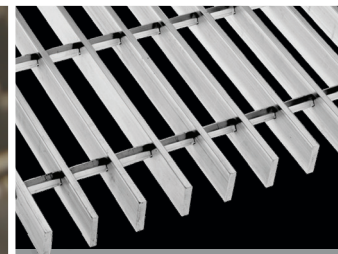
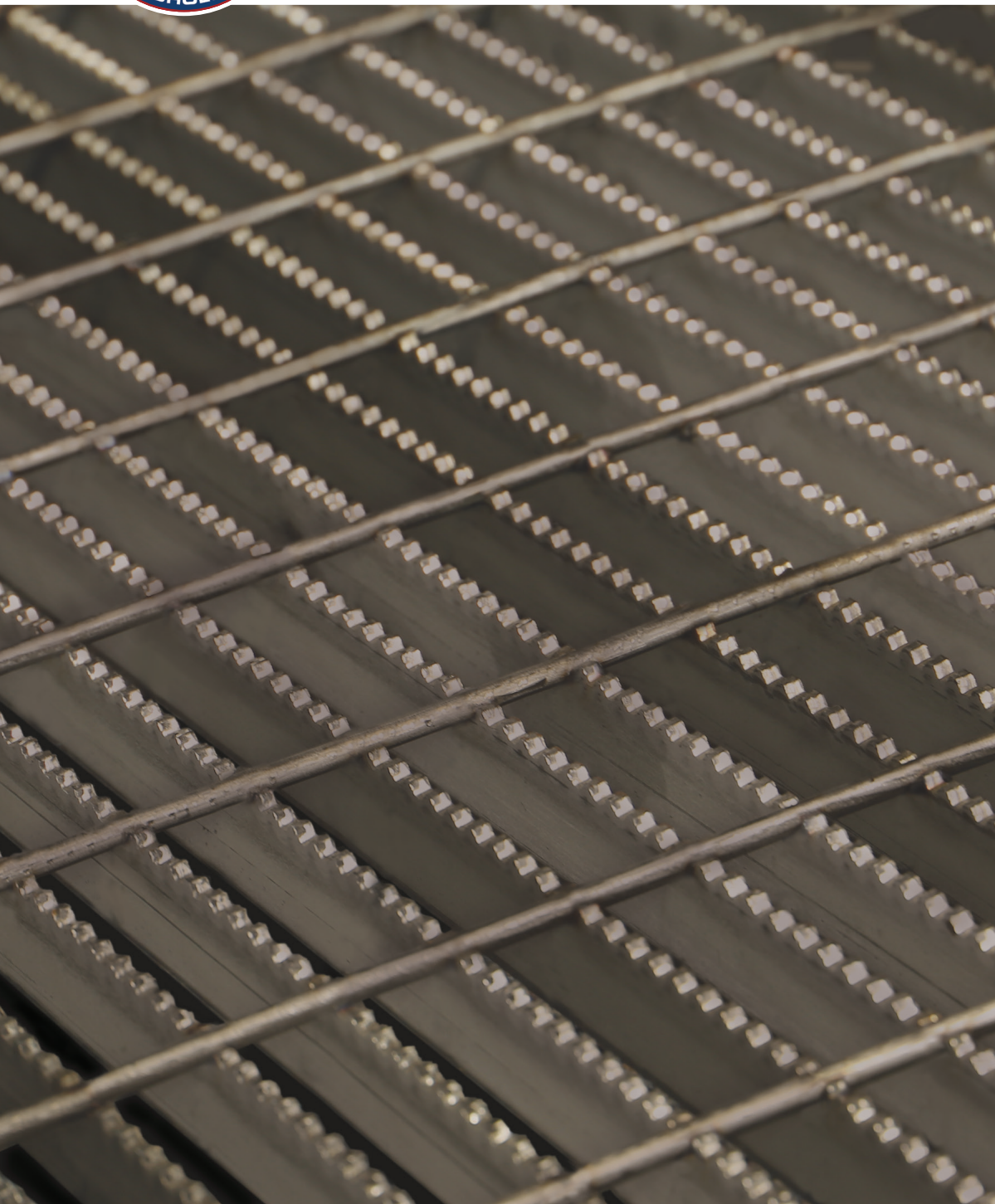




