



## 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"	9.4	0.421	U	1,404	898	624	458	351	277	225	186	156	115	88	
	10.0		C	1,404	1,123	936	802	702	624	561	510	468	401	351	
1" x 5/16"	12.5	0.526	U	1,754	1,123	780	573	439	347	281	232	195	143	110	
	14.0		C	1,754	1,404	1,170	1,003	877	780	702	638	585	501	439	
1" x 3/8"	14.7	0.632	U	2,105	1,347	936	687	526	416	337	278	234	172	132	
	16.2		C	2,105	1,684	1,404	1,203	1,053	936	842	766	702	602	526	
1-1/4" x 1/4"	11.6	0.658	U	2,193	1,404	975	716	548	433	351	290	244	179	137	
	12.2		C	2,193	1,754	1,462	1,253	1,096	975	877	797	731	627	548	
1-1/4" x 5/16"	15.2	0.822	U	2,741	1,754	1,218	895	685	541	439	362	305	224	171	
	16.8		C	2,741	2,193	1,827	1,566	1,371	1,218	1,096	997	914	783	685	
1-1/4" x 3/8"	18.0	0.987	U	3,289	2,105	1,462	1,074	822	650	526	435	365	269	206	
	19.5		C	3,289	2,632	2,193	1,880	1,645	1,462	1,316	1,196	1,096	940	822	
1-1/2" x 1/4"	13.8	0.947	U	3,158	2,021	1,404	1,031	789	624	505	418	351	258	197	
	14.3		C	3,158	2,526	2,105	1,805	1,579	1,404	1,263	1,148	1,053	902	789	
1-1/2" x 5/16"	18.0	1.184	U	3,947	2,526	1,754	1,289	987	780	632	522	439	322	247	
	19.5		C	3,947	3,158	2,632	2,256	1,974	1,754	1,579	1,435	1,316	1,128	987	
1-1/2" x 3/8"	21.3	1.421	U	4,737	3,032	2,105	1,547	1,184	936	758	626	526	387	296	
	22.8		C	4,737	3,789	3,158	2,707	2,368	2,105	1,895	1,722	1,579	1,353	1,184	
1-3/4" x 1/4"	16.0	1.289	U	4,298	2,751	1,910	1,404	1,075	849	688	568	478	351	269	
	16.6		C	4,298	3,439	2,865	2,456	2,149	1,910	1,719	1,563	1,433	1,228	1,075	
1-3/4" x 5/16"	20.7	1.612	U	5,373	3,439	2,388	1,754	1,343	1,061	860	710	597	439	336	
	22.3		C	5,373	4,298	3,582	3,070	2,686	2,388	2,149	1,954	1,791	1,535	1,343	
1-3/4" x 3/8"	24.6	1.934	U	6,447	4,126	2,865	2,105	1,612	1,274	1,032	853	716	526	403	
	26.1		C	6,447	5,158	4,298	3,684	3,224	2,865	2,579	2,344	2,149	1,842	1,612	
2" x 1/4"	18.2	1.684	U	5,614	3,593	2,495	1,833	1,404	1,109	898	742	624	458	351	
	18.8		C	5,614	4,491	3,743	3,208	2,807	2,495	2,246	2,041	1,871	1,604	1,404	
2" x 5/16"	23.5	2.105	U	7,018	4,491	3,119	2,291	1,754	1,386	1,123	928	780	573	439	
	25.0		C	7,018	5,614	4,678	4,010	3,509	3,119	2,807	2,552	2,339	2,005	1,754	
2" x 3/8"	27.9	2.526	U	8,421	5,389	3,743	2,750	2,105	1,663	1,347	1,114	936	687	526	
	29.4		C	8,421	6,737	5,614	4,812	4,211	3,743	3,368	3,062	2,807	2,406	2,105	
2-1/4" x 1/4"	20.4	2.132	U	7,105	4,547	3,158	2,320	1,776	1,404	1,137	940	789	580	444	
	21.1		C	7,105	5,684	4,737	4,060	3,553	3,158	2,842	2,584	2,368	2,030	1,776	
2-1/4" x 5/16"	26.2	2.664	U	8,882	5,684	3,947	2,900	2,220	1,754	1,421	1,174	987	725	555	
	27.8		C	8,882	7,105	5,921	5,075	4,441	3,947	3,553	3,230	2,961	2,538	2,220	
