IS 2062 E250BR

Suitable for general structural fabrication and engineering applications, E250BR offers excellent weldability, formability and dependable mechanical performance for industrial structures, equipment frames and general construction.

IS 2062 E350BR

E350BR provides higher yield strength than E250BR, making it ideal for heavy structural fabrication, industrial equipment and infrastructure projects where improved load-bearing capacity is required.

IS 2062 E350C

E350C delivers the same minimum yield strength as E350BR while offering improved impact properties. It is commonly selected for structural applications requiring enhanced toughness.

IS 2062 E410BR

E410BR is a higher-strength structural steel grade suitable for demanding engineering projects requiring increased load-bearing capability without compromising fabrication performance.

IS 2062 E450BR

E450BR is designed for heavy-duty structural and engineering applications where superior mechanical strength and long-term durability are essential.

Technical Specifications

Mechanical Properties

Property	E250BR	E350BR	E350C	E410BR	E450BR
Minimum Yield Strength (MPa)	250	350	350	410	450
Typical Tensile Strength (MPa)	410–540	490–630	490–630	540–680	570–710
Typical Elongation (%)	23	22	22	20	18

Chemical Composition

Element	E250BR	E350BR	E350C	E410BR	E450BR
Carbon (Max %)	0.23	0.20	0.20	0.20	0.20
Manganese (Max %)	1.50	1.60	1.60	1.70	1.70
Phosphorus (Max %)	0.045	0.045	0.040	0.040	0.040

Sulphur (Max %)	0.045	0.045	0.040	0.040	0.040

Note: Verify all mechanical and chemical values against the latest IS 2062 specification and the corresponding Mill Test Certificates before publication.

Product Information

Specification	Details
Standard	IS 2062
Grades Available	E250BR, E350BR, E350C, E410BR & E450BR
Source	Leading Indian Steel Manufacturers
Documentation	Mill Test Certificate (MTC)
Material Traceability	Available
Processing Services	Available on request