

Marino\WARE® Product Submittal Data

PRODUCT NAME: 250VT125-30

MARINO\WARE PART # 212VT30

PROPERTIES:

A. Web (in)	2-1/2	Yield Strength Fy (KSI)	33
B. Leg (in)	1-1/4	Design Thickness (in)	0.0312
Mils	30	Minimum Thickness (in)	0.0296
Finish	CP60	Gauge	20 DW

SECTION PROPERTIES

GROSS SECTION PROPERTIES

Weight of Member: (lb/ft)	0.530
Cross Sectional Area: A (in²)	0.156
Moment of Inertia: Ix (in⁴)	0.175
Section Modulus about the X-axis: Sx (in³)	0.132
Radius of Gyration: Rx (in)	1.060
Gross Moment of Inertia: Iy (in⁴)	0.025
Section Modulus about the Y-axis: Sy (in³)	0.0265
Gross Radius of Gyration: Ry (in)	0.397

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: Ixd (in⁴)	0.142
Section Modulus: Sxe (in³)	0.090
Allowable Moment: Ma (in-k)	1.770

TORSIONAL PROPERTIES

Shear Center to Centroid on Principal X-axis: Xo (in)	-0.760
St. Venant Torsional Constant: Jx10³ (in⁴)	0.0508
Torsional Warping Constant: Cw (in⁶)	0.030
Radius of Gyration on the Centroid Principal axis: Ro (in)	1.360
Torsional Flexural Constant: β = 1-(xo/Ro)²	0.689

CODES & STANDARDS

- Meets IBC 2015, 2018 & FBC 2017
- Meets or tested to: ASTM C 645, C 754, E 90, E 119 & AISI S220
- Steel sheet meets ASTM A 1003 & A 653
- Third Party Code Evaluation Report: CCRR-0154
- Multiple Fire Rated Assemblies

GREEN INFO

- LEED v3 & LEED v4 credits available
- Contact Technical Services for more information.



09.22.16 Non-Structural Metal Stud

