USER INFORMATION

Congratulations on your purchase of this quality footwear! The footwear incorporates the very best of natural and synthetic materials. Prior to use, this footwear should be stored in its original packaging in a cool, dry, and clean environment.

Suitable footwear shall be selected based on a risk analysis. It is important to ensure that the footwear selected is suitable for the work-environment and the protection required.

In use, the footwear should be regularly cleaned using a damp cloth to remove dirt or contaminants on the upper and sole. No sharp objects must be used for cleaning. The life of the footwear will be greatly extended by regular maintenance using a proprietary brand of a wax or silicone-based product, paying particular attention to the stitching areas. Safety and Occupational footwear shall not be washed in a washing-machine as this can destroy relevant safety-properties.

If this footwear is subjected to wet conditions, it should always be allowed to dry naturally in an open, cool, well-ventilated environment. It must not be subjected to direct or radiant heat. To alternate between two pairs of shoes is recommended, as this gives the footwear enough time to dry.

Only first-class material is used in the leather products and this high oil-content, premium-grade leathers can sometimes develop a natural white surface haze known as “blooming”. This blooming, which is more noticeable on darker leather can easily be wiped off with a damp cloth and is in no way detrimental to the product.

Before using the footwear, always check for external damage, e.g., that the closing system works, destroyed upper material, adequate outer sole, etc. Safety shoes should be replaced in the event of damage or heavy wear and tear, i.e., cracks in the upper or outer sole, separation of the uppers and the sole, separation of the footwear’s upper material or destruction in the toecap region.

The footwear is CE-tested by an accredited laboratory and certified by a notified body. For details, see the bottom of this User Information. The CE mark on the footwear denotes that they are manufactured in accordance with EU Regulation 2016/425. The regulation deals with personal protective equipment (PPE) in areas such as safety, comfort, and durability.

Declaration of conformity for each certified footwear can be found in the product section at www.ironsteel.no and www.ironsteelscandinavia.com

Below are the categories of the CE marking on Safety and Occupational Footwear. One of the two mentioned categories will be shown on your footwear. Please refer to the marking that appears on the footwear:

- **EN ISO 20345:2022 - Safety Footwear Requirements**
- **EN ISO 20347:2022 - Occupational Footwear Requirements**

The **“EN ISO 20345:2022 SB”** mark on the footwear guarantees:

- In terms of comfort and wear resistance, a level of quality as defined by an agreed European Standard
- The presence of a safety toecap providing protection against impact injury to the toes caused by falling objects, the toes being trapped under a heavy object, etc.
- Level of protection: 200 Joules / 15 kN

The **"EN ISO 20345:2022 S1"** mark on the footwear guarantees:

- As above SB standard, plus closed heel area
- Antistatic properties
- Energy absorption of seat region

The **"EN ISO 20345:2022 S1P"** mark on the footwear guarantees:

- As above S1 standard, plus perforation resistance

The **"EN ISO 20345:2022 S2*"** mark on the footwear guarantees:

- As above S1 standard, plus water-penetration and absorption resistance

The **"EN ISO 20345:2022 S3*"** mark on the footwear guarantees:

- As above S2 standard, plus perforation resistance
- Cleated outsole

The **"EN ISO 20345 2022 S7L"** mark on the footwear guarantees:

- As above S3 standard, plus a non-metallic perforation resistant insert with resistance to 4.5 mm nails
- Water resistant on whole footwear

The **"EN ISO 20347:2022 OB"** mark on the footwear guarantees:

- In terms of comfort and wear resistance, a level of quality as defined by an agreed European Standard

The **"EN ISO 20347:2022 O1"** mark on the footwear guarantees:

- As above OB standard, plus closed heel area
- Antistatic properties
- Energy absorption of seat region

The **"EN ISO 20347:2022 O1P"** mark on the footwear guarantees:

- As above O1 standard, plus perforation resistance

The **"EN ISO 20347:2022 O2*"** mark on the footwear guarantees:

- As above O1 standard, plus water-penetration and absorption resistance

The **"EN ISO 20347:2022 O3*"** mark on the footwear guarantees:

- As above O2 standard, plus perforation resistance
- Cleated outsole

Class 1: Footwear made of leather or other materials, except for all-rubber or all-polyester footwear.
Class 2: All-rubber footwear (vulcanized footwear) or all-polymer footwear (moulded as a whole).

Other marking-symbols:

- Perforation resistance metallic insert (P)
- Perforation resistance non-metallic insert (PL/PS)
- Slip resistance (SR)
- Antistatic footwear (A)
- Partially conductive footwear (C)
- Energy absorption of seat region (E)
- Fuel oil resistance (FO)
- Outsole resistant to hot contact max 300^{O}C for 1 min. (HRO)
- Heat insulation of sole complex up to max. 150^{O}C for 30 min. (HI)
- Cold insulation up to max. -17^{O}C for 30 min. (CI)
- Water penetration and absorption of the upper (WPA*)
- Water resistance (WR)
- Metatarsal protection (M)
- Ancle protection (AN)
- Scuff cap abrasion (SC)
- Cut resistance (CR)
- Ladder Grip (LG)

*) The water penetration and absorption resistance properties mentioned in the listing above (WPA, S2, S3, O2, O3) only concerns the upper materials and do not guarantee the overall waterproofness of the footwear.

