

Marino\WARE® Product Submittal Data

PRODUCT NAME: 162VS125-15

MARINO\WARE PART # 158VS25

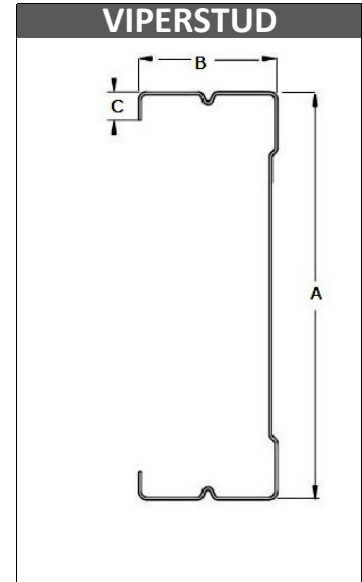


PROPERTIES:

A. Web (in)	1-5/8"	Yield Strength Fy (KSI)	50
B. Flange (in)	1-1/4"	Design Thickness (in)	0.0155
C. Lip (in)	1/4"	Minimum Thickness (in)	0.0147
Mils	15	Gauge EQ	25
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)	0.240
Cross Sectional Area: A (in ²)	0.071
Moment of Inertia: Ix (in ⁴)	0.032
Radius of Gyration: Rx (in)	0.671
Gross Moment of Inertia: Iy (in ⁴)	0.015
Gross Radius of Gyration: Ry (in)	0.461

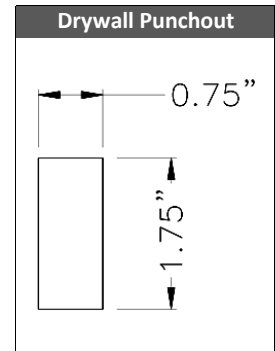
EFFECTIVE SECTION PROPERTIES¹

Moment of Inertia-Deflection: Ix (in ⁴)	0.032
Section Modulus: Sx (in ³)	0.024

MOMENTS¹

Allowable Bending Moment: Ma (in-k)	0.660
Local Buckling Nominal Moment: Mnl (in-k)	1.420
Distortional Buckling Nominal Moment: Mnd (in-k)	1.200

Note 1. Tested values



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	13-9	11-4	9-10	12-0	9-11	8-3	10-11	8-10	--
16	12-6	10-4	8-8	10-11	8-10	--	9-11	7-11	--
24	10-11	8-10	--	9-5	--	--	8-2	--	--

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-0154
- 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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