

Marino\WARE® Product Submittal Data

PRODUCT NAME: 250VT125-15

MARINO\WARE PART # 212VT25

PROPERTIES:

| | | | |
|--------------------|-------|--------------------------------|--------|
| A. Web (in) | 2-1/2 | Yield Strength Fy (KSI) | 50 |
| B. Leg (in) | 1-1/4 | Design Thickness (in) | 0.0155 |
| Mils | 15 | Minimum Thickness (in) | 0.0147 |
| Finish* | G40 | Gauge EQ | 25 |

*Or other ASTM A1003 Table 1 Coating

SECTION PROPERTIES

GROSS SECTION PROPERTIES

| | |
|--|--------|
| Weight of Member: (lb/ft) | 0.260 |
| Cross Sectional Area: A (in²) | 0.078 |
| Moment of Inertia: Ix (in⁴) | 0.086 |
| Section Modulus about the X-axis: Sx (in³) | 0.066 |
| Radius of Gyration: Rx (in) | 1.050 |
| Gross Moment of Inertia: Iy (in⁴) | 0.012 |
| Section Modulus about the Y-axis: Sy (in³) | 0.0133 |
| Gross Radius of Gyration: Ry (in) | 0.400 |

EFFECTIVE SECTION PROPERTIES

| | |
|---|-------|
| Moment of Inertia-Deflection: Ixd (in⁴) | 0.054 |
| Section Modulus: Sxe (in³) | 0.027 |
| Allowable Moment: Ma (in-k) | 0.800 |

TORSIONAL PROPERTIES

| | |
|---|--------|
| Shear Center to Centroid on Principal X-axis: Xo (in) | -0.768 |
| St. Venant Torsional Constant: Jx10³ (in⁴) | 0.0062 |
| Torsional Warping Constant: Cw (in⁶) | 0.015 |
| Radius of Gyration on the Centroid Principal axis: Ro (in) | 1.360 |
| Torsional Flexural Constant: β = 1-(xo/Ro)² | 0.683 |

CODES & STANDARDS

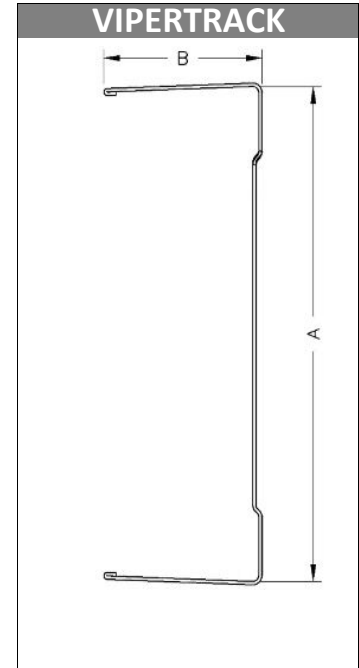
- Meets IBC 2009, 2012, 2015 & FBC 2017
- Meets or tested to: ASTM C 645, C 754, E 90, E 119 & AISI S220-11
- Galvanized steel sheet meets ASTM A 1003 & A 653
- Third Party Code Evaluation Report: ICC ES ESR#2620
- Multiple Fire Rated Assemblies

GREEN INFO

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



09.22.16 Non-Structural Metal Stud



www.marinoware.com

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 1/30/2018.

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