



CONSTRUCTION: Welded bearing and 1/4" square twisted cross bars

MATERIAL: Plain Steel
Powder Coated Black
HD Galvanized Steel
Stainless Steel Type 304 (mill finish)
sandblast optional

HEIGHTS: 3/4" to 2-1/2"

WIDTHS: See panel width chart

LENGTHS: 20' STOCK or cut-to-size

BAR THICKNESS: 1/8" or 3/16"

McNICHOLS durable welded grating has GRATE COAT® Powder Coating as the superior surface standard!

Bar Spacing	GW (19W4)		GW-2 (19W2)		SGW (15W4)		SGW-2 (15W2)	
	Item No.	#/SF	Item No.	#/SF	Item No.	#/SF	Item No.	#/SF
3/4" x 1/8"	GW-75A	4.1	GW-75A-2	5.0	SGW-75A	5.0	SGW-75A-2	5.9
3/4" x 3/16"	GW-75	5.8	GW-75-2	6.7	SGW-75	7.2	SGW-75-2	8.1
1" x 1/8"	GW-100A	5.2	GW-100A-2	6.1	SGW-100A	6.4	SGW-100A-2	7.3
1" x 3/16"	GW-100	7.5	GW-100-2	8.4	SGW-100	9.3	SGW-100-2	10.2
1-1/4" x 1/8"	GW-125A	6.3	GW-125A-2	7.2	SGW-125A	7.9	SGW-125A-2	8.8
1-1/4" x 3/16"	GW-125	9.1	GW-125-2	10.0	SGW-125	11.3	SGW-125-2	12.2
1-1/2" x 1/8"	GW-150A	7.4	GW-150A-2	8.3	SGW-150A	9.3	SGW-150A-2	10.2
1-1/2" x 3/16"	GW-150	10.8	GW-150-2	11.7	SGW-150	13.5	SGW-150-2	14.4
1-3/4" x 3/16"	GW-175	12.5	GW-175-2	13.4	SGW-175	15.6	SGW-175-2	16.5
2" x 3/16"	GW-200	14.1	GW-200-2	15.0	SGW-200	17.7	SGW-200-2	18.6
2-1/4" x 3/16"	GW-225	15.8	GW-225-2	16.7	SGW-225	19.8	SGW-225-2	20.7
2-1/2" x 3/16"	GW-250	17.4	GW-250-2	18.3	SGW-250	21.9	SGW-250-2	22.8

GW, SGW, GAA, GCC Series Panel Widths									
No. Bars	GW, GW-2 GAA, GBB	SGW, SGW-2 GCC, GDD	No. Bars	GW, GW-2 GAA, GBB	SGW, SGW-2 GCC, GDD	No. Bars	GW, GW-2 GAA, GBB	SGW, SGW-2 GCC, GDD	
2	1-3/8"	1-1/8"	15	16-13/16"	13-5/16"	28	32-1/4"	25-1/2"	
3	2-9/16"	2-1/16"	16	18"	14-1/4"	29	33-7/16"	26-7/16"	
4	3-3/4"	3"	17	19-3/16"	15-3/16"	30	34-5/8"	27-3/8"	
5	4-15/16"	3-15/16"	18	20-3/8"	16-1/8"	31	35-13/16"	28-5/16"	
6	6-1/8"	4-7/8"	19	21-9/16"	17-1/16"	32		29-1/4"	
7	7-5/16"	5-13/16"	20	22-3/4"	18"	33		30-3/16"	
8	8-1/2"	6-3/4"	21	23-15/16"	18-15/16"	34		31-1/8"	
9	9-11/16"	7-11/16"	22	25-1/8"	19-7/8"	35		32-1/16"	
10	10-7/8"	8-5/8"	23	26-5/16"	20-13/16"	36		33"	
11	12-1/16"	9-9/16"	24	27-1/2"	21-3/4"	37		33-15/16"	
12	13-1/4"	10-1/2"	25	28-11/16"	22-11/16"	38		34-7/8"	
13	14-7/16"	11-7/16"	26	29-7/8"	23-5/8"	39		35-13/16"	
14	15-5/8"	12-3/8"	27	31-1/16"	24-9/16"				

NOTE: WIDTH AND LENGTH TOLERANCE ±1/4"

■ STOCK SIZE

Maximum width indicated. Wider areas will be made in two or more panels. GW & SGW panels are available up to 48" wide by special order. All other widths are cut-to-size. Deduct 1/16" from width for 1/8" bearing bars.

WE CAN DO FAST CUT TO SIZE!

MATERIAL: Plain or HD Galvanized, Painted Steel, Aluminum, Stainless Steel - Mill Finish

CONSTRUCTION: McNICHOLS® Press-Locked Steel Grating cross bars are pressed into the bearing bars flush top under tremendous pressure laterally displacing 1/16" of cross bar material into the "dovetail" slot, assuring firm, rigid connections. Deep cross bars are used for lateral support. The main bars are not cut, punched or otherwise deformed below the neutral axis and therefore can resist up to the yield stress for the full cross-section of the bars.

