



LOAD & DEFLECTION TABLE

Bar Size	Approx. Weight per sq ft	Sec. Mod Per Ft. or Width	SPAN (Length of Bearing Bar)											
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"	8'-0"	
1" x 1/4"	6.3	0.267	U	889	569	395	290	222	176	142	118	99	73	56
	6.9		C	889	711	593	508	444	395	356	323	296	254	222
1" x 5/16"	8.6	0.333	U	1,111	711	494	363	278	219	178	147	123	91	69
	10.1		C	1,111	889	741	635	556	494	444	404	370	317	278
1" x 3/8"	10.0	0.400	U	1,333	853	593	435	333	263	213	176	148	109	83
	11.5		C	1,333	1,067	889	762	667	593	533	485	444	381	333
1-1/4" x 1/4"	7.7	0.417	U	1,389	889	617	454	347	274	222	184	154	113	87
	8.3		C	1,389	1,111	926	794	694	617	556	505	463	397	347
1-1/4" x 5/16"	10.4	0.521	U	1,736	1,111	772	567	434	343	278	230	193	142	109
	11.9		C	1,736	1,389	1,157	992	868	772	694	631	579	496	434
1-1/4" x 3/8"	12.1	0.625	U	2,083	1,333	926	680	521	412	333	275	231	170	130
	13.6		C	2,083	1,667	1,389	1,190	1,042	926	833	758	694	595	521
1-1/2" x 1/4"	9.1	0.600	U	2,000	1,280	889	653	500	395	320	264	222	163	125
	9.6		C	2,000	1,600	1,333	1,143	1,000	889	800	727	667	571	500
1-1/2" x 5/16"	12.1	0.750	U	2,500	1,600	1,111	816	625	494	400	331	278	204	156
	13.6		C	2,500	2,000	1,667	1,429	1,250	1,111	1,000	909	833	714	625
1-1/2" x 3/8"	14.3	0.900	U	3,000	1,920	1,333	980	750	593	480	397	333	245	188
	15.8		C	3,000	2,400	2,000	1,714	1,500	1,333	1,200	1,091	1,000	857	750
1-3/4" x 1/4"	10.6	0.817	U	2,722	1,742	1,210	889	681	538	436	360	302	222	170
	11.2		C	2,722	2,178	1,815	1,556	1,361	1,210	1,089	990	907	778	681
1-3/4" x 5/16"	13.9	1.021	U	3,403	2,178	1,512	1,111	851	672	544	450	378	278	213
	15.4		C	3,403	2,722	2,269	1,944	1,701	1,512	1,361	1,237	1,134	972	851
1-3/4" x 3/8"	16.4	1.225	U	4,083	2,613	1,815	1,333	1,021	807	653	540	454	333	255
	17.9		C	4,083	3,267	2,722	2,333	2,042	1,815	1,633	1,485	1,361	1,167	1,021
2" x 1/4"	12.0	1.067	U	3,556	2,276	1,580	1,161	889	702	569	470	395	290	222
	12.6		C	3,556	2,844	2,370	2,032	1,778	1,580	1,422	1,293	1,185	1,016	889
2" x 5/16"	15.7	1.333	U	4,444	2,844	1,975	1,451	1,111	878	711	588	494	363	278
	17.2		C	4,444	3,556	2,963	2,540	2,222	1,975	1,778	1,616	1,481	1,270	1,111
2" x 3/8"	18.5	1.600	U	5,333	3,413	2,370	1,741	1,333	1,053	853	705	593	435	333
	20.0		C	5,333	4,267	3,556	3,048	2,667	2,370	2,133	1,939	1,778	1,524	1,333
2-1/4" x 1/4"	13.4	1.350	U	4,500	2,880	2,000	1,469	1,125	889	720	595	500	367	281
	14.0		C	4,500	3,600	3,000	2,571	2,250	2,000	1,800	1,636	1,500	1,286	1,125
2-1/4" x 5/16"	17.5	1.688	U	5,625	3,600	2,500	1,837	1,406	1,111	900	744	625	459	352
	19.0		C	5,625	4,500	3,750	3,214	2,813	2,500	2,250	2,045	1,875	1,607	1,406
2-1/4" x 3/8"	20.6	2.025	U	6,750	4,320	3,000	2,204	1,688	1,333	1,080	893	750	551	422
	22.1		C	6,750	5,400	4,500	3,857	3,375	3,000	2,700	2,455	2,250	1,929	1,688
2-1/2" x 1/4"	14.8	1.667	U	5,556	3,556	2,469	1,814	1,389	1,097	889	735	617	454	347
	15.4		C	5,556	4,444	3,704	3,175	2,778	2,469	2,222	2,020	1,852	1,587	1,389
2-1/2" x 5/16"	19.2	2.083	U	6,944	4,444	3,086	2,268	1,736	1,372	1,111	918	772	567	434
	20.7		C	6,944	5,556	4,630	3,968	3,472	3,086	2,778	2,525	2,315	1,984	1,736
2-1/2" x 3/8"	22.8	2.500	U	8,333	5,333	3,704	2,721	2,083	1,646	1,333	1,102	926	680	521
	24.3		C	8,333	6,667	5,556	4,762	4,167	3,704	3,333	3,030	2,778	2,381	2,083
2-3/4" x 1/4"	17.1	2.017	U	6,722	4,302	2,988	2,195	1,681	1,328	1,076	889	747	549	420
	18.6		C	6,722	5,378	4,481	3,841	3,361	2,988	2,689	2,444	2,241	1,921	1,681
2-3/4" x 5/16"	21.6	2.521	U	8,403	5,378	3,735	2,744	2,101	1,660	1,344	1,111	934	686	525
	23.6		C	8,403	6,722	5,602	4,802	4,201	3,735	3,361	3,056	2,801	2,401	2,101
2-3/4" x 3/8"	25.4	3.025	U	10,083	6,453	4,481	3,293	2,521	1,992	1,613	1,333	1,120	823	630
	27.5		C	10,083	8,067	6,722	5,762	5,042	4,481	4,033	3,667	3,361	2,881	2,521

