

Marino\WARE® Product Submittal Data

PRODUCT NAME: 1200JT250-54

MARINO\WARE PART #

PROPERTIES:

Web (in)	12	Yield Strength Fy (KSI)	50
Mils:	54	Tensile Strength Fu (KSI)	65
Gauge:	16	Design Thickness (in)	0.0566
Finish:	G60 or G90	Minimum Thickness (in)	0.0538
Flange:	2-1/2"		

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	3.04
Cross Sectional Area: A (in ²)	0.893
Moment of Inertia: I_x (in ⁴)	15.7
Section Modulus: S_x (in ³)	2.79
Radius of Gyration: R_x (in)	4.18
Gross Moment of Inertia: I_y (in ⁴)	0.284
Gross Radius of Gyration: R_y (in)	0.563

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: I_{xe} (in ⁴)	15.7
Section Modulus: S_{xe} (in ³)	2.59
Allowable Bending Moment: Ma (in-k)	39.5
Allowable Shear Force: Va (K)	3.95

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: J_{x1000} (in ⁴)	0.954
Torsional Warping Constant: C_w (in ⁶)	4.73
Radius of Gyration on the Centroid Principal axis: Ro (in)	5.18

CODES & STANDARDS

- Framing meets ASTM A 1003, A 653, & C 955

GREEN INFO LEED® v3

Available LEED® points in the following categories:

- MR Credit 2 - Construction Waste Management (1-2 points)
- MR Credit 4 - Recycled Content (1-2 points)
- MR Credit 5 - Regional Materials (1-2 points)

- Total Recycled Content: 34.9%
- Post Consumer Content: 24.3%
- Pre Consumer (Post Industrial) Content: 9.4%

- Also available in 9-1/4" and 11-1/4" Depths

05.42.00 Cold-Formed Metal Joist Framing

JOISTRITE® TRACK



For more information, please contact Marino\WARE Technical Services at 866-545-1545.

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