McNICHOLS®

GC18

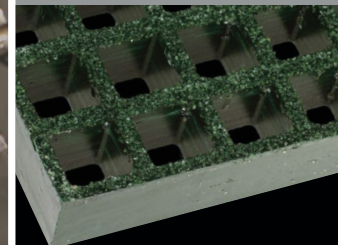
GRATINGS CATALOG



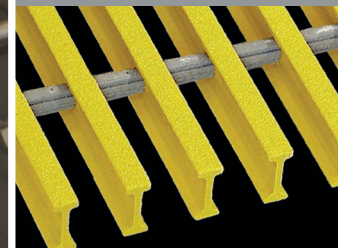
BAR GRATING



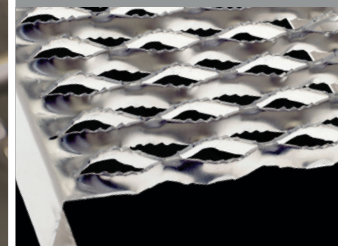
SAFE-T-GRID®



MOLDED FIBERGLASS



PULTRUDED FIBERGLASS



GRIP STRUT®



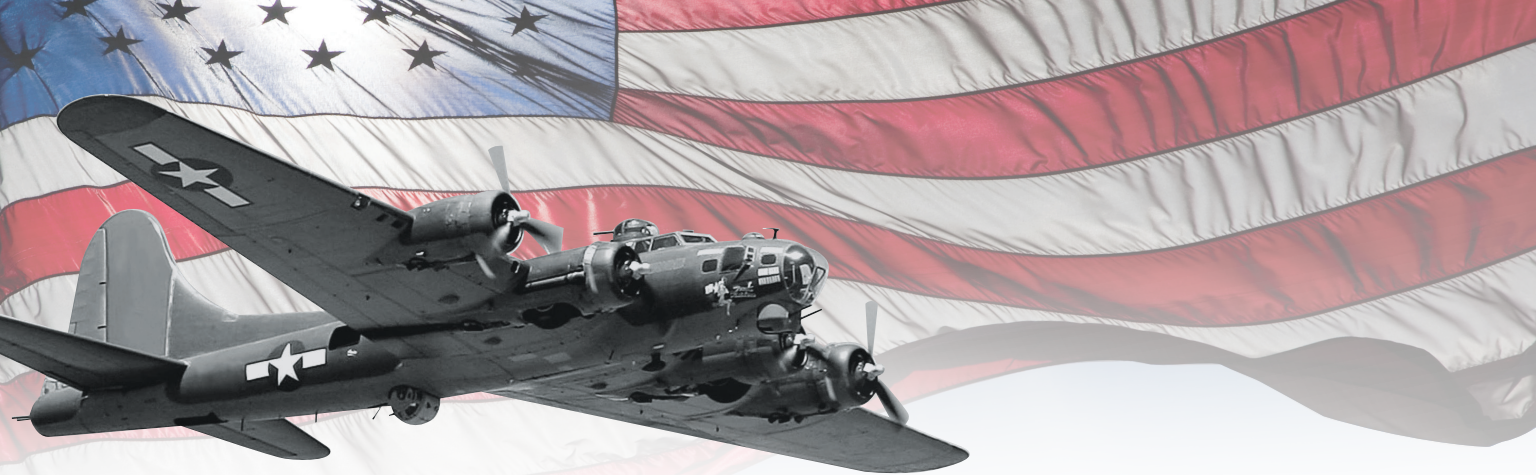
McNICHOLS CO.

800.237.3820

800.237.9212 (español)

mcnichols.com





The sole survivor of a Boeing B-17 Flying Fortress shot down over Germany during World War II, Robert L. "Bob" McNichols pledged to lead his life and business according to Christian principles. He believed in the highest level of service, a dedication to his employees and an appreciation for the customers he had the privilege to serve.

