



## 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"	8.3	0.364	U	1,212	776	539	396	303	239	194	160	135	99	76
	8.9		C	1,212	970	808	693	606	539	485	441	404	346	303
1" x 5/16"	11.0	0.455	U	1,515	970	673	495	379	299	242	200	168	124	95
	12.6		C	1,515	1,212	1,010	866	758	673	606	551	505	433	379
1" x 3/8"	12.9	0.545	U	1,818	1,164	808	594	455	359	291	240	202	148	114
	14.4		C	1,818	1,455	1,212	1,039	909	808	727	661	606	519	455
1-1/4" x 1/4"	10.2	0.568	U	1,894	1,212	842	618	473	374	303	250	210	155	118
	10.8		C	1,894	1,515	1,263	1,082	947	842	758	689	631	541	473
1-1/4" x 5/16"	13.4	0.710	U	2,367	1,515	1,052	773	592	468	379	313	263	193	148
	14.9		C	2,367	1,894	1,578	1,353	1,184	1,052	947	861	789	676	592
1-1/4" x 3/8"	15.8	0.852	U	2,841	1,818	1,263	928	710	561	455	376	316	232	178
	17.3		C	2,841	2,273	1,894	1,623	1,420	1,263	1,136	1,033	947	812	710
1-1/2" x 1/4"	12.0	0.818	U	2,727	1,745	1,212	891	682	539	436	361	303	223	170
	12.6		C	2,727	2,182	1,818	1,558	1,364	1,212	1,091	992	909	779	682
1-1/2" x 5/16"	15.8	1.023	U	3,409	2,182	1,515	1,113	852	673	545	451	379	278	213
	17.3		C	3,409	2,727	2,273	1,948	1,705	1,515	1,364	1,240	1,136	974	852
1-1/2" x 3/8"	18.7	1.227	U	4,091	2,618	1,818	1,336	1,023	808	655	541	455	334	256
	20.2		C	4,091	3,273	2,727	2,338	2,045	1,818	1,636	1,488	1,364	1,169	1,023
1-3/4" x 1/4"	14.0	1.114	U	3,712	2,376	1,650	1,212	928	733	594	491	412	303	232
	14.6		C	3,712	2,970	2,475	2,121	1,856	1,650	1,485	1,350	1,237	1,061	928
1-3/4" x 5/16"	18.2	1.392	U	4,640	2,970	2,062	1,515	1,160	917	742	614	516	379	290
	19.7		C	4,640	3,712	3,093	2,652	2,320	2,062	1,856	1,687	1,547	1,326	1,160
1-3/4" x 3/8"	21.5	1.670	U	5,568	3,564	2,475	1,818	1,392	1,100	891	736	619	455	348
	23.0		C	5,568	4,455	3,712	3,182	2,784	2,475	2,227	2,025	1,856	1,591	1,392
2" x 1/4"	15.9	1.455	U	4,848	3,103	2,155	1,583	1,212	958	776	641	539	396	303
	16.5		C	4,848	3,879	3,232	2,771	2,424	2,155	1,939	1,763	1,616	1,385	1,212
2" x 5/16"	20.6	1.818	U	6,061	3,879	2,694	1,979	1,515	1,197	970	801	673	495	379
	22.1		C	6,061	4,848	4,040	3,463	3,030	2,694	2,424	2,204	2,020	1,732	1,515
2" x 3/8"	24.4	2.182	U	7,273	4,655	3,232	2,375	1,818	1,437	1,164	962	808	594	455
	25.9		C	7,273	5,818	4,848	4,156	3,636	3,232	2,909	2,645	2,424	2,078	1,818
2-1/4" x 1/4"	17.8	1.841	U	6,136	3,927	2,727	2,004	1,534	1,212	982	811	682	501	384
	18.4		C	6,136	4,909	4,091	3,506	3,068	2,727	2,455	2,231	2,045	1,753	1,534
2-1/4" x 5/16"	23.0	2.301	U	7,670	4,909	3,409	2,505	1,918	1,515	1,227	1,014	852	626	479
