

Marino\WARE® Product Submittal Data

PRODUCT NAME: 800QFH300-97

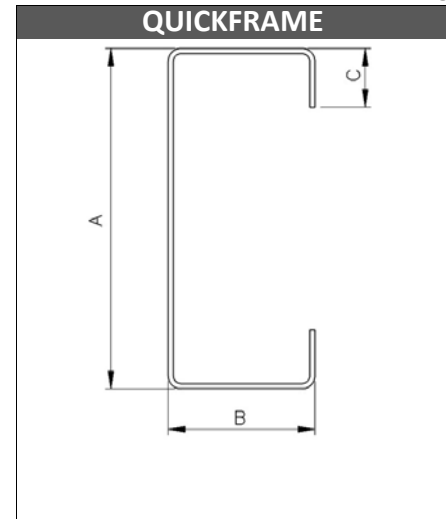
MARINO\WARE PART # 800QFH30097



PROPERTIES:

A. Web (in)	8	Yield Strength Fy (KSI)	50
B. Flange (in)	3	Tensile Strength Fu (KSI)	65
C. Lip (in)	1	Design Thickness (in)	0.1017
Mils	97	Minimum Thickness (in)	0.0966
Available Finish	G60, G90	Gauge	12

05.40.00 Cold-Formed Metal Framing



SECTION PROPERTIES

GROSS SECTION PROPERTIES

Cross Sectional Area: A (in ²)	1.55
Weight of Member: (lb/ft)	5.28
Moment of Inertia: Ix (in ⁴)	15.2
Section Modulus: Sx (in ³)	3.79
Radius of Gyration: Rx (in)	3.13
Moment of Inertia: Iy (in ⁴)	1.92
Section Modulus: Sy (in ³)	0.929
Radius of Gyration: Ry (in)	1.11

EFFECTIVE SECTION PROPERTIES - Unpunched

Moment of Inertia-Deflection: Ixe (in ⁴)	15.2
Section Modulus: Sxe (in ³)	3.68
Allowable Bending Moment: Max (in-k)	121
Allowable Bending Moment: Madx (in-k)	104
Moment of Inertia: Iye (in ⁴)	1.92
Section Modulus: Sye (in ³)	0.929
Allowable Bending Moment: Maly (in-k)	32.0
Allowable Bending Moment: Mady (in-k)	28.3
Allowable shear: Vag (k)	10,885

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	5.34
Torsional Warping Constant: Cw (in ⁶)	27.1
Shear Center to Centroid on Principal X-axis: Xo (in)	-2.27
Radius of Gyration on the Centroid Principal axis: Ro (in)	4.02
Torsional Flexural Constant: β = [1-(xo/Ro) ²]	0.681

* 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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