2-1/4" x 3/8"	31.1	3.197	U	10,658	6,821	4,737	3,480	2,664	2,105	1,705	1,409	1,184	870	666	
	32.6		C	10,658	8,526	7,105	6,090	5,329	4,737	4,263	3,876	3,553	3,045	2,664	
2-1/2" x 1/4"	22.6	2.632	U	8,772	5,614	3,899	2,864	2,193	1,733	1,404	1,160	975	716	548	
	23.3		C	8,772	7,018	5,848	5,013	4,386	3,899	3,509	3,190	2,924	2,506	2,193	
2-1/2" x 5/16"	29.0	3.289	U	10,965	7,018	4,873	3,580	2,741	2,166	1,754	1,450	1,218	895	685	
	30.5		C	10,965	8,772	7,310	6,266	5,482	4,873	4,386	3,987	3,655	3,133	2,741	
2-1/2" x 3/8"	34.4	3.947	U	13,158	8,421	5,848	4,296	3,289	2,599	2,105	1,740	1,462	1,074	822	
	35.9		C	13,158	10,526	8,772	7,519	6,579	5,848	5,263	4,785	4,386	3,759	3,289	
2-3/4" x 1/4"	25.7	3.184	U	10,614	6,793	4,717	3,466	2,654	2,097	1,698	1,404	1,179	866	663	
	27.2		C	10,614	8,491	7,076	6,065	5,307	4,717	4,246	3,860	3,538	3,033	2,654	
2-3/4" x 5/16"	32.3	3.980	U	13,268	8,491	5,897	4,332	3,317	2,621	2,123	1,754	1,474	1,083	829	
	34.3		C	13,268	10,614	8,845	7,581	6,634	5,897	5,307	4,825	4,423	3,791	3,317	
2-3/4" x 3/8"	38.3	4.776	U	15,921	10,189	7,076	5,199	3,980	3,145	2,547	2,105	1,769	1,300	995	
	40.3		C	15,921	12,737	10,614	9,098	7,961	7,076	6,368	5,789	5,307	4,549	3,980	

# LOAD TABLE

Bar Size	Approx. Weight per ft	Sec. Mod Per Ft. of 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"	
3" x 1/4"	27.9	3.789	U	12.632	8.084	5.614	4.125	3.158	2.495	2.021	1.670	1.404	1.031	789
	29.4		C	12.632	10.105	8.421	7.218	6.316	5.614	5.053	4.593	4.211	3.609	3.158
3" x 5/16"	35.0	4.737	U	15.789	10.105	7.018	5.156	3.947	3.119	2.526	2.088	1.754	1.289	987
	37.1		C	15.789	12.632	10.526	9.023	7.895	7.018	6.316	5.742	5.263	4.511	3.947
3" x 3/8"	41.6	5.684	U	18.947	12.126	8.421	6.187	4.737	3.743	3.032	2.505	2.105	1.547	1.184
	43.6		C	18.947	15.158	12.632	10.827	9.474	8.421	7.579	6.890	6.316	5.414	4.737
3-1/4" x 1/4"	30.1	4.447	U	14.825	9.488	6.589	4.841	3.706	2.928	2.372	1.960	1.647	1.210	927
	31.6		C	14.825	11.860	9.883	8.471	7.412	6.589	5.930	5.391	4.942	4.236	3.706
3-1/4" x 5/16"	37.8	5.559	U	18.531	11.860	8.236	6.051	4.633	3.660	2.965	2.450	2.059	1.513	1.158
	39.8		C	18.531	14.825	12.354	10.589	9.265	8.236	7.412	6.738	6.177	5.294	4.633
3-1/4" x 3/8"	44.9	6.671	U	22.237	14.232	9.883	7.261	5.559	4.392	3.558	2.940	2.471	1.815	1.390
	46.9		C	22.237	17.789	14.825	12.707	11.118	9.883	8.895	8.086	7.412	6.353	5.559
3-1/2" x 1/4"	32.4	5.158	U	17.193	11.004	7.641	5.614	4.298	3.396	2.751	2.273	1.910	1.404	1.075
	33.9		C	17.193	13.754	11.462	9.825	8.596	7.641	6.877	6.252	5.731	4.912	4.298
3-1/2" x 5/16"	40.5	6.447	U	21.491	13.754	9.552	7.018	5.373	4.245	3.439	2.842	2.388	1.754	1.343
