

Marino\WARE® Product Submittal Data

PRODUCT NAME: 600T200-68

MARINO\WARE PART # 600T214

05.40.00 Cold-Formed Metal Framing

PROPERTIES:

A. Web (in)	6"	Yield Strength Fy (KSI)	50
B. Flange (in)	2"	Tensile Strength Fu (KSI)	65
Mils	68	Design Thickness (in)	0.0713
Available Finish	G90	Minimum Thickness (in)	0.0677
		Gauge	14

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	0.712
Weight of Member: (lb/ft)	2.42
Moment of Inertia: I_x (in ⁴)	3.990
Section Modulus: S_x (in ³)	1.277
Radius of Gyration: R_x (in)	2.367
Gross Moment of Inertia: I_y (in ⁴)	0.254
Gross Radius of Gyration: R_y (in)	0.597

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: I_x (in ⁴)	3.540
Section Modulus: S_x (in ³)	0.973
Allowable Bending Moment: M_a (in-k)	29.120
Allowable strong axis shear away from punch: V_{ag} (lb)	5350

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: J_{x1000} (in ⁴)	1.206
Torsional Warping Constant: C_w (in ⁶)	1.746
Shear Center to Centroid on Principal X-axis: X_o (in)	-1.031
Shear Center to Mid-Plane of the Web: m (in)	0.644
Radius of Gyration on the Centroid Principal axis: R_o (in)	2.650
Torsional Flexural Constant: β [1-(x _o /R _o) ²]	0.849

CODES & STANDARDS

- AISI S100, S240 & ICC ES ESR-4062
- ASTM A 1003, A 653, & C 955
- IBC 2012, 2015, 2018, 2021 & FBC 2020, 2023

GREEN INFO

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

