

(PREVIEW)

*Indian Standard*HOT ROLLED MEDIUM AND HIGH TENSILE
STRUCTURAL STEEL — SPECIFICATION**1 SCOPE**

1.1 This standard covers the requirements of steel including micro-alloyed steel plates, strips, shapes and sections (angles, tees, beams, channels, etc), flats, bars, etc, for use in structural work.

1.1.1 The steels are suitable for welded, bolted and riveted structures and for general engineering purposes:

1.1.2 Where welding is employed for fabrication and guaranteed-weldability is required, welding procedure should be as specified in IS 9595 : 1996 'Metal arc welding of carbon and carbon manganese steels — Recommendations (*first revision*)'.

2 REFERENCES

The standards listed below contain provisions, which through reference in this text constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreement based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>	<i>IS No.</i>	<i>Title</i>
		1732 : 1989	Dimensions for round and square steel bars for structural and general engineering purposes (<i>second revision</i>)
		1757 : 1988	Method for Charpy impact test (V-notch) for metallic material (<i>second revision</i>)
		1852 : 1985	Rolling and cutting tolerances for hot rolled steel products (<i>fourth revision</i>)
		1863 : 1979	Hot rolled steel bulb flats (<i>first revision</i>)
		1956 (in various parts)	Glossary of terms relating to iron and steel
		2314 : 1986	Specification for steel sheet piling sections (<i>first revision</i>)
		3803 (Part 1) : 1989	Steel — Conversion of elongation values: Part 1 Carbon and low alloy steels (<i>second revision</i>)
		3954 : 1991	Hot rolled steel channel sections for general engineering purposes (<i>first revision</i>)
		8910 : 2010	General technical delivery requirements for steel and steel products (<i>first revision</i>)
228 (in various parts)	Methods for chemical analysis of steel	10182	Dimensions and tolerances for hot rolled track shoe sections:
808 : 1989	Dimensions for hot rolled steel beam, column, channel and angle sections (<i>third revision</i>)	(Part 1) : 1982	Sections TS- L1
		(Part 2) : 1985	Sections TS- H1
1173 : 1978	Hot rolled slit steel tee bars (<i>second revision</i>)	10842 : 1984	Evaluation procedure for Y-groove weld crackability test in structural steel
1252 : 1991	Dimensions of hot rolled steel bulb angles (<i>first revision</i>)	12778 : 2004	Hot rolled parallel flange steel sections for beams, columns and bearing piles — Dimensions and section properties (<i>first revision</i>)
1599 : 1985	Method for bend test (<i>second revision</i>)		
1608 : 2005	Metallic materials — Tensile testing at ambient temperature (<i>third revision</i>)	12779 : 1989	Rolling and cutting tolerances for hot rolled parallel flange beam and column sections
1730 : 1989	Dimensions for steel plates sheets, strips and flats for general engineering purposes (<i>second revision</i>)		