	42.6		C	21.491	17.193	14.327	12.281	10.746	9.552	8.596	7.815	7.164	6.140	5.373
3-1/2" x 3/8"	48.2	7.737	U	25.789	16.505	11.462	8.421	6.447	5.094	4.126	3.410	2.865	2.105	1.612
	50.2		C	25.789	20.632	17.193	14.737	12.895	11.462	10.316	9.378	8.596	7.368	6.447
4" x 1/4"	36.8	6.737	U	22.456	14.372	9.981	7.333	5.614	4.436	3.593	2.969	2.495	1.833	1.404
	38.3		C	22.456	17.965	14.971	12.832	11.228	9.981	8.982	8.166	7.485	6.416	5.614
4" x 5/16"	46.0	8.421	U	28.070	17.965	12.476	9.166	7.018	5.545	4.491	3.712	3.119	2.291	1.754
	48.1		C	28.070	22.456	18.713	16.040	14.035	12.476	11.228	10.207	9.357	8.020	7.018
4" x 3/8"	54.7	10.105	U	33.684	21.558	14.971	10.999	8.421	6.654	5.389	4.454	3.743	2.750	2.105
	56.8		C	33.684	26.947	22.456	19.248	16.842	14.971	13.474	12.249	11.228	9.624	8.421
4-1/2" x 1/4"	41.2	8.526	U	28.421	18.189	12.632	9.280	7.105	5.614	4.547	3.758	3.158	2.320	1.776
	42.7		C	28.421	22.737	18.947	16.241	14.211	12.632	11.368	10.335	9.474	8.120	7.105
4-1/2" x 5/16"	51.5	10.658	U	35.526	22.737	15.789	11.600	8.882	7.018	5.684	4.698	3.947	2.900	2.220
	53.6		C	35.526	28.421	23.684	20.301	17.763	15.789	14.211	12.919	11.842	10.150	8.882
4-1/2" x 3/8"	61.3	12.789	U	42.632	27.284	18.947	13.921	10.658	8.421	6.821	5.637	4.737	3.480	2.664
	63.4		C	42.632	34.105	28.421	24.361	21.316	18.947	17.053	15.502	14.211	12.180	10.658
5" x 1/4"	45.6	10.526	U	35.088	22.456	15.595	11.457	8.772	6.931	5.614	4.640	3.899	2.864	2.193
	47.1		C	35.088	28.070	23.392	20.050	17.544	15.595	14.035	12.759	11.696	10.025	8.772
5" x 5/16"	57.0	13.158	U	43.860	28.070	19.493	14.322	10.965	8.664	7.018	5.800	4.873	3.580	2.741
	59.1		C	43.860	35.088	29.240	25.063	21.930	19.493	17.544	15.949	14.620	12.531	10.965
5" x 3/8"	67.9	15.789	U	52.632	33.684	23.392	17.186	13.158	10.396	8.421	6.960	5.848	4.296	3.289
	70.0		C	52.632	42.105	35.088	30.075	26.316	23.392	21.053	19.139	17.544	15.038	13.158
6" x 1/4"	54.4	15.158	U	50.526	32.337	22.456	16.498	12.632	9.981	8.084	6.681	5.614	4.125	3.158
	55.9		C	50.526	40.421	33.684	28.872	25.263	22.456	20.211	18.373	16.842	14.436	12.632
6" x 5/16"	68.0	18.947	U	63.158	40.421	28.070	20.623	15.789	12.476	10.105	8.351	7.018	5.156	3.947
	70.1		C	63.158	50.526	42.105	36.090	31.579	28.070	25.263	22.967	21.053	18.045	15.789
6" x 3/8"	81.1	22.737	U	75.789	48.505	33.684	24.748	18.947	14.971	12.126	10.022	8.421	6.187	4.737
	83.1		C	75.789	60.632	50.526	43.308	37.895	33.684	30.316	27.560	25.263	21.654	18.947