Following discovery by a German farmer, Bob was sent to prisoner-of-war camp Stalag Luft I, where he remained until his liberation on May 1, 1945. Seven years to the day after his release from Stalag Luft I, Bob and his wife Phyllis founded **McNICHOLS CO.**

When Bob started the business in 1952, he focused on selling products with "holes" such as Perforated and Expanded Metal. This focus led to the motto "The Hole Story®," which symbolizes the company's philosophy as well as its products. Bob trademarked "The Hole Story®" and advertised it in the 1975 **McNICHOLS®** Master Catalog. This began the tradition of "hole" references such as "Hole Products" and "The Hole Team." After the unexpected loss of Bob in 1981, his son Gene took the reins. Gene carried on his father's legacy by growing the company.

In 1990, Gene introduced the "Service, Quality and Performance" mission. The words embody the spirit of the organization—including its emphasis on customer service, high standards for quality (demonstrated by our ISO 9001:2008 certification) and dedication to performance.

McNICHOLS has grown from a small family business into a national corporation with 19 locations across the country. The essence and spirit of the founder remain ever-present. Bob's faith gave him the courage to build **McNICHOLS** on a Christian foundation. "To God be the Glory" was one of his favorite sayings.

As **McNICHOLS** continues to grow beyond its 65th year in business, the third generation of the McNichols family—as well as every member of The Hole Team—act as stewards of Bob's legacy.

Providing Hole Products Through Superior **Service, Quality and Performance** ... That's The Hole Story®!



Bob McNichols, Founder
(1922 - 1981)



Dear Hole Customer,

Since 1967, we have been mailing **McNICHOLS®** Catalogs to our customers each year. Being in business for more than 65 years, we are confident that our vast inventory selection, convenient locations and knowledgeable product experts are what make **McNICHOLS** your choice for Hole Products. We believe we can help you select the right product for your application.

The **McNICHOLS®** Gratings Catalog is your reference guide to these Hole Products. We offer a wide selection of quality Grating in stock and ready to go! We trust you will find this book an essential tool and resource for your Grating needs. All of the information contained within and additional **McNICHOLS®** Hole Products is available at mcnichols.com.

My grandfather founded our company on one core principle—providing unsurpassed customer service. It is our mission to continue to fulfill his vision of serving customers. We humbly ask that you allow us to serve you!

Inspired to Serve!®

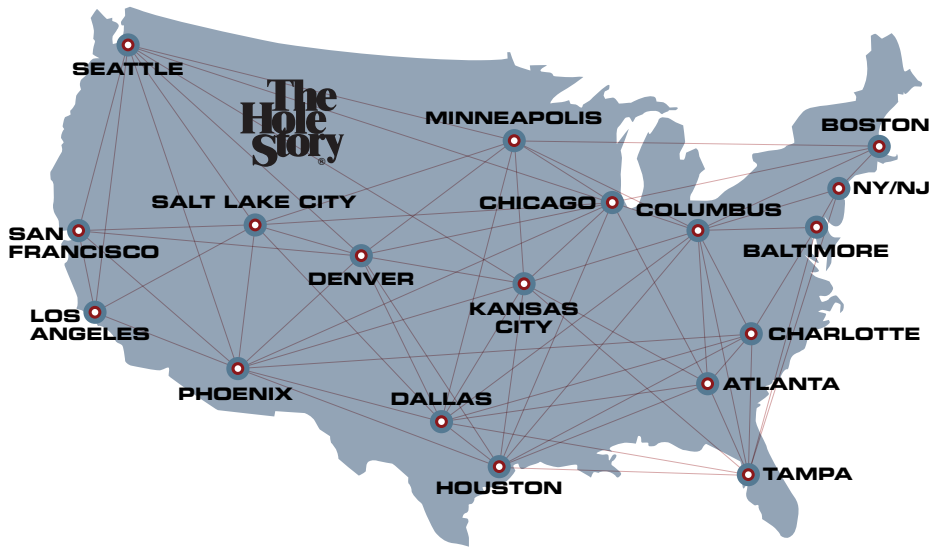
Scott M. McNichols
President

To God Be The Glory!

YOUR HOLE NETWORK

In business for more than 65 years, **McNICHOLS CO.** is the worldwide leader in supplying "Hole Products," including **McNICHOLS®** Perforated and Expanded Metals, Wire Mesh and Designer Metals, as well as a complete line of Metal and Fiberglass Grating and Flooring products. Our Metals Service Centers are strategically located in 19 cities across the country, but are all part of one "Hole Network." Metal processing equipment at each location—as well as industry partnerships—give us the fabrication capabilities to meet your project needs. Customers choose **McNICHOLS** because of our knowledgeable associates, vast product inventory and superior customer service. Please allow us to serve you on your next project!

