

# TECHNICAL DATA SHEET

**ACHIM S2 No. 16320**

**Sz. 36 - 48**



## LABELLING ACCORDING TO STANDARD

|                                                 |                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard for safety footwear<br>EN ISO 20345 S2 | Basic requirement for S2:<br><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 - Closed heel area                                                                 |
| 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 laced boot<br> | Form B - in size 42, the upper height must be at least 11.3 cm. |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|

## AREAS OF APPLICATION

|                      |                                                                           |
|----------------------|---------------------------------------------------------------------------|
| Areas of application | Indoors and outdoors<br>Areas where exposure to moisture is expected (S2) |
|----------------------|---------------------------------------------------------------------------|

## FEATURES

|                                                    |                                                                                                                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sizes (unisex model)                               | <ul style="list-style-type: none"> <li>Expanded size range: available in sizes 36 - 48</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>    |

| FEATURES                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                                                                                                                                                                                                  |
| 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                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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<br>JORI<br> | <ul style="list-style-type: none"> <li>• The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.</li> <li>• The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate.</li> <li>• Antistatic</li> </ul>                                                                                                                                       |
| INSOLE                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Antistatic soft-fleece insole                                                                                         | Antistatic, even if 100 % dry, without using additional means fulfilling a bridge function to the outsole. <ul style="list-style-type: none"> <li>• Approximately 50 % lighter than comparable soles made of natural materials</li> <li>• Flexible and shape-retaining</li> <li>• Good air permeability</li> <li>• Excellent wear resistance</li> <li>• High moisture absorption</li> <li>• Quick drying (virtually overnight)</li> </ul> |

## OUTSOLE

NEW BASIC double-density sole with profile



- Excellent slip resistance
- Antistatic

Outsole: PU (polyurethane)

- Colour: lightgrey
- Profile depth: 3.5 mm
- 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