TECHNICAL DATA SHEET

ALEX S3 No. 16521 — Sz. 36 - 48





LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345 S3	Basic requirement for S3: **A** Antistatic shoe - **E** Energy absorption in the heel - **FO** Fuel resistance - **WRU** Water penetration and water absorption resistant upper - **P** Penetration resistance - Closed heel area - Profiled outsole
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 laced boot 	Form B - in size 42, the upper height must be at least 11.3 cm.

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)

FEATURES

Sizes (unisex model)	• Expanded size range: available in sizes 36 - 48
Certification in accordance with DGUV rule 112-191	• Certified for orthopaedic inserts
Full, padded bellows tongue	• Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.

FEATURES	
Collar padding	• Excellent wearing comfort: the ankle-wrapping, softly padded upper edge provides for stability and grip in the shoe.
PU toe protection (polyurethane)	• Directly applied tip protection • Excellent wear protection in the shoe tip area • Protects the upper material in this area against premature wear
UPPER MATERIAL	
Cowhide leather	• Areas of application S1/S2/S3 • Natural material • Wear-resistant • Breathable • Water penetration/absorption in accordance with EN ISO 20345 S2
Textile material Cordura® (hydrophobized) CORDURA	• Areas of application S2/S3 • Synthetic material • Particularly resistant to wear and tear • Retains its shape • Tear-resistant • Dries quickly • Abrasion-resistant and light • Water penetration and absorption in accordance with EN ISO 20345 S2; an improved resistance against water penetration is achieved by a special hydrophobation of the material
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	
Full-length inlay sole JORI 	• 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. • Antistatic

INSOLE	
Antistatic soft-fleece insole	Antistatic, even if 100 % dry, 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)
PENETRATION RESISTANCE	
Steel midsole	Best possible protection from below: The corrosion-resistant midsole made of stainless steel complies with the penetration safety standard EN 12568 and furthermore fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345. Particularly recommendable when working in areas where there is an increased risk of injuries due to pointed or sharp objects, such as in the construction industry.
OUTSOLE	
NEW BASIC double-density sole with profile  	• Excellent slip resistance • Antistatic
	Outsole: PU (polyurethane) • Colour: lightgrey • Profile depth: 3.5 mm • Abrasion-resistant • Heat-resistant to approx. 130°C • Flexible at cold temperatures to approx. -20°C • Oil and fuel resistant
	Midsole: PU (polyurethane) • The soft PU core provides a good impact absorption and high wearing comfort