Inspired to Serve!®



HEADQUARTERS

2502 N. Rocky Point Drive, Ste. 750
Tampa, FL 33607

ATLANTA

1980 Shiloh Road NW
Bldg. 6, #300
Kennesaw, GA 30144

BALTIMORE

9070 Junction Drive, #M
Annapolis Junction, MD 20701

BOSTON

33 High Street
North Billerica, MA 01862

CHARLOTTE

2307 Distribution Ctr. Dr., #F
Charlotte, NC 28269

CHICAGO

2200 Arthur Avenue
Elk Grove Village, IL 60007

COLUMBUS

4740 Poth Road
Whitehall, OH 43213

DALLAS

3540 W. Miller Road, #240
Garland, TX 75041

DENVER

10394 E. 48th Avenue
Denver, CO 80238

HOUSTON

16405 Air Center Blvd., #100
Houston, TX 77032

KANSAS CITY

15341 W. 100th Terrace
Lenexa, KS 66219

LOS ANGELES

14108 Arbor Place
Cerritos, CA 90703

MINNEAPOLIS

22 Fifth Avenue NW
New Brighton, MN 55112

NJ/NYC AREA

2 Home News Row
New Brunswick, NJ 08901

PHOENIX

5780 S. 40th Street
Suite 3
Phoenix, AZ 85040

SALT LAKE CITY

271 W. 12800 South
Suite 210-211
Draper, UT 84020

SAN FRANCISCO

174 Lawrence Drive
Suite G
Livermore, CA 94551

SEATTLE

3400-B Industry Drive East
Fife, WA 98424

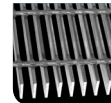
TAMPA

9401 Corporate Lake Drive
Tampa, FL 33634

TABLE OF CONTENTS

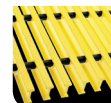


VALUE-ADDED SERVICES 2



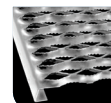
BAR GRATING 3

WELDED	4
HEAVY-DUTY WELDED	5
PEDS & TREADS®	5
SWAGE-LOCKED	6
SAFE-T-GRID®	8
PRESS-LOCKED	9
STAIR TREADS	10



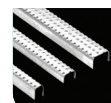
FIBERGLASS GRATING 11

SQUARE MOLDED	12
RECTANGULAR MOLDED	13
PULTRUDED I-BAR	14
PULTRUDED T-BAR	15
PULTRUDED WIDE T-BAR	16
SAFDECK®	17
SAFPLANK®	17
SAFPLATE®	17
CHEMICAL RESISTANCE CHART ...	18



PLANK GRATING 19

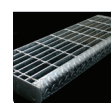
GRIP STRUT®	20
HEAVY-DUTY GRIP STRUT®	22
PERF-O GRIP®	23
TRACTION TREAD®	24
GRATE-LOCK®	25
DIAMONDBACK®	26
HEAVY-DUTY EXTRUDED PLANK ...	26
STAIR TREADS	27



LADDER RUNGS 28



CLIPS & FASTENERS 28



STAIR TREADS 29

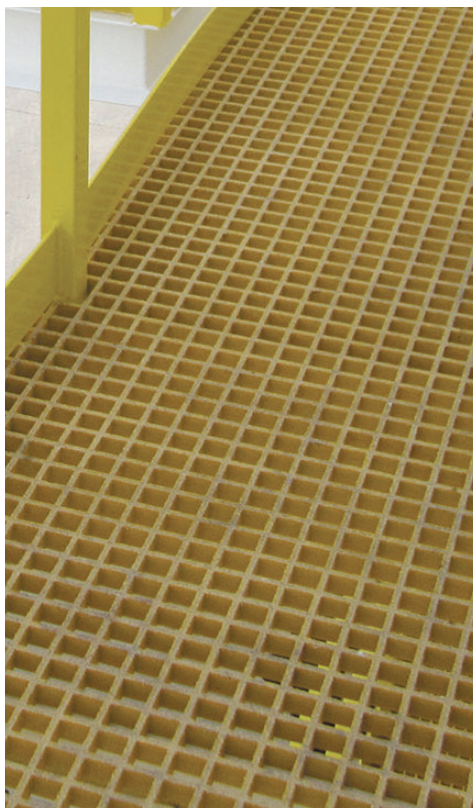


McNICHOLS® HOLE PRODUCTS ARE USED ACROSS MANY INDUSTRIES INCLUDING:

