

TECHNICAL DATA SHEET

LUIS S3 HI No. 8771

Sz. 38 - 50



LABELLING ACCORDING TO STANDARD

Standard for footwear protecting against thermal risks and splashes of molten metal
EN ISO 20349-1 S3
(supplement to EN ISO 20345)

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.

Al RESISTANT TO MOLTEN ALUMINIUM

Fe RESISTANT TO MOLTEN IRON

HI HEAT INSULATED

HRO HEAT RESISTANT OUTSOLE

Heat resistance against contact heat, also during short-term high temperatures

FORM

Safety boot




Form C - in size 42, the upper height must be at least 17.8 cm.

AREAS OF APPLICATION

Areas of application	<p>Indoors and outdoors</p> <p>Areas where exposure to moisture is expected (S2)</p> <p>Areas where there is a risk of penetration from pointed and sharp objects (S3/S3L/S3S)</p> <p>Hot zones where high demands are placed on the sole for heat resistance E.g. foundries, welding works etc.</p> <p>Areas where there is a risk of molten iron splashes</p> <p>Areas where there is a risk of molten aluminium splashes</p>
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FEATURES

Sizes (unisex model)	<ul style="list-style-type: none"> Expanded size range: available in sizes 38 - 50
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> Certified for orthopaedic 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.
Collar padding	<ul style="list-style-type: none"> Excellent wearing comfort: the ankle-wrapping, softly padded upper edge provides for stability and grip in the shoe.
Protective collar	<ul style="list-style-type: none"> Additional protection against heat / flying sparks
Seams made of heat-resistant thread	<ul style="list-style-type: none"> Best possible protection against flames, heat and chemicals. Cleaning does not affect the heat resistance.
PU toe protection (polyurethane)	<ul style="list-style-type: none"> 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 - fire-resistant	<ul style="list-style-type: none"> Areas of application S2/S3 Natural material Wear-resistant Breathable Water penetration/absorption in accordance with EN ISO 20345 S2
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LINING

Leather lining	<ul style="list-style-type: none"> High tear resistance Breathable Natural material
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



- 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 aluminium-coated



- Needled with aluminium foil for an improved heat preservation
- 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

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: Rubber

- Colour: black
- Profile depth: 6.0 mm
- Particularly abrasion-resistant
- Heat-resistant to approx. 200°C, for short periods to 300°C
- Flexible at cold temperatures to approx. -20°C
- Oil and fuel resistant
- Resistant to a large number of chemicals (acids and alkalis)
- Notch-resistant

Midsole: PU (polyurethane)

- The soft PU core provides a good impact absorption and high wearing comfort