LOAD TABLE

Bar Size	Approx. Weight per sq ft	Brc. Mod Per Ft. or width	SPAN (Length of Bearing Bar)	SPAN (Length of Bearing Bar)											
				2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"	8'-0"	
3" x 1/4"	18.6	2.400	U	8.000	5.120	3.556	2.612	2.000	1.580	1.280	1.058	889	653	500	
	20.1		C	8.000	6.400	5.333	4.571	4.000	3.556	3.200	2.909	2.667	2.286	2.000	
3" x 5/16"	23.3	3.000	U	10.000	6.400	4.444	3.265	2.500	1.975	1.600	1.322	1.111	816	625	
	25.4		C	10.000	8.000	6.667	5.714	5.000	4.444	4.000	3.636	3.333	2.857	2.500	
3" x 3/8"	27.5	3.600	U	12.000	7.680	5.333	3.918	3.000	2.370	1.920	1.587	1.333	980	750	
	29.6		C	12.000	9.600	8.000	6.857	6.000	5.333	4.800	4.364	4.000	3.429	3.000	
3-1/4" x 1/4"	20.0	2.817	U	9.389	6.009	4.173	3.066	2.347	1.855	1.502	1.242	1.043	766	587	
	21.5		C	9.389	7.511	6.259	5.365	4.694	4.173	3.756	3.414	3.130	2.683	2.347	
3-1/4" x 5/16"	25.1	3.521	U	11.736	7.511	5.216	3.832	2.934	2.318	1.878	1.552	1.304	958	734	
	27.1		C	11.736	9.389	7.824	6.706	5.868	5.216	4.694	4.268	3.912	3.353	2.934	
3-1/4" x 3/8"	29.7	4.225	U	14.083	9.013	6.259	4.599	3.521	2.782	2.253	1.862	1.565	1.150	880	
	31.7		C	14.083	11.267	9.389	8.048	7.042	6.259	5.633	5.121	4.694	4.024	3.521	
3-1/2" x 1/4"	21.4	3.267	U	10.889	6.969	4.840	3.556	2.722	2.151	1.742	1.440	1.210	889	681	
	22.9		C	10.889	8.711	7.259	6.222	5.444	4.840	4.356	3.960	3.630	3.111	2.722	
3-1/2" x 5/16"	26.9	4.083	U	13.611	8.711	6.049	4.444	3.403	2.689	2.178	1.800	1.512	1.111	851	
	28.9		C	13.611	10.899	9.074	7.778	6.806	6.049	5.444	4.949	4.537	3.889	3.403	
3-1/2" x 3/8"	31.8	4.900	U	16.333	10.453	7.259	5.333	4.083	3.226	2.613	2.160	1.815	1.333	1.021	
	33.8		C	16.333	13.067	10.899	9.333	8.167	7.259	6.533	5.939	5.444	4.667	4.083	
4" x 1/4"	24.2	4.267	U	14.222	9.102	6.321	4.644	3.556	2.809	2.276	1.881	1.580	1.161	889	
	25.7		C	14.222	11.378	9.481	8.127	7.111	6.321	5.689	5.172	4.741	4.063	3.556	
4" x 5/16"	30.4	5.333	U	17.778	11.378	7.901	5.805	4.444	3.512	2.844	2.351	1.975	1.451	1.111	
	32.5		C	17.778	14.222	11.852	10.159	8.889	7.901	7.111	6.465	5.926	5.079	4.444	
4" x 3/8"	36.0	6.400	U	21.333	13.653	9.481	6.966	5.333	4.214	3.413	2.821	2.370	1.741	1.333	
	38.1		C	21.333	17.067	14.222	12.190	10.667	9.481	8.533	7.758	7.111	6.095	5.333	