Architectural ■ Construction ■ Distribution ■ Energy ■ Government ■ Hospitality
Maintenance ■ Metal Fabrication ■ Manufacturing ■ Marine ■ Residential ■ Utilities



McNICHOLS® Bar Grating, Swage-Locked, GAL-150, and Press-Locked, GCM-1-150 - CLOSE MESH - Grocery Store Facade



McNICHOLS® Fiberglass Grating, Molded, MS-S-150 - Flooring for Offshore Living Quarters - Oil and Gas Industry



McNICHOLS® Plank Grating, Plank, PERF-O GRIP®, 3-Hole - Agricultural Equipment Stair Treads

McNICHOLS® VALUE-ADDED SERVICES

Print Takeoffs ■ Cut-to-Size ■ Notching ■ Edging ■ Welding ■ Infill Panels ■ Stair Treads ■ Metal Finishes

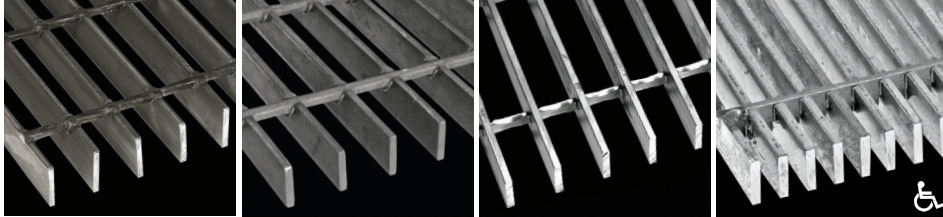
For more than 65 years, customers have made the repetitive choice to trust **McNICHOLS** with their Hole Product needs. Many customers also look to us for Value-Added Services. Whether you need cutting, notching, welding or a particular metal finish for your product selections, **McNICHOLS** has you covered! We look forward to discussing how we can support and serve you!



BAR GRATING

McNICHOLS® Bar Grating is the top choice for strength, safety and overall value! Bar Grating provides a load bearing surface that allows air, light, heat, sound and fluid to pass through. Bar Grating is strong, durable and virtually maintenance-free!

PRODUCT SPECIFICATIONS

CONSTRUCTION TYPES				
	WELDED	HEAVY-DUTY WELDED	SWAGE-LOCKED	PRESS-LOCKED
SERIES NAME	GW, CMW (CLOSE MESH), SGW	GHB, PEDS & TREADS®	GAL, GIA, SFT, TB-940 (SAFE-T-GRID®)	GAA, GCM (CLOSE MESH)
PRODUCT SPACING	19-W-4, 19-W-2, 15-W-4, 15-W-2, 11-W-4,	19-W-4	19-S-4, 19-S-2, 19-SI-4, 15-SI-4, 15-SI-2,	19-P-4, 11-P-4, 8-P-4, 7-P-4,
PRIMARY MATERIAL	Carbon Steel, Carbon Steel (Powder Coated Black), Galvanized Steel, Stainless Steel	Carbon Steel, Galvanized Steel	Aluminum, Stainless Steel	Aluminum, Carbon Steel, Galvanized Steel, Stainless Steel
BAR HEIGHT	3/4" to 2-1/2"	1" to 3"	1" to 2-1/2"	1" to 2"
BAR THICKNESS	1/8", 3/16"	1/4" (5/16", 3/8" by Special Order)	1/8", 3/16", 1/4", 0.940" - TB-940 (SAFE-T-GRID®)	3/16"
PRODUCT SURFACE	Smooth, Serrated	Smooth, Serrated	Smooth, Serrated, Grooved	Smooth, Serrated
% OPEN AREA	68% to 83%	74.5%	20.6% to 83%	55%
STANDARD PANEL SIZE	24" x 240" 24" x 288" 36" x 240" 36" x 288"	24" x 240" 24" x 288" 36" x 240" 36" x 288"	24" x 288" 36" x 288"	36" x 144"

