

Marino\WARE® Product Submittal Data

PRODUCT NAME: 362T200-68

MARINO\WARE PART # 358T214

05.40.00 Cold-Formed Metal Framing

PROPERTIES:

A. Web (in)	3-5/8"	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)	0.543
Weight of Member: (lb/ft)	1.85
Moment of Inertia: I_x (in ⁴)	1.307
Section Modulus: S_x (in ³)	0.675
Radius of Gyration: R_x (in)	1.552
Gross Moment of Inertia: I_y (in ⁴)	0.221
Gross Radius of Gyration: R_y (in)	0.638

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: I_x (in ⁴)	1.138
Section Modulus: S_x (in ³)	0.480
Allowable Bending Moment: M_a (in-k)	14.370
Allowable strong axis shear away from punch: V_{ag} (lb)	4703

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: J_{x1000} (in ⁴)	0.919
Torsional Warping Constant: C_w (in ⁶)	0.564
Shear Center to Centroid on Principal X-axis: X_o (in)	-1.250
Shear Center to Mid-Plane of the Web: m (in)	0.743
Radius of Gyration on the Centroid Principal axis: R_o (in)	2.093
Torsional Flexural Constant: β [1-(x _o /R _o) ²]	0.643

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.

