# TECHNICAL DATA SHEET

## jo_CLEAN Strap white Low ESD S3 No. 12681 Sz. 36 - 48







## LABELLING ACCORDING TO STANDARD

| | |
|---|---|
| Standard for safety footwear EN ISO 20345 S3 | Basic requirement for S3:<br>**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 shoe  | Form A - in size 42, the upper height must not exceed 11.2 cm. |

## AREAS OF APPLICATION

| | |
|---|---|
| Areas of application | 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>Areas where there is a risk of electrostatic discharge (ESDS/ESD) |

## 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) | • Expanded size range: available in sizes 36 - 48 |
| Certification in accordance with DGUV rule 112-191 | • Certified for orthopaedic inserts |

| FEATURES | |
|---|---|
| Padded upper edge | • Excellent wearing comfort: the padded upper edge protects the Achilles tendon. |
| Full, padded bellows tongue | • Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe. |
| Hook-and-pile fastener | • Can be opened and closed easily and quickly<br>• Individually adjustable for optimal adaptation to the foot<br>• Improves the comfort and fit |
| No metal or leather | • Low weight<br>• Suitable for work areas sensitive to metal<br>• Does not trigger metal detectors<br>• Use around induction loops is possible<br>• Suitable for persons allergic to leather |
| **UPPER MATERIAL** | |
| Hydrophobized microfibre | • Areas of application S2/S3<br>• Synthetic material<br>• Particularly soft<br>• Retains its shape<br>• Tear-resistant<br>• Dries quickly<br>• Abrasion-resistant and light<br>• 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<br>• Good ventilation<br>• Skin-friendly<br>• 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** | |
| Composite toe cap  | • Protection against impacts of min. 200 joules and pressure loading of min. 15 kN<br>• Permanent edge coverage for cushioning<br>• Ergonomically shaped<br>• Comfortable toe room<br>• Good coverage of the little toe area<br>• Low weight - weighs less than conventional steel caps<br>• 100% metal-free<br>• 100% anti-magnetic |

## 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.<br>• The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.<br>• 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.<br><br>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_MONO mono-density sole with profile  | • Excellent slip resistance<br>• Antistatic |
| | Outsole: PU (polyurethane)<br><br>• Colour: white<br>• Profile depth: 4.0 mm<br>• Abrasion-resistant<br>• Heat-resistant to approx. 130°C<br>• Flexible at cold temperatures to approx. -20°C<br>• Oil and fuel resistant |