



**EVOLUTION OF ISO 20345 STANDARD
OUR SAFETY COMMITMENTS**

CONSTANTLY EVOLVING STANDARDS FOR OPTIMAL SAFETY AT ALL TIMES

In an ever-changing professional environment, safety requirements are becoming increasingly stringent. Personal protective equipment—and safety footwear in particular—must meet ever more rigorous standards in terms of both protection and comfort.

The **EN ISO 20345** standard, the benchmark in this field, underwent a major update in 2022, introducing significant changes compared to the previous 2011 version. Understanding these changes can seem complex, which is why **Jallatte** is presenting some of the changes to this standard and, above all, the concrete solutions we have implemented to respond to them, while maintaining our requirements in terms of overall performance, aesthetics, and comfort.

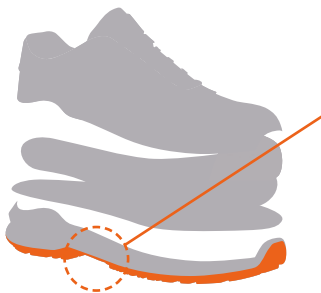
JALLATTE: THE CHOICE FOR ENHANCED SAFETY



NORMATIVE DEVELOPMENT: TYPE B TOECAP

REGULATORY DEVELOPMENTS: ANTI-PUNCTURE TYPE S TIP

The **new ISO 20345:2022 standard** refers to the new ISO 20344:2021 standard for PPE: test methods for footwear. The latter refers to the requirements and tests for footwear components: EN ISO 22568 series standard.



GRIP SYSTEM FOR LADDER: LG MARKING

The **new ISO 20345:2022 standard** includes a new optional requirement for outsoles relating to ladder grip systems.

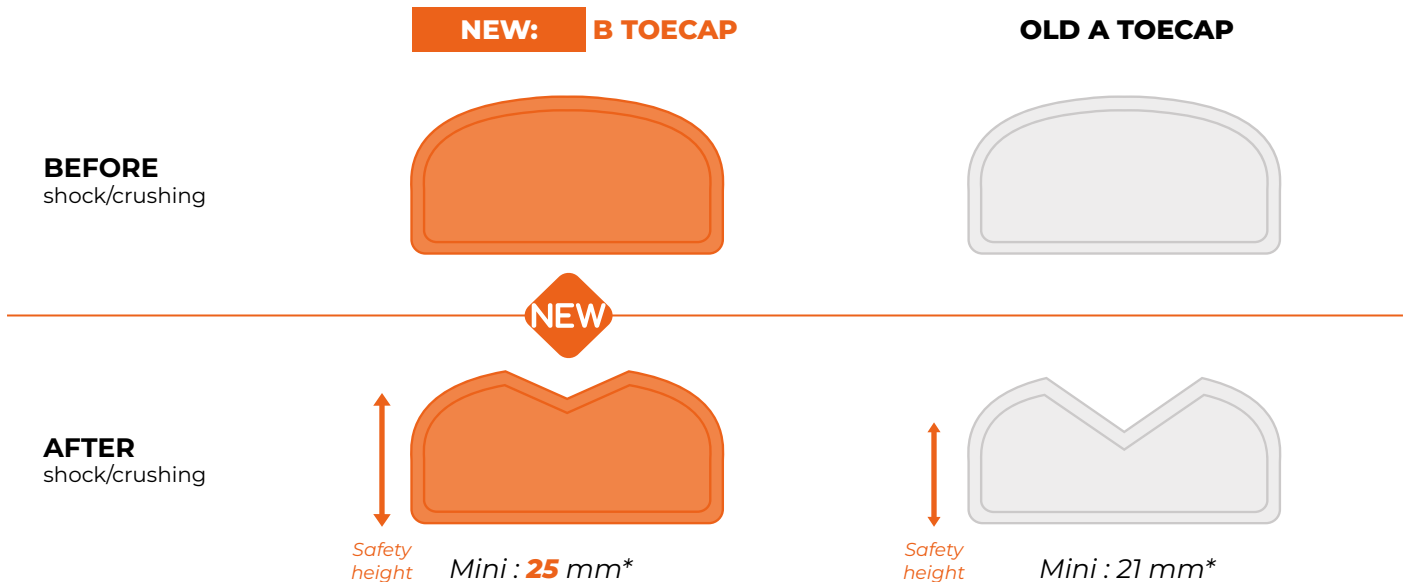


STONE GUARD: SC MARKING

The **new ISO 20345:2022 standard** includes a new optional requirement relating to the abrasion resistance of stone guards.

