TECHNICAL DATA SHEET

RAY XXFIT black-grey Mid ESD S1 Typ 2 No. 7651002 Sz. 36 - 50





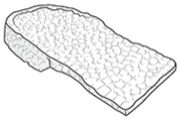
LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S1	Basic requirement for S1: **A** Antistatic shoe - **E** Energy absorption in the heel - Closed heel area
Additional requirements	**FO** FUEL RESISTANCE **SR** SLIP RESISTANCE on ceramic tile with glycerine. **LG** LADDER GRIP Heel edge of at least 10 mm

FORM

Safety laced boot 	Form B - in size 42, the upper height must be at least 11.3 cm.

FIT		
XXFit Fußtypensystem	XXFIT 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) 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.	
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.	
Padded tongue	• Excellent wearing comfort: The tongue prevents pressure marks.	

FEATURES	
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.
Leather-free equipment	• Suitable for persons allergic to leather
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	
WELLMAXX FIT double-density sole with profile  	• Excellent slip resistance • Antistatic
	Outsole: PU (polyurethane) • Colour: lightgrey • 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 • The core made of Infinergy® provides a very good cushioning with rebound effect