

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
Top Flange:	1-1/2"	Bottom 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: Ix (in ⁴)	15.7
Section Modulus: Sx (in ³)	2.79
Radius of Gyration: Rx (in)	4.18
Gross Moment of Inertia: Iy (in ⁴)	0.284
Gross Radius of Gyration: Ry (in)	0.563

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ixe (in ⁴)	15.7
Section Modulus: Sxe (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: Jx1000 (in ⁴)	0.954
Torsional Warping Constant: Cw (in ⁶)	4.73
Radius of Gyration on the Centroid Principal axis: Ro (in)	5.18

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

