

Marino\WARE® Product Submittal Data

PRODUCT NAME: 162VS125-30

MARINO\WARE PART # 158VS30

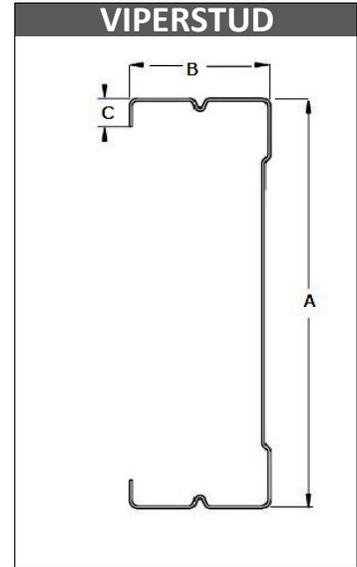


PROPERTIES:

A. Web (in)	1-5/8	Yield Strength Fy (KSI)	33
B. Flange (in)	1-1/4	Design Thickness (in)	0.0312
C. Lip (in)	1/4"	Minimum Thickness (in)	0.0296
Mils	30	Gauge	20 DW
Finish*	G40EQ		

* Or other ASTM A1003 Table 1 Coating

09.22.16 Non-Structural Metal Stud



SECTION PROPERTIES

GROSS SECTION PROPERTIES

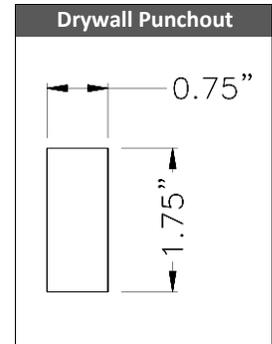
Weight of Member: (lb/ft)	0.460
Cross Sectional Area: A (in ²)	0.135
Moment of Inertia: I_x (in ⁴)	0.062
Radius of Gyration: R_x (in)	0.680
Gross Moment of Inertia: I_y (in ⁴)	0.028
Gross Radius of Gyration: R_y (in)	0.455

EFFECTIVE SECTION PROPERTIES

Moment of Inertia-Deflection: I_x (in ⁴)	0.062
Section Modulus: S_x (in ³)	0.067

MOMENTS

Allowable Bending Moment: Ma (in-k)	1.320
Local Buckling Nominal Moment: Mnl (in-k)	2.210
Distortional Buckling Moment: Mnd (in-k)	2.380



LIMITING HEIGHTS - COMPOSITE (ft-in)

Spacing (in)	5 psf			7.5 psf			10 psf		
	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
12	14-7	11-6	10-0	12-9	10-0	8-6	11-7	8-11	-
16	13-3	10-5	8-11	11-7	8-11	-	10-6	7-10	-
24	11-7	8-11	-	10-1	-	-	8-10	-	-

1. Gypsum must be vertically oriented, applied full height to both sides, and fastened to each stud and track flange
2. Acceptable wallboards are 5/8" type X from: USG, National, GP, Pabco, American, Continental & CertainTeed.
3. No screws are required between stud and track, except as required by ASTM C754.
4. See CCRR-0154 for additional information. Review fire related assemblies for any additional requirements

CODES & STANDARDS

- Meets IBC 2015, 2018 & FBC 2020
- ASTM C 645, C 754, E 90, E 119, & AISI S220
- Steel sheet meets ASTM A 1003 or A 653
- Third Party Code Evaluation Report: CCRR-1054
- Multiple Fire Rated Assemblies

GREEN INFO

- 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 4/2/22.

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