

Marino\WARE® Product Submittal Data

PRODUCT NAME: 800T300-68

05.40.00 Cold-Formed Metal Framing

MARINO\WARE PART #

PROPERTIES:

A. Web (in)	8"	Yield Strength Fy (KSI)	50
B. Flange (in)	3	Tensile Strength Fu (KSI)	65
Mils	68	Design Thickness (in)	0.0713
Available Finish	G60	Minimum Thickness (in)	0.0677
		Gauge	14

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	0.997
Weight of Member: (lb/ft)	3.39
Moment of Inertia: Ix (in ⁴)	10.173
Section Modulus: Sx (in ³)	2.466
Radius of Gyration: Rx (in)	3.194
Gross Moment of Inertia: Iy (in ⁴)	0.844
Gross Radius of Gyration: Ry (in)	0.920

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ix (in ⁴)	8.161
Section Modulus: Sx (in ³)	1.549
Allowable Bending Moment: Ma (in-k)	46.36
Allowable strong axis shear away from punch: Vag (lb)	4087

TORSIONAL SECTION PROPERTIES

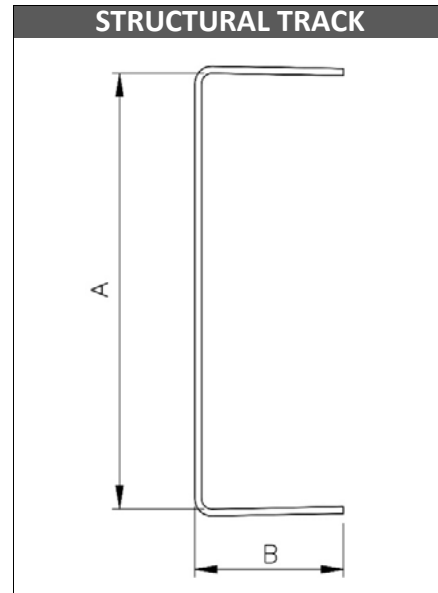
St. Venant Torsional Constant: Jx1000 (in ⁴)	1.690
Torsional Warping Constant: Cw (in ⁶)	10.067
Shear Center to Centroid on Principal X-axis: Xo (in)	-1.644
Shear Center to Mid-Plane of the Web: m (in)	1.015
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.708
Torsional Flexural Constant: β [1-(xo/Ro) ²]	0.803

CODES & STANDARDS

- AISI S100-12 & ICC ES ESR-4062
- Meets IBC 2012, 2015 & FBC 2014
- Framing meets ASTM A 1003, A 653, C 645 & C 955

GREEN INFO

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information.



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 1/5/2017.
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