

Marino\WARE® Product Submittal Data

PRODUCT NAME: 1400JT250-54

MARINO\WARE PART #

PROPERTIES:

Web (in)	14	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
Top Flange:	1-1/2"	Bottom Flange:	2-1/2"

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	3.42
Cross Sectional Area: A (in ²)	1.01
Moment of Inertia: Ix (in ⁴)	23.2
Section Modulus: Sx (in ³)	3.51
Radius of Gyration: Rx (in)	4.80
Gross Moment of Inertia: Iy (in ⁴)	0.291
Gross Radius of Gyration: Ry (in)	0.537

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ixe (in ⁴)	23.2
Section Modulus: Sxe (in ³)	3.22
Allowable Bending Moment: Ma (in-k)	46.6
Allowable Shear Force: Va (k)	3.95

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	1.08
Torsional Warping Constant: Cw (in ⁶)	6.72
Radius of Gyration on the Centroid Principal axis: Ro (in)	6.01

CODES & STANDARDS

- AISI S100 & S240
- ASTM A 1003, A 653, & C 955
- IBC 2012, 2015, 2018, 2021, 2024
- FBC 2023 & 2022 NYC Building Code
- Tested to ASTM E 119, & E 492/E 989
- UL Fire Test Data: G560, G563, G564, G577, G588, G594, G597, H503, L567, L580, P546
- Intertek (Warnock Hersey) Fire Data: WHI 3099463, WHI 3101528

GREEN INFO

- LEED credits available
- Contact Technical Services for more information

05.42.00 Cold-Formed Metal Joist Framing

JOISTRITE® TRACK



www.marinoware.com

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

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