

Marino\WARE® Product Submittal Data

PRODUCT NAME: 800QFJ350-54

MARINO\WARE PART # 800QFJ35054



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)	0.0566
Mils	54	Minimum Thickness (in)	0.0538
Available Finish	G60 & G90	Gauge	16

SECTION PROPERTIES

GROSS SECTION PROPERTIES

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

EFFECTIVE SECTION PROPERTIES - Punched

Moment of Inertia-Deflection: Ixe (in ⁴)	9.03
Section Modulus: Sxe (in ³)	1.87
Allowable Bending Moment: Max (in-k)	56.0
Allowable Bending Moment: Madx (in-k)	49.8
Allowable shear: Van (k)	2.091

TORSIONAL SECTION PROPERTIES

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

05.40.00 Cold-Formed Metal Framing

