

HRB500E– Technical Datasheet

1. Chemical & Mechanical Properties

Element	% Composition
C (%)	0.25
S (%)	0.045
P (%)	0.045
Yield (MPa)	500
Tensile (MPa)	630
Elongation (%)	15
Agt	9

2. Equivalent / Alternative Grades

Grade	Standard	Yield (MPa)	Tensile (MPa)	Carbon Max (%)
ASTM A615 Grade 75	ASTM A615	520	690	0.30
BS 4449 B500B	BS 4449	500	625	0.24
ISO 6935 B500B	ISO 6935-2	500	625	0.24

3. Common Applications

- High-rise buildings
- Bridges & flyovers
- Seismic zones (D/S variants)

4. Standard Conformance

GB/T 1499.2-2018

5. Disclaimer

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