TECHNICAL DATA SHEET

IMPULSE EA blue Easy ESD S1 Typ 1 No. 7171501 Sz. 40 - 48







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

FIT

Ladies' fit	The shoe last is ideally tailored to the ergonomics of female feet.
Extrawide	More volume in the ball, heel and instep area makes this shoe particularly comfortable for people with wider feet.
XX-Wide	Particular wearing comfort for sturdy feet.

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	Dry work areas Industry, storage, transport, assembly etc. (S1) Areas where there is a risk of electrostatic discharge (ESDS/ESD)	
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	
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Padded upper edge	• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.	
Padded tongue	• Excellent wearing comfort: The tongue prevents pressure marks.	
Perforated upper	• The perforation supports an optimum air circulation inside the shoe and thus contributes to a pleasant wearing comfort.	

FEATURES	
Hook-and-pile fastener	• Can be opened and closed easily and quickly • Individually adjustable for optimal adaptation to the foot • Improves the comfort and fit
Leather-free equipment	• Suitable for persons allergic to leather
Winner Plus X Award	The independent jury for the Plus X Award, the Innovation Prize for Technology, Spot, and Lifestyle, grants a total of seven seals of approval to brands that offer products with a competitive edge in terms of quality and innovation. ELTEN has always seen itself as an innovative business at the cutting edge of technology.
UPPER MATERIAL	
Microfibre	• Synthetic material • Particularly soft • 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	
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	
Semi-orthopaedic inlay sole 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 sole's footbed is tailored to the fit of the shoe as well as to the natural, intact longitudinal arch of the foot. • The improved heel damping is kind to the entire musculoskeletal system – from foot to spinal column. • 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	
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: lightgrey, 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