

Marino\WARE® Product Submittal Data

PRODUCT NAME: 1200JR200-43

05.42.00 Cold-Formed Metal Joist Framing

MARINO\WARE PART #

PROPERTIES:

A. Web (in)	12"	Yield Strength Fy (KSI)	33
B. Flange (in)	2"	Tensile Strength Fu (KSI)	45
C. Lip (in)	0.75"	Design Thickness (in)	0.0451
Mils	43	Minimum Thickness (in)	0.0428
Available Finish	G60, G90	Gauge	18

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	2.00
Cross Sectional Area: A (in ²)	0.411
Moment of Inertia: Ix (in ⁴)	12.8
Section Modulus: Sx (in ³)	2.13
Radius of Gyration: Rx (in)	5.58
Gross Moment of Inertia: Iy (in ⁴)	0.221
Gross Radius of Gyration: Ry (in)	0.734

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ixe (in ⁴)	12.8
Section Modulus: Sxe (in ³)	2.05
Allowable Bending Moment: Ma (in-k)	38.1
Allowable Shear Force: Va (k)	0.699

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	0.278
Torsional Warping Constant: Cw (in ⁶)	8.44
Radius of Gyration on the Centroid Principal axis: Ro (in)	5.88

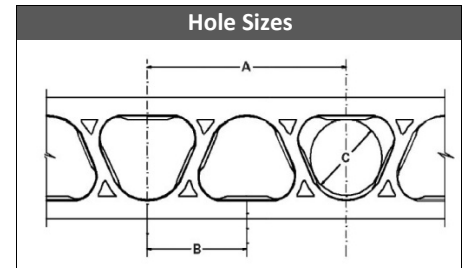
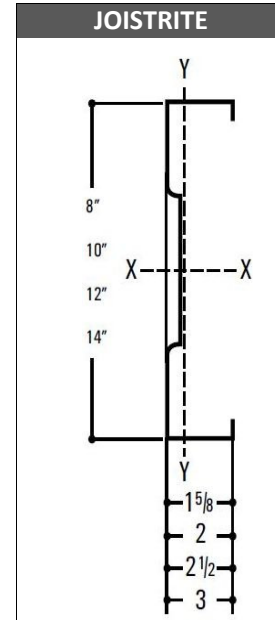
CODES & STANDARDS

- AISI S100 & S240
- 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.

• Note: h/t ratio exceeds 200, use stiffeners as required by AISI S100



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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