

Flat Strap

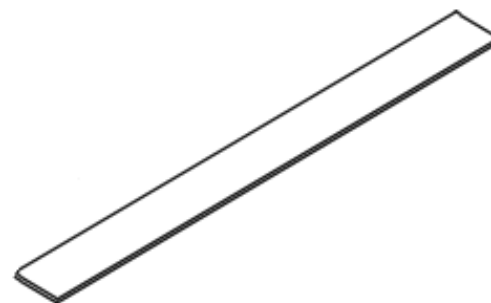
Flat strap can be used in a variety of applications. Flat strap is available in a full range of gauges, lengths, and yields.

Strap Width (in)	Yield Strength (ksi)	Tensile Strength (lbs)							
		Gauge							
		18	27	30	33	43	54	68	97
1	33	371	559	617	684	891	1118	1409	2010
2	33	743	1118	1233	1367	1782	2237	2818	4019
3	33	1114	1678	1850	2051	2674	3355	4227	6029
4	33	1486	2237	2466	2735	3565	4474	5636	8039
5	33	1857	2796	3083	3419	4456	5592	7045	10048
6	33	2229	3355	3699	4102	5347	6711	8454	12058
7	33	2600	3915	4316	4786	6238	7829	9862	14067
8	33	2972	4474	4932	5470	7130	8948	11271	16077
9	33	3343	5033	5549	6153	8021	10066	12680	18087
10	33	3715	5592	6165	6837	8912	11184	14089	20096
11	33	4086	6151	6782	7521	9803	12303	15498	22106
12	33	4458	6711	7398	8205	10694	13421	16907	24116

Steel Thickness

Mils	Gauge	Design	Thickness (in)	
			Minimum ¹	Color Code
15	25 EQ	0.0158	0.0150	Dark Gray
18	25	0.0188	0.0179	No Color
18	20 EQ	0.0190	0.0181	Brown
30	DW20	0.0312	0.0296	Pink
33	20	0.0346	0.0329	White
43	18	0.0451	0.0428	Yellow
54	16	0.0566	0.0538	Green
68	14	0.0713	0.0677	Orange
97	12	0.1017	0.0966	Red
118	10	0.1242	0.1180	Blue

¹ Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site based on AISI S100-16/S2-20.



General Notes

1. All delivered material must be kept dry, preferably by being stored inside a building under a roof. If it is necessary to store material outside, it must be stacked off the ground, properly supported on a level platform, and fully protected from the weather. Reference ASTM C 754 section 8 and ASTM C 1007 section 4.
2. Drywall framing [nonstructural 25 gauge, 22 gauge and 20 gauge] is not permitted in load bearing (i.e. axial load greater than 200 lbs.) or exterior applications (i.e. transverse load greater than 10 PSF). Reference ASTM C 645 section 3.2.2.

LEED Green Building Credits

MR Credit 2: Construction Waste Management – MBA steel framing is 100% recyclable.

MR Credit 4: Recycled Content – MBA steel framing is formed from no less than 25.5% post-consumer and 6.8% pre-consumer recycled content.

MR Credit 5: Regional Materials – MBA has manufacturing facilities in multiple states.

For more information, please call (888)-248-8076 or go to www.mbastuds.com

The information contained herein supersedes any and all previous information, effective 07/16/2025