NORMATIVE CHANGE: TYPE B TOECAP (200J)

CERTIFICATION POSSIBLE WITH TWO VERSIONS



*Minimum height requirement for bare heel size 8 / shoe size 42

Component testing according to the new EN ISO 22568 series standards

EN ISO 22568-1 Metal end fittings and EN ISO 22568-2 Non-metallic end fittings

TYPE B TOECAP: +4 MM SAFETY HEIGHT

- +** ENHANCED SAFETY
- +** REDUCED RISK OF TOE INJURIES
- +** ABILITY TO REMOVE ONE'S FOOT MORE EASILY IN THE EVENT OF AN IMPACT OR CRUSHING

- RESISTANCE: The B toecap is **more resistant** to an impact of 200 joules and compression of 15 kN (approx. 1,530 kg).

- LESS DISTORTION: The **B toecap by Jallatte** is not taller, on the contrary, but its design allows for **less deformation under mechanical stress**.

- ENHANCED SAFETY: The B toecap is strongly **recommended** for improved safety, even though tip A is still tolerated.

THE CHOICE OF ENHANCED SECURITY

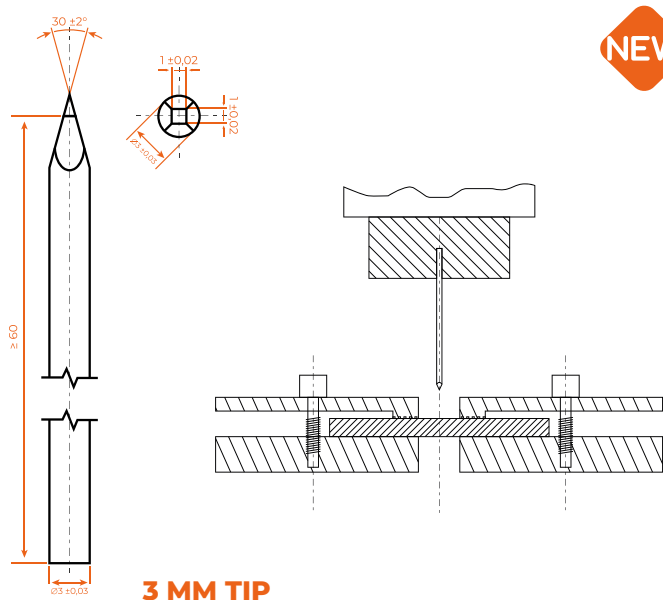
At Jallatte, we equip **100% of our models with TYPE B toecap**.



The design of our type B toecap allows for a "low-profile" look for aesthetics while providing **maximum safety**.

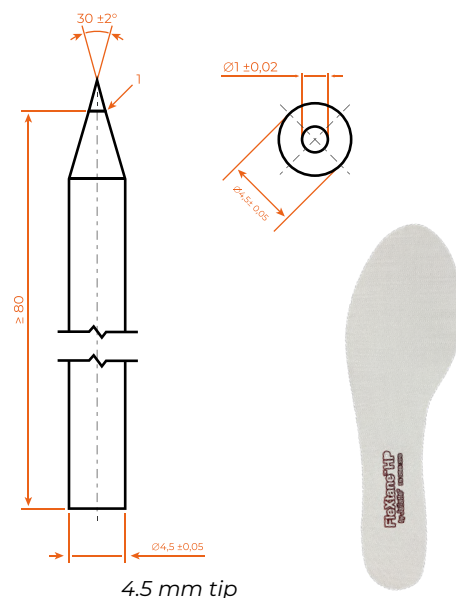
NORMATIVE EVOLUTION: ANTI-PUNCTURE TYPE TIP S

NEW : TEST WITH S TIP (SMALL)



NEW

OLD TEST WITH WIDE TIP (PL)



Component testing in accordance with the new EN ISO 22568 series standards
EN ISO 22568-3 Metal inserts and EN ISO 22568-4 Non-metallic inserts

IMPROVED PUNCTURE RESISTANCE

with smaller diameter objects: nails, screws, tacks, etc.

+ ENHANCED SAFETY

+ REDUCING THE RISK OF FOOT INJURIES WITH SMALL-DIAMETER OBJECTS

- RESISTANCE : The Pointe S (Small) anti-puncture insert is **more resistant** when a puncture force of **1,100 Newtons** (approx. 112 kg) is applied.

- LIGHTNESS AND FLEXIBILITY : The **Pointe S (Small)** anti-perforation insert by Jallatte is no heavier or denser and remains just as light and flexible.

- ENHANCED SECURITY : The Pointe S (Small) type offers **more suitable protection against objects with a smaller diameter and sharper edges** than the PL type, even though the latter is still tolerated.

