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Bearing Bar Size	SERIES GHB and GHB-2															
	SPAN															
	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	
1" x 1/4"	U	5615	2495	1404	898	624	458	351	277	225	186	156	133	115	100	88
	D	.020	.046	.082	.129	.186	.253	.331	.418	.518	.627	.745	.875	1.017	1.166	1.328
	C	2807	1872	1404	1123	936	802	702	624	561	510	468	432	401	374	351
1-1/4" x 1/4"	U	8772	3899	2193	1404	975	716	548	433	351	290	244	208	179	156	137
	D	.016	.037	.066	.103	.149	.202	.264	.335	.413	.500	.596	.699	.811	.930	1.058
	C	4386	2924	2193	1754	1462	1253	1067	975	877	797	731	675	627	585	548
1-1/2" x 1/4"	U	12632	5614	3158	2021	1404	1031	790	624	505	418	351	299	258	225	197
	D	.013	.031	.055	.086	.124	.168	.220	.279	.344	.417	.496	.582	.676	.777	.881
	C	6316	4211	3158	2526	2105	1805	1579	1404	1263	1148	1053	972	902	842	790
1-3/4" x 1/4"	U	17193	7641	4298	2751	1910	1404	1075	849	688	568	478	407	351	306	269
	D	.011	.026	.047	.073	.106	.144	.189	.239	.295	.357	.425	.499	.579	.665	.757
	C	8597	5731	4298	3439	2866	2456	2149	1910	1719	1563	1433	1323	1228	1146	1075
2" x 1/4"	U	22456	9980	5614	3593	2495	1833	1404	1109	898	742	624	532	458	399	351
	D	.010	.023	.041	.064	.093	.126	.165	.209	.258	.312	.372	.437	.506	.581	.662
	C	11228	7485	5614	4491	3743	3208	2807	2495	2246	2041	1871	1727	1604	1497	1404
2-1/2" x 1/4"	U	35088	15595	8772	5614	3899	2864	2193	1733	1404	1160	975	830	716	624	548
	D	.008	.018	.033	.051	.074	.101	.132	.167	.206	.250	.298	.349	.405	.465	.529
	C	17544	11696	8772	7018	5848	5013	4386	3899	3509	3190	2924	2699	2506	2339	2193
3" x 1/4"	U	50527	22456	12632	8084	5614	4125	3158	2495	2021	1670	1404	1196	1031	898	789
	D	.006	.015	.027	.043	.062	.084	.110	.139	.172	.208	.248	.291	.337	.387	.441
	C	25263	16842	12632	10105	8421	7218	6316	5614	5053	4593	4211	3887	3609	3368	3158
3-1/2" x 1/4"	U	68772	30565	17193	11004	7641	5614	4298	3396	2751	2273	1910	1628	1404	1223	1075
	D	.005	.013	.023	.036	.053	.072	.094	.119	.147	.178	.212	.249	.289	.332	.378
	C	34386	22924	17193	13754	11462	9825	8597	7641	6877	6252	5731	5290	4912	4585	4298
4" x 1/4"	U	89825	39922	22456	14372	9981	7333	5614	4436	3593	2969	2495	2126	1833	1597	1404
	D	.005	.011	.020	.032	.046	.063	.082	.104	.129	.156	.186	.218	.253	.290	.331
	C	44913	29942	22456	17965	14971	12832	1228	9981	8983	8166	7485	6910	6416	5988	5614

* Typically, your selection, for a given load and span, should fall within the shaded areas. Spans in shaded areas produce a deflection of 1/4 inch or less for a uniform load of 100 pounds per square foot. This deflection is recommended to provide comfortable safety margins, but may be exceeded at the discretion of the engineer.

** The specifier is responsible for verifying conformance of this product with applicable codes associated with its intended use.

Bar Grating is also available with a serrated surface by special order. Caution: For serrated grating, select a bearing bar height 1/4 inch greater than specified for non-serrated grating.

