

# Marino\WARE® Product Submittal Data

**PRODUCT NAME:** 800QFH350-54

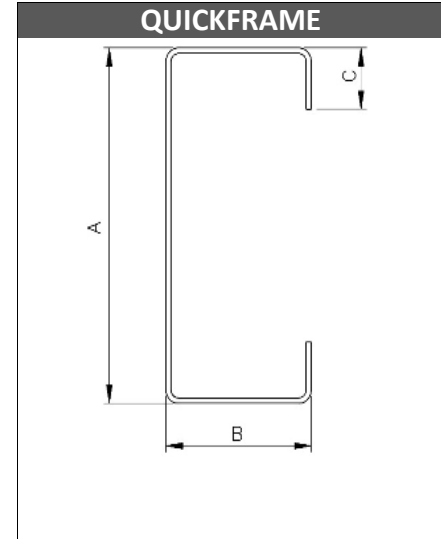
**MARINO\WARE PART #** 800QFH35054



**PROPERTIES:**

<b>A. Web (in)</b>	8	<b>Yield Strength Fy (KSI)</b>	50
<b>B. Flange (in)</b>	3-1/2	<b>Tensile Strength Fu (KSI)</b>	65
<b>C. Lip (in)</b>	1	<b>Design Thickness (in)</b>	0.0566
<b>Mils</b>	54	<b>Minimum Thickness (in)</b>	0.0538
<b>Available Finish</b>	G60, G90	<b>Gauge</b>	16

**05.40.00 Cold-Formed Metal Framing**



**SECTION PROPERTIES**

**GROSS SECTION PROPERTIES**

Cross Sectional Area: <b>A</b> (in <sup>2</sup> )	0.938
Weight of Member: <b>(lb/ft)</b>	3.19
Moment of Inertia: <b>Ix</b> (in <sup>4</sup> )	9.68
Section Modulus: <b>Sx</b> (in <sup>3</sup> )	2.42
Radius of Gyration: <b>Rx</b> (in)	3.21
Moment of Inertia: <b>Iy</b> (in <sup>4</sup> )	1.65
Section Modulus: <b>Sy</b> (in <sup>3</sup> )	0.694
Radius of Gyration: <b>Ry</b> (in)	1.32

**EFFECTIVE SECTION PROPERTIES - Unpunched**

Moment of Inertia-Deflection: <b>Ixe</b> (in <sup>4</sup> )	9.03
Section Modulus: <b>Sxe</b> (in <sup>3</sup> )	1.87
Allowable Bending Moment: <b>Max</b> (in-k)	56.0
Allowable Bending Moment: <b>Madx</b> (in-k)	49.8
Moment of Inertia: <b>Iye</b> (in <sup>4</sup> )	1.61
Section Modulus: <b>Sye</b> (in <sup>3</sup> )	0.628
Allowable Bending Moment: <b>Maly</b> (in-k)	18.8
Allowable Bending Moment: <b>Mady</b> (in-k)	15.6
Allowable shear: <b>Vag</b> (k)	2.091

**TORSIONAL SECTION PROPERTIES**

St. Venant Torsional Constant: <b>Jx1000</b> (in <sup>4</sup> )	1.00
Torsional Warping Constant: <b>Cw</b> (in <sup>6</sup> )	22.9
Shear Center to Centroid on Principal X-axis: <b>Xo</b> (in)	-2.77
Radius of Gyration on the Centroid Principal axis: <b>Ro</b> (in)	4.44
Torsional Flexural Constant: <b>β</b> = [1-(xo/Ro) <sup>2</sup> ]	0.612

**CODES & STANDARDS**

- AISI S100 & S240
- ASTM A 1003, A 653, & C 955
- IBC 2012, 2015, 2018, 2021

**GREEN INFO**

- LEED 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 8/02/2024  
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