

Bar Grating Load Table

U = Uniform Load D = Deflection C = Concentrated Load

Bearing Bar Size in Inches	U = Uniform Load		D = Deflection		C = Concentrated Load		3'0"		3'6"		4'0"	
			2'0"	2'6"	3'0"	3'6"	3'0"	3'6"	4'0"	4'0"	4'0"	
3/16 x 3/4	U		575	.093	370	.152	259	.218	186	.218	144	.373
	D		579	.								
	C	D	077		463	.120	388	.173	330	.235	289	.310
	U											
1/8 x 1	D		688	.073	440	.110	304	.160	225	.219	172	.286
	C	D	688	.059	549	.091	459	.129	391	.175	343	.232
3/16 x 1	U		1030	.								
	D		073		659	.112	460	.160	335	.219	256	.287
	C	D	1029	.								
			058		822	.090	687	.129	588	.176	513	.230
1/8 x 1 1/4	U											
	D		1072	.059	688	.090	475	.175	351	.233	269	.290
	C	D	1074	.								
			048		859	.073	714	.104	610	.142	538	.180
3/16 x 1 1/4	U		1610	.								
	D		059		1029	.090	714	.128	528	.174	401	.230
	C	D	1610	.								
			048		1283	.073	1074	.105	919	.141	801	.180
1/8 x 1 1/2	U											
	D		1541	.045	988	.074	687	.106	501	.148	387	.193
	C	D	1542	.038	1237	.058	1030	.086	884	.116	723	.155
	U											
3/16 x 1 1/2	D		2320	.047	1484	.076	1032	.107	758	.148	580	.193
	C	D	2320	.038	1858	.060	1548	.088	1325	.116	1160	.154
3/16 x 1 3/4	U											
	D		3140	.041	2018	.062	1401	.093	1030	.126	788	.164
	C	D	3150	.031	2522	.053	2100	.075	1803	.100	1573	.134
	U											
3/16 x 2	D		4118	.038	2633	.058	1830	.080	1346	.112	1029	.140
	C	D	4118	.029	3293	.047	2748	.062	2350	.089	2059	.116
3/16 x 2 1/4	U											
	D		5210	.033	3330	.050	2310	.073	1670	.099	1301	.128
	C	D	5210	.028	4169	.040	3475	.058	2913	.080	2604	.103