

Marino\WARE® Product Submittal Data

PRODUCT NAME: 400SR125-33

09 22 16 Non Structural Metal Stud

PROPERTIES:

Web (in.)	4	Yield Strength F_y (ksi)	40
Flange (in.)	1-1/4	Design Thickness (in.)	0.0346
Lip (in.)	1/4	Minimum Thickness (in.)	0.0329
Mils	33	Available Finish	G40, G60

SECTION PROPERTIES

NET SECTION PROPERTIES

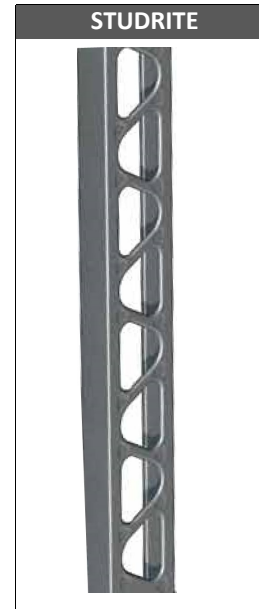
Cross Sectional Area: A (in ²)	0.184
Weight of Member: (lb/ft)	0.695
Moment of Inertia: I_x (in ⁴)	0.551
Section Modulus: S_x (in ³)	0.276
Radius of Gyration: r_x (in.)	1.73
Moment of Inertia: I_y (in ⁴)	0.0335
Radius of Gyration: r_y (in.)	0.427

NET EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: I_x (in ⁴)	0.541
Section Modulus: S_x (in ³)	0.247
Allowable Moment Local Buckling: M_{al} (in.-k)	5.92
Allowable Shear Force: V_{aNet} (lb)	237

TORSIONAL SECTION PROPERTIES

St. Venant Torsional Constant: Jx1000 (in ⁴)	0.0734
Torsional Warping Constant: C_w (in ⁶)	0.126
Distance From Shear Center To Centroid Principle x-axis x_o (in.)	-0.938
Distance From Shear Center to Mid-Plane of Web m (in.)	0.511
Radius of Gyration on the Centroid Principal axis: r_o (in.)	2.01
$1 - (x_o/r_o)^2 = \beta$	0.783
Critical Unbraced Length, lateral torsional buckling not considered L_u (in.)	24.9



CODES & STANDARDS

- Framing meets ASTM A 1003, A 653, & C 645
- Galvanized steel sheet meets ASTM A 1003, & A 653

GREEN INFO

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

Note: See StudRite Interior Partitions Flyer 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 4/12/2016
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