



## LOAD & DEFLECTION TABLE

Bar Size	Approx. Weight per sq. ft.	Sec. 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"
1" x 1/4"	5.2	0.211	U	702	449	312	229	175	139	112	93	78	57	44
	5.8		C	702	561	468	401	351	312	281	255	234	201	175
1" x 5/16"	7.2	0.263	U	877	561	390	286	219	173	140	116	97	72	55
	8.7		C	877	702	585	501	439	390	351	319	292	251	219
1" x 3/8"	8.3	0.316	U	1,053	674	468	344	263	208	168	139	117	86	66
	9.8		C	1,053	842	702	602	526	468	421	383	351	301	263
1-1/4" x 1/4"	6.3	0.329	U	1,096	702	487	358	274	217	175	145	122	90	69
	6.9		C	1,096	877	731	627	548	487	439	399	365	313	274
1-1/4" x 5/16"	8.6	0.411	U	1,371	877	609	448	343	271	219	181	152	112	86
	10.1		C	1,371	1,096	914	783	685	609	548	498	457	392	343
1-1/4" x 3/8"	10.0	0.493	U	1,645	1,053	731	537	411	325	263	217	183	134	103
	11.5		C	1,645	1,316	1,096	940	822	731	658	598	548	470	411
1-1/2" x 1/4"	7.4	0.474	U	1,579	1,011	702	516	395	312	253	209	175	129	99
	7.9		C	1,579	1,263	1,053	902	789	702	632	574	526	451	395
1-1/2" x 5/16"	10.0	0.592	U	1,974	1,263	877	644	493	390	316	261	219	161	123
	11.5		C	1,974	1,579	1,316	1,128	987	877	789	718	658	564	493
1-1/2" x 3/8"	11.7	0.711	U	2,368	1,516	1,053	773	592	468	379	313	263	193	148
	13.2		C	2,368	1,895	1,579	1,353	1,184	1,053	947	861	789	677	592
1-3/4" x 1/4"	8.6	0.645	U	2,149	1,375	955	702	537	425	344	284	239	175	134
	9.2		C	2,149	1,719	1,433	1,228	1,075	955	860	781	716	614	537
1-3/4" x 5/16"	11.4	0.806	U	2,686	1,719	1,194	877	672	531	430	355	298	219	168
	12.9		C	2,686	2,149	1,791	1,535	1,343	1,194	1,075	977	895	788	672
1-3/4" x 3/8"	13.4	0.967	U	3,224	2,063	1,433	1,053	806	637	516	426	358	263	201
	14.9		C	3,224	2,579	2,149	1,842	1,612	1,433	1,289	1,172	1,075	921	806
2" x 1/4"	9.7	0.842	U	2,807	1,796	1,248	917	702	554	449	371	312	229	175
	10.3		C	2,807	2,246	1,871	1,604	1,404	1,248	1,123	1,021	936	802	702
2" x 5/16"	12.9	1.053	U	3,509	2,246	1,559	1,146	877	693	561	464	390	286	219
	14.4		C	3,509	2,807	2,339	2,005	1,754	1,559	1,404	1,276	1,170	1,003	877
2" x 3/8"	15.1	1.263	U	4,211	2,695	1,871	1,375	1,053	832	674	557	468	344	263
	16.6		C	4,211	3,368	2,807	2,406	2,105	1,871	1,684	1,531	1,404	1,203	1,053
2-1/4" x 1/4"	10.8	1.066	U	3,553	2,274	1,579	1,160	888	702	568	470	395	290	222
	11.5		C	3,553	2,842	2,368	2,030	1,776	1,579	1,421	1,292	1,184	1,015	888
2-1/4" x 5/16"	14.3	1.332	U	4,441	2,842	1,974	1,450	1,110	877	711	587	493	363	278
	15.8		C	4,441	3,553	2,961	2,538	2,220	1,974	1,776	1,615	1,480	1,269	1,110
2-1/4" x 3/8"	16.8	1.599	U	5,329	3,411	2,368	1,740	1,332	1,053	853	705	592	435	333
	18.3		C	5,329	4,263	3,553	3,045	2,664	2,368	2,132	1,938	1,776	1,523	1,332
2-1/2" x 1/4"	12.0	1.316	U	4,386	2,807	1,949	1,432	1,096	866	702	580	487	358	274
	12.6		C	4,386	3,509	2,924	2,506	2,193	1,949	1,754	1,595	1,462	1,253	1,096
2-1/2" x 5/16"	15.7	1.645	U	5,482	3,509	2,437	1,790	1,371	1,083	877	725	609	448	343
	17.2		C	5,482	4,386	3,655	3,133	2,741	2,437	2,193	1,994	1,827	1,566	1,371
2-1/2" x 3/8"	18.5	1.974	U	6,579	4,211	2,924	2,148	1,645	1,300	1,053	870	731	537	411
	20.0		C	6,579	5,263	4,386	3,759	3,289	2,924	2,632	2,392	2,193	1,880	1,645
2-3/4" x 1/4"	14.0	1.592	U	5,307	3,396	2,359	1,733	1,327	1,048	849	702	590	433	332
	15.5		C	5,307	4,246	3,538	3,033	2,654	2,359	2,123	1,930	1,769	1,516	1,327
2-3/4" x 5/16"	17.7	1.990	U	6,634	4,246	2,948	2,166	1,658	1,310	1,061	877	737	542	415
	19.7		C	6,634	5,307	4,423	3,791	3,317	2,948	2,654	2,412	2,211	1,895	1,658
2-3/4" x 3/8"	20.7	2.388	U	7,961	5,095	3,538	2,599	1,990	1,572	1,274	1,053	885	650	498
	22.8		C	7,961	6,368	5,307	4,549	3,980	3,538	3,184	2,895	2,654	2,274	1,990

