



for retailers



In step with the
new standard

EN ISO
20345:2022

approved

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In step with the new standard

The new EN ISO 20345:2022 standard relating to PPE “safety footwear” has been published.

Sixton Peak® is in step with legislative changes to ensure the highest levels of safety of its products.

Footwear certified according to EN ISO 20345:2011 may continue to be placed on the market even after the introduction of the new standard until the natural expiry of the certificate.

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What is Regulation (EU) 2016/425?

Regulation (EU) 2016/425 of 9th March 2016 is the European law that regulates the market for personal protective equipment, defines and distributes the responsibilities of the various economic operators.

Among the innovations introduced by the Regulation, remember:

- the determination of the period of validity of a certificate: not exceeding 5 years
- the indication on the CE marking of the postal address of the manufacturer and the production batch number
- possibility of also making the declaration of conformity available online: <https://certificati.sixton.it/>

Why can we still place EN ISO 20345:2011 certified PPE on the market?

Safety footwear certified according to EN ISO 20345:2011 can continue to be placed on the market until the end of the validity (expiry date) of the certificates issued by the notified bodies. Certificates (Regulation EU 2016/425) based on EN ISO

20345:2011 will remain valid even after the harmonization of the new EN ISO 20345:2022 as the new standard does not provide a significant increase in protection compared to the previous version.

To download some useful resources relating to the standard:

<https://ec.europa.eu/docsroom/documents/34601>

Why the new standard?

The rules are updated periodically (approximately every 5 years) with consequent publication in the Official Journal of the European Union. The references of the harmonized standards for PPE published in the Official Journal of the European Union can be found by consulting the website of the European Commission at the following link:

https://eur-lex.europa.eu/eli/dec_impl/2023/941/oj

What is the EN ISO 20345:2022 standard?

The new EN ISO 20345:2022 standard was published by CEN and in the Official Journal of the European Union.

The standard defines the basic and additional (optional) requirements for general purpose safety footwear. It includes mechanical hazards, slip resistance, thermal hazards and ergonomic behaviour, among others.



The identification codes of the new standard

The standards are evolving to ensure greater safety and protection of workers and companies.

The new EN ISO 20345: 2022 provides for the introduction of new requirements and markings, with the aim of facilitating the application of the standard by the manufacturer, creating equivalent conditions in all member states and effectively simplifying the circulation of goods in Europe.

Basic requirements



Among the basic requirements, the new standard provides for the implementation of a slip resistance level

SB

S



TOE PROTECTION
200 J + 15KN

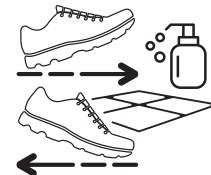


RESISTANCE, SAFETY
AND PERFORMANCE
OF MATERIALS

NEW



FOOTWEAR
ERGONOMICS AND
COMFORT



SLIP RESISTANCE
ceramic floor +
detergent

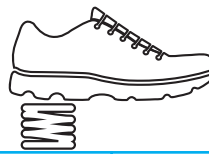
Additional requirements and markings



In the additional requirements new markings have been added for:

- resistance to differentiated perforation material-nail (P – PL – PS)
- ladder grip system (LG)
- resistance of the scuff cap to abrasion (SC)
- slip resistance (SR) sole-heel control

E



ENERGY ABSORPTION OF SEAT REGION

A



ANTISTATIC FOOTWEAR

WR



WATER RESISTANT FOOTWEAR

FO



SOLE RESISTANT TO FUEL OIL

AN



ANKLE PROTECTION

CR



CUT RESISTANCE

P

Ø=4,5 mm

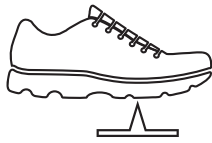


Metallic perforation resistant insert with conical nail

NEW

PL

Ø=4,5 mm

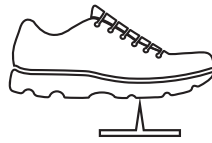


Non-metallic perforation resistant insert with conical nail

NEW

PS

Ø=3 mm



Non-metallic perforation resistant insert with conical nail

NEW

WPA



UPPER RESISTANT TO WATER PENETRATION AND ABSORPTION

HRO



SOLE RESISTANT TO HOT CONTACT

HI



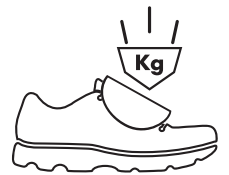
HEAT INSULATION

CI



COLD INSULATION

M



METATARSAL PROTECTION

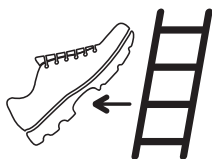
C



PARTIALLY CONDUCTIVE FOOTWEAR

NEW

LG



LADDER GRIP SYSTEM

NEW

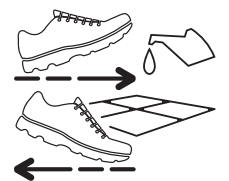
SC



SCUFF CAP ABRASION RESISTANCE

NEW

SR



SLIP RESISTANCE ceramic floor + glycerine

EN ISO
20345:2022

”

How to
identify
the new
markings

New markings
with multiple
safety levels.

EN ISO 20345:2022 standard markings




approved


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SB = S +  +  +  + 


S1 = SB + E + A + CLOSED HEEL AREA

E:  A: 

S1P = S1 + P

P:  Ø=4,5 mm


NEW S1PL = S1 + PL

PL:  Ø=4,5 mm

NEW S1PS = S1 + PS

PS:  Ø=3 mm

S2 = S1 + WPA

WPA: 

S3 = S2 + P + OUTSOLE WITH CLEATS

P:  Ø=4,5 mm

OUTSOLE WITH CLEATS: 

NEW S3L = S2 + PL + OUTSOLE WITH CLEATS

PL:  Ø=4,5 mm


OUTSOLE WITH CLEATS: 

NEW S3S = S2 + PS + OUTSOLE WITH CLEATS

PS:  Ø=3 mm

OUTSOLE WITH CLEATS: 

NEW S6 = S2 + WR

WR: 

NEW S7 = S3 + WR

WR: 

NEW S7L = S3L + WR

WR: 

NEW S7S = S3S + WR

WR: 



Maspica[®]
lab for shoes

Maspica Srl a Socio Unico
Italy - 35020 Casalserugo (PD)
Via A. Einstein, 6
Tel. +39 049 8740771
Fax +39 049 8741376
info@maspica.it
www.sixton.it

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