

TECHNICAL DATA SHEET · PLATES & STRUCTURALS

Structural Steel Sections

ISMB beams, ISMC channels, equal and unequal angles, stocked and supplied by Teshi Group.

STOCKIST & SUPPLIER Hot-rolled structural sections — beams, channels and angles — form the frames, pipe racks and supports of every industrial plant. Teshi Group stocks them in IS 2062 grades for supply in mill lengths or cut to size.

Specification

Product	Hot-rolled structural steel sections
Supply	Stockist and supplier — sourced from approved mills; not manufactured by Teshi Group
Dimensional standard	IS 808; rolling tolerances to IS 1852
Material standard	IS 2062 E250 and E350 (quality A, BR, BO)
Beams	ISMB 100 to ISMB 600; NPB and WPB parallel-flange beams on enquiry
Channels	ISMC 75 to ISMC 400
Angles	Equal 25×25×3 to 200×200×25; unequal 30×20×3 to 200×150×18
Other sections	Flats, rounds, squares, and hollow sections to IS 4923 / IS 1161
Length	Mill lengths of 10–12 m, or cut to size

Materials

Structural steel	IS 2062 E250 BR, IS 2062 E350 BR, ASTM A36
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Inspection and testing

- Mill testing to IS 2062: chemical analysis, tensile and bend tests; Charpy impact for BO and C quality.
- Teshi receiving inspection: section size, straightness and heat number against the mill certificate.

Marking, documentation and packing

Marking	Rolled-in or stamped brand and section size; heat number on tag or paint mark.
Documentation	Original mill test certificate to EN 10204 3.1 for each heat supplied. IBR-certified material on request.
Packing	Bundled and strapped by section size and length.

Typical applications

- Plant structures, platforms and stair towers
- Pipe racks and pipe supports
- Sheds, crane girders and conveyor galleries

Ordering information

- Section designation (for example ISMB 250)
- Grade and quality
- Length or cutting list
- Quantity in tonnes or running metres



Dimension charts

ISMB beam sizes and weights (IS 808); ISMC channel sizes and weights (IS 808); ISA angle sizes and weights (IS 808) — www.teshigroup.com/dimensional-standards/

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions and properties before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions.

Teshi Group

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