

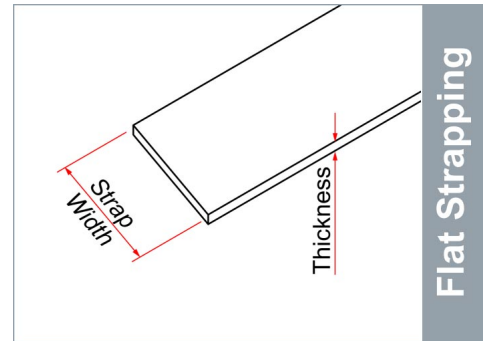
Product category: Flat Strapping
Product name: **400FS-54 (33ksi) (4" Flat Strapping)**
54mils (16ga)

05.40.00 (Cold-Formed Metal Framing)

Geometric Properties

Strap Width	4.000 in	Weight per foot	0.731 in
Design thickness	0.0566 in	Min. steel thickness	0.0538 in
Yield strength, Fy	33 ksi		

Standard material lengths: 10'-0" (Other lengths available by special order)



ASTM & Code Standards:

- Structural framing is produced to meet or exceed ASTM C955
- Drywall framing is produced to meet or exceed ASTM C645
- Galvanized sheet steel meets or exceeds requirements of A653 and A1003
- MSDS & Product Certification Information is available at www.clarkdietrich.com

Used in framing applications:

- Diagonal tension strapping
- Stud or joist bridging
- Backing plates

Flat strap load capacities (LBS):

		Tensile Values for Straps [Tn (lbs)]							
$\Omega = 1.67$		Thickness (mils) / Design Thickness / Gauge Reference							
Strap Width (in)	Yield Strength (ksi)	18	27	30	33	43	54	68	97
		0.0188	0.0283	0.0312	0.0346	0.0451	0.0566	0.0713	0.1017
		25	22	20 DW	20 STR	18	16	14	12
1	33	371	559	617	684	891	1118	1409	2010
	50	563	847	934	1036	1350	1695	2135	3045
2	33	743	1118	1233	1367	1782	2237	2818	4019
	50	1126	1695	1868	2072	2701	3389	4269	6090
3	33	1114	1678	1850	2051	2674	3355	4227	6029
	50	1689	2542	2802	3108	4051	5084	6404	9135
4	33	1486	2237	2466	2735	3565	4474	5636	8039
	50	2251	3389	3737	4144	5401	6778	8539	12180
5	33	1857	2796	3083	3419	4456	5592	7045	10048
	50	2814	4237	4671	5180	6751	8473	10674	15225
6	33	2229	3355	3699	4102	5347	6711	8454	12058
	50	3377	5084	5605	6216	8102	10168	12808	18269
7	33	2600	3915	4316	4786	6238	7829	9862	14067
	50	3940	5931	6539	7251	9452	11862	14943	21314
8	33	2972	4474	4932	5470	7130	8948	11271	16077
	50	4503	6778	7473	8287	10802	13557	17078	24359
9	33	3343	5033	5549	6153	8021	10066	12680	18087
	50	5066	7626	8407	9323	12153	15251	19213	27404
10	33	3715	5592	6165	6837	8912	11184	14089	20096
	50	5629	8473	9341	10359	13503	16946	21347	30449
11	33	4086	6151	6782	7521	9803	12303	15498	22106
	50	6192	9320	10275	11395	14853	18641	23482	33494
12	33	4458	6711	7398	8205	10694	13421	16907	24116
	50	6754	10168	11210	12431	16204	20335	25617	36539

Note: Load capacities do not include a 1/3 stress increase

Submittal Approvals for:

CD-STRAPPING © 09/08 ClarkDietrich Building Systems

Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax: