

Marino\WARE® Product Submittal Data

PRODUCT NAME: 362T125-68

05.40.00 Cold-Formed Metal Framing

MARINO\WARE PART # 358ST14

PROPERTIES:

| | | | |
|-------------------------|--------|----------------------------------|--------|
| A. Web (in) | 3-5/8" | Yield Strength Fy (KSI) | 50 |
| B. Flange (in) | 1-1/4" | Tensile Strength Fu (KSI) | 65 |
| Mils | 68 | Design Thickness (in) | 0.0713 |
| Available Finish | G60 | Minimum Thickness (in) | 0.0677 |
| | | Gauge | 14 |

SECTION PROPERTIES

GROSS SECTION PROPERTIES

| | |
|---|-------|
| Cross Sectional Area: A (in ²) | 0.436 |
| Weight of Member: (lb/ft) | 1.48 |
| Moment of Inertia: Ix (in ⁴) | 0.921 |
| Section Modulus: Sx (in ³) | 0.475 |
| Radius of Gyration: Rx (in) | 1.454 |
| Gross Moment of Inertia: Iy (in ⁴) | 0.060 |
| Gross Radius of Gyration: Ry (in) | 0.370 |

EFFECTIVE SECTION PROPERTIES

| | |
|--|--------|
| Moment of Inertia-Deflection: Ix (in ⁴) | 0.907 |
| Section Modulus: Sx (in ³) | 0.427 |
| Allowable Bending Moment: Ma (in-k) | 12.780 |
| Allowable strong axis shear away from punch: Vag (lb) | 4703 |

TORSIONAL SECTION PROPERTIES

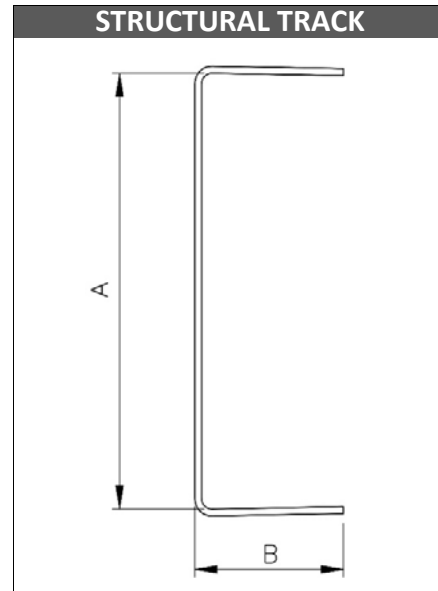
| | |
|---|--------|
| St. Venant Torsional Constant: Jx1000 (in ⁴) | 0.738 |
| Torsional Warping Constant: Cw (in ⁶) | 0.156 |
| Shear Center to Centroid on Principal X-axis: Xo (in) | -0.641 |
| Shear Center to Mid-Plane of the Web: m (in) | 0.399 |
| Radius of Gyration on the Centroid Principal axis: Ro (in) | 1.631 |
| Torsional Flexural Constant: β [1-(xo/Ro) ²] | 0.846 |

CODES & STANDARDS

- AISI S100-12 & ICC ES ESR-4062
- Meets IBC 2012, 2015 & FBC 2014
- Framing meets ASTM A 1003, A 653, C 645 & C 955

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 1/5/2017.
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