# LOAD TABLE

Bar Size	Approx. Weight per ft.	Sec. Mod. of Inertia	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"	15.1	1.895	U	6,316	4,042	2,807	2,062	1,579	1,248	1,011	835	702	516	395
	16.7		C	6,316	5,053	4,211	3,609	3,158	2,807	2,526	2,297	2,105	1,805	1,579
3" x 5/16"	19.1	2.368	U	7,895	5,053	3,509	2,578	1,974	1,559	1,263	1,044	877	644	493
	21.1		C	7,895	6,316	5,263	4,511	3,947	3,509	3,158	2,871	2,632	2,256	1,974
3" x 3/8"	22.4	2.842	U	9,474	6,063	4,211	3,093	2,368	1,871	1,516	1,253	1,053	773	592
	24.5		C	9,474	7,579	6,316	5,414	4,737	4,211	3,789	3,445	3,158	2,707	2,368
3-1/4" x 1/4"	16.3	2.224	U	7,412	4,744	3,294	2,420	1,853	1,464	1,186	980	824	605	463
	17.8		C	7,412	5,930	4,942	4,236	3,706	3,294	2,965	2,695	2,471	2,118	1,853
3-1/4" x 5/16"	20.5	2.780	U	9,265	5,930	4,118	3,025	2,316	1,830	1,482	1,225	1,029	756	579
	22.5		C	9,265	7,412	6,177	5,294	4,633	4,118	3,706	3,369	3,088	2,647	2,316
3-1/4" x 3/8"	24.1	3.336	U	11,118	7,116	4,942	3,631	2,780	2,196	1,779	1,470	1,235	908	695
	26.2		C	11,118	8,895	7,412	6,353	5,559	4,942	4,447	4,043	3,706	3,177	2,780
3-1/2" x 1/4"	17.4	2.579	U	8,596	5,502	3,821	2,807	2,149	1,698	1,375	1,137	955	702	537
	18.9		C	8,596	6,877	5,731	4,912	4,298	3,821	3,439	3,126	2,865	2,456	2,149
3-1/2" x 5/16"	21.9	3.224	U	10,746	6,877	4,776	3,509	2,686	2,123	1,719	1,421	1,194	877	672
	24.0		C	10,746	8,596	7,164	6,140	5,373	4,776	4,298	3,907	3,582	3,070	2,686
3-1/2" x 3/8"	25.8	3.868	U	12,895	8,253	5,731	4,211	3,224	2,547	2,063	1,705	1,433	1,053	806
	27.9		C	12,895	10,316	8,596	7,368	6,447	5,731	5,158	4,689	4,298	3,684	3,224
4" x 1/4"	19.7	3.368	U	11,228	7,186	4,990	3,666	2,807	2,218	1,796	1,485	1,248	917	702
	21.2		C	11,228	8,982	7,485	6,416	5,614	4,990	4,491	4,083	3,743	3,208	2,807
4" x 5/16"	24.8	4.211	U	14,035	8,982	6,238	4,583	3,509	2,772	2,246	1,856	1,559	1,146	877
	26.8		C	14,035	11,228	9,357	8,020	7,018	6,238	5,614	5,104	4,678	4,010	3,509
4" x 3/8"	29.2	5.053	U	16,842	10,779	7,485	5,499	4,211	3,327	2,695	2,227	1,871	1,375	1,053
	31.3		C	16,842	13,474	11,228	9,624	8,421	7,485	6,737	6,124	5,614	4,812	4,211
4-1/2" x 1/4"	22.0	4.263	U	14,211	9,095	6,316	4,640	3,553	2,807	2,274	1,879	1,579	1,160	888
	23.5		C	14,211	11,368	9,474	8,120	7,105	6,316	5,684	5,167	4,737	4,060	3,553
4-1/2" x 5/16"	27.6	5.329	U	17,763	11,368	7,895	5,800	4,441	3,509	2,842	2,349	1,974	1,450	1,110
	29.6		C	17,763	14,211	11,842	10,150	8,882	7,895	7,105	6,459	5,921	5,075	4,441
4-1/2" x 3/8"	32.6	6.395	U	21,316	13,642	9,474	6,960	5,329	4,211	3,411	2,819	2,368	1,740	1,332
	34.7		C	21,316	17,053	14,211	12,180	10,658	9,474	8,526	7,751	7,105	6,090	5,329
5" x 1/4"	24.2	5.263	U	17,544	11,228	7,797	5,729	4,386	3,465	2,807	2,320	1,949	1,432	1,096
	25.7		C	17,544	14,035	11,696	10,025	8,772	7,797	7,018	6,380	5,848	5,013	4,386
5" x 5/16"	30.4	6.579	U	21,930	14,035	9,747	7,161	5,482	4,332	3,509	2,900	2,437	1,790	1,371
	32.5		C	21,930	17,544	14,620	12,531	10,965	9,747	8,772	7,974	7,310	6,266	5,482
5" x 3/8"	36.0	7.895	U	26,316	16,842	11,696	8,593	6,579	5,198	4,211	3,480	2,924	2,148	1,645
	38.1		C	26,316	21,053	17,544	15,038	13,158	11,696	10,526	9,569	8,772	7,519	6,579
6" x 1/4"	28.8	7.579	U	25,263	16,168	11,228	8,249	6,316	4,990	4,042	3,341	2,807	2,062	1,579
	30.3		C	25,263	20,211	16,842	14,436	12,632	11,228	10,105	9,187	8,421	7,218	6,316
6" x 5/16"	36.1	9.474	U	31,579	20,211	14,035	10,311	7,895	6,238	5,053	4,176	3,509	2,578	1,974
	38.1		C	31,579	25,263	21,053	18,045	15,789	14,035	12,632	11,483	10,526	9,023	7,895
6" x 3/8"	42.8	11.368	U	37,895	24,253	16,842	12,374	9,474	7,485	6,063	5,011	4,211	3,093	2,368
	44.9		C	37,895	30,316	25,263	21,654	18,947	16,842	15,158	13,780	12,632	10,827	9,474

