

TECHNICAL DATA SHEET

LAKERS XXT BTG Mid ESD S1PS No. 760611


Sz. 36 - 48



LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S1PS	Basic requirement for S1PS: A Antistatic shoe - E Energy absorption in the heel - P Steel midsole - S Textile penetration protection - Closed heel area - Basic Slip resistance test on ceramic tile + NaLS (soap solution)
Additional requirements	FO FUEL RESISTANCE SR SLIP RESISTANCE on ceramic tile with glycerine.


FORM


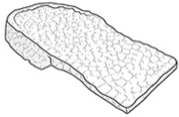


Safety laced boot 	Form B - in size 42, the upper height must be at least 11.3 cm.
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AREAS OF APPLICATION

Areas of application	Dry work areas Industry, storage, transport, assembly etc. Areas where there is a risk of penetration from pointed and sharp objects (S1P/S1PL/S1PS) 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.
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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. 
Sizes (unisex model)	<ul style="list-style-type: none"> Expanded size range: available in sizes 36 - 48

FEATURES	
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> • Certified for orthopaedic modifications / inserts 
Full, padded bellows tongue	<ul style="list-style-type: none"> • Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.
Sole core made of Infinergy® by BASF 	<p>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.</p> 
BETTERGUARDS	<p>The BETTERGUARDS foot protection is a technology that protects the ankle like a safety belt. The BG-Power, a patented mini-piston, is invisibly integrated into the side of the shoe upper. In normal, safe situations, the shoe provides maximum freedom of movement. When the foot twists outward, the damper activates and stabilizes the ankle joint within milliseconds. Once the critical movement is over, the BETTERGUARDS PROTECTION SYSTEM automatically releases and is immediately ready for use again.</p> 
Leather-free equipment	<ul style="list-style-type: none"> • Suitable for persons allergic to leather
UPPER MATERIAL	
Microfibre	<ul style="list-style-type: none"> • Synthetic material • Particularly soft • Retains its shape • Tear-resistant • Quick drying • Abrasion-resistant and light
Mesh material	<ul style="list-style-type: none"> • Areas of application S1 • Synthetic material • Retains its shape • Tear-resistant • Quick drying • Abrasion-resistant and light
LINING	
Breathable fabric lining	<ul style="list-style-type: none"> • Climate-regulating • Good ventilation • Skin-friendly • High absorption and emission of moisture
Heel pocket lining	<ul style="list-style-type: none"> • The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.

TOE PROTECTION CAP

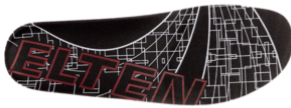
Composite toe cap



- 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 - weighs less than conventional steel caps
- 100% metal-free
- 100% anti-magnetic

INLAY SOLE

Full-length inlay sole
ESD PRO (rec)



- 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.
- Inlay sole with recycled material content
- 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.

PENETRATION RESISTANCE

Metal-free penetration
protection with recycled
material content

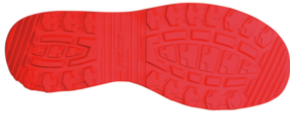
The textile midsole complies with the penetration safety standard EN 12568 and furthermore fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345. The light and flexible material enables an increased elasticity of the shoe, which can particularly be recognized when working on uneven grounds or on your knees.

The textile variant offers 100 % foot coverage compared to steel midsoles (foot coverage 85 % due to limits in the shoe manufacturing process). Being 100 % metal-free and antimagnetic, this equipment is used as penetration protection in safety shoes.

The metal-free midsole (penetration protection) is made from 20% recycled polyester.

OUTSOLE

WELLMAXX TRAINERS
double-density sole with
profile



- Excellent slip resistance
- Antistatic

Outsole: PU (polyurethane)

- Colour: red
- Profile depth: 4.0 mm
- Abrasion-resistant
- Heat-resistant to approx. 130°C
- Flexible at cold temperatures to approx. -20°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