

Marino\WARE® Product Submittal Data

PRODUCT NAME: 362QFH350-118

MARINO\WARE PART # 358QFH350118



PROPERTIES:

A. Web (in)	3-5/8	Yield Strength Fy (KSI)	50
B. Flange (in)	3-1/2	Tensile Strength Fu (KSI)	60
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)	1.45
Weight of Member: (lb/ft)	4.95
Moment of Inertia: Ix (in ⁴)	3.24
Section Modulus: Sx (in ³)	1.79
Radius of Gyration: Rx (in)	1.49
Moment of Inertia: Iy (in ⁴)	2.46
Section Modulus: Sy (in ³)	1.24
Radius of Gyration: Ry (in)	1.30

EFFECTIVE SECTION PROPERTIES - Unpunched

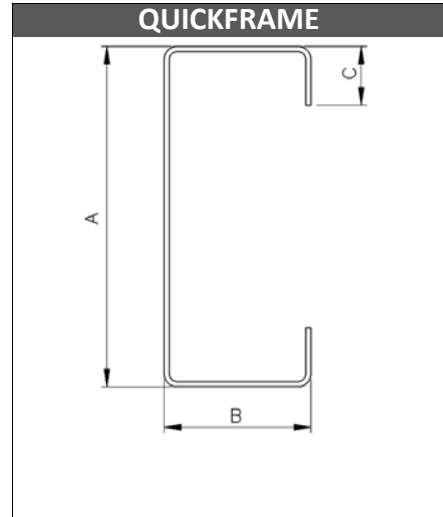
Moment of Inertia-Deflection: Ixe (in ⁴)	3.24
Section Modulus: Sxe (in ³)	1.72
Allowable Bending Moment: Max (in-k)	57.0
Allowable Bending Moment: Madx (in-k)	53.6
Moment of Inertia: Iye (in ⁴)	2.46
Section Modulus: Sye (in ³)	1.24
Allowable Bending Moment: Maly (in-k)	43.9
Allowable Bending Moment: Mady (in-k)	37.1
Allowable shear: Vag (k)	6,996

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	7.47
Torsional Warping Constant: Cw (in ⁶)	10.6
Shear Center to Centroid on Principal X-axis: Xo (in)	-3.36
Radius of Gyration on the Centroid Principal axis: Ro (in)	3.90
Torsional Flexural Constant: β = [1-(xo/Ro) ²]	0.258

* 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
©Copyright 2016 by Ware Industries, Inc. All rights reserved