

MS T-Bar Series		Bearing Bar Size	Series Number	#/SF	A	B	C	Open Area
	MS T-5010	2.00" x 1.00"	MS T-3320	3.90#	1.50"	.500"	.900"	33%
	MS T-5020	1.00" x 1.00"	MS T-5010	1.60#	2.00"	1.00"	1.625"	50%
	MS T-5015	2.00" x 1.00"	MS T-5015	1.90#	2.00"	1.00"	1.400"	50%
	MS T-5020	2.00" x 1.00"	MS T-5020	3.00#	2.00"	1.00"	1.400"	50%

■ STOCK A = Center to center of bearing bar B = Spacing between bearing bar top flanges C = Spacing between bearing bar bottom flanges

Wide MS T-Bar Series		Bearing Bar Size	Series Number	#/SF	A	B	C	Open Area
	MS T-1210 MS T-1810	1.00" x 1.625"	MS T-1210	2.79#	1.85"	.225"	1.35"	12%
	MS T-1215	1.50" x 1.625"	MS T-1215	3.40#	1.85"	.225"	1.35"	12%
	MS T-1810	1.00" x 1.625"	MS T-1810	2.60#	2.00"	.375"	1.50"	18%
	MS T-2510	1.00" x 1.625"	MS T-2510	2.50#	2.12"	.495"	1.50"	25%
	MS T-3810	1.00" x 1.625"	MS T-3810	2.10#	2.62"	.995"	1.62"	38%
	MS T-3815	1.50" x 1.625"	MS T-3815	2.53#	2.62"	.995"	2.12"	38%

■ STOCK A = Center to center of bearing bar B = Spacing between bearing bar top flanges C = Spacing between bearing bar bottom flanges

SPAN	MS T-1210 1" Bearing Bars Spaced 1.85" on Center LOAD TABLE												SAFE LOAD 2:1 SAFETY FACTOR
	LOAD	100	200	300	400	500	750	1000	2000	2500	3000	4000	
12"	△ U	.002	.004	.006	.008	.010	.016	.021	.042	.052	.062	.083	11546
	△ C	.003	.007	.010	.013	.017	.025	.033	.067	.083	.100	.133	5773
18"	△ U	.010	.019	.029	.038	.048	.072	.096	.192	.240	.288	.383	5131
	△ C	.010	.020	.031	.041	.051	.077	.102	.204	.256	.307	.409	3849
24"	△ U	.029	.057	.086	.114	.143	.215	.286	.572				2887
	△ C	.023	.046	.069	.092	.114	.172	.229	.458	.572			2887
30"	△ U	.066	.133	.199	.266	.332	.498	.664					1830
	△ C	.042	.085	.127	.170	.212	.319	.425					2288
36"	△ U	.134	.267	.401	.535	.668							1251
	△ C	.071	.143	.214	.285	.356	.535						1877
42"	△ U	.238	.476										901
	△ C	.109	.217	.326	.435	.543							1576
48"	△ U	.398											676
	△ C	.159	.319	.478	.637								1351

SPAN	MS T-1810 1" Bearing Bars Spaced 2.00" on Center LOAD TABLE												SAFE LOAD 2:1 SAFETY FACTOR
	LOAD	100	200	300	400	500	750	1000	2000	2500	3000	4000	
12"	△ U	.002	.004	.007	.009	.011	.017	.022	.045	.056	.067	.090	10680
	△ C	.004	.007	.011	.014	.018	.027	.036	.072	.090	.108	.144	5340
18"	△ U	.010	.021	.031	.041	.052	.078	.104	.207	.259	.311	.415	4746
	△ C	.011	.022	.033	.044	.055	.083	.111	.221	.277	.332	.442	3560
24"	△ U	.031	.062	.093	.124	.155	.232	.310	.619				2670
	△ C	.025	.050	.074	.099	.124	.186	.248	.495	.619			2670
30"	△ U	.072	.144	.215	.287	.359	.539	.718					1693
	△ C	.046	.092	.138	.184	.230	.345	.460					2116
36"	△ U	.145	.289	.434	.578	.723							1157
	△ C	.077	.154	.231	.308	.385	.578						1736
42"	△ U	.257	.514										833
	△ C	.118	.235	.353	.470	.588							1458
48"	△ U	.431											625
	△ C	.172	.345	.517	.689								1250

