

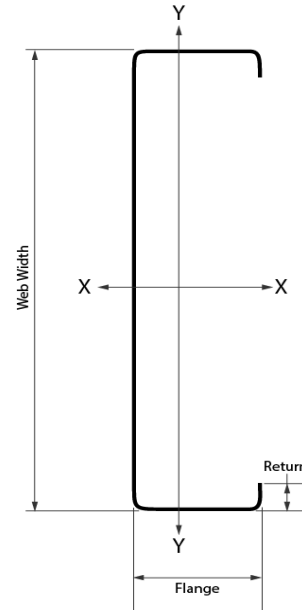
"S" - STUD, 30 MIL (20 GA), 1 -1/4" FLANGE, NONSTRUCTURAL

Product Information

The nonstructural 30 mil "S" stud is fabricated from prime mill certified steel in standard web widths with a true galvanized coating.

Steel Material Properties

30 MIL	Labeled Thickness
0.0312"	Design Thickness
0.0296"	Minimum Thickness
33 ksi	Yield Strength
45 ksi	Tensile Strength
G40	Galvanize Coating Thickness
Red	Color Code (Painted Ends)



LEED - Possible Points for Certification

SCAFCO materials have a high inherent recycled content and can be used in achieving Leadership in Energy & Environmental Design (LEED) Certification.

- ♦ LEED MR 2.1 & 2.2: Construction Waste Management (2 Possible Points)
- ♦ LEED MR Credit 4.1 & 4.2: Recycled Content (2 Possible Points)
- ♦ LEED MR Credit 5.1 & 5.2: Regional Materials (2 Possible Points)

Recycled Content of Steel

- ♦ 9.4% - Pre-Consumer Scrap Recycled Content
- ♦ 24.3% - Post-Consumer Scrap Recycled Content
- ♦ 33.7% - Total Recycled Content

Dimensional Properties

Web Widths: 1-5/8", 2-1/2", 3-1/2", 3-5/8", 4", 5-1/2", 6", 8"
Flange Height: 1-1/4"
Return Length: 3/16"

ASTM and AISI Code Standards

- ♦ ASTM A653/A653M, A924/A924M, A1003, C645, C754
- ♦ NASPEC 2007 Edition S100-07 (Supplement S2-10 for IBC 2012)
- ♦ IBC 2009, IBC 2012, and CBC 2010

SCAFCO Technical Services

For additional information, visit www.SCAFCO.com or call technical services at 509-343-9000 or technical@SCAFCO.com

Non-Composite Interior Wall Limiting Heights

Section	5 PSF Surface Load - Interior Only								
	Deflection - L/120			Deflection - L/240			Deflection - L/360		
	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc	12" oc	16" oc	24" oc
162S125-30	11' 8"	10' 7"	8' 11"	9' 3"	8' 5"	7' 4"	8' 1"	7' 4"	6' 5"
250S125-30	16' 1"	14' 5"	11' 10"	12' 9"	11' 7"	10' 2"	11' 2"	10' 2"	8' 10"
350S125-30	19' 11"	17' 3"	14' 1"	16' 7"	15' 0"	13' 2"	14' 6"	13' 2"	11' 6"
362S125-30	20' 3"	17' 7"	14' 4"	17' 0"	15' 6"	13' 6"	14' 10"	13' 6"	11' 10"
400S125-30	21' 5"	18' 6"	15' 2"	18' 5"	16' 8"	14' 7"	16' 1"	14' 7"	12' 9"
550S125-30	25' 8"	22' 3"	18' 2"	23' 9"	21' 6"	18' 2"	20' 10"	18' 11"	16' 6"
600S125-30	26' 10"	23' 3"	18' 11"	25' 2"	22' 11"	18' 11"	22' 0"	20' 0"	17' 6"

Notes: "e" web stiffeners required at ends.

Section Properties - Nonstructural Stud

Section	Gross Properties							Effective and Distortional Properties							Torsional Properties					Lu (in)
	Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	S _x (in ³)	R _x (in)	I _y (in ⁴)	R _y (in)	I _{xe} (in ⁴)	S _{xe} (in ³)	Mal (in-k)	Mad (in-k)	V _{ag} (lb)	V _{aNet} (lb)	J _{x1000} (in ⁴)	C _w (in ⁶)	X _o (in)	m (in)	R _o (in)	β	
162S125-30	0.131	0.45	0.061	0.075	0.681	0.026	0.441	0.060	0.060	1.19	2.16	543	106	0.043	0.014	-1.014	0.585	1.298	0.390	29.2
250S125-30	0.159	0.54	0.161	0.129	1.008	0.030	0.433	0.159	0.110	2.17	3.49	832	378	0.052	0.037	-0.889	0.534	1.412	0.603	28.9
350S125-30	0.190	0.65	0.351	0.201	1.359	0.033	0.417	0.346	0.150	2.96	5.08	824	436	0.062	0.079	-0.784	0.487	1.624	0.767	28.6
362S125-30	0.194	0.66	0.381	0.210	1.402	0.033	0.415	0.376	0.156	3.08	5.29	794	449	0.063	0.086	-0.773	0.482	1.654	0.782	28.6
400S125-30	0.206	0.70	0.481	0.240	1.529	0.034	0.408	0.474	0.174	3.44	5.90	715	484	0.067	0.107	-0.741	0.467	1.748	0.820	28.5
550S125-30	0.252	0.86	1.031	0.375	2.021	0.037	0.384	0.996	0.286	5.65	8.26	512	512	0.082	0.224	-0.639	0.415	2.154	0.912	27.9
600S125-30	0.268	0.91	1.275	0.425	2.181	0.038	0.376	1.218	0.315	6.22	9.00	468	468	0.087	0.274	-0.611	0.401	2.296	0.929	27.6