very dense materials.
- Screw Head Stripping:**
 - Cause:* Incorrect driver bit size, excessive torque, or worn driver bit.
 - Solution:* Use the correct hexagonal driver bit, apply appropriate torque, and replace worn bits.
- Screw Loosening Over Time:**
 - Cause:* Vibration, material expansion/contraction, or insufficient initial tightening.
 - Solution:* Re-tighten if possible without over-tightening. For high-vibration environments, consider using thread-locking compounds suitable for plastic or alternative fastening methods.



WARRANTY AND SUPPORT


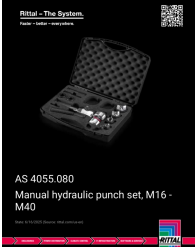


For information regarding warranty terms and conditions for Rittal products, please refer to the official Rittal website or contact your local Rittal distributor. Product support and technical assistance can also be obtained through these channels.

Note: As these are consumable fastening components, specific warranties may apply to manufacturing defects rather than wear and tear from use.

Rittal Official Website: www.rittal.com

Related Documents - 1485.300

	<p>Rittal Speed Control EC 3235.460: Assembly and Operating Instructions</p> <p>Official assembly and operating instructions for the Rittal Speed Control EC unit (Model 3235.460). Covers application, safety, functional description, electrical connection, technical data, and warranty for Rittal enclosure climate control systems.</p>
	<p>Rittal Blue e+ Chiller: Assembly and Operating Instructions for Cooling Media</p> <p>Comprehensive assembly and operating manual for Rittal Blue e+ chillers (SK 3320200, SK 3334300, SK 3334400, SK 3334307, SK 3334407). Covers installation, commissioning, operation, maintenance, and troubleshooting for efficient cooling media management.</p>

	<p>Rittal Blue e+ Refrigeradores para Armarios de Distribución: Manual de Instalación y Operación</p> <p>Manual de Rittal que detalla el montaje, instalación y operación de los refrigeradores Blue e+ para armarios de distribución (modelos SK 3178800 a SK 3184840), incluyendo seguridad, especificaciones y mantenimiento.</p>
	<p>Rittal AS 4055.080 Manual Hydraulic Punch Set M16-M40 Technical Specifications</p> <p>Detailed technical specifications and features for the Rittal AS 4055.080 manual hydraulic punch set, designed for M16 to M40 threads and sheet steel up to 3mm thick. Includes supply contents and dimensional data.</p>
	<p>Rittal Flexible Busbar Advantage: Technical Paper and Specifications</p> <p>Explore the benefits, applications, technical specifications, and fabrication procedures of Rittal's Flexible Busbar system, a reliable alternative to traditional cable and rigid busbars for power distribution and control.</p>
	<p>Rittal KX Small Enclosures: Assembly and Operating Instructions</p> <p>Comprehensive assembly and operating instructions for Rittal KX sheet steel small enclosures, detailing installation, safety, technical specifications, and maintenance for models like KX 1500.000 and others.</p>