

Change in the use of customized insoles (EN ISO 20345:2022).

Update of EN ISO 20345:2011 | 06.2022

Within the framework of various standard updates for PPE footwear, the requirement standard for safety footwear, EN ISO 20345:2011, has also been updated. A significant change in the new EN ISO 20345 is the addition of fittings such as modified outsoles or orthopedic insoles. Until now, only RfU 10.187 (Recommendation for Use) made test suggestions on how to deal with orthopedic finishes and insoles, as these are not mentioned in EN ISO 20345:2011.

RfU 10.187 specified three scenarios for this purpose:

- outsole heightening
- enlargement of the toe cap
- orthopedic insole

This RfU is now transferred to Annex A in EN ISO 20345:2022, which differentiates between 3 types:

- type 1 – equipped with customized insoles
- type 2 – modified safety footwear
- type 3 – bespoke safety footwear

Within the three types, there are further subgroups for which special testing requirements are defined.

In some cases, such as safety shoes with a central or lateral widening of the heel or sole, the prescribed scope of testing is increased. New additions are outsole tests such as slip resistance, tear resistance, abrasion resistance, hydrolysis resistance, contact heat, fuel resistance and separation force between the layers. The scope of tests for orthopedic insoles is also changing. What is new is that metatarsal protection must also be tested in combination with safety footwear that has a corresponding marking.

In addition to changes in the scope of testing, the requirements for the labelling of safety footwear with orthopedic fittings and orthopedic insoles have also changed.

This change gives shoe manufacturers the opportunity to have shoes with orthopedic insoles or fittings tested and certified directly on a certificate under the new EN ISO 20345:2022.

INFORMATION ON LABELLING

EN ISO 20345:2022

Manufacturer's name and postal address

At least year and month of footwear manufacture

New labelling categories: SB, S1–S7

Manufacturer's instructions and information

In addition to the information according to clause 8, all information related to the customized modification shall be given, such as identification of the customized insoles suitable to be used with this safety footwear, identification of the customized adaptations for this safety footwear, e.g.:

- The manufacturer of the safety footwear and/or manufacturer of the customized insoles shall identify the customized insoles suitable to be used with this safety footwear (type 1).
- The manufacturer of the customized safety footwear shall identify the modifications for this safety footwear (type 2).

Do you have any questions
or would you like a quote?
Please feel free to contact us!

TÜV Rheinland LGA Products GmbH
Sales

Romy Schneider
Romy.Schneider@de.tuv.com
+49 (0) 911 655-3879

Ramona Kneissl
Ramona.Kneissl@de.tuv.com
+49 (0) 911 655-5991

Am Grauen Stein
51105 Köln
Germany

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