

# TECHNICAL DATA SHEET

**ALESSIO Steel XW Low ESD S3 No. 727661**


**Sz. 36 - 50**



## LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345 S3	Basic requirement for S3: <b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel - <b>FO</b> Fuel resistance - <b>WRU</b> Water penetration and water absorption resistant upper - <b>P</b> Penetration resistance - Closed heel area - Profiled outsole
Additional requirements	<b>SRC</b> 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 shoe 	Form A - in size 42, the upper height must not exceed 11.2 cm.
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## FIT

Extrawide	More volume in the ball, heel and instep area makes this shoe particularly comfortable for people with wider feet.
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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) Areas where there is a risk of electrostatic discharge (ESDS/ESD)
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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"> <li>Expanded size range: available in sizes 36 - 50</li> </ul>

## FEATURES

Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> <li>• Certified for orthopaedic inserts</li> </ul> 
Three widths	The comfortable three-widths-system offers more volume to forefoot, instep and toes - thus giving every foot the space it needs.
Padded upper edge	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.</li> </ul>
Full, padded bellows tongue	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.</li> </ul>
Reflective material	<ul style="list-style-type: none"> <li>• Good visibility in the dark</li> </ul> 
PU toe protection (polyurethane)	<ul style="list-style-type: none"> <li>• Directly applied tip protection</li> <li>• Excellent wear protection in the shoe tip area</li> <li>• Protects the upper material in this area against premature wear</li> </ul>


## UPPER MATERIAL

Cowhide leather	<ul style="list-style-type: none"> <li>• Areas of application S1/S2/S3</li> <li>• Natural material</li> <li>• Wear-resistant</li> <li>• Breathable</li> <li>• Water penetration/absorption in accordance with EN ISO 20345 S2</li> </ul>
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## LINING

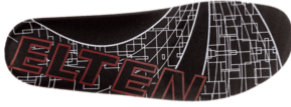
Breathable fabric lining	<ul style="list-style-type: none"> <li>• Climate-regulating</li> <li>• Good ventilation</li> <li>• Skin-friendly</li> <li>• High absorption and emission of moisture</li> </ul>
Heel pocket lining	<ul style="list-style-type: none"> <li>• The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.</li> </ul>

## TOE PROTECTION CAP

<p>Steel toe cap</p> 	<ul style="list-style-type: none"> <li>• Protection against impacts of min. 200 joules and pressure loading of min. 15 kN</li> <li>• Permanent edge coverage for cushioning</li> <li>• Ergonomically shaped</li> <li>• Comfortable toe room</li> <li>• Good coverage of the little toe area</li> </ul>
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## INLAY SOLE

Full-length inlay sole  
ESD PRO



- 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 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.

## 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)

## 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

SAFETY-GRIP deep-treaded double-density sole with profile



- S-line shaped configuration of the tread blocks, for an ergonomic foot roll
- Excellent slip resistance
- Antistatic

Outsole: PU (polyurethane)

- Colour: blue
- Profile depth: 6.0 mm
- Particularly 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