TECHNICAL DATA SHEET



IMPULSE green Low ESD S1P

722551

Sz. 36-47

LABELLING ACCORDING TO STANDARD

In accordance with EN ISO 20345 S1P SRC	
Form A 	▪ 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

- Primarily dry work areas
- e.g. airports, airplane construction, automobile manufacturing
- No scratches from metal parts
- Around induction loops / metal detectors
- Areas where there is a risk of electrostatic discharge (EGB/ESD)
- Areas where there is a risk of penetration from pointed and sharp objects (S1P)

FEATURES

Design	▪ Modern and sporty design
Full, padded bellows tongue	▪ Extremely comfortable ▪ Prevents pressure points ▪ Prevents penetration of dirt
Padded upper edge	▪ Extremely comfortable ▪ Protects the Achilles tendon
Perforated upper	▪ Excellent air circulation ▪ Comfortable
ESD - Equipment ESD	▪ Suitable when working in areas subject to electrostatic discharge and electrostatic protected areas (EPA) ▪ Excellent conductivity

FEATURES

Certification in accordance with DGUV rule 112-191	▪ Certified for orthopaedic inserts
Reflective material	▪ Good visibility in the dark
Low weight	▪ Use of especially light textile materials ▪ Comfortable
No metal	▪ Low weight ▪ Suitable for work areas sensitive to metal ▪ Does not trigger metal detectors ▪ Use around induction loops is possible
Elastic lacing system	▪ For an individual adjustment to the foot ▪ With quick-locking system
Sizes (unisex model)	▪ Expanded size range Available in sizes 36-47
Abrasion-resistant toe protection	▪ Directly applied to the upper ▪ Excellent wear protection in the toe area ▪ Protects the upper in this critical area against premature wear
Biomex Dynamics© Technology 	When looking at joints, muscles and bones, the human foot follows certain movement patterns while walking. Our Biomex Dynamics outsole supports these and enables a dynamic forward movement inside the shoe, which is identical to the congenital walking movement. Guiding element: The decoupling guide elements parallel to the S-shaped rolling line support the torsion and therefore the rolling dynamic of the front and rear foot. The midsole is heightened on the inside and thus prevents pronation (walking on the inside of the foot). BIOMEX DYNAMICS

UPPER MATERIAL

Microfibre	▪ Areas of application S1 ▪ Synthetic material ▪ Particularly soft ▪ Retains its shape ▪ Tear-resistant ▪ Quick drying ▪ Abrasion-resistant and light

LINING

Fabric lining	▪ Climate-regulating ▪ Good ventilation ▪ Skin-friendly ▪ High absorption and emission of moisture
Heel pocket lining	▪ Abrasion-resistant microfibre material, sturdy ▪ 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
DIMENSION PRO ESD

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



- ESD-EQUIPMENT: The DIMENSION PRO 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

	BIOMEX DYNAMICS double-density sole with profile	▪ S-line shaped configuration of the tread blocks, for an ergonomic foot roll ▪ Contrasting colours for dynamic design ▪ Antistatic ▪ Optimal slip resistance
	Outsole: TPU = (thermoplastic polyurethane)	▪ Colour: light grey ▪ Particularly abrasion-resistant ▪ Heat-resistant to approx. 130°C, flexible at cold temperatures to approx. -30°C ▪ Oil and fuel resistant
	Midsole: PU	▪ Colour: dark grey ▪ The soft PU core provides a good impact absorption and high wearing comfort