

Marino\WARE® Product Submittal Data

PRODUCT NAME: 800JR250-97

05.42.00 Cold-Formed Metal Joist Framing

MARINO\WARE PART # 800RE12

PROPERTIES:

A. Web (in)	8"	Yield Strength Fy (KSI)	50
B. Flange (in)	2.5"	Tensile Strength Fu (KSI)	65
C. Lip (in)	0.75"	Design Thickness (in)	0.1017
Mils	97	Minimum Thickness (in)	0.0966
Available Finish	G60, G90	Gauge	12

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	3.76
Cross Sectional Area: A (in ²)	0.916
Moment of Inertia: Ix (in ⁴)	12.3
Section Modulus: Sx (in ³)	3.07
Radius of Gyration: Rx (in)	3.66
Gross Moment of Inertia: Iy (in ⁴)	0.751
Gross Radius of Gyration: Ry (in)	0.906

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ixe (in ⁴)	12.3
Section Modulus: Sxe (in ³)	3.03
Allowable Bending Moment: Ma (in-k)	85.4
Allowable Shear Force: Va (k)	2.47

TORSIONAL SECTION PROPERTIES

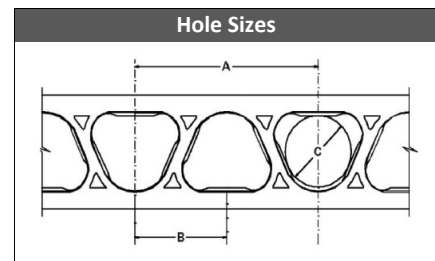
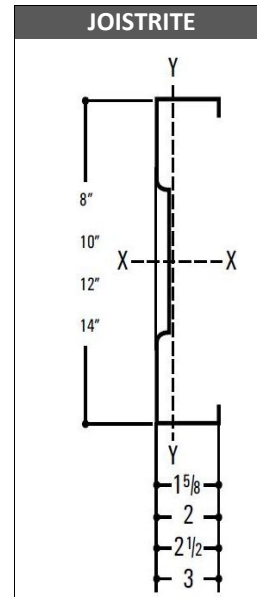
St. Venant Torsional Constant: Jx1000 (in ⁴)	3.16
Torsional Warping Constant: Cw (in ⁶)	13.1
Radius of Gyration on the Centroid Principal axis: Ro (in)	4.34

CODES & STANDARDS

- AISI S100, S240 & ICC ES ESR-1741
- ASTM A 1003, A 653, & C 955
- IBC 2012, 2015, 2018, 2021, 2024
- FBC 2023 & 2022 NYC Building Code

GREEN INFO

- LEED credits available
- Contact Technical Services for more information.



Section	A (in)	B (in)	C
8"	14	7	5.5
10"	28	14	7.2
12"	35	17.5	9.2
14"	35	17.5	9.2



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

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