

IS 5852(Part 1):2019

Toe Caps for Protection of feet

Part 1 Metallic toe Caps

Metallic toe caps are necessary components of safety -toe -shoes which provide the protection to the wearer's toe against the accidents that might occur from moving or falling objects.

Indian standard developed by the bureau Of Indian Standards IS 5852(part1) prescribes requirements and methods of sampling and test for metallic toe caps, used for the reinforcement of the toe of the footwear.

There are two metallic toecaps one Internal Metallic Toecap intended to be incorporated underneath the upper of the footwear and other one External Metallic toecap intended to be incorporated on top of footwear upper part. Both provide protection against mechanical impact and compression.

In order that the safety -toe -shoes provide the protection to the toe of the wearer it should have specific minimum internal length. Required specific impact resistance , Required Specific Compression resistance and Corrosion resistance.

Indian Standard IS 5852(part1) ensures impact resistance upto 100 J for metallic toecaps intended for protective footwear and impact resistance 200 J for metallic toecaps for safety footwear. IS 5852(part1) also ensure marking on metallic toecap for Toecap no.

Right or left Toecap and if it the toecap is designed for 100 J it is to be marked "P" and if the toecap is designed for 200 J it is to be marked "S".

In summery IS 5852(Part 1) ensures metallic toecaps used in safety -toe -shoes provides protection to the wearer's toe against the accidents that might occur from moving or falling objects.