

Marino\WARE® Product Submittal Data

PRODUCT NAME: 250T200-68

05.40.00 Cold-Formed Metal Framing

MARINO\WARE PART # 212T214

PROPERTIES:

A. Web (in)	2-1/2"	Yield Strength Fy (KSI)	50
B. Flange (in)	2"	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)	0.462
Weight of Member: (lb/ft)	1.57
Moment of Inertia: Ix (in ⁴)	0.600
Section Modulus: Sx (in ³)	0.437
Radius of Gyration: Rx (in)	1.139
Gross Moment of Inertia: Iy (in ⁴)	0.196
Gross Radius of Gyration: Ry (in)	0.652

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ix (in ⁴)	0.517
Section Modulus: Sx (in ³)	0.296
Allowable Bending Moment: Ma (in-k)	8.860
Allowable strong axis shear away from punch: Vag (lb)	3199

TORSIONAL SECTION PROPERTIES

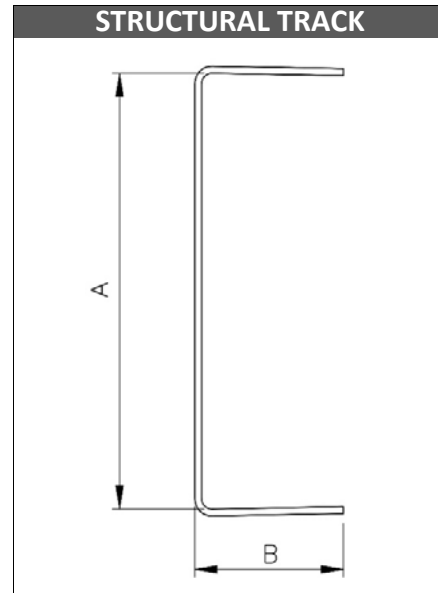
St. Venant Torsional Constant: Jx1000 (in ⁴)	0.783
Torsional Warping Constant: Cw (in ⁶)	0.251
Shear Center to Centroid on Principal X-axis: Xo (in)	-1.396
Shear Center to Mid-Plane of the Web: m (in)	0.800
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.916
Torsional Flexural Constant: β [1-(xo/Ro) ²]	0.469

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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