

Marino\WARE® Product Submittal Data

PRODUCT NAME: 362QFH350-54

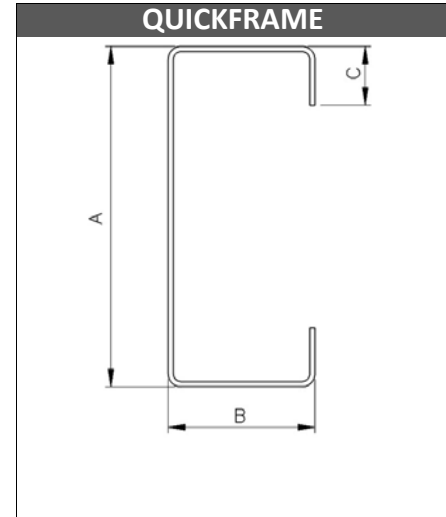
MARINO\WARE PART # 358QFH35054



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

05.40.00 Cold-Formed Metal Framing



SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	0.691
Weight of Member: (lb/ft)	2.35
Moment of Inertia: I_x (in ⁴)	1.61
Section Modulus: S_x (in ³)	0.890
Radius of Gyration: R_x (in)	1.53
Moment of Inertia: I_y (in ⁴)	1.24
Section Modulus: S_y (in ³)	0.627
Radius of Gyration: R_y (in)	1.34

EFFECTIVE SECTION PROPERTIES - Unpunched

Moment of Inertia-Deflection: I_{xe} (in ⁴)	1.48
Section Modulus: S_{xe} (in ³)	0.691
Allowable Bending Moment: Ma_{lx} (in-k)	20.7
Allowable Bending Moment: Ma_{dx} (in-k)	21.3
Moment of Inertia: I_{ye} (in ⁴)	1.21
Section Modulus: S_{ye} (in ³)	0.566
Allowable Bending Moment: Ma_{ly} (in-k)	17.0
Allowable Bending Moment: Ma_{dy} (in-k)	15.0
Allowable shear: V_{ag} (k)	3,372

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	0.738
Torsional Warping Constant: C_w (in ⁶)	5.43
Shear Center to Centroid on Principal X-axis: X_o (in)	-3.45
Radius of Gyration on the Centroid Principal axis: R_o (in)	4.00
Torsional Flexural Constant: β = [1-(x _o /R _o) ²]	0.258

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

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.

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