

Summary on Indian Standard IS 6529:1996

Stainless Steel Blooms, Billets and Slabs for forgings - Specification

This Standard, IS 6529:1996 covers the requirements of Blooms, Billets and Slabs made of Stainless Steel. The Stainless Steel Blooms, Billets and Slabs may be processed from Stainless Steel ingots or continuously cast slabs, blooms or billets by rolling, extrusion, hammering or pressing. These are further used for forgings.

The Stainless Steel Blooms, Billets and Slabs should conform to specific grade of Chemical composition depending upon the intended end use. There is a need to restrict the amount of chemical impurities present for best result. Since the Stainless Steel Blooms, Billets and Slabs will be subjected to further processing during forging, heat treatment condition and hardness properties becomes vital. Dimensional accuracy is also crucial for further processing of the Stainless Steel Blooms, Billets and Slabs. As the Stainless Steel has corrosion resistance properties, corrosion resistance performance may also be desired.

The standard specifies different steel designation and the chemical composition with tolerance from which the Stainless Steel Blooms, Billets and Slabs could be manufactured. and The test method to test the chemical composition of the steel has also been specified. The standard specifies requirements of Heat Treatment, Hardness and dimension tolerances and Corrosion Resistance.