	24.5		C	7,670	6,136	5,114	4,383	3,835	3,409	3,068	2,789	2,557	2,192	1,918
2-1/4" x 3/8"	27.2	2.761	U	9,205	5,891	4,091	3,006	2,301	1,818	1,473	1,217	1,023	751	575
	28.7		C	9,205	7,364	6,136	5,260	4,602	4,091	3,682	3,347	3,068	2,630	2,301
2-1/2" x 1/4"	19.7	2.273	U	7,576	4,848	3,367	2,474	1,894	1,496	1,212	1,002	842	618	473
	20.3		C	7,576	6,061	5,051	4,329	3,788	3,367	3,030	2,755	2,525	2,165	1,894
2-1/2" x 5/16"	25.4	2.841	U	9,470	6,061	4,209	3,092	2,367	1,871	1,515	1,252	1,052	773	592
	26.9		C	9,470	7,576	6,313	5,411	4,735	4,209	3,788	3,444	3,157	2,706	2,367
2-1/2" x 3/8"	30.1	3.409	U	11,364	7,273	5,051	3,711	2,841	2,245	1,818	1,503	1,263	928	710
	31.6		C	11,364	9,091	7,576	6,494	5,682	5,051	4,545	4,132	3,788	3,247	2,841
2-3/4" x 1/4"	22.5	2.750	U	9,167	5,867	4,074	2,993	2,292	1,811	1,467	1,212	1,019	748	573
	24.0		C	9,167	7,333	6,111	5,238	4,583	4,074	3,667	3,333	3,056	2,619	2,292
2-3/4" x 5/16"	28.3	3.438	U	11,458	7,333	5,093	3,741	2,865	2,263	1,833	1,515	1,273	935	716
	30.3		C	11,458	9,167	7,639	6,548	5,729	5,093	4,583	4,167	3,819	3,274	2,865
2-3/4" x 3/8"	33.5	4.125	U	13,750	8,800	6,111	4,490	3,438	2,716	2,200	1,818	1,528	1,122	859
	35.5		C	13,750	11,000	9,167	7,857	6,875	6,111	5,500	5,000	4,583	3,929	3,438

# LOAD TABLE

Bar Size	Approx. Weight per sq ft	Spc. Min. 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"	
3" x 1/4"	24.5	3.273	U	10,909	6,982	4,848	3,562	2,727	2,155	1,745	1,443	1,212	991	682
	26.0		C	10,909	8,727	7,273	6,234	5,455	4,848	4,364	3,967	3,636	3,117	2,727
3" x 5/16"	30.7	4.091	U	13,636	8,727	6,061	4,453	3,409	2,694	2,182	1,803	1,515	1,113	852
	32.7		C	13,636	10,909	9,091	7,792	6,818	6,061	5,455	4,959	4,545	3,896	3,409
3" x 3/8"	36.4	4.909	U	16,364	10,473	7,273	5,343	4,091	3,232	2,618	2,164	1,818	1,336	1,023
	38.4		C	16,364	13,091	10,909	9,351	8,182	7,273	6,545	5,950	5,455	4,675	4,091
3-1/4" x 1/4"	26.4	3.841	U	12,803	8,194	5,690	4,181	3,201	2,529	2,048	1,693	1,423	1,045	800
	27.9		C	12,803	10,242	8,535	7,316	6,402	5,690	5,121	4,656	4,268	3,658	3,201
3-1/4" x 5/16"	33.1	4.801	U	16,004	10,242	7,113	5,226	4,001	3,161	2,561	2,116	1,778	1,306	1,000
	35.1		C	16,004	12,803	10,669	9,145	8,002	7,113	6,402	5,820	5,335	4,573	4,001
3-1/4" x 3/8"	39.2	5.761	U	19,205	12,291	8,535	6,271	4,801	3,793	3,073	2,539	2,134	1,568	1,200
	41.3		C	19,205	15,364	12,803	10,974	9,602	8,535	7,682	6,983	6,402	5,487	4,801
3-1/2" x 1/4"	28.3	4.455	U	14,848	9,503	6,599	4,848	3,712	2,933	2,376	1,963	1,650	1,212	928
	29.8		C	14,848	11,879	9,899	8,485	7,424	6,599	5,939	5,399	4,949	4,242	3,712
