

IS 15962 : 2012 Structural Steels For Buildings And Structures With Improved Seismic Resistance

Steel are one of the major parts of creating the infrastructure of the country. Steel cover every aspect of the technology from slightest of needles to Mightiest of the Ships. Steels are use different types of applications

With the latest climatic changes drastic natural disasters are occurring everywhere. A need for such steel which can withstood these was felt. Therefore, a standard on Structural Steels For Buildings And Structures With Improved Seismic Resistance having IS 15962 was developed by Bureau of Indian Standards (BIS). This standard covers the requirements of steelplates, shapes and sections (angles, tees, beams, channels, etc), flats, bars, etc, for use in structural work for improved seismic resistance

This standard covers the four grades (E250S, E300S, E350S and E450S) with different requirement like **Dimensions, Chemical Composition, Tensile and Impact Strength test and Requirement for Mass**. These test helps to ensure the strength and flexibility of steels under actual loading conditions making these steels long lasting and durable and ensures high performance.

The standard also has provision for other metallurgical test such as grain size, directionality, inclusion content if there is requirement as per mutual agreement between the purchaser and the manufacturer/supplier.

DPIIT quality control order has made it mandatory that all fittings sold, manufactured or imported in India shall comply with IS 15962 and carry BIS Standard Mark under a valid licence from Bureau of Indian Standard