

Marino\WARE® Product Submittal Data

PRODUCT NAME: 600T300-97

05.40.00 Cold-Formed Metal Framing

MARINO\WARE PART #

PROPERTIES:

A. Web (in)	6	Yield Strength Fy (KSI)	50
B. Flange (in)	3	Tensile Strength Fu (KSI)	65
Mils	97	Design Thickness (in)	0.1017
Available Finish	G60	Minimum Thickness (in)	0.0966
		Gauge	12

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	1.218
Weight of Member: (lb/ft)	4.14
Moment of Inertia: I_x (in ⁴)	7.763
Section Modulus: S_x (in ³)	2.4429
Radius of Gyration: R_x (in)	2.5245
Gross Moment of Inertia: I_y (in ⁴)	1.097
Gross Radius of Gyration: R_y (in)	0.949

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: I_x (in ⁴)	6.202
Section Modulus: S_x (in ³)	1.728
Allowable Bending Moment: M_a (in-k)	51.76
Allowable strong axis shear away from punch: V_{ag} (lb)	10885

TORSIONAL SECTION PROPERTIES

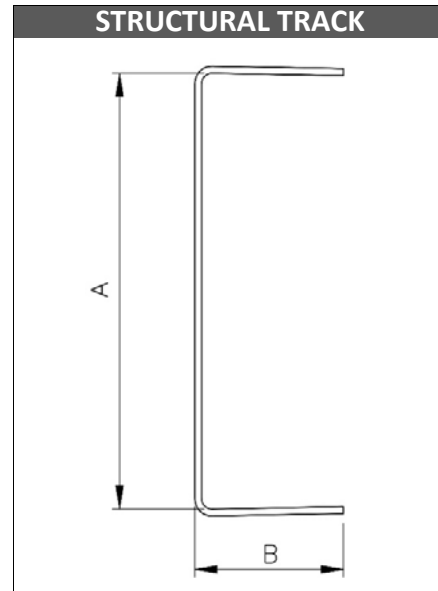
St. Venant Torsional Constant: J_{x1000} (in ⁴)	3.576
Torsional Warping Constant: C_w (in ⁶)	4.913
Shear Center to Centroid on Principal X-axis: X_o (in)	-1.86

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.



www.marinoware.com

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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