Rectangular Bar



Bar Spacing	GAA (19P4)		GBB (19P2)		GCC (15P4)		GDD (15P2)	
	Item No.	#/SF	Item No.	#/SF	Item No.	#/SF	Item No.	#/SF
3/4" x 1/8"	GAA-75A	4.4	GBB-75A	4.6	GCC-75A	4.8	GDD-75A	5.5
3/4" x 3/16"	GAA-75	5.7	GBB-75	6.4	GCC-75	7.0	GDD-75	7.7
1" x 1/8"	GAA-100A	5.2	GBB-100A	6.0	GCC-100A	6.4	GDD-100A	7.2
1" x 3/16"	GAA-100	7.5	GBB-100	8.3	GCC-100	9.3	GDD-100	10.1
1-1/4" x 1/8"	GAA-125A	6.3	GBB-125A	7.1	GCC-125A	7.9	GDD-125A	8.7
1-1/4" x 3/16"	GAA-125	9.1	GBB-125	9.9	GCC-125	11.3	GDD-125	12.2
1-1/2" x 1/8"	GAA-150A	7.6	GBB-150A	8.7	GCC-150A	9.5	GDD-150A	10.6
1-1/2" x 3/16"	GAA-150	11.0	GBB-150	12.1	GCC-150	13.7	GDD-150	14.8
1-3/4" x 3/16"	GAA-175	12.7	GBB-175	13.8	GCC-175	15.8	GDD-175	16.9
2" x 3/16"	GAA-200	14.3	GBB-200	15.4	GCC-200	17.9	GDD-200	19.0
2-1/4" x 3/16"	GAA-225	16.0	GBB-225	17.1	GCC-225	20.0	GDD-225	21.1
2-1/2" x 3/16"	GAA-250	17.7	GBB-250	18.8	GCC-250	22.1	GDD-250	23.2

Not recommended for wheel traffic or barefoot pedestrian. Available by special order!



GW, GW-2, GAA & GBB Series Steel LOAD TABLE											
Bearing Bar Size	SPAN (1-3/16" Center to Center Bar Spacings)										
	1'-0"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"
3/4" x 1/8"	U	1421	365	227	158	118	89	70			
	D	025	099	155	224	304	398	502			
	C	710	355	284	237	205	178	158			
3/4" x 3/16"	U	2131	533	341	237	174	133	105			
	D	025	099	155	224	304	397	502			
	C	1068	533	426	365	304	268	237			
1" x 1/8"	U	2528	632	404	281	208	158	125	101	84	70
	D	018	075	118	188	238	298	378	465	568	688
	C	1283	632	505	421	361	318	281	253	230	211
1" x 3/16"	U	3790	947	608	421	309	237	187	152	125	105
	D	019	074	118	188	228	298	377	467	582	699
	C	1895	947	758	632	541	474	421	379	345	318
1-1/4" x 1/8"	U	3947	987	631	439	322	247	195	158	130	110
	D	015	080	093	134	182	239	302	373	449	538
	C	1973	987	789	658	564	493	439	395	359	329
1-1/4" x 3/16"	U	5921	1480	947	658	483	370	292	237	198	164
	D	015	080	093	134	182	238	301	373	451	535
	C	2980	1480	1184	987	848	740	658	592	538	493
1-1/2" x 1/8"	U	5884	1421	910	632	484	365	281	227	188	158
	D	012	050	078	112	152	198	252	310	378	447
	C	2842	1421	1137	947	812	711	632	588	517	474
1-1/2" x 3/16"	U	8528	2132	1384	947	698	533	421	341	282	237
	D	012	050	078	112	152	199	251	310	378	447
	C	4283	2132	1705	1421	1218	1088	947	853	775	711
1-3/4" x 3/16"	U	11605	2901	1857	1289	947	725	573	484	384	322
	D	011	043	087	096	130	170	215	268	322	383
	C	5803	2901	2321	1934	1658	1451	1289	1161	1055	957
2" x 3/16"	U	15158	3790	2425	1684	1237	947	749	608	501	421
	D	009	037	058	084	114	149	189	233	282	335
	C	7579	3790	3032	2528	2185	1895	1684	1518	1378	1293
2-1/4" x 3/16"	U	19184	4798	3070	2132	1588	1199	947	787	634	533
	D	008	033	052	074	101	132	168	207	250	298
	C	9592	4798	3837	3197	2741	2398	2132	1918	1744	1599
2-1/2" x 3/16"	U	23884	5921	3790	2632	1933	1480	1170	947	783	658
	D	007	030	047	087	091	119	151	188	225	268
	C	11842	5921	4737	3947	3383	2981	2632	2398	2153	1974

Spans in shaded area produce a deflection of 1/4" or less under a uniform load of 100 pounds per square foot. This deflection is recommended as the maximum to provide pedestrian comfort. It can be exceeded at the discretion of the engineer.

CONVERSION TABLE - To determine load for types shown below, multiply value above by the corresponding load factor. Deflection under the factored loads will be same as shown in load table.									
Series	SGW, SGW-2, GCC, GDD	GCM-1	GCM-2	GCM-3	GCM-4	GCM-5	GM GO	GO GR	GWH GV
Load Factor	1.27	2.70	2.35	1.90	1.72	1.45	1.15	1.61	.82 .58