IS 2062 E650

Structural steel

EQUIVALENT GRADES

India (IS)	IS 2062 E650
Europe (EN)	S650MC (nearest)
China (GB)	Q690 (nearest)

CHEMICAL COMPOSITION (WEIGHT %)

C	Mn	Si	P
max 0.22	**max 1.70**	**max 0.50**	**max 0.025**

S	Note
max 0.015	**CE max 0.55**

PROPERTIES

Mechanical (typical)	Tensile min 780 MPa | Yield min 650 MPa (<20 mm) | Elongation min 12%
Density	7.85 g/cm3 (7,850 kg/m3)
Typical uses	Mostly used for high-strength structural members, cranes and trailers
Notes	Equivalents are nearest only. Only A and BR qualities.

SUPPLY

Enquiry	Send grade, product form, size, quantity and delivery location for a quotation. Mill test certificates as per order.
Online	Equivalents, full chemistry by standard and weight calculator: https://steelimp.com/is-2062-e650-equivalent-grades

Steel Impex India
231/235 Chouhan House, 2nd Kumbharwada Lane, Sant Sena Maharaj Marg, Mumbai, Maharashtra 400004, India

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Enquiry: steelimp.com/quote.php

Reference values compiled from published standards. Confirm against the governing standard, product form and the mill test certificate. Generated 13 Nov 2026.

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REFERENCE-USE NOTICE

The toolkit may contain errors. Manually verify dimensions, calculations and specifications against the applicable standard and supplier documentation before purchase, fabrication or use.

Read this notice with the source, material, condition and scope notes accompanying the preceding grade datasheet.

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