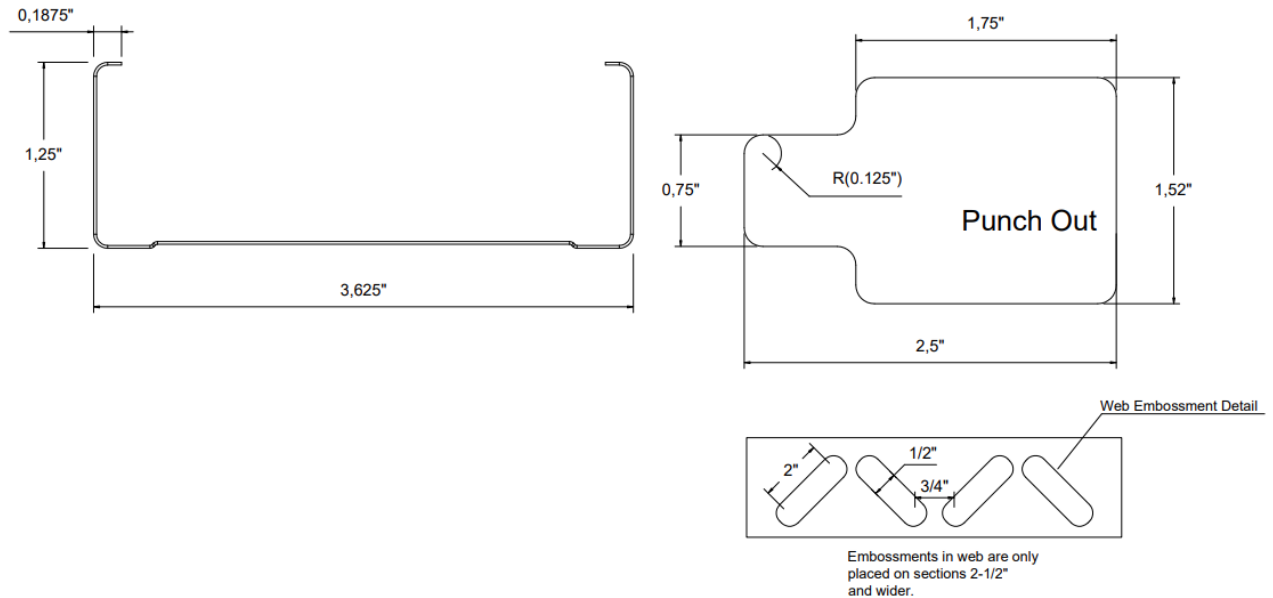


Product Type: Drywall Stud

Product Definition: 362S125-18 33ksi

CSI Code: 09.22.16.13



Profile Properties:

Web Depth	3,625 in
Flange Width	1,250 in
Stiffening Lip	0,1875 in
Design Thickness	0,0188 in
Minimum Thickness	0,0179 in

Yield Strength:	33 ksi
Unit Weight	0,40 lb/ft
Punchout Width / Length	Please see figure
Finish	G40
Color Coding	

Gross Section Properties:

Cross Sectional Area	Agross	0,1185 in ²
Moment of Inertia, x-axis	Ix	0,2357 in ⁴
Radius of Gyration, x-axis	rx	1,4102 in
Moment of Inertia, y-axis	Iy	0,0202 in ⁴
Radius of Gyration, y-axis	ry	0,4133 in

Torsional Properties:

St. Venant Torsion Constant	J x 1000	0,0139 in ⁴
Warping Constant	Cw	0,0500 in ⁶
Distance Between Shear Axis and Neutral Axis	x0	-0,7500 in
Polar Radius of Gyration	r0	1,6499 in
Torsional Flexural Constant	β	0,7777
Limit of Unbraced Length	Lu	33,20 in

Effective Section Properties:

Effective Area	A _{eff}	0,1115 in ²
Effective Moment of Inertia for Deflection	I _{xe}	0,2151 in ⁴
Effective Section Modulus	S _{xe}	0,1124 in ³
Allowable Bending Moment	M _a	1,8893 in.k
Allowable Shear Force	V _{ag}	174 lbs

Codes & Standards:

- Calculations are based on AISI S220-20 and AISI S100-16.
- Complies with IBC2021, ASTM C645, ASTM C754, ASTM A653, ASTM A1003, ASTM E72
- Intertek Certificate of Compliance No: COC-WHI23-37729201
- LEED / Sustainability Credits: Environmental Product Declaration S-P Code: S-P-00869

Limiting Heights, Non Composite (ft-in):

Profile	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' 1"	14' 1"	12' 7"	11' 8"	11' 8"	11' 0"	10' 2"	10' 2"	10' 0"
16	12' 4"	12' 4"	11' 5"	10' 2"	10' 2"	10' 0"	8' 10"	8' 10"	8' 10"
24	10' 2"	10' 2"	10' 0"	8' 4"	8' 4"	8' 4"	7' 2"	7' 2"	7' 2"

- Heights are based on AISI S220-20 and AISI S100-16, using steel properties alone.
- Above listed Non-Composite Limiting Heights are applicable when the unbraced length is less than or equal to L_u. Heights are limited by moment, deflection and shear.

Limiting Heights, Composite – Fully Braced (ft-in):

Profile	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	18' 8"	16' 8"	14' 7"	15' 3"	14' 7"	12' 9"	13' 2"	13' 2"	11' 6"
16	16' 2"	15' 2"	13' 3"	13' 2"	13' 2"	11' 6"	11' 5"	11' 5"	10' 4"
24	13' 2"	13' 2"	11' 6"	10' 9"	10' 9"	9' 11"	9' 4"	9' 4"	8' 11"

- The composite limiting heights are taken from ASTM C754-20 and based on a single layer of 5/8" Type X gypsum board to each stud flange.
- The gypsum board must be applied full height in the vertical orientation in accordance with ASTM C754 using minimum No. 6 Type S Drywall screws.
- Screws shall be spaced a maximum of 16 in on-center to framing members (including top & bottom track) spaced at 16 in or 12 in on-center.
- Screws shall be spaced a maximum of 12 in on-center to framing members (including top & bottom track) spaced at 24 in on-center.
- No fasteners are required for attaching the stud to the track except as detailed in ASTM C754.
- Stud end bearing must be a minimum of 1 inch.