



RAUNAQ
TRUSTED STEEL

ISC1500M – IS 513 Part 2 (2016) – Martensitic - Technical Datasheet

1. Chemical & Mechanical Properties

Property	Value
C (%)	≤0.25
Mn (%)	≤2.00
Si (%)	≤0.50
P (%)	≤0.020
S (%)	≤0.020
Al (%)	0.02–0.06
Ti (%)	≤0.15
Nb (%)	≤0.09
Yield Strength YS (MPa min)	1500
Tensile Strength UTS (MPa min)	1600
Elongation A80 (%) min	10

2. Equivalent / Alternative Grades

Grade	Standard	C%	Mn %	Si%	P%	S%	Al%	Ti%	Nb %	UTS (MPa)	YS (MPa)
EN Gr 1500	EN 10338	≤0.25	≤2.00	≤0.50	≤0.020	≤0.020	0.02 – 0.06	≤0.15	≤0.09	1600	1500
ASTM Gr 1500	ASTM A1008	≤0.25	≤2.00	≤0.50	≤0.020	≤0.020	0.02 – 0.06	≤0.15	≤0.09	1620	1500
JFS Gr 1500	JFS A2001	≤0.25	≤2.00	≤0.50	≤0.020	≤0.020	0.02 – 0.06	≤0.15	≤0.09	1630	1500

3. Common Applications

- Crash-relevant structural parts
- Strength/weight optimised panels

4. Standard Conformance

Cold-reduced sheet/strip conforming to IS 513 Part 2 (2016).

5. Disclaimer

All chemical compositions, mechanical properties, dimensions and other technical data presented on this page are provided by Raunaq Steels Trading Pvt. Ltd. for general reference only. While we endeavour to ensure that the information is as accurate and up-to-date as possible, no warranty, express or implied, is given as to its completeness, correctness or fitness for any particular purpose. Raunaq Steels Trading Pvt. Ltd. accepts no liability for any loss or damage arising directly or indirectly from the use of, or reliance upon, the information contained herein. For authoritative and legally binding specifications, users must refer to the official publications of the relevant standards—such as the BIS, ASTM, EN or JIS standards—available through their respective websites or published documents