## 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
1/4" Bar	2 <sup>5/8</sup>	5	7 <sup>3/8</sup>	9 <sup>3/4</sup>	12 <sup>1/8</sup>	14 <sup>1/2</sup>	16 <sup>7/8</sup>	19 <sup>1/4</sup>	21 <sup>5/8</sup>	24	26 <sup>3/8</sup>	28 <sup>3/4</sup>	31 <sup>1/8</sup>	33 <sup>1/2</sup>	35 <sup>7/8</sup>
5/16" Bar	2 <sup>11/16</sup>	5 <sup>1/16</sup>	7 <sup>7/16</sup>	9 <sup>13/16</sup>	12 <sup>3/16</sup>	14 <sup>9/16</sup>	16 <sup>15/16</sup>	19 <sup>5/16</sup>	21 <sup>11/16</sup>	24 <sup>1/16</sup>	26 <sup>7/16</sup>	28 <sup>13/16</sup>	31 <sup>3/16</sup>	33 <sup>9/16</sup>	35 <sup>15/16</sup>
3/8" Bar	2 <sup>3/4</sup>	5 <sup>1/8</sup>	7 <sup>1/2</sup>	9 <sup>7/8</sup>	12 <sup>1/4</sup>	14 <sup>5/8</sup>	17	19 <sup>3/8</sup>	21 <sup>3/4</sup>	24 <sup>1/8</sup>	26 <sup>1/2</sup>	28 <sup>7/8</sup>	31 <sup>1/4</sup>	33 <sup>5/8</sup>	36