

TECHNICAL DATA SHEET

CARLO S3 HI No. 64491

Sz. 38 - 50



LABELLING ACCORDING TO STANDARD

Standard for footwear providing protection against hazards from welding and related processes
EN ISO 20349-2 S3
(supplement to EN ISO 20345)

Basic requirement for S3:
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.

HI HEAT INSULATED

HRO HEAT RESISTANT OUTSOLE

Heat resistance against contact heat, also during short-term high temperatures

WG WELDING

Resistance to splashes of molten metal

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) Areas where there is a risk of molten metal splashes
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FEATURES

Sizes (unisex model)	<ul style="list-style-type: none">Expanded size range: available in sizes 38 - 50
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none">Certified for orthopaedic inserts 
Padded upper edge	<ul style="list-style-type: none">Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
Padded tongue	<ul style="list-style-type: none">Excellent wearing comfort: The tongue prevents pressure marks.
Padded protective collar	<ul style="list-style-type: none">Additional protection: The collar prevents dirt and other foreign objects from entering into the shoe.
Seams made of heat-resistant thread	<ul style="list-style-type: none">Best possible protection against flames, heat and chemicals. Cleaning does not affect the heat resistance.
Quick release fastener	<ul style="list-style-type: none">Allows shoes to be removed with one hand in the case of dangerThe tongue can be adjusted by means of a buckle
PU toe protection (polyurethane)	<ul style="list-style-type: none">Directly applied tip protectionExcellent wear protection in the shoe tip areaProtects the upper material in this area against premature wear

UPPER MATERIAL

Cowhide leather	<ul style="list-style-type: none">Areas of application S1/S2/S3Natural materialWear-resistantBreathableWater penetration/absorption in accordance with EN ISO 20345 S2
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LINING

Leather lining	<ul style="list-style-type: none">High tear resistanceBreathableNatural material
Heel pocket lining	<ul style="list-style-type: none">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 aluminium-coated



- Needled with aluminium foil for an improved heat preservation
- 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