

# TECHNICAL DATA SHEET

jo\_SWIFT black Low ESD S1PS No. 12051


Sz. 36 - 48



## LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S1PS	Basic requirement for S1PS: <b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel - <b>P</b> Steel midsole - <b>S</b> Textile penetration protection - Closed heel area - Basic Slip resistance test on ceramic tile + NaLS (soap solution)
Additional requirements	<b>FO FUEL RESISTANCE</b>  <b>SR SLIP RESISTANCE</b> on ceramic tile with glycerine.  <b>HRO HEAT RESISTANT OUTSOLE</b> Heat resistance against contact heat, also during short-term high temperatures


## 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	Dry work areas Industry, storage, transport, assembly etc. Areas where there is a risk of penetration from pointed and sharp objects (S1P/S1PL/S1PS)  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 - 48</li> </ul>

## FEATURES

Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> <li>• Certified for orthopaedic inserts</li> </ul> 
Padded upper edge	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.</li> </ul>
Padded tongue	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: The tongue prevents pressure marks.</li> </ul>
Heel loop	<ul style="list-style-type: none"> <li>• Quicker into the shoe: The heel loop makes it easier to get inside the shoe</li> </ul>
No metal or leather	<ul style="list-style-type: none"> <li>• Low weight</li> <li>• Suitable for work areas sensitive to metal</li> <li>• Does not trigger metal detectors</li> <li>• Use around induction loops is possible</li> <li>• Suitable for persons allergic to leather</li> </ul>


## UPPER MATERIAL

Textile material	<ul style="list-style-type: none"> <li>• Areas of application S1</li> <li>• Synthetic material</li> <li>• Retains its shape</li> <li>• Tear-resistant</li> <li>• Quick drying</li> <li>• Abrasion resistant and light</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>Composite 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> <li>• Low weight - weighs less than conventional steel caps</li> <li>• 100% metal-free</li> <li>• 100% anti-magnetic</li> </ul>
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## INLAY SOLE

Full-length inlay sole  
JORI 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 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.

## 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

jo\_ATHLETIC double-density sole with profile



- Antistatic
- Excellent slip resistance

Outsole: Rubber

- Colour: black
- Profile depth: 3.0 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