3-1/2" x 5/16"	35.5	5.568	U	18,561	11,879	8,249	6,061	4,640	3,666	2,970	2,454	2,062	1,515	1,160
	37.5		C	18,561	14,848	12,374	10,606	9,280	8,249	7,424	6,749	6,187	5,303	4,640
3-1/2" x 3/8"	42.1	6.682	U	22,273	14,255	9,899	7,273	5,568	4,400	3,564	2,945	2,475	1,818	1,392
	44.1		C	22,273	17,818	14,848	12,727	11,136	9,899	8,909	8,099	7,424	6,364	5,568
4" x 1/4"	32.1	5.818	U	19,394	12,412	8,620	6,333	4,848	3,831	3,103	2,564	2,155	1,583	1,212
	33.6		C	19,394	15,515	12,929	11,082	9,697	8,620	7,758	7,052	6,465	5,541	4,848
4" x 5/16"	40.2	7.273	U	24,242	15,515	10,774	7,916	6,061	4,789	3,879	3,206	2,694	1,979	1,515
	42.3		C	24,242	19,394	16,162	13,853	12,121	10,774	9,697	8,815	8,081	6,926	6,061
4" x 3/8"	47.8	8.727	U	29,091	18,618	12,929	9,499	7,273	5,746	4,655	3,847	3,232	2,375	1,818
	49.8		C	29,091	23,273	19,394	16,623	14,545	12,929	11,636	10,579	9,697	8,312	7,273
4-1/2" x 1/4"	35.9	7.364	U	24,545	15,709	10,909	8,015	6,136	4,848	3,927	3,246	2,727	2,004	1,534
	37.4		C	24,545	19,636	16,364	14,026	12,273	10,909	9,818	8,926	8,182	7,013	6,136
4-1/2" x 5/16"	45.0	9.205	U	30,682	19,636	13,636	10,019	7,670	6,061	4,909	4,057	3,409	2,505	1,918
	47.0		C	30,682	24,545	20,455	17,532	15,341	13,636	12,273	11,157	10,227	8,766	7,670
4-1/2" x 3/8"	53.5	11.045	U	36,818	23,564	16,364	12,022	9,205	7,273	5,891	4,869	4,091	3,006	2,301
	55.5		C	36,818	29,455	24,545	21,039	18,409	16,364	14,727	13,388	12,273	10,519	9,205
5" x 1/4"	39.8	9.091	U	30,303	19,394	13,468	9,895	7,576	5,986	4,848	4,007	3,367	2,474	1,894
	41.3		C	30,303	24,242	20,202	17,316	15,152	13,468	12,121	11,019	10,101	8,658	7,576
5" x 5/16"	49.8	11.364	U	37,879	24,242	16,835	12,369	9,470	7,482	6,061	5,009	4,209	3,092	2,367
	51.8		C	37,879	30,303	25,253	21,645	18,939	16,835	15,152	13,774	12,626	10,823	9,470
5" x 3/8"	59.2	13.636	U	45,455	29,091	20,202	14,842	11,364	8,979	7,273	6,011	5,051	3,711	2,841
	61.3		C	45,455	36,364	30,303	25,974	22,727	20,202	18,182	16,529	15,152	12,987	11,364
6" x 1/4"	47.4	13.091	U	43,636	27,927	19,394	14,249	10,909	8,620	6,982	5,770	4,848	3,562	2,727
	48.9		C	43,636	34,909	29,091	24,935	21,818	19,394	17,455	15,868	14,545	12,468	10,909
6" x 5/16"	59.3	16.364	U	54,545	34,909	24,242	17,811	13,636	10,774	8,727	7,213	6,061	4,453	3,409
	61.4		C	54,545	43,636	36,364	31,169	27,273	24,242	21,818	19,835	18,182	15,584	13,636
6" x 3/8"	70.7	19.636	U	65,455	41,891	29,091	21,373	16,364	12,929	10,473	8,655	7,273	5,343	4,091
	72.7		C	65,455	52,364	43,636	37,403	32,727	29,091	26,182	23,802	21,818	18,701	16,364

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