

Marino\WARE® Product Submittal Data

PRODUCT NAME: 400QFJ300-68

MARINO\WARE PART # 400QFJ30068



PROPERTIES:

A. Web (in)	4	Yield Strength Fy (KSI)	50
B. Flange (in)	3	Tensile Strength Fu (KSI)	65
C. Lip (in)	1	Design Thickness (in)	0.0713
Mils	68	Minimum Thickness (in)	0.0677
Available Finish	G60 & G90	Gauge	14

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	0.818
Weight of Member: (lb/ft)	2.78
Moment of Inertia: Ix (in ⁴)	2.22
Section Modulus: Sx (in ³)	1.11
Radius of Gyration: Rx (in)	1.65
Moment of Inertia: Iy (in ⁴)	1.10
Section Modulus: Sy (in ³)	0.628
Radius of Gyration: Ry (in)	1.16

EFFECTIVE SECTION PROPERTIES - Punched

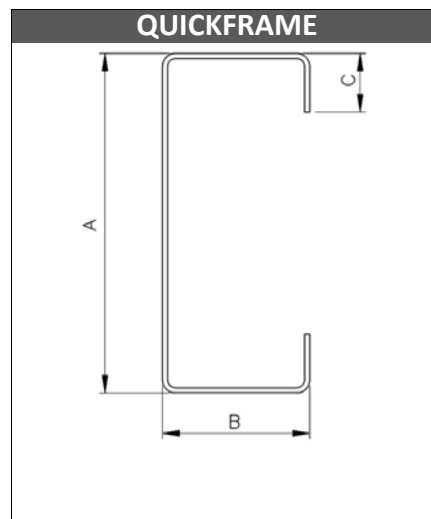
Moment of Inertia-Deflection: Ixe (in ⁴)	2.21
Section Modulus: Sxe (in ³)	0.973
Allowable Bending Moment: Malx (in-k)	29.1
Allowable Bending Moment: Madx (in-k)	30.2
Allowable shear: Van (lb)	1,356

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	1.39
Torsional Warping Constant: Cw (in ⁶)	5.47
Shear Center to Centroid on Principal X-axis: Xo (in)	-2.87
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.50
Torsional Flexural Constant: β = [1-(xo/Ro) ²]	0.330

* 33 mil and 43 mil calculated with the Direct strength Method

05.40.00 Cold-Formed Metal Framing



CODES & STANDARDS

- AISI S100-2016
- Meets IBC 2015 & 2012
- ASTM C 955 compliant
- Galvanized steel sheet meets ASTM A 1003 & A 653

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 01/27/2017
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