

Marino\WARE® Product Submittal Data

PRODUCT NAME: 800S350-68

MARINO\WARE PART # 800SW14

05.40.00 Cold-Formed Metal Framing

PROPERTIES:

A. Web (in)	8"	Yield Strength Fy (KSI)	50
B. Flange (in)	3-1/2"	Tensile Strength Fu (KSI)	65
C. Lip (in)	1"	Design Thickness (in)	0.0713
Mils	68	Minimum Thickness (in)	0.0677
Available Finish	G90	Gauge	14

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	1.174
Weight of Member: (lb/ft)	4.00
Moment of Inertia: Ix (in ⁴)	12.046
Section Modulus: Sx (in ³)	3.012
Radius of Gyration: Rx (in)	3.203
Gross Moment of Inertia: Iy (in ⁴)	2.034
Gross Radius of Gyration: Ry (in)	1.316

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ixe (in ⁴)	11.91
Section Modulus: Sxe (in ³)	2.60
Allowable Bending Moment: Ma (in-k)	77.73
Allowable strong axis shear away from punch: Vag (lb)	4221
Allowable strong axis shear at punch: Vanet (lb)	3367

TORSIONAL SECTION PROPERTIES

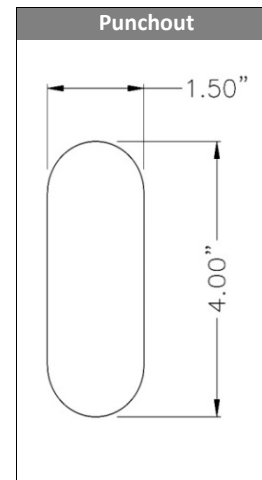
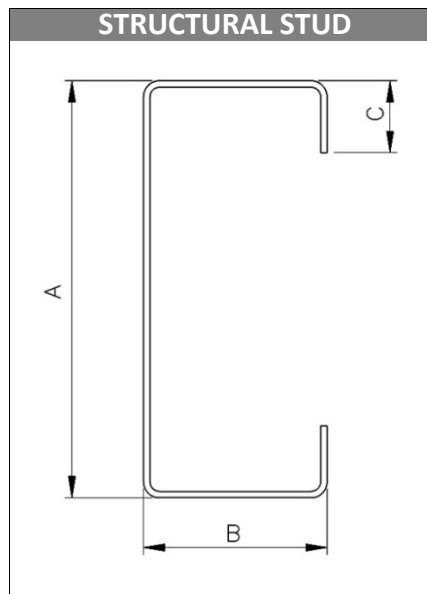
St. Venant Torsional Constant: Jx1000 (in ⁴)	1.990
Torsional Warping Constant: Cw (in ⁶)	28.308
Shear Center to Centroid on Principal X-axis: Xo (in)	-2.748
Shear Center to Mid-Plane of the Web: m (in)	1.658
Radius of Gyration on the Centroid Principal axis: Ro (in)	4.421
Torsional Flexural Constant: β [1-(xo/Ro) ²]	0.614

CODES & STANDARDS

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

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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