# TECHNICAL DATA SHEET



## SID ESD S3
## 72131

**Sz. 38-47**

## LABELLING ACCORDING TO STANDARD

| | |
|---|---|
| In accordance with EN ISO 20345 S3 | |
| Form A  | ▪ Men's safety shoe, low cut |
| SRC SLIP RESISTANCE | SLIP RESISTANCE: When it comes to slip resistance as defined by EN ISO 20345, SRC signifies the best possible rating a safety shoe can reach. |

## FIT

ANATOMICAL

## AREAS OF APPLICATION

- Indoors and outdoors
- E.g. airports, airplane construction, automobile manufacturing
- No scratches from metal parts
- Close to induction loops / metal detectors
- Areas where exposure to moisture is expected (S2)
- Areas where there is a risk of penetration from pointed and sharp objects (S3)
- Areas where there is a risk of electrostatic discharge (ESDS/ESD)

## FEATURES

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| Design | ▪ Modern and sporty design |
| Padded tongue | ▪ Extremely comfortable<br>▪ Prevents pressure points |
| Padded upper edge | ▪ Extremely comfortable<br>▪ Protects the Achilles tendon |
| Heel loop | ▪ Allows shoe to be put on quickly<br>▪ Comfort-Plus |

## FEATURES

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| ESD - Equipment | ▪ Suitable when working in areas subject to electrostatic discharge and electrostatic protected areas (EPA)<br>▪ Excellent conductivity |
| Reflective material | ▪ Good visibility in the dark |
| Low weight | ▪ Use of a composite toe cap and a metal-free puncture protection<br>▪ Comfortable |
| No metal or leather<br>▪ Textile eyelets | ▪ Low weight<br>▪ Suitable for work areas sensitive to metal<br>▪ Does not trigger metal detectors<br>▪ Use around induction loops is possible |
| Certification in accordance with DGUV rule 112-191 | ▪ Certified for orthopaedic modifications / inserts |
| Hook-and-pile fastener | ▪ Can be opened and closed easily and quickly<br>▪ Individually adjustable for optimal adjustment to the foot<br>▪ Improves the comport and fit |
| Sizes (unisex model) | ▪ Expanded size range<br>Available in sizes 38-47 |
| Abrasion-resistant toe protection | ▪ Directly applied to the upper<br>▪ Excellent wear protection in the toe area<br>▪ Protects the upper in this critical area against premature wear |

## UPPER MATERIAL

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|---|---|
| Hydrophobized textile material | ▪ 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 microfibre | ▪ Areas of application S2/S3<br>▪ Synthetic material<br>▪ Particularly soft<br>▪ Retains its shape<br>▪ Tear-resistant<br>▪ Water penetration/absorption in accordance with EN ISO 20345 S2<br>▪ By hydrophobation, higher resistance against water penetration and water absorption<br>▪ Quick drying<br>▪ Abrasion-resistant and light |

## LINING

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| Fabric lining | ▪ Climate-regulating<br>▪ Good ventilation<br>▪ Skin-friendly<br>▪ High absorption and emission of moisture |
| Heel pocket lining | ▪ Abrasion-resistant microfibre material, sturdy<br>▪ Comfortable |

## TOE PROTECTION CAP

Composite toe cap

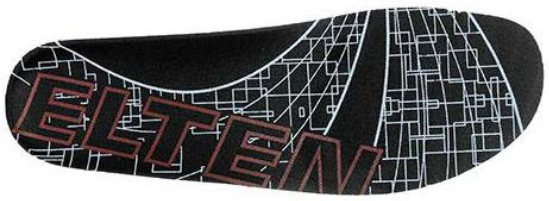


- Protection against impacts of min. 200 joules and pressure loading of min. 15 kN
- Permanent edge coverage for cushioning
- Ergonomically shaped
- Comfortable toe-room
- Good coverage of the little toe area
- Low weight
- 100% metal-free
- 100% anti-magnetic
- Weighs less than conventional steel caps

## INLAY SOLE

Full-length inlay sole ESD PRO

- The full-length, exchangeable inlay sole with ESD equipment provides the highest possible comfort in a safety shoe.




- ESD-EQUIPMENT: The ELTEN ESD inlay sole is conductive and fulfils the EN ISO 20345 and DIN EN 61340-4-3 standards for areas of electrostatic discharge.
- Protection against electrostatic discharge (ESD)
- OPTIMAL FOOT CLIMATE: High moisture absorption and release because of the PU foam's open cell structure. So the foot is always kept comfortably dry.
- SHOCK-ABSORBING AND COMFORTABLE: The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort.
- ODOUR NEUTRALISING: Activated coal reduces the development of unpleasant odours in the shoe.
- ANTIBACTERIAL: Activated coal prevents the development and spreading of fungi and other bacteria.
- BREATHABLE: Improvement of the shoe climate because of the PU foam's open cell structure.

## PENETRATION PROTECTION

Metal-free penetration protection

- Fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345
- Fulfils the penetration safety standard EN 12568
- Textile, penetration-resistant midsole
- Light and flexible: more comfort when working on the knees because of the shoe's greater elasticity
- Better foot-feel on uneven surfaces
- Good foot climate thanks to the thermo-insulating effect
- 100% foot coverage compared to 85% with steel midsoles
- 100% metal-free and antimagnetic

## OUTSOLE

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|---|---|---|
|  | TRAINERS double-density sole with profile | ▪ Antistatic<br>▪ Optimal slip resistance |
| | Outsole: TPU (thermoplastic polyurethane) | ▪ Colour: smoky grey<br>▪ Particularly abrasion-resistant<br>▪ Heat-resistant to approx. 130°C, flexible at cold temperatures to approx. -30°C<br>▪ Oil and fuel resistant |
| | Midsole: PU | ▪ The soft PU core provides a good impact absorption and high wearing comfort |