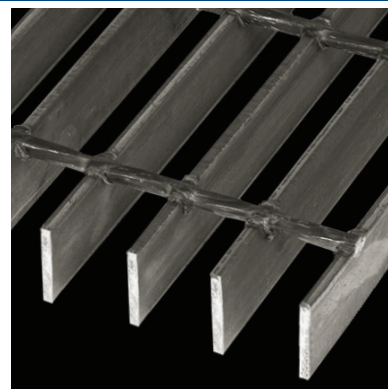
WE ARE READY AND INSPIRED TO SERVE® YOU AT 800.237.3820!



McNICHOLS® Bar Grating, Swage-Locked, GAL-100 - Sunshade, Margarido House, Oakland, CA



McNICHOLS® Bar Grating, Press-Locked, GCM - CLOSE MESH - Display, Harley-Davidson® Museum, Milwaukee, WI



HOW TO ORDER/SPECIFY McNICHOLS® BAR GRATING

The information provided below is your guide for choosing the right **McNICHOLS®** BAR GRATING product for your project. Please specify:

APPLICATION – Bar Grating use and physical requirements (interior or exterior application; loading, span and support requirements; traffic requirements such as pedestrian, ADA, vehicular, hand cart, etc.)

CONSTRUCTION TYPE – Type of construction (Welded, Heavy-Duty Welded, Swage-Locked, Press-Locked, Clinched)

SERIES TYPE & NAME – Type of series (GW-100, GHB-150, GAL-125, etc.)

PRODUCT SPACING – 19-W-4, 15-W-2, etc.

PRIMARY MATERIAL – Type of material (Aluminum, Carbon Steel, Carbon Steel – Powder Coated Black, Galvanized Steel, Stainless Steel)

MATERIAL FINISH – Inventory is typically mill finish for Aluminum, Carbon Steel and Stainless Steel. Hot-Dipped Galvanized, Powder Coated Black or Powder Coated Gray finishes available for many items

BAR SIZE – Bar height and thickness (e.g. 1-1/4" Height x 3/16" Thick)

BAR SHAPE – Rectangular (Aluminum, Steel, Stainless Steel), I-Bar or T-Bar (Aluminum only)

BAR SPACING – Bearing bar and cross bar spacing measured on center (e.g. 19-W-4 is equivalent to 1-3/16" (19/16) bearing bar spacing on center, welded construction, 4" cross bar spacing on center)

PRODUCT SURFACE – Smooth or serrated surface (Aluminum, Steel, Stainless Steel Rectangular Bar), grooved surface (Aluminum I-Bar and T-Bar)

OPEN AREA – Percentage of open area

SPAN – Direction of bearing bars (long span on stock panels runs parallel to the length dimension)

QUANTITY/SIZE(S) – Number of panels (width and length) and/or sizes (cut-to-size pieces, areas, treads) and cut types (random, uniform, equal stub). Areas exceeding standard panel widths provided in multiple pieces to width

SPECIAL – Requirements such as fabrication, banding (trim and/or load) notching, cut-outs, toeboards, stair treads (width, length or span and nosing type), non-standard tolerances, etc.

ACCESSORIES – Quantity and type of Clips or Fasteners/Hardware

WELDED BAR GRATING

McNICHOLS® Welded Bar Grating is a suitable flooring application choice because of its strength, safety and overall value. Welded Bar Grating has a rectangular-shaped bearing bar that is available in a variety of thicknesses, heights, spacings and materials.

GW, CMW & SGW SERIES

McNICHOLS® GW Series Grating will handle most moderate loads and light wheel traffic with its standard bearing bar centers of 1-3/16". **McNICHOLS®** CMW Series CLOSE MESH Grating is suitable for wheelchair traffic and is ADA-compliant. **McNICHOLS®** SGW Series Grating will handle heavier loads than GW Series Grating.



