

# TECHNICAL DATA SHEET

**LUTZ S3 HI No. 60561**


**Sz. 38 - 50**



## LABELLING ACCORDING TO STANDARD




|  |   |
|--|---|
| <p>Standard for safety footwear<br/>EN ISO 20345:2022 S3</p> | <p>Basic requirement for S3:<br/> <b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel - <b>FO</b> Fuel resistance -<br/> <b>WPA</b> Water penetration and absorption -<br/> <b>P</b> Penetration resistance - Closed heel area - Profiled outsole</p>   |
| <p>Additional requirements</p>                               | <p><b>FO FUEL RESISTANCE</b></p> <p><b>SR SLIP RESISTANCE</b> on ceramic tile with glycerine.</p> <p><b>SC SCUFF CAP</b><br/>The overcap manages a certain amount of abrasion.</p> <p><b>LG LADDER GRIP</b><br/>Heel edge of at least 10 mm</p> <p><b>HI HEAT INSULATED</b></p> <p><b>HRO HEAT RESISTANT OUTSOLE</b><br/>Heat resistance against contact heat, also during short-term high temperatures</p> |

## FORM

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| <p>Safety laced boot</p>  | <p>Form B - in size 42, the upper height must be at least 11.3 cm.</p> |
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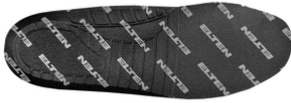
## AREAS OF APPLICATION

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

| <b>FEATURES</b>  |  |
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| Sizes (unisex model)   | <ul style="list-style-type: none"> <li>Expanded size range: available in sizes 38 - 50</li> </ul>  |
| Certification in accordance with DGUV rule 112-191   | <ul style="list-style-type: none"> <li>Certified for orthopaedic inserts</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>   |
| Collar padding   | <ul style="list-style-type: none"> <li>Excellent wearing comfort: the ankle-wrapping, softly padded upper edge provides for stability and grip in the shoe.</li> </ul>   |
| Reflective material  | <ul style="list-style-type: none"> <li>Good visibility in the dark</li> </ul>   |
| Seams made of heat-resistant Nomex® thread   | <ul style="list-style-type: none"> <li>Best possible protection against flames, heat and chemicals. Cleaning does not affect the heat resistance.</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>   |
| <b>UPPER MATERIAL</b>  |  |
| 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>   |
| Nubuck leather   | <ul style="list-style-type: none"> <li>Natural material</li> <li>Wear-resistant</li> </ul>   |
| <b>LINING</b>  |  |
| 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>   |
| <b>TOE PROTECTION CAP</b>  |  |
| Steel toe cap<br> | <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> |

## INLAY SOLE

Full-length inlay sole  
BASIC



- 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