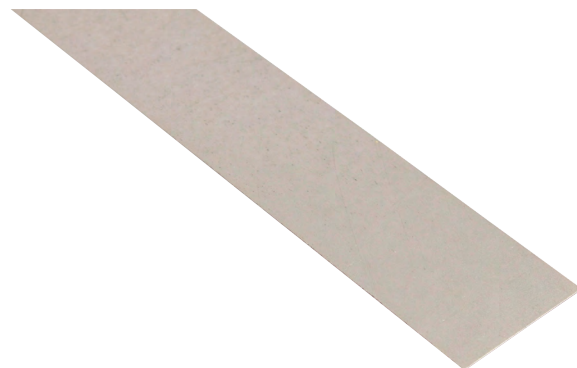


Flat Strap (18mil - 97mil)

Specification Section: 05.40.00 (Cold-Formed Metal Framing)

Coating: G40 coating is typically supplied for lighter-gauge products, with G60 coating available for heavier gauges. G90 coating is available upon request for select products and applications.

SUPER STUD FLAT STRAP is a cold-formed steel component used for bracing, tensioning, and reinforcing light-gauge steel framing assemblies. Flat Strap is commonly installed diagonally or longitudinally to resist in-plane loads, including wind and seismic forces, as required by the project design. Flat Strap is used in wall, ceiling, and floor assemblies and is installed in accordance with applicable codes, approved drawings, and project-specific engineering.



ALLOWABLE TENSILE CAPACITY OF STRAPS IN POUNDS

Item	width (inches)	Fy (ksi)	18 mil (25GA)	30 mil (DW 20GA)	33 mil (STR 20GA)	43 mil (18GA)	54 mil (16GA)	68 mil (14GA)	97 mil (12GA)
200FS	2"	33	743	1233	1367	1782	2237		
		50					3389	4269	6090
400FS	4"	33	1486	2466	2734	3564	4474		
		50					6778	8538	12180
600FS	6"	33	2229	3699	4101	5346	6711		
		50					10167	12807	18270
800FS	8"	33	2972	4932	5468	7128	8948		
		50					13557	17076	24360
1000FS	10"	33	3715	6165	6835	8910	11185		
		50					16945	21345	30450
1200FS	12"	33	4458	7398	8202	10692	13422		
		50					20334	25614	36540
1400FS	14"	33	5201	8631	9569	12474	15659		
		50					23723	29888	42630
1600FS	16"	33	5944	9864	10936	14256	17896		
		50					27112	34152	48720

CODES AND STANDARDS:

Super Stud/EB Metal US products comply with the applicable provisions of the following:

- International Building Code (IBC): 2006–2024
- AISI S100-16 (2020) w/S2-20
- Sheet Steel: ASTM A1003/A1003M; ASTM A653/A653M
- Galvanized Coating: ASTM A653/A653M

Structural Members:

- ASTM C955; AISI S240
- Installed per ASTM C1007

Additional Standards:

- AISI S201; AISI S202

3rd Party Certification

For LEED Letter requests please submit through:
www.buysuperstud.com or www.ebmetal.us

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