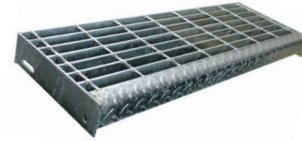
GW SERIES



CMW SERIES



SGW SERIES



Welded Stair Treads
page 29

PRODUCT OPTIONS

Material:	Carbon Steel, Carbon Steel (Powder Coated Black), Galvanized Steel, Stainless Steel
Bar Height:	3/4" to 2-1/2"
Bar Thickness:	1/8", 3/16" (Rectangular)
Surface:	Smooth, Serrated
Standard Size:	24" x 240", 24" x 288", 36" x 240", 36" x 288"

LOAD TABLE: GW, SGW (STEEL)

BEARING BAR SIZE	SPAN (1-3/16" CENTER TO CENTER BAR SPACING)										
	2	26"	3	36"	4	46"	5	56"	6	7	8
3/4" x 1/8"	U 355	227	158	116	89	70					
	D .099	.155	.223	.304	.397	.503					
	C 355	284	237	203	178	158					
	D .079	.124	.179	.243	.318	.402					
3/4" x 3/16"	U 533	341	237	174	133	105					
	D .099	.155	.223	.304	.397	.503					
	C 533	426	355	305	266	237					
	D .079	.124	.179	.243	.318	.402					
1" x 1/8"	U 632	404	281	206	158	125	101	84	70		
	D .074	.116	.168	.228	.298	.377	.466	.563	.670		
	C 632	505	421	361	316	281	253	230	211		
	D .060	.093	.134	.182	.238	.302	.372	.451	.536		
1" x 3/16"	U 947	606	421	309	237	187	152	125	105		
	D .074	.116	.168	.228	.298	.377	.466	.563	.670		
	C 947	758	632	541	474	421	379	344	316		
	D .060	.093	.134	.182	.238	.302	.372	.451	.536		
1-1/4" x 1/8"	U 987	632	439	322	247	195	158	130	110	81	
	D .060	.093	.134	.182	.238	.302	.372	.451	.536	.730	
	C 987	789	658	564	493	439	395	359	329	282	
	D .048	.074	.107	.146	.191	.241	.298	.360	.429	.584	
1-1/4" x 3/16"	U 1480	947	658	483	370	292	237	196	164	121	
	D .060	.093	.134	.182	.238	.302	.372	.451	.536	.730	
	C 1480	1184	987	846	740	658	592	538	493	423	
	D .048	.074	.107	.146	.191	.241	.298	.360	.429	.584	
1-1/2" x 1/8"	U 1421	909	632	464	355	281	227	188	158	116	89
	D .050	.078	.112	.152	.199	.251	.310	.376	.447	.608	.794
	C 1421	1137	947	812	711	632	568	517	474	406	355
	D .040	.062	.089	.122	.159	.201	.248	.300	.358	.487	.636
1-1/2" x 3/16"	U 2132	1364	947	696	533	421	341	282	237	174	133
	D .050	.078	.112	.152	.199	.251	.310	.376	.447	.608	.794
	C 2132	1705	1421	1218	1066	947	853	775	711	609	533
	D .040	.062	.089	.122	.159	.201	.248	.300	.358	.487	.636
1-3/4" x 3/16"	U 2901	1857	1289	947	725	573	464	384	322	237	181
	D .043	.067	.096	.130	.170	.215	.266	.322	.383	.521	.681
	C 2901	2321	1934	1658	1451	1289	1161	1055	967	829	725
	D .034	.053	.077	.104	.136	.172	.213	.257	.306	.417	.545
2" x 3/16"	U 3789	2425	1684	1237	947	749	606	501	421	309	237
	D .037	.058	.084	.114	.149	.189	.233	.282	.335	.456	.596
	C 3789	3032	2526	2165	1895	1684	1516	1379	1263	1083	947
	D .030	.047	.067	.091	.119	.151	.186	.225	.268	.365	.477
2-1/4" x 3/16"	U 4796	3069	2132	1566	1199	947	767	634	533	392	300
	D .033	.052	.074	.101	.132	.168	.207	.250	.298	.406	.530
	C 4796	3837	3197	2741	2398	2132	1918	1744	1599	1370	1199
	D .026	.041	.060	.081	.106	.134	.166	.200	.238	.324	.424
2-1/2" x 3/16"	U 5921	3789	2632	1933	1480	1170	947	783	658	483	370
	D .030	.047	.067	.091	.119	.151	.186	.225	.268	.365	.477
	C 5921	4737	3947	3383	2961	2632	2368	2153	1974	1692	1480
	D .024	.037	.054	.073	.095	.121	.149	.180	.215	.292	.381

U - Uniform Load - Lbs./Square Foot. D - Deflection - in Inches. C - Concentrated Load - Lbs./Square Foot of Width at Mid Span

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

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. Please call us to determine carrying capacity of Gratings subject to such loadings. This technical information provided is as a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.