SPAN	MS T-3810 1" Bearing Bars Spaced 2.62" on Center LOAD TABLE												SAFE LOAD 2:1 SAFETY FACTOR
	LOAD	100	200	300	400	500	750	1000	2000	2500	3000	4000	
12"	△ U	.003	.006	.009	.012	.015	.022	.029	.059	.074	.088	.118	8137
	△ C	.005	.009	.014	.019	.024	.035	.047	.094	.118	.141	.188	4069
18"	△ U	.014	.027	.041	.054	.068	.102	.136	.271	.339	.407	.542	3616
	△ C	.014	.029	.043	.058	.072	.108	.145	.289	.362	.434	.579	2712
24"	△ U	.040	.081	.121	.162	.202	.304	.405					2034
	△ C	.032	.065	.097	.130	.162	.243	.324	.648				2034
30"	△ U	.094	.188	.282	.376	.470							1290
	△ C	.060	.120	.180	.240	.300	.451	.601					1612
36"	△ U	.189	.378	.567									882
	△ C	.101	.202	.302	.403	.504							1323
42"	△ U	.336	.673										635
	△ C	.154	.308	.461	.615								1111
48"	△ U	.563											476
	△ C	.225	.451	.676									952

SPAN	MS T-5010 1" Bearing Bars Spaced 2.00" on Center LOAD TABLE										SAFE LOAD 2:1 SAFETY FACTOR
	LOAD	100	200	300	400	500	750	1000	2000		
12"	△ U	.004	.008	.011	.015	.019	.029	.038	.076		4766
	△ C	.006	.012	.018	.024	.031	.046	.061	.122		2383
18"	△ U	.019	.037	.056	.075	.094	.140	.187	.374		2144
	△ C	.020	.040	.060	.080	.100	.150	.200	.399		1609
24"	△ U	.057	.114	.171	.228	.286	.428	.571			1221
	△ C	.046	.091	.137	.183	.228	.343	.457			1221
30"	△ U	.135	.270	.406	.541	.676					791
	△ C	.087	.173	.260	.346	.433	.649				989
36"	△ U	.272	.544								556
	△ C	.145	.290	.435	.580	.726					834
42"	△ U	.488									413
	△ C	.223	.446	.670							723

SPAN	MS T-5020 2" Bearing Bars Spaced 2.00" on Center LOAD TABLE														SAFE LOAD 2:1 SAFETY FACTOR	
	LOAD	100	200	300	400	500	750	1000	2000	3000	4000	5000	6000	7000		8000
12"	△ U	.000	.001	.001	.001	.002	.003	.004	.007	.011	.014	.018	.021	.025	.028	11333
	△ C	.001	.001	.002	.002	.003	.004	.006	.011	.017	.023	.028	.034	.040	.045	5666
18"	△ U	.002	.003	.005	.007	.009	.013	.017	.035	.052	.070	.087	.104	.122	.139	7536
	△ C	.002	.004	.006	.007	.009	.014	.019	.037	.056	.074	.093	.111	.130	.148	5666
24"	△ U	.005	.011	.016	.021	.027	.040	.054	.107	.161	.214	.268	.321	.375	.429	5666
	△ C	.004	.009	.013	.017	.021	.032	.043	.086	.129	.171	.214	.257	.300	.343	5666
30"	△ U	.013	.026	.038	.051	.064	.096	.128	.256	.384	.512	.640				3626
	△ C	.008	.016	.025	.033	.041	.061	.082	.164	.246	.327	.409	.491	.573	.655	4534
36"	△ U	.026	.052	.078	.104	.130	.195	.260	.520							2519
	△ C	.014	.028	.042	.055	.069	.104	.139	.277	.416	.555	.694				3778
42"	△ U	.047	.095	.142	.190	.237	.356	.474								1850
	△ C	.022	.043	.065	.087	.108	.163	.217	.433	.650						3238
48"	△ U	.079	.158	.238	.317	.396	.594									1417
	△ C	.032	.063	.095	.127	.158	.238	.317	.634							2834
54"	△ U	.125	.250	.374	.499	.624										1120
	△ C	.044	.089	.133	.178	.222	.333	.444								2519
60"	△ U	.188	.375	.563	.751											907
	△ C	.060	.120	.180	.240	.300	.450	.601								2267
66"	△ U	.272	.544													749
	△ C	.079	.158	.237	.316	.395	.593									2060
72"	△ U	.380														629
	△ C	.101	.203	.304	.405	.507										1889
78"	△ U	.520														536
	△ C	.128	.256	.384	.512	.640										1744
84"	△ U	.693														463
	△ C	.158	.317	.475	.634											1619

For All Load Tables on this Page
 C Is concentrated load lbs/ft of width
 △ C Is deflection under concentrated load
 U Is uniform load lbs/ft²
 △ U Is deflection under uniform load

NOTE: When a 100 pounds per square foot uniform load is placed upon a 64" simple span, it will produce a deflection of 1/4" at midspan.