E250 HR Coils

Suitable for general fabrication and structural applications where good formability and weldability are required.

E350 HR Coils

Higher-strength grade for heavy structural fabrication, industrial equipment and infrastructure projects.

E410 HR Coils

Designed for applications requiring increased load-bearing capacity while maintaining good fabrication characteristics.

E450 HR Coils

High-strength structural grade for demanding engineering applications where superior mechanical performance is required.

Technical Specifications

Mechanical Properties

Property	E250	E350	E410	E450
Minimum Yield Strength (MPa)	250	350	410	450
Typical Tensile Strength (MPa)	410–540	490–630	540–680	570–710
Typical Elongation (%)	23	22	20	18

Chemical Composition

Element	E250	E350	E410	E450
Carbon (Max %)	0.23	0.20	0.20	0.20
Manganese (Max %)	1.50	1.60	1.70	1.70
Phosphorus (Max %)	0.045	0.045	0.040	0.040
Sulphur (Max %)	0.045	0.045	0.040	0.040

Note: Verify all values against the latest mill specifications and corresponding Mill Test Certificates before publication.

Product Information

Specification	Details

Grades Available	E250, E350, E410 & E450
Source	Leading Indian Steel Manufacturers
Documentation	Mill Test Certificate (MTC)
Material Traceability	Available
Processing Services	Available on request