The carrying capacity of a piece of grating subjected to a concentrated load over only a portion of its width is determined by the stiffness of both the bearing bars and the cross bars, and therefore varies with the type of grating used. To determine carrying capacity of gratings subject to such loadings, please call McNICHOLS (800-237-3820).

HEAVY WELD STEEL 1/4" BEARING BAR													LOAD TABLE		
Bearing Bar Size	Wt Lbs Sq Ft	SERIES HWC BEARING BARS 1-3/8" center to center													
		1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"	8'-0"	
2-1/2" x 1/4"	20.6	U	28499	12666	7125	4560	3167	2326	1781	1407	1140	942	792	582	445
		C	14249	9500	7125	5700	4750	4071	3562	3167	2850	2591	2375	2036	1781
3" x 1/4"	24.4	U	41041	18241	10260	6567	4560	3350	2565	2027	1642	1356	1140	838	641
		C	20520	13680	10260	8208	6840	5863	5130	4560	4104	3731	3420	2932	2565
3-1/2" x 1/4"	28.3	U	55872	24831	13967	8939	6208	4561	3492	2759	2235	1847	1552	1140	873
		C	27936	18623	13967	11174	9312	7981	6984	6208	5587	5079	4656	3991	3492
4" x 1/4"	32.2	U	72960	32474	18270	11692	8119	5967	4568	3608	2923	2416	2030	1491	1142
		C	36480	24320	18240	14592	12160	10423	9120	8107	7296	6633	6080	5211	4560

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Bar Grating is also available with a serrated surface by special order. Caution: For serrated grating, select a bearing bar height 1/4 inch greater than specified for non-serrated grating.

The carrying capacity of a piece of grating subjected to a concentrated load over only a portion of its width is determined by the stiffness of both the bearing bars and the cross bars, and therefore varies with the type of grating used. To determine carrying capacity of gratings subject to such loadings, please call McNICHOLS (800-237-3820).

HEAVY WELD STEEL 1/4" BEARING BAR											LOAD TABLE				
SERIES HWD BEARING BARS 1-7/8" center to center															
2-1/2" x 1/4"	15.9	U	21874	9722	5468	3500	2430	1786	1367	1080	875	723	608	446	342
		C	10937	7291	5468	4375	3646	3125	2734	2430	2187	1989	1823	1562	1367
3" x 1/4"	18.8	U	31500	14000	7875	5040	3500	2571	1969	1556	1260	1041	875	643	492
		C	15750	10500	7875	6300	5250	4500	3938	3500	3150	2864	2625	2250	1969
3-1/2" x 1/4"	21.8	U	42882	19059	10721	6861	4765	3501	2680	2118	1715	1418	1191	875	670
		C	21441	14294	10721	8577	7147	6126	5361	4765	4288	3898	3574	3063	2680
4" x 1/4"	24.7	U	56004	24889	14001	8961	6221	4574	3500	2766	2240	1850	1556	1143	875
		C	28002	18668	14001	11201	9334	7999	7000	6221	5600	5092	4667	4000	3500

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HEAVY WELD STEEL 1/4" BEARING BAR											LOAD TABLE				
SERIES HWE BEARING BARS 2-3/8" center to center															
2-1/2" x 1/4"	12.5	U	17186	7638	4297	2750	1910	1403	1074	849	687	568	477	351	269
		C	8593	5729	4297	3437	2864	2455	2148	1910	1719	1562	1432	1228	1074
3" x 1/4"	14.8	U	24750	11000	6188	3960	2750	2020	1547	1222	990	818	688	505	387
		C	12375	8250	6188	4950	4125	3536	3094	2750	2475	2250	2063	1768	1547
3-1/2" x 1/4"	17.1	U	33694	14975	8423	5391	3744	2750	2106	1664	1348	1114	936	688	526
		C	16847	11231	8423	6739	5616	4813	4212	3744	3369	3063	2806	2407	2106
4" x 1/4"	19.3	U	44004	19556	11001	7041	4888	3593	2750	2173	1760	1454	1222	896	688
		C	22002	14668	11001	8801	7334	6285	5501	4888	4400	4001	3667	3144	2750

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