THE CHOICE OF ENHANCED SECURITY

At Jallatte, we equip **100% of our models** with **non-metallic anti-perforation inserts of TYPE POINT S (SMALL)**.

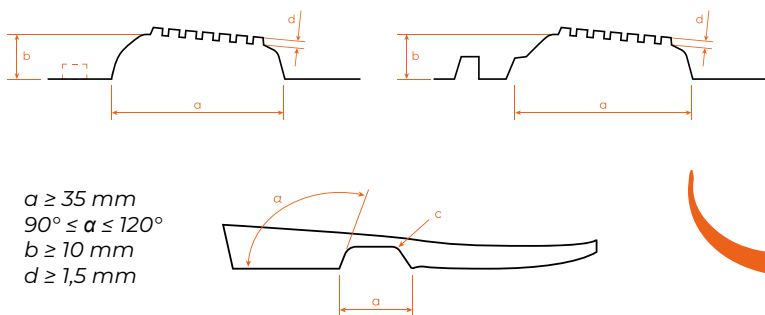


The specific design of our PS-type anti-perforation inserts and the use of high-tenacity materials mean that the weight and flexibility of the sole remain unchanged, while providing **maximum safety**.

GRIP SYSTEM FOR LADDER: LG MARKING

NEW: (LG) LADDER GRIP MARKING

Defines the requirements for unhooked heels.



SECURING ACCESS TO LADDERS AND METAL STRUCTURES

- +** ENHANCED SAFETY
- +** REDUCING THE RISK OF SLIPPING AND FALLING WHEN WORKING AT HEIGHT

- **HOOK** : A **35 mm camber zone** and **cross studs at least 1.5 mm deep** for **maximum grip** on the **rungs of ladders, step ladders, mobile platforms, scaffolding**, and on **frames** and all **metal structures**.

THE CHOICE OF ENHANCED SECURITY

Jallatte offers **construction/outdoor models and trainers** equipped with **JAL'GRIP SYSTEM**

SYNERGY **J-ESCAPE** **Softane** **Softane** **J-QUARTZ**

Adventure Avant-Garde PLEINE FLEUR

The design of our soles incorporates the standardised double heel lug on **BASF®** polyurethane or **Vibram®** rubber soles, offering a wide choice for **maximum safety at height**.

STONE GUARD: SC MARKING

NEW : (SC) SCUFF CAP MARKING

During kneeling, the stone guard prevents the shaft from coming into contact with the ground.



Coming soon to

Softane
Avant-Garde 

EXTENDED SHOE DURABILITY

- + MORE SHOCK ABSORPTION AT THE FRONT**
- + ENHANCED ABRASION RESISTANCE**

- ROBUSTNESS : Abrasion test of the material used in the over-tip, carried out in accordance with **ISO 23388:2018** paragraph 6.1 (Standard for protective gloves against mechanical risks) **Number of cycles ≥ 8000**

THE CHOICE OF ENHANCED SECURITY

Jallatte offers models for **construction/outdoor use and industry** with a standardized **OVERCAP** made from **BASF® HD** polyurethane.

SYNERGY **J-ESCAPE** **Softane**
Adventure

The design of our soles incorporates a reinforced toe cap, ensuring **exceptional durability** and **extending the life of the shoes**.

KEY TAKEAWAYS IN 4 POINTS



TOECAP

B TYPE (200J)

Highly resistant to impact and compression, the type B toe cap increases safety and reduces the risk of toe injuries thanks to its safety height of at least 25 mm (compared to 21 mm with the old toe cap). This increase makes it **easier to remove your foot in the event of an impact or crushing**.



ANTI-PUNCTURE

TIP S (SMALL)

Superior protection against the sharpest objects, such as thin nails or metal splinters with a diameter of 3 mm. Unlike conventional protection, it anticipates the real risks in the field, even on the most complex construction sites, for increased safety and a **considerable reduction in the risk of foot injuries** from small-diameter objects.



GRIP SYSTEM

LG MARKING

Better grip on ladder rungs, stepladders, scaffolding, and scaffolding frames: the **double-hook heel** with LG (Ladder Grip) marking is designed to “lock” the foot like a wedge to prevent slipping. **It reduces the risk of falls on level ground and from heights** in industrial, logistics, and construction environments.



STONE GUARD

SC MARKING

The SC (Scuff Cap) marking **prevents the upper from coming into contact with the ground** when working on your knees, eliminating the risk of premature wear on the front of the toe cap. This PU overcap also provides **better shock absorption at the front of the foot and optimal abrasion protection**.



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