

TECHNICAL DATA SHEET

REACTION blue Low ESD S3S No. 722851


Sz. 36 - 52



LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S3S	Basic requirement for S3S: A Antistatic shoe - E Energy absorption in the heel - WPA Water penetration and absorption - S Textile penetration protection - Closed heel area - Basic Slip resistance test on ceramic tile + NaLS (soap solution) - Profiled outsole
Additional requirements	FO FUEL RESISTANCE SR SLIP RESISTANCE on ceramic tile with glycerine. SC SCUFF CAP The overcap manages a certain amount of abrasion.

FORM

Safety shoe 	Form A - in size 42, the upper height must not exceed 11.2 cm.
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AREAS OF APPLICATION

Areas of application	Indoors and outdoors Areas where exposure to moisture is expected (S2) Areas where there is a risk of penetration from pointed and sharp objects (S3/S3L/S3S) Areas where there is a risk of electrostatic discharge (ESDS/ESD) Workplaces on hard and smooth industrial floors: Ergonomic pivot points and improved torsion provide for additional grip and flexibility.
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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.
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FEATURES	
Sizes (unisex model)	<ul style="list-style-type: none"> Expanded size range: available in sizes 36 - 52
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> Certified for orthopaedic modifications / inserts 
Padded upper edge	<ul style="list-style-type: none"> Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
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.
Reflective material	<ul style="list-style-type: none"> Good visibility in the dark 
Abrasion-resistant toe protection	<ul style="list-style-type: none"> Directly applied to the upper in the shoe tip area Excellent wear protection in the shoe tip area Protects the upper in this critical area against premature wear
Ergonomic Product IGR certification	<p>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".</p> 
UPPER MATERIAL	
Cowhide leather	<ul style="list-style-type: none"> Areas of application S1/S2/S3 Natural material Wear-resistant Breathable Water penetration/absorption in accordance with EN ISO 20345 S2
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	
Steel toe cap 	<ul style="list-style-type: none"> 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.

PENETRATION RESISTANCE

Metal-free penetration protection

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.

OUTSOLE

DIMENSION PRO double-density sole with profile



- Contrasting colours for dynamic design
- Excellent slip resistance
- Antistatic

Outsole: TPU (thermoplastic polyurethane)

- Colour: blue, with coloured inserts
- Profile depth: 3.0 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
- Extra-thick midsole for improved cushioning