4-1/2" x 1/4"	27.1	5.400	U	18.000	11.520	8.000	5.878	4.500	3.556	2.880	2.380	2.000	1.469	1.125	
	28.6		C	18.000	14.400	12.000	10.286	9.000	8.000	7.200	6.545	6.000	5.143	4.500	
4-1/2" x 5/16"	34.0	6.750	U	22.500	14.400	10.000	7.347	5.625	4.444	3.600	2.975	2.500	1.837	1.406	
	36.0		C	22.500	18.000	15.000	12.857	11.250	10.000	9.000	8.182	7.500	6.429	5.625	
4-1/2" x 3/8"	40.3	8.100	U	27.000	17.280	12.000	8.816	6.750	5.333	4.320	3.570	3.000	2.204	1.688	
	42.3		C	27.000	21.600	18.000	15.429	13.500	12.000	10.800	9.818	9.000	7.714	6.750	
5" x 1/4"	29.9	6.667	U	22.222	14.222	9.877	7.256	5.556	4.390	3.556	2.938	2.469	1.814	1.389	
	31.4		C	22.222	17.778	14.815	12.698	11.111	9.877	8.889	8.081	7.407	6.349	5.556	
5" x 5/16"	37.5	8.333	U	27.778	17.778	12.346	9.070	6.944	5.487	4.444	3.673	3.086	2.268	1.736	
	39.6		C	27.778	22.222	18.519	15.873	13.889	12.346	11.111	10.101	9.259	7.937	6.944	
5" x 3/8"	44.5	10.000	U	33.333	21.333	14.815	10.884	8.333	6.584	5.333	4.408	3.704	2.721	2.083	
	46.6		C	33.333	26.667	22.222	19.048	16.667	14.815	13.333	12.121	11.111	9.524	8.333	
6" x 1/4"	35.6	9.600	U	32.000	20.480	14.222	10.449	8.000	6.321	5.120	4.231	3.556	2.612	2.000	
	37.1		C	32.000	25.600	21.333	18.286	16.000	14.222	12.800	11.636	10.667	9.143	8.000	
6" x 5/16"	44.6	12.000	U	40.000	25.600	17.778	13.061	10.000	7.901	6.400	5.289	4.444	3.265	2.500	
	46.7		C	40.000	32.000	26.667	22.857	20.000	17.778	16.000	14.545	13.333	11.429	10.000	
6" x 3/8"	53.0	14.400	U	48.000	30.720	21.333	15.673	12.000	9.481	7.680	6.347	5.333	3.918	3.000	
	55.1		C	48.000	38.400	32.000	27.429	24.000	21.333	19.200	17.455	16.000	13.714	12.000	

PANEL WIDTH (inches)

Note: H-Heavy Duty cross rods may extend 1/8" each side. Panel widths do not include these extensions.

No. of Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1/4" Bar	2 1/8	4	5 7/8	7 3/4	9 5/8	11 1/2	13 3/8	15 1/4	17 1/8	19	20 7/8	22 3/4	24 5/8	26 1/2	28 3/8	30 1/4	32 1/8	34	35 7/8
5/16" Bar	2 3/16	4 1/16	5 15/16	7 13/16	9 11/16	11 9/16	13 7/16	15 5/16	17 9/16	19 1/16	20 15/16	22 13/16	24 11/16	26 9/16	28 7/16	30 5/16	32 3/16	34 1/16	35 15/16
3/8" Bar	2 1/4	4 1/8	6	7 7/8	9 3/4	11 5/8	13 1/2	15 3/8	17 1/4	19 1/8	21	22 7/8	24 3/4	26 5/8	28 1/2	30 3/8	32 1/4	34 1/8	36