

# HRBF500 – Technical Datasheet

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## 1. Chemical & Mechanical Properties

Element	% Composition
C (%)	0.23
S (%)	0.045
P (%)	0.045
Yield (MPa)	500
Tensile (MPa)	630
Elongation (%)	15

## 2. Equivalent / Alternative Grades

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