This logo means the footwear meets the requirements of an ESD standard. If the marking indicates: Class 3 – Dissipative", the ESD standard used is EN 61340-4-3:2001. Otherwise, the ESD standard used is EN 61340-5-1:2016.

The production period is included on the CE mark in the footwear. The figures «MM / YY» represent the month and year the footwear was produced.

The factory symbol represents the production and is shown together with the responsible unit.

If the footwear is supplied with a removable insock, testing was carried out with this included. The footwear shall only be used with the insock in place and the insock shall only be replaced by a comparable insock supplied by the original footwear manufacturer.

Certified footwear according to above mentioned norms, shall not be modified. Orthopaedic adaptations are applicable according to annex A of the defined ISO standard.

Perforation resistance: If the footwear includes perforation resistance, the footwear has been measured in the laboratory using a standardized size of a truncated nail and defined force. Higher forces or nails of smaller diameter will increase the risk of penetration. In such circumstances, alternative preventative measures should be considered.

Three generic types of perforation resistant inserts are currently available in PPE footwear. These are metal types and those from non-metal materials, which shall be chosen on basis of a job-related risk assessment. All types give protection against perforation risks, but each has difference additional advantages or disadvantages including the following:

Metal (e.g., S1P, S3): Is less affected by the shape of the sharp object / hazard (i.e., diameter, geometry, sharpness) but due to shoemaking limitations does not cover the entire lower area of the footwear.

Non-metal (PS or PL or category e.g., S1PS, S3L): May be lighter, more flexible and provide greater coverage area when compared with metal but the perforation resistance may vary depending on the shape of the sharp object / hazard (i.e., diameter, geometry, sharpness). Two types in terms of offered protection, are available:

- PL means the footwear was tested for general risks with a nail with 4.5mm in diameter.
- PS means the footwear was tested for general risks with a nail with 3mm in diameter.

Footwear cannot have more than one marking, either P, PL or PS. For information on the type of penetration insert that may be included in the footwear, check the labelling of the footwear, or contact the manufacturer or supplier.

Slip resistance is an important feature of safety footwear. It is considered mandatory and will therefore not carry a mark. There is an option for an additional slip test to be carried out, which will be marked with an SR symbol. The slip resistance test is carried out on a ceramic tile using different lubricants. The heel and forepart of the boot will be tested.

Marking	**Basic Requirement**		**Additional Requirement SR**	
Surface	Ceramic		Ceramic	
Lubricant	NaLS		Glycerine	
Position	Heel	Forepart	Heel	Forepart
Direction	Forward	Backward	Forward	Backward
Requirement COF	≥ 0,31	≥ 0,36	≥ 0,19	≥ 0,22

COF = coefficient of friction

Please note that even if the footwear is marked with SR, the user must always pay attention to the condition on the ground as the responsibilities always stays with the user.

Antistatic footwear
Antistatic footwear should be used if it is necessary to minimize electrostatic build-up by dissipating electrostatic charges, thus avoiding the risk of spark ignition of for example flammable substances and vapours, and if the risk of electric shock from mains voltage equipment cannot be completely eliminated from the workplace. Antistatic footwear introduces a resistance between the foot and ground but may not offer complete protection. It is recommended to use an antistatic sock.

Antistatic footwear is not suitable for work on live electrical installations. It should be noted, however, that antistatic footwear cannot guarantee adequate protection against electric shock from a static discharge as it only introduces a resistance between foot and floor. If the risk of static discharge electric shock, has not been completely eliminated, additional measures to avoid this risk are essential. Such measures, as well as the additional tests mentioned below, should be a routine part of the accident prevention program at the workplace.

Antistatic footwear will not provide protection against electric shock from AC or DC voltages. If the risk of being exposed to any AC or DC voltage exists, then electrical insulation footwear shall be used to protect from serious injury.

The electrical resistance of antistatic footwear can be changed significantly by flexing, contamination, or moisture. This footwear might not perform its intended function if worn in wet conditions.

Class 1 footwear can absorb moisture and can become conductive if worn for prolonged periods in moist and wet conditions. Class 2 footwear is resistant to moist and wet conditions and should be used if the risk of exposure exists.

If the footwear is worn in conditions where the soling material becomes contaminated, wearers should always check the antistatic properties of the footwear before entering a hazard area.

Where antistatic footwear is in use, the resistance of the flooring should be such that it does not invalidate the protection provided by the footwear.

It is, therefore, necessary to ensure, that the combination of the footwear, its wearers and their environment is capable, to fulfil the designed function of dissipating electrostatic charges, and of giving some protection during its entire life. Thus, it is recommended, that the user establish an in-house test for electrical resistance, which is carried out at regular and frequent intervals.

General notes:
The footwear will work well and have a long service life provided it is used, stored, and maintained as recommended. The period of obsolescence is 2 years after manufacturing. Damaged footwear should be replaced immediately as the level of protection may be reduced.

Users must ensure that the footwear has the right specifications in relation to the risk to which they are exposed. However, under certain conditions, users should be aware that the footwear does not provide adequate protection and further measures to protect users should always be considered.

This footwear has been type-approved according to module B by:
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Notified body no. 0075

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