



LEGEND Line

ULTRALIGHT SAFETY FOOTWEAR WITH SOCK UPPER,
IN BREATHABLE MICRO-PERFORATED 3D FABRIC
WITH HF PROCESSING AND WATER-REPELLENT
FILM COATING, MICRO-INJECTED REINFORCEMENTS
AND **GENUINE CARBON FIBRE TOE CAP.**
IDEAL FOR BOTH INDOOR AND OUTDOOR USE.



CE EN ISO 20345:2011

 **MONDOPOINT**
10,5

CERTIFICATIONS AND CE STANDARDS

GUIDE TO EN ISO 20345:2011 STANDARDS

Footwear for professional use in accordance with EN ISO 20345:2011 are marked with an "S" (Safety) as Safety Footwear. The so-called "basic" shoe is marked with the letters "SB" (S = Safety - "B" = Basic). This footwear must have the following minimum requirements:

- height of the upper ■ toe cap (minimum length, minimum supporting base) ■ upper in fresh split leather, microfibre and similar ■ front lining ■ insole ■ sole in any type of material, can be smooth
- the upper, in the low footwear, can be opened in the heel area.

In "SB" footwear, the following requirements are never included unless specified in detail:

- antistatic ■ energy absorption of the heel ■ dynamic waterproofing of the upper ■ sole with lugs
- rear lining ■ water-repellent upper ■ anti-puncture plate or fabric.

The meaning of the stamping that you can find on the footwear is given below. They have been designed, equipped with toe caps designed to provide protection against impact when tested at an energy level of 200J".

EN ISO 20345:2011

Protective footwear in accordance with EN ISO 20345:2011 is called "Protective footwear".

It is basically identical to safety footwear. The only differences are the following:

- impact protection toe cap with energy of 100 J and compression of 10 KN
- it is marked with "P" (Protective) in place of the "S" (Safety).

NB: use in all workplaces where the protection of 100 J is sufficient.

THE MEANING OF THE EUROPEAN STANDARDS

EN ISO 20349:2010 Small splashes of molten metal such as those produced during welding operations and related processes.

EN ISO 20344:2011 Test methodology and general requirements.

EN ISO 20345:2011 Specifications of safety footwear with toe resistance at 200 J.

EN ISO 20346:2011 Specifications of protective footwear with toe resistance at 100 J.

EN ISO 20347:2012 Specifications of "work" or "professional" footwear. No specific toe cap resistance.

UNI 11583:2015 Footwear marked UNI 11583:2015 meets the requirements of the UNI 11583:2015 standard which specifies the requirements for safety, protective and work footwear for professional use for work on sloping roofs.

FOOTWEAR CLASSIFIED "S"		
SB	BASIC Requirements	
S1/01	S1/01 BASIC requirements + S1 supplemented by:	<ul style="list-style-type: none"> ■ closed back (also low footwear) ■ antistatic ■ FO resistance to hydrocarbons ■ energy absorption capacity of the heel
S2/02	S2/02 BASIC requirements + S2 supplemented by:	<ul style="list-style-type: none"> ■ dynamic waterproofing of the upper material
S3/03	S3/03 BASIC requirements + S3 supplemented by:	<ul style="list-style-type: none"> ■ anti-puncture plate ■ sole with lugs or tread
S4/04	S4/04 BASIC requirements + S4 supplemented by:	<ul style="list-style-type: none"> ■ antistatic ■ energy absorption of the heel ■ FO resistance to hydrocarbons
S5	S5 BASIC requirements + S5 supplemented by:	<ul style="list-style-type: none"> ■ anti-puncture plate ■ sole with lugs or tread

SLIP RESISTANCE CLASSES	
SRA	Slip resistance with ceramic ground with water and detergent.
SRB	Slip resistance with steel and glycerine ground.
SRC	Slip resistance with both conditions described above.

All Sparco Teamwork safety footwear is certified with SRC class slip resistance.

Marking of conformity with Regulation (EU) 2016/425	Nome del fabbricante SPARCO			Production date 01/022
EN ISO 20345:2011 European standard	S3	SRC	WR	00000 - LANDO
	Protection class	Slip resistance requirement	Additional requirements	Product code

The following are affixed on the gusset or on the tongue of the shoe:

• manufacturer's mark • the article code • the month and year of manufacture • CE conformity marking

