TECHNICAL DATA SHEET

MADDIE grey Low ESD O1 No. 949502 Sz. 36 - 42







LABELLING ACCORDING TO STANDARD

Standard for occupational shoes EN ISO 20347 O1	Basic requirement for O1: **A** Antistatic shoe - **E** Energy absorption in the heel - 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. **FO** FUEL RESISTANCE

FORM

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

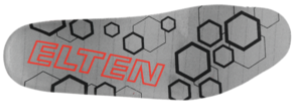
AREAS OF APPLICATION

Areas of application	Dry work areas Areas where there is no risk of falling heavy objects Areas where there is a risk of electrostatic discharge (ESDS/ESD) Workplaces on hard Undergrounds: The revolutionary Infinergy® sole core cushions impacts and provides for a rebound effect when the compressive impulse subsides - for more energy in every step.

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.

FEATURES	
Certification in accordance with DGUV rule 112-191	• Certified for orthopaedic inserts
Padded upper edge	• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
Padded tongue	• Excellent wearing comfort: The tongue prevents pressure marks.
Reflective material	• Good visibility in the dark
Heel loop	• Quicker into the shoe: The heel loop makes it easier to get inside the shoe
Sole core made of Infinergy® by BASF 	The sole core consists of expanded, thermoplastic polyurethane in the form of oval foam beads. These stick together and are very light and elastic. This revolutionary technology cushions the impact and bounces back extremely well on pressure, so that the energy can be returned to the wearer. Even under low temperatures of -20 °C, the core maintains its high elasticity.
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
Ergonomic Product IGR certification	The IGR quality seal (Interessengemeinschaft der Rückenschullehrer/-innen e.V. / Association of back specialists) confirms the highly praised features and practical functionality of the tested products. The IGR certification attests the degree of the product's customisability to the physical characteristics of the test person. In accordance with DIN 33419 / EN ISO 15537, the product's usability and ergonomics were tested. Products recommended by IGR e.V. bear the title "Ergonomic Product".
100% Vegan	Vegan manufacturing – Thanks to its leather-free features and the fact that no animal products of any kind are used, this shoe is suitable for people who live vegan.
UPPER MATERIAL	
Microfibre	• Synthetic material • Particularly soft • Retains its shape • Tear-resistant • Quick drying • Abrasion-resistant and light
Textile 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.
INLAY SOLE	
Full-length inlay sole SPORTIVE 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. • The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes. • Improvement of the shoe climate thanks to the PU foam's open cell structure. So the foot is always kept comfortably dry. • The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort.
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	
MAXXIMO extended wedge double-density sole  	• Excellent slip resistance • Antistatic
	Outsole: TPU (thermoplastic polyurethane) • Colour: lightgrey • 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) with a core made of Infinergy® by BASF • The soft PU core provides a good impact absorption and high wearing comfort • The core made of Infinergy® provides a very good cushioning with rebound effect