

DURAGRID® T-1800 1" T Bearing Bars Spaced 2" On Center

OTHER COMMON SERIES AND SPACING (X):

SERIES	(X)	(M)*
T-0000	1.625"	1.23
T-1000	1.800"	1.11
T-1200	1.850"	1.08
T-2500	2.120"	0.94
T-3500	2.400"	0.83
T-3800	2.620"	0.76

OR MULTIPLES OF ABOVE

Now available 1.5" T bar. Call for details.

1" T BEARING BARS: VALUES PER FT OF WIDTH

A = 2.850 IN²/FT OF WIDTH S_T = 0.903 IN³/FT OF WIDTH

I = 0.306 IN⁴/FT OF WIDTH S_B = 0.464 IN³/FT OF WIDTH

WEIGHT/FOOT = .373 LBS/FT OF BAR WEIGHT/FOOT = .186 LBS/FT OF CROSS ROD

APPROX. WEIGHT = 2.6 LBS/SQ. FT.

SPAN INCHES		LOAD												SAFE LOAD 2:1 SAFETY FACTOR	DEFLECTION	E x 10 ⁶ PSI		
		50	100	150	200	250	300	400	500	750	1000	2000	2500				3000	4000
12	Δu	0.001	0.002	0.003	0.004	0.006	0.007	0.009	0.011	0.017	0.022	0.045	0.056	0.067	0.090	10680	0.240	3.27
	Δc	0.002	0.004	0.005	0.007	0.009	0.011	0.014	0.018	0.027	0.036	0.072	0.090	0.108	0.144			
18	Δu	0.005	0.010	0.016	0.021	0.026	0.031	0.041	0.052	0.078	0.104	0.207	0.259	0.311	0.415	4746	0.492	3.59
	Δc	0.006	0.011	0.017	0.022	0.028	0.033	0.044	0.055	0.083	0.111	0.221	0.277	0.332	0.442			
24	Δu	0.015	0.031	0.046	0.062	0.077	0.093	0.124	0.155	0.232	0.310	0.619				2670	0.827	3.80
	Δc	0.012	0.025	0.037	0.050	0.062	0.074	0.099	0.124	0.186	0.248	0.495	0.619					
30	Δu	0.036	0.072	0.108	0.144	0.180	0.215	0.287	0.359	0.539	0.718				1693	1.216	4.00	
	Δc	0.023	0.046	0.069	0.092	0.115	0.138	0.184	0.230	0.345	0.460							2116
36	Δu	0.072	0.145	0.217	0.289	0.361	0.434	0.578	0.723				1157	1.673	4.12			
	Δc	0.039	0.077	0.116	0.154	0.193	0.231	0.308	0.385	0.578						1736	1.338	
42	Δu	0.129	0.257	0.386	0.514	0.643				833	2.143	4.29						
	Δc	0.059	0.118	0.176	0.235	0.294	0.353	0.470	0.588							1458	1.714	
48	Δu	0.215	0.431	0.646				625	2.692	4.37								
	Δc	0.086	0.172	0.258	0.345	0.431	0.517				0.689				1250	2.154		



*(M) - Multiplier for load table loads