PROTECTION CLASS SYMBOL		EN ISO 20345:2011				EN ISO 20347:2012				EN ISO 20345:2011		EN ISO 20347:2012		Minimum required values EN ISO 20345:2011 + EN ISO 20347:2012
		S8	S1	S2	S3	OB	O1	O2	O3	S4	S5	O4	O5	
	Closed heel area	0	■	■	■	0	■	■	■	■	■	■	■	
	Toe cap resistant to an impact of 200J	■	■	■	■	-	-	-	-	■	■	-	-	Mechanical risk, toe protection, falling objects, foot impacts, height after impact $\geq 14\text{mm}$ (size 42)
	Toe cap resistant to static compression of 15 kN	■	■	■	■	-	-	-	-	■	■	-	-	Mechanical risk, toe protection, falling objects, foot impacts, height after impact $\geq 14\text{mm}$ (size 42)
A	Antistatic footwear	0	■	■	■	0	■	■	■	■	■	■	■	Electrical resistance of the bottom compressed between $1 \times 10^5 \text{ OHM}$ and $1 \times 10^9 \text{ OHM}$
E	Energy absorption in the heel area	0	■	■	■	0	■	■	■	■	■	■	■	Mechanical risk: reduction of trauma to the heel resulting from impacts or falls from limited heights, mechanical energy $\geq 20 \text{ Joules}$
FO EX OR O	Resistance to hydrocarbons of the sole	0	■	■	■	0	0	0	0	■	■	0	0	Volume increase of the sole sample $< 12\%$
WRU	Penetration and water absorption of the upper	0	-	■	■	0	0	■	■	-	-	-	-	Resistance to penetration and absorption of water from the upper. H ₂ O absorption after 60' $\leq 30\%$ H ₂ O transmitted after 60' $\leq 0.2 \text{ g}$
P	Resistance to perforation of the bottom of the footwear	0	0	0	■	0	0	0	■	0	■	0	■	$F \geq 1100 \text{ N}$
CI	Insulation from the cold of the bottom of the footwear	0	0	0	0	0	0	0	0	0	0	0	0	Increase $T \geq 22^\circ\text{C}$ placed on a plate at a T of 150°C for 30'
HI	Insulation from the heat of the bottom of the footwear	0	0	0	0	0	0	0	0	0	0	0	0	Decrease $T \geq 10^\circ\text{C}$ in an environment at -17°C for 30'
C	Conductive footwear	0	-	-	-	0	-	-	-	-	-	-	-	Electrical resistance of the bottom $< 1 \times 10^5 \text{ OHM}$
HRO	Heat resistance by contact of the sole	0	0	0	0	0	0	0	0	0	0	0	0	Sample in contact at 300°C for 60'' - Does not melt
AN	Ankle protection	0	0	0	0	0	0	0	0	0	0	0	0	Mechanical risk, ankle protection: average value transmitted force $\geq 10 \text{ kN}$ maximum value $< 15 \text{ kN}$
	Electrically insulating footwear (Dielectric)	0*	-	-	-	0	-	-	-	0	0	0	0	Class 00 or Class 0 - CEI EN 50321 standard
WR	Water resistant footwear	0	0	0	0	0	0	0	0	-	-	-	-	After 1000 steps or after 80' of automatic dynamic cycle, no more than 3 cm^2 of water must enter (stain)
M	Metatarsal protection	0	0	0	0	-	-	-	-	0	0	-	-	Mechanical risk, metatarsal protection: falling objects, impact to the foot. Height after impact $\geq 40 \text{ mm}$ (size 42)
CR	Cutting resistance of the upper - $F \geq 1100 \text{ N}$	0	0	0	0	0	0	0	0	0	0	0	0	$F \geq 1100 \text{ N}$
SRC	(SRA+SRB) Requisito di antiscivolo	■	■	■	■	■	■	■	■	■	■	■	■	Protezione contro lo scivolamento su diverse superfici

■ = Mandatory requirement for the indicated category
0 = Optional requirement added to the mandatory ones, if indicated on the marking - = Non-mandatory requirement, check shoe stamping

ESD CEI EN 61340-5-1 2016 | COR 1:2017 STANDARD

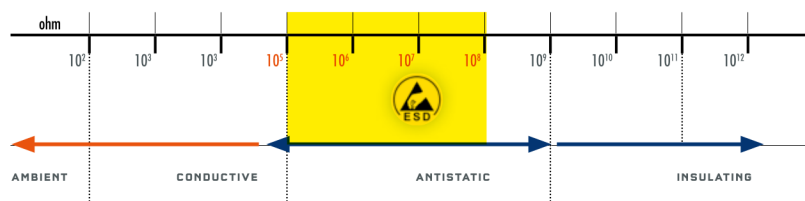
The abbreviation **ESD** (ElectroStaticDischarge) indicates a **discharge of static energy that passes from one body to another**. In hazardous workplaces, ESD discharges can be the cause of even serious accidents (starting a fire), and can damage machinery and their sensitive components.

ESD shoes are required for:

- **Work with microchips** ■ **Production of sensitive electrical parts** ■ **In painting**
- **When working in contact with flammable liquids and gases**

Evaluated on ESD by conditioning the shoe at 12% relative humidity:

- **resistance of the footwear/operator combination | metal electrode less than $1 \times 10^{-9} \text{ ohm}$**
- **storage capacity of the electric charge of the footwear/operator combination | metal electrode less than 100 volts**



REGULATION (EU) 2016/425

Article 47: EC certificates issued in accordance with Directive 89/686/EEC are valid until 21/04/2023. After 21/04/2019, all new models must be certified according to Regulation 2016/425.

COMPLIANCE WITH THE REACH REGULATION

The company complies with the REACH Regulation (EC) no. 1907/2006 in force since 1 June 2007, ensuring that the products used and supplied by SPARCO TEAMWORK:

- **do not contain SVHC (Substance of Very High Concern) substances;**
- **do not contain substances that are on the list in Annex XIV of the REACH Regulation;**
- **do not contain substances that are on the constantly updated Candidate List;**
- **do not contain substances subject to restrictions (Annex XVII of REACH) that the relative restrictions of use are observed.**

Furthermore, in the event that an article contains an SVHC (Substance of Very High Concern) substance or one on the Candidate List in concentrations higher than 0.1% weight/weight, sufficient information is provided with the name of the substance and instructions helpful for the safe use of the article (see Article 59.1 of REACH).

