

TECHNICAL DATA SHEET

MATS ESD S2 Typ 2 No. 7215402


Sz. 40 - 48



LABELLING ACCORDING TO STANDARD

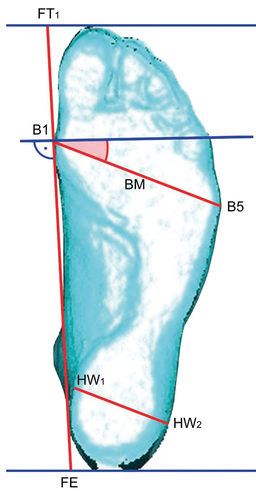
<p>Standard for safety footwear EN ISO 20345 S2</p>	<p>Basic requirement for S2: A Antistatic shoe - E Energy absorption in the heel - FO Fuel resistance - WRU Water penetration and water absorption resistant upper - Closed heel area</p>
<p>Additional requirements</p>	<p>SRC Slip resistance: Slip resistant 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.</p>

FORM

<p>Safety shoe</p> 	<p>Form A - in size 42, the upper height must not exceed 11.2 cm.</p>
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FIT

ERGO-ACTIVE foot-type system



ERGO-ACTIVE foot type system with three fit variants

The right shoe for everyone: Three different types of lasts do not only take into account length and width of the foot, but also toe length, heel width and angle of the ball of the foot.

Foot type 1:

- For larger feet
- Short toes
- Wide ball and heel area
- Steep ball angle



Foot type 2:

- For normal feet
- Long toes
- Medium-wide ball and heel area
- Flat ball angle



Foot type 3:

- For slim feet
- Medium-sized toes
- Narrow ball and heel area
- Medium ball angle



AREAS OF APPLICATION

Areas of application

Indoors and outdoors
 Areas where exposure to moisture is expected (S2)
 Areas where there is a risk of electrostatic discharge (ESDS/ESD)
 Work areas which require a lot of turning and standing
 As a substitute for shock absorbing mats

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.



Certification in accordance with DGUV rule 112-191

- Certified for orthopaedic modifications / inserts



Padded upper edge

- Excellent wearing comfort: the padded upper edge protects the Achilles tendon.

Full, padded bellows tongue

- Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.

Reflective material

- Good visibility in the dark



UPPER MATERIAL

Cowhide leather

- Areas of application S1/S2/S3
- Natural material
- Wear-resistant
- Breathable
- Water penetration/absorption in accordance with EN ISO 20345 S2

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

Steel 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

INLAY SOLE

Full-length inlay sole
ERGO-ACTIVE ESD



- 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.
- Full-length ERGO ACTIVE ESD inlay sole available in 9 variants with ESD equipment
- Available in 3 models/3 comfort classes (standard: medium)
- For the highest comfort thanks to various degrees of hardness and to various fits.
- 3 comfort classes– soft, medium, strong for individual well being
- The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate.
- 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

ERGO-ACTIVE double-density sole with profile

- S-line shaped configuration of the tread blocks, for an ergonomic foot roll
- Contrasting colours for dynamic design
- Excellent slip resistance
- Antistatic

Outsole: TPU (thermoplastic polyurethane)

- Colour: smoky grey, with coloured inserts
- Profile depth: 4.0 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

OUTSOLE



ERGONOMIC OUTSOLE ERGO-ACTIVE

01 FOUR PIVOT POINTS The solution! The pivot points in the sole decisively reduce frictional resistance during rotational movements.

02 BEVELLED TREAD BARS By bevelling the tread bars in the stopping or push-off direction, very good anti-slip properties take effect according to the ELTEN Safety-Grip concept.

03 S-LINE The configuration of the tread bars follows an S-line, which supports the physiological rolling of the foot.

04 FLEX GROOVES The S-line effect is reinforced by additional flex grooves. Bending during kneeling activities is also easier that way.

05 NEGATIVE PROFIL The sole is rounded off at the outer edges, and both ends exhibit a negative profile, which acts to prevent „sticking" – in particular with workplace-typical turning movements and when putting the foot down.