Assembly and Operating Instructions

3-Tier ESD Wire Mesh Trolley, Model 5CAE-229A9

1. General Information

This document provides assembly instructions, safe use guidelines and basic operating information for the 3-tier ESD wire mesh trolley, model 5CAE-229A9, intended for professional use in industrial and laboratory environments.

Document version: 1.0
Issue date: 06/2026

2. Manufacturer and Importer

EU Importer:
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Manufacturer:
Shanghai Leenol Industrial Co., Ltd.
No. 129, Lane 822, Zhennan Rd.
Putuo Area, Shanghai, China

3. Intended Use and Operating Conditions

- The 3-tier ESD wire mesh trolley is intended for transporting and temporarily storing goods and electronic components in ESD Protected Areas (EPAs).
- Operating conditions: indoor use only, on a level, hard and dry floor that is electrically conductive or electrostatic dissipative.
- Prohibited use: on steep ramps, in damp or corrosive environments, or on uneven or soft surfaces.
- The trolley must not be used to transport people or as a work platform.
- Maximum total load capacity of the trolley, with the load evenly distributed: 200 kg.





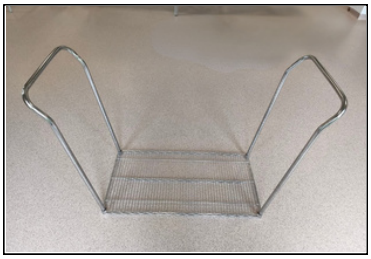
4. Parts List

A. Support posts with handle – 2 pcs.
B. Assembly clips – 12 sets (24 halves)
C. Grounding chain – 1 pc.
D. Wire mesh shelf – 3 pcs.
E. 360° swivel castors – 4 pcs.
– 2 swivel castors without brakes
– 2 swivel castors with brakes

Before assembly, check that all parts are included and free from mechanical damage.

5. Trolley Assembly
Read the entire manual before starting assembly. Assemble the trolley on a level surface using suitable tools (a rubber mallet is recommended).

Step 1. Insert the support posts (A) into the corner holes of the bottom shelf (D).

Step 2. Position the shelf at the required height and secure it with the clips (B), fitting them onto each support post beneath the shelf.

- The clips should prevent the shelf from sliding down.
- Each clip is marked “TOP” with an arrow indicating which end should face upwards.
- Each clip consists of two halves. Pair the halves marked with the same number.
- Align the raised ridges inside each clip with the grooves on the support post.

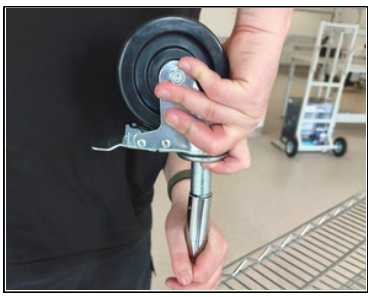




Step 3. Slide the second shelf onto the support posts, position it at the required height and secure it with the clips as described above.

Step 4. Slide the third shelf onto the support posts, position it at the required height and secure it with the clips.

Step 5. Insert the castor stems (E) into the holes in the support posts. If necessary, use a rubber mallet, taking care not to strike the metal parts directly. Fit both braked castors on the same side of the trolley - the operator’s side.


Step 6. Attach the grounding chain (C) to the bottom shelf or a support post so that a few centimetres of its free end rest on the floor.

After assembly, check that the trolley is stable and that all castors and shelves are securely fitted.

6. Safe Use Guidelines

- Always engage the castor brakes before loading or unloading.
- Do not exceed the maximum load capacity of any individual shelf or the maximum total load capacity of the trolley.
- Distribute the load evenly and place heavier items on the lower shelves.
- Push the trolley from the side with the braked castors (the operator's side). Avoid sudden manoeuvres and excessive speed.
- Do not stand on the shelves, sit on the trolley or use it as a ladder or work platform.
- Use the trolley only on surfaces specified by the manufacturer: level, hard and dry.

7. Grounding and ESD Environment

The trolley is intended for use in ESD Protected Areas (EPAs).
The grounding chain must remain in continuous contact with an electrically conductive or electrostatic dissipative ESD floor.
Before use, ensure that the floor and the facility's grounding system meet the requirements of the applicable ESD standards.
Periodic checks of the trolley's grounding continuity are recommended in accordance with the user's internal procedures, for example by measuring resistance.

8. Maintenance and Periodic Inspection

Regular maintenance extends the trolley's service life and ensures safe use.
At least once a month, or in accordance with the facility's internal procedures, check:

- The condition of the assembly clips and the stability of the shelves.
- The condition of the castors, including smooth rotation and brake operation.
- The condition of the grounding chain, ensuring that it is undamaged and maintains reliable contact with the floor.
- The structural components for deformation and cracks.

Clean the metal components and shelves using cleaning agents approved for use in ESD environments. Do not use aggressive chemicals that could damage the coatings or electrostatic properties.
Replace damaged components immediately with genuine spare parts.

9. Disposal

At the end of its service life, dispose of the trolley in accordance with local waste management regulations:

- Steel components: send for scrap metal recycling.
- Plastic components and castors: separate in accordance with local guidelines.
- Other components: dispose of in accordance with applicable regulations.

10. Contact

For questions regarding assembly, use, spare parts or language versions of this manual, please contact:
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