

TECHNICAL DATA SHEET

CARL II S3 HI No. 64471

Sz. 36 - 48



LABELLING ACCORDING TO STANDARD

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

FORM

Safety boot 	Form B - in size 42, the upper height must be at least 11.3 cm.
---------------------	---

AREAS OF APPLICATION

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

FEATURES

Sizes (unisex model)	Expanded size range: available in sizes 36 - 48
Certification in accordance with DGUV rule 112-191	Certified for orthopaedic modifications / inserts 
Bellows tongue	Excellent wearing comfort: The tongue avoids dirt from entering into the shoe.
Collar padding	Excellent wearing comfort: the ankle-wrapping, softly padded upper edge provides for stability and grip in the shoe.
Buckle	Allows straps to be set individually
Strong rivet in the area of the well-worn leather upper	The reinforcement rivet reduces the strain on the seams and provides for an extended durability of the uppers.
Padded protective collar	Additional protection: The collar prevents dirt and other foreign objects from entering into the shoe.
Seams made of heat-resistant thread	Best possible protection against flames, heat and chemicals. Cleaning does not affect the heat resistance.
Quick release fastener	- Allows shoes to be removed with one hand in the case of danger - The tongue can be adjusted by means of a buckle
PU toe protection (polyurethane)	- 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	- Areas of application S1/S2/S3 - Natural material - Wear-resistant - Breathable - Water penetration/absorption in accordance with EN ISO 20345 S2
-----------------	--

LINING

Leather lining	- High tear resistance - Breathable - Natural material
Heel pocket lining	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
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