

ESD Reverse Mesh Rack

◆ Product Description

ESD Wire Mesh Shelving is a mobile anti-static storage solution specifically designed for ESD-sensitive industries such as electronics, semiconductors and precision instruments. Integrated with a flexible swivel caster design, it achieves the dual functions of electrostatic protection and convenient mobility. It effectively protects ESD-sensitive components from electrostatic damage, while improving the efficiency of material turnover and space utilization.

- High-efficiency ESD protection with stable and reliable shielding performance
- Flexible mobility paired with stable positioning
- Modular design for easy assembly, disassembly and adjustment
- Robust and durable with excellent load-bearing capacity
- Strong adaptability to meet diverse scenario requirements

◆ Product Structure

- The ESD wire mesh shelving is made of carbon steel with chrome plating. its main structure consists of columns with equally spaced adjustment holes and carbon steel wire mesh shelves with chrome plating, enabling tool-free quick assembly and disassembly via metal buckles. The bottom is equipped with 4 grey anti-static swivel casters (2 with double brakes and 2 standard ones), and a conductive chain is additionally installed to form a complete electrostatic discharge path, featuring both flexible mobility and stable stationary performance.

◆ Typical Applications

- The ESD wire mesh shelving is widely applicable to various scenarios in the electronics industry: it can serve as temporary material stations beside SMT production lines to meet the demand for rhythmic material picking in line with the production tempo; it can be used for the classified storage of sensitive components such as chips and capacitors in electronic component warehouses, improving warehouse sorting efficiency; and it can eliminate the potential risks of electrostatic dust adsorption.



◆ Typical Product Data and Physical Properties

Main Frame Material: Carbon steel with chrome plating
 Anti-static Swivel Casters: Solid rubber tread + carbon steel with chrome-plated bracket
 Conductive Chain: Copper-plated carbon steel chain
 Uniform Load Capacity per Shelf: $\geq 220\text{kg}/\text{layer}$
 Spacing of Column Adjustment Holes: 25.4 MM
 Verticality Deviation of Frame: $\leq 0.5^\circ$
 Anti-static Resistance Value: $< 1.0 \times 10^9 \Omega$
 Electrostatic Discharge Time: $\leq 0.1\text{ s}$

Availability:

| Item# | Number of Layers | Spec | Weight |
|----------------|-------------------|-----------------|--------|
| 1.4.02.02.0009 | 4-Layer Wire Mesh | 1300*450*1300MM | 35kg |
| 1.4.02.02.0011 | 3-Layer Wire Mesh | 1200*450*1300MM | 30kg |
| 1.4.02.02.0018 | 3-Layer Wire Mesh | 900*450*1200MM | 25kg |
| 1.4.02.02.0013 | 3-Layer Wire Mesh | 800*400*850MM | 20kg |

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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