

THIS OFFICE CHAIR IS ALSO A LIGHTNING CONDUCTOR.

Mera (mer98 and mer98k) ESD model



SHOCKING - BUT DON'T LET YOUR WORK SUFFER!




You know what it's like: that sudden jolt of electricity through your hand when you touch something metal. This happens when your body becomes statically charged by friction, for example when you walk on a carpet, and then rapidly discharges.

This abrupt electrostatic discharge – ESD for short – is potentially dangerous. For instance it can damage sensitive electronic components that are being manufactured or processed. The solution: the Mera ESD office chair model (mer98 and mer98k).

MERA ESD. EVEN HIGH-TECH EXPERTS ARE GROUNDED.



ESD PROPERTIES AT A GLANCE.

- Conductive upholstery fabric in four colours or black synthetic leather
- Backrest shell with special conductive paint
- Armrests made from special plastic and armrest tops with special paint finish
- Elastic, conductive connection bands with silver content
- Modified lift column
- EPA suitability label 
- Star base and castors are conductive

The Mera ESD task chair (mer98 and mer98k) meets ESD protection requirements. It is suitable for use in electrostatically protected areas (EPA) as specified by DIN EN 61340-5-1 VDE 0300-5-1:2017-07.

The construction and materials used for the Mera ESD (mer98 and mer98k) conduct electrostatic charges through the upholstery, armrests and back via the mechanism, gas spring and star base down to the ground.

The ESD specification of the Klöber Mera task chair provides protection from harmful electrostatic discharge. Two strategies are in action here: firstly the contact surfaces are conductive thanks to special upholstery fabrics, paint and materials. This prevents the user from accumulating a static charge. Secondly the Mera ESD earths any electrical charge by conducting it away slowly through the entire structure of the chair. It's important that the antistatic chair is used with a suitable – i.e. conductive – floor covering.

CHARGED WITH EXPECTATION: THE ESD-TEST CERTIFICATE.

“THE MERA ESD SPECIFICATION IS THE FIRST OFFICE CHAIR I’VE TESTED THAT ALSO HAS CONDUCTIVE ARMREST AND BACK.”

Friedrich Kurz, Quality Manager, Balluff GmbH



The Fraunhofer Institute for Manufacturing Engineering and Automation confirmed the conductive properties of the Mera ESD (mer98 and mer98k): “The measured result is below the required limit $1 \times 10^9 \Omega$ in accordance with DIN EN 61340-5-1 for ESD-protection elements.”

Every ESD chair is tested before shipping. A test voltage of 100 V is used to measure the conductive resistance of every potential contact surface. The result is recorded in the test report provided with every chair.

ADD-ON FOR ANTISTATIC: ANTI-DUST

The Mera task chair (mer98 and mer98k) in skai Mano S synthetic leather is suitable for Class 4 cleanrooms that are certified in accordance with ISO 14644-1. The upholstery and abrasion-resistant controls do not release particles into the air. The chair surfaces are also easy to clean. The specification with Klöber Klimatechnologie is an ideal heat source for use in chilled working areas.

Potential uses:

- Pharmaceutical industry
- Medical technology
- Biotechnology
- Hospitals
- Display manufacture
- Blister packaging centres
- Cosmetics industry
- Semiconductor industry
- Automotive industry
- Microtechnology
- Nanostructure technology
- Optical industry
- Laser technology
- Data storage industry
- Solar power industry
- Food processing
- Packaging technology
- Aerospace technology

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