



**The new standard
for safety shoes**
EN ISO 20345:2022

THE EN ISO 20345 STANDARD

Our feet perform at their best every day. Therefore, it is very important to protect this highly sensitive part of the body in order to maintain functionality. This requires suitable protective equipment that supports you in your activities. This is where EN ISO 20345 comes into play: the standard for safety footwear sets out basic requirements and voluntary additional requirements to ensure the highest possible level of protection.

Last year, the standard was updated and brought up to date with the new edition EN ISO 20345:2022.

On the following pages you will find a brief summary of the most important changes.



CATEGORIES

Safety footwear is divided into different categories to quickly inform the user about the respective work areas. Basic requirements are supplemented by further additional requirements and thus grant a comprehensive protection package, depending on the requirements.

OLD

NEW

SB

Basic requirements

Basic requirements, **slip resistance (ceramic tiles and NaLS)**

S1

Basic requirements, closed seat area, antistatic properties, energy absorption of seat region, resistance to fuel oil

Basic requirements, closed seat region, antistatic properties, energy absorption of seat region

Dismissal: resistance to fuel oil

S2

Basic requirements, closed seat region, antistatic properties, energy absorption of seat region, resistance to fuel oil, protection against water penetration and water absorption

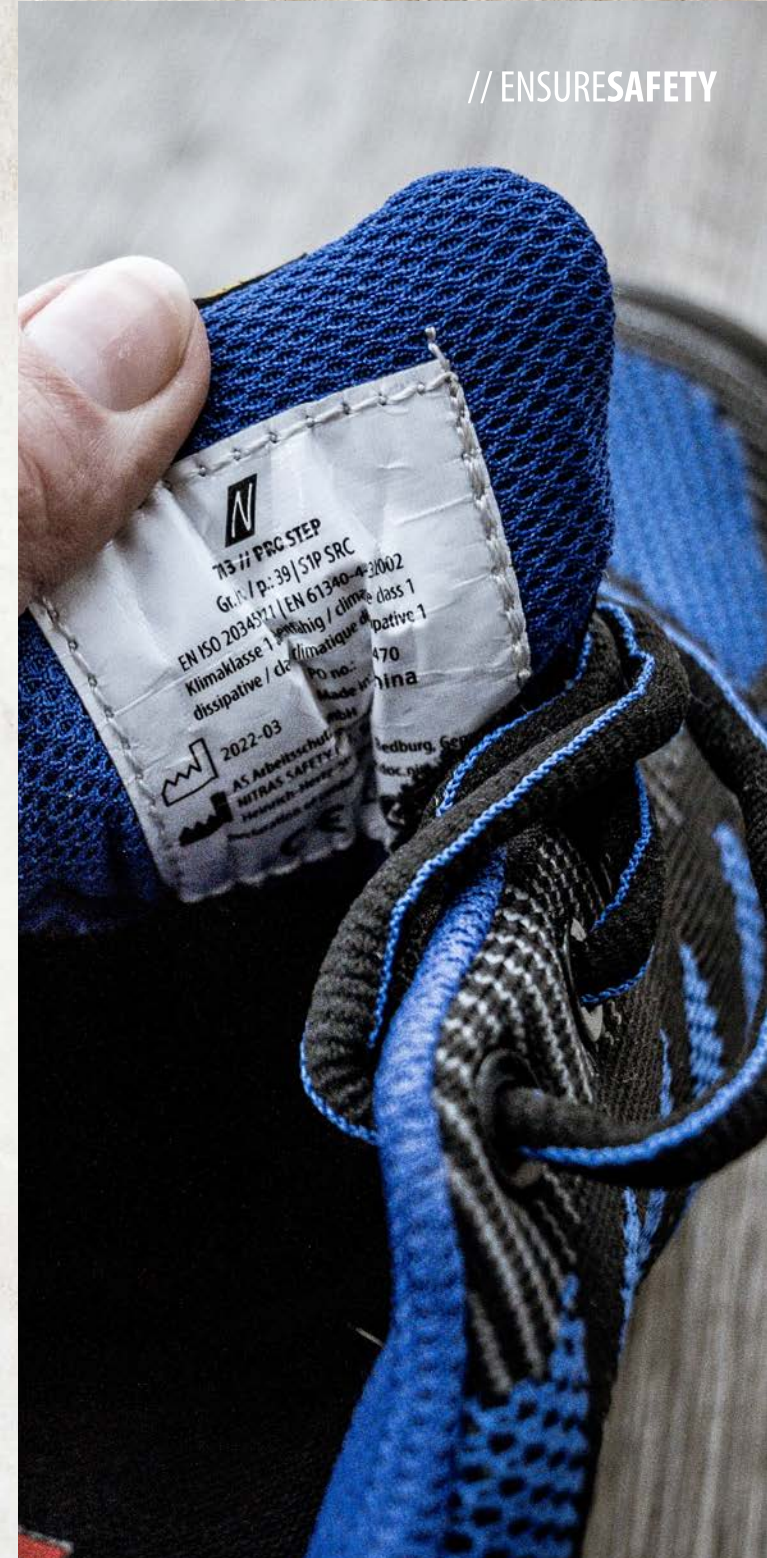
Basic requirements, closed seat region, antistatic properties, energy absorption of seat region, resistance to fuel oil, protection against water penetration and water absorption **of the upper**

S3

Basic requirements, closed seat region, antistatic properties, energy absorption of seat region, resistance to fuel oil, protection against water penetration and water absorption, penetration resistance, cleated outsole

Basic requirements, closed seat region, antistatic properties, energy absorption of seat region, resistance to fuel oil, protection against water penetration and water absorption, penetration resistance, cleated outsole

Additionally S3S and S3L for metal-free insoles



OTHER SYMBOLS

With the new standard, further additional requirements have been added. The following symbols describe the most important points.

OLD

P

Insocks with penetration resistance (metallic and metal-free)

NEW

P

Metallic insocks with penetration resistance with conical nail with 4.5 mm diameter

PS

Metal-free insocks with penetration resistance with conical nail with 3 mm diameter

PL

Metal-free insocks with penetration resistance with conical nail with 4.5 mm diameter

SRA

Slip resistance (ceramic tile floor and NaLS)

SR

Slip resistance (ceramic tile floor and NaLS as well as glycerine)

SRB

Slip resistance (steel floor and glycerine)

SRC

Slip resistance (SRA and SRB passed)

LG

Ladder Grip

WRU

Water penetration and absorption

WPA

Water penetration and absorption of the upper

SC

Scuff cap



EXAMPLES AND CONCLUSION

EXAMPLES

Safety half shoes, metal-free

Old: S1 P SRC

New: S1 PS SR

Safety half shoes, metal-free

Old: S3 SRA

New: S3L

Safety half shoes, metallic

Old: S3 SRC

New: S3 SR

CONCLUSION

Your safety is our top priority. That is why it is of enormous importance to us to constantly adapt our personal protective equipment to current conditions.

As experts, we are happy to inform you about innovations and adaptations. Keep an overview with us and stay up to date. If you have any questions on this topic, please do not hesitate to contact us at any time.

Your NITRAS Team

Do you have any questions?

Find out now!

We look forward to hearing from you:



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