## 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	1 <sup>7</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	3 <sup>13</sup> / <sub>16</sub>	5	6 <sup>9</sup> / <sub>16</sub>	7 <sup>9</sup> / <sub>8</sub>	8 <sup>9</sup> / <sub>16</sub>	9 <sup>9</sup> / <sub>4</sub>	10 <sup>15</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>8</sub>	13 <sup>5</sup> / <sub>16</sub>	14 <sup>1</sup> / <sub>2</sub>	15 <sup>11</sup> / <sub>16</sub>	16 <sup>7</sup> / <sub>8</sub>	18 <sup>1</sup> / <sub>16</sub>	19 <sup>1</sup> / <sub>4</sub>	20 <sup>7</sup> / <sub>16</sub>	21 <sup>5</sup> / <sub>8</sub>	22 <sup>13</sup> / <sub>16</sub>
5/16" Bar	1 <sup>1</sup> / <sub>2</sub>	2 <sup>11</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>4</sub>	7 <sup>7</sup> / <sub>16</sub>	8 <sup>5</sup> / <sub>8</sub>	9 <sup>13</sup> / <sub>16</sub>	11	12 <sup>3</sup> / <sub>16</sub>	13 <sup>3</sup> / <sub>8</sub>	14 <sup>9</sup> / <sub>16</sub>	15 <sup>3</sup> / <sub>4</sub>	16 <sup>15</sup> / <sub>16</sub>	18 <sup>1</sup> / <sub>8</sub>	19 <sup>9</sup> / <sub>16</sub>	20 <sup>1</sup> / <sub>2</sub>	21 <sup>11</sup> / <sub>16</sub>	22 <sup>7</sup> / <sub>8</sub>
3/8" Bar	1 <sup>9</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>4</sub>	3 <sup>15</sup> / <sub>16</sub>	5 <sup>1</sup> / <sub>8</sub>	6 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub>	8 <sup>11</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>16</sub>	12 <sup>1</sup> / <sub>4</sub>	13 <sup>7</sup> / <sub>16</sub>	14 <sup>5</sup> / <sub>8</sub>	15 <sup>13</sup> / <sub>16</sub>	17	18 <sup>3</sup> / <sub>16</sub>	19 <sup>9</sup> / <sub>8</sub>	20 <sup>9</sup> / <sub>16</sub>	21 <sup>3</sup> / <sub>4</sub>	22 <sup>15</sup> / <sub>16</sub>
No. of Bars	21	22	23	24	25	26	27	28	29	30	31								
1/4" Bar	24	25 <sup>3</sup> / <sub>16</sub>	26 <sup>3</sup> / <sub>8</sub>	27 <sup>9</sup> / <sub>16</sub>	28 <sup>3</sup> / <sub>4</sub>	29 <sup>15</sup> / <sub>16</sub>	31 <sup>1</sup> / <sub>8</sub>	32 <sup>5</sup> / <sub>16</sub>	33 <sup>1</sup> / <sub>2</sub>	34 <sup>11</sup> / <sub>16</sub>	35 <sup>7</sup> / <sub>8</sub>								
5/16" Bar	24 <sup>1</sup> / <sub>16</sub>	25 <sup>1</sup> / <sub>4</sub>	26 <sup>7</sup> / <sub>16</sub>	27 <sup>5</sup> / <sub>8</sub>	28 <sup>13</sup> / <sub>16</sub>	30	31 <sup>3</sup> / <sub>16</sub>	32 <sup>3</sup> / <sub>8</sub>	33 <sup>9</sup> / <sub>16</sub>	34 <sup>3</sup> / <sub>4</sub>	35 <sup>15</sup> / <sub>16</sub>								
3/8" Bar	24 <sup>1</sup> / <sub>8</sub>	25 <sup>5</sup> / <sub>16</sub>	26 <sup>1</sup> / <sub>2</sub>	27 <sup>11</sup> / <sub>16</sub>	28 <sup>7</sup> / <sub>8</sub>	30 <sup>1</sup> / <sub>16</sub>	31 <sup>1</sup> / <sub>4</sub>	32 <sup>7</sup> / <sub>16</sub>	33 <sup>5</sup> / <sub>8</sub>	34 <sup>13</sup> / <sub>16</sub>	36								