

# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 1400JT250-54

**MARINO\WARE PART #**

## PROPERTIES:

<b>Web (in)</b>	14	<b>Yield Strength Fy (KSI)</b>	50
<b>Mils:</b>	54	<b>Tensile Strength Fu (KSI)</b>	65
<b>Gauge:</b>	16	<b>Design Thickness (in)</b>	0.0566
<b>Finish:</b>	G60 or G90	<b>Minimum Thickness (in)</b>	0.0538
<b>Flange:</b>	2-1/2"		

## SECTION PROPERTIES

### GROSS SECTION PROPERTIES

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

### EFFECTIVE SECTION PROPERTIES

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

### TORSIONAL SECTION PROPERTIES

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

## 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.

This technical information reflects the most current information available and supersedes any and all publications, effective 12/1/2010  
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