

TECHNICAL DATA SHEET

MOTION Air ESD S1 No. 72170


Sz. 38 - 47



LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S1	Basic requirement for S1: A Antistatic shoe - E Energy absorption in the heel - Closed heel area
Additional requirements	FO FUEL RESISTANCE SR SLIP RESISTANCE on ceramic tile with glycerine.



FORM

Safety shoe 	Form A - in size 42, the upper height must not exceed 11.2 cm.
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AREAS OF APPLICATION

Areas of application	Dry work areas Industry, storage, transport, assembly etc. (S1) Areas where there is a risk of electrostatic discharge (ESDS/ESD) E.g. airports, airplane construction, automobile manufacturing No scratches from metal parts Close to induction loops / metal detectors
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FEATURES

ESD equipment	Thanks to its excellent discharge capability, the shoe is suitable for work in ESD sensitive or electrostatically protected areas (EPA). The shoes comply to the standard 61340-5-1. 
Sizes (unisex model)	<ul style="list-style-type: none"> Expanded size range: available in sizes 38 - 47
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> Certified for orthopaedic inserts 

FEATURES

Low weight	<ul style="list-style-type: none">• Use of a composite toe cap and a metal-free puncture protection• Comfortable
Padded upper edge	<ul style="list-style-type: none">• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
Padded tongue	<ul style="list-style-type: none">• Excellent wearing comfort: The tongue prevents pressure marks.
No metal or leather	<ul style="list-style-type: none">• Low weight• Suitable for work areas sensitive to metal• Does not trigger metal detectors• Use around induction loops is possible• Suitable for persons allergic to leather

UPPER MATERIAL

Microfibre	<ul style="list-style-type: none">• Synthetic material• Particularly soft• Retains its shape• Tear-resistant• Quick drying• Abrasion-resistant and light
Mesh material	<ul style="list-style-type: none">• Areas of application S1• Synthetic material• Retains its shape• Tear-resistant• Quick drying• Abrasion-resistant and light

LINING

Breathable fabric lining	<ul style="list-style-type: none">• Climate-regulating• Good ventilation• Skin-friendly• High absorption and emission of moisture
Heel pocket lining	<ul style="list-style-type: none">• The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.

TOE PROTECTION CAP

Composite toe cap



- Protection against impacts of min. 200 joules and pressure loading of min. 15 kN
- Permanent edge coverage for cushioning
- Ergonomically shaped
- Comfortable toe room
- Good coverage of the little toe area
- Low weight - weighs less than conventional steel caps
- 100% metal-free
- 100% anti-magnetic

INLAY SOLE

Full-length inlay sole
ESD PRO (rec)



- ESD EQUIPMENT: Protection against electrostatic discharge (ESD). The full-length, exchangeable inlay sole is conductive and designed for the use in ESD safety footwear according to the standards DIN EN ISO 20345 and DIN EN 61340-5-1.
- Inlay sole with recycled material content
- The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.
- The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate.
- The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort.
- Improvement of the shoe climate thanks to the PU foam's open cell structure. So the foot is always kept comfortably dry.

INSOLE

ESD soft-fleece insole

ESD equipment: Protection against electrostatic discharge (ESD), and without using additional means fulfilling a bridge function to the outsole.

- Approximately 50 % lighter than comparable soles made of natural materials
- Flexible and shape-retaining
- Good air permeability
- Excellent wear resistance
- High moisture absorption
- Quick drying (virtually overnight)

OUTSOLE

TRAINERS double-density sole with profile



- Contrasting colours for dynamic design
- Excellent slip resistance
- Antistatic

Outsole: TPU (thermoplastic polyurethane)

- Colour: red, with coloured inserts
- Profile depth: 3.5 mm
- Particularly abrasion-resistant
- Heat-resistant to approx. 130°C
- Flexible at cold temperatures to approx. -30°C
- Oil and fuel resistant

Midsole: PU (polyurethane)

- The soft PU core provides a good impact absorption and high wearing comfort