

Marino\WARE® Product Submittal Data

PRODUCT NAME: 600QFJ300-118

MARINO\WARE PART # 600QFJ300118



PROPERTIES:

A. Web (in)	6	Yield Strength Fy (KSI)	50
B. Flange (in)	3	Tensile Strength Fu (KSI)	65
C. Lip (in)	1	Design Thickness (in)	0.1242
Mils	118	Minimum Thickness (in)	0.1180
Available Finish	G60 & G90	Gauge	10

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	1.62
Weight of Member: (lb/ft)	5.53
Moment of Inertia: Ix (in ⁴)	9.23
Section Modulus: Sx (in ³)	3.08
Radius of Gyration: Rx (in)	2.38
Moment of Inertia: Iy (in ⁴)	2.05
Section Modulus: Sy (in ³)	1.06
Radius of Gyration: Ry (in)	1.12

EFFECTIVE SECTION PROPERTIES - Punched

Moment of Inertia-Deflection: Ixe (in ⁴)	9.23
Section Modulus: Sxe (in ³)	3.08
Allowable Bending Moment: Max (in-k)	104
Allowable Bending Moment: Madx (in-k)	92.2
Allowable shear: Van (k)	3.622

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	8.35
Torsional Warping Constant: Cw (in ⁶)	18.0
Shear Center to Centroid on Principal X-axis: Xo (in)	-2.49
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.63
Torsional Flexural Constant: β = [1-(xo/Ro) ²]	0.529

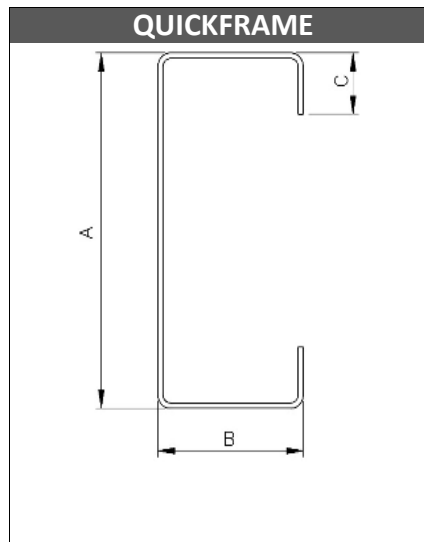
CODES & STANDARDS

- 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



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
© Copyright 2024 by Ware Industries, Inc. All rights reserved