# TECHNICAL DATA SHEET

## SENSATION Low ESD S2 No. 72106 — Sz. 37 - 48







## LABELLING ACCORDING TO STANDARD

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|---|---|
| Standard for safety footwear EN ISO 20345 S2 | Basic requirement for S2:<br>**A** Antistatic shoe - **E** Energy absorption in the heel - **FO** Fuel resistance - **WRU** Water penetration and water absorption resistant upper - 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

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

## AREAS OF APPLICATION

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| Areas of application | Indoors and outdoors<br>Areas where exposure to moisture is expected (S2)<br>Areas where there is a risk of electrostatic discharge (ESDS/ESD) |

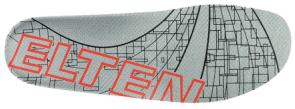
## FEATURES

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| 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 37 - 48 |
| Certification in accordance with DGUV rule 112-191 | • Certified for orthopaedic modifications / inserts |
| Low weight | • Thanks to a directly injected sole<br>• Comfortable |

| FEATURES | |
|---|---|
| Padded upper edge | • Excellent wearing comfort: the padded upper edge protects the Achilles tendon. |
| Padded tongue | • Excellent wearing comfort: The tongue prevents pressure marks. |
| **UPPER MATERIAL** | |
| Hydrophobized textile material with jeans look | • Areas of application S2/S3<br>• Synthetic material<br>• Shape-retaining<br>• Tear-resistant<br>• Dries quickly<br>• Wear-resistant and light<br>• Water penetration/absorption in accordance with EN ISO 20345 S2<br>• By hydrophobation, higher resistance against water penetration and water absorption |
| Hydrophobized nubuck leather | • Areas of application S2/S3<br>• Natural material<br>• Wear-resistant<br>• Breathable<br>• Water penetration/absorption in accordance with EN ISO 20345 S2<br>• By hydrophobation, higher resistance against water penetration and water absorption |
| Sustainably produced leather | • Manufactured in Germany according to high social and ecological standards |
| **LINING** | |
| Fabric lining BIOACTIVE | • Climate-regulating<br>• High breathability<br>• Skin-friendly<br>• High degree of moisture absorption and release |
| 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<br>• Permanent edge coverage for cushioning<br>• Ergonomically shaped<br>• Comfortable toe room<br>• Good coverage of the little toe area |

## 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

L10 extended wedge double-density sole





- Excellent slip resistance
- Antistatic

Outsole: TPU (thermoplastic polyurethane)

- Colour: translucent
- Profile depth: 2.5 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