TECHNICAL DATA SHEET

MOTION Air ESD S1 No. 72170 — Sz. 38 - 47





LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345 S1	Basic requirement for S1: **A** Antistatic shoe - **E** Energy absorption in the heel - **FO** Fuel resistance - Closed heel area
Additional requirements	**SRC** Slip resistance: Slip resistant on floors of ceramic tiles with a sodium lauryl sulfate (SLS) solution and on steel floors with glycerol. When it comes to slip resistance as defined by EN ISO 20345, SRC signifies the best possible rating a safety shoe can reach.

FORM

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

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

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)	• Expanded size range: available in sizes 38 - 47

FEATURES	
Certification in accordance with DGUV rule 112-191	• Certified for orthopaedic modifications / inserts 
Low weight	• Use of a composite toe cap and a metal-free puncture protection • Comfortable
Padded upper edge	• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
Padded tongue	• Excellent wearing comfort: The tongue prevents pressure marks.
No metal or leather	• 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	• Synthetic material • Particularly soft • Retains its shape • Tear-resistant • Quick drying • Abrasion-resistant and light
Mesh material	• Areas of application S1 • Synthetic material • Retains its shape • Tear-resistant • Quick drying • Abrasion-resistant and light
LINING	
Breathable fabric lining	• Climate-regulating • Good ventilation • Skin-friendly • High absorption and emission of moisture
Heel pocket lining	• The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.

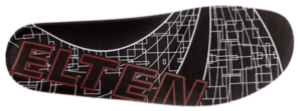
TOE PROTECTION CAP

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



- 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.
- 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