BAR SPACING: GW, SGW

	GW (19-W-4)		GW-2 (19-W-2)		SGW (15-W-4)		SGW-2 (15-W-2)	
BAR SPACING								
END VIEW (1/8" THICKNESS ALSO AVAILABLE)								
BEARING BAR SIZE	SERIES	#/SF	SERIES	#/SF	SERIES	#/SF	SERIES	#/SF
3/4" x 1/8"	GW-75-A	4.1	GW-75-A-2	5.0	SGW-75-A	5.0	SGW-75-A-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-100-A	5.2	GW-100-A-2	6.1	SGW-100-A	6.4	SGW-100-A-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-125-A	6.3	GW-125-A-2	7.2	SGW-125-A	7.9	SGW-125-A-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-150-A	7.4	GW-150-A-2	8.3	SGW-150-A	9.3	SGW-150-A-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

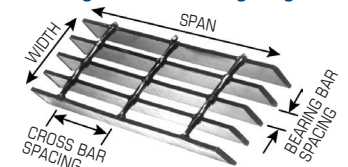
PANEL WIDTHS: GW, SGW

# Bars	GW, GW-2	SGW, SGW-2	# Bars	GW, GW-2	SGW, SGW-2	# Bars	GW, GW-2	SGW, SGW-2
2	1-3/8"	1-1/8"	17	19-3/16"	15-3/16"	32	--	29-1/4"
3	2-9/16"	2-1/16"	18	20-3/8"	16-1/8"	33	--	30-3/16"
4	3-3/4"	3"	19	21-9/16"	17-1/16"	34	--	31-1/8"
5	4-15/16"	3-15/16"	20	22-3/4"	18"	35	--	32-1/16"
6	6-1/8"	4-7/8"	21	23-15/16"	18-15/16"	36	--	33"
7	7-5/16"	5-13/16"	22	25-1/8"	19-7/8"	37	--	33-15/16"
8	8-1/2"	6-3/4"	23	26-5/16"	20-13/16"	38	--	34-7/8"
9	9-11/16"	7-11/16"	24	27-1/2"	21-3/4"	39	--	35-13/16"
10	10-7/8"	8-5/8"	25	28-11/16"	22-11/16"	PLEASE NOTE: Width and length tolerance ± 1/4". Max. width indicated. Wider areas will be made in two or more panels. Panels are available up to 48" by special order. All other widths are cut-to-size. Deduct 1/16" from width for 1/8" bearing bars.		
11	12-1/16"	9-9/16"	26	29-7/8"	23-5/8"			
12	13-1/4"	10-1/2"	27	31-1/16"	24-9/16"			
13	14-7/16"	11-7/16"	28	32-1/4"	25-1/2"			
14	15-5/8"	12-3/8"	29	33-7/16"	26-7/16"			
15	16-13/16"	13-5/16"	30	34-5/8"	27-3/8"			
16	18"	14-1/4"	31	35-13/16"	28-5/16"			

Serrated Surface

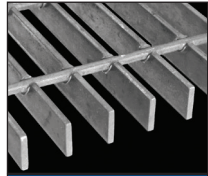


Rectangular Bar Grating Diagram



HEAVY-DUTY WELDED BAR GRATING

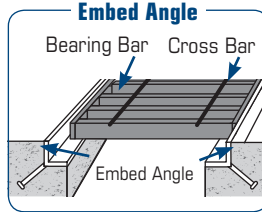
McNICHOLS® Heavy-Duty Welded Bar Grating is your choice for applications requiring maximum load-bearing capability.



GHB SERIES

GHB SERIES

McNICHOLS® GHB Series Grating can handle heavier load requirements with a bearing bar thickness of 1/4" and bar heights from 1" to 3". This Grating is ideal for bridge floors, highways, airport runways or other high-load trench applications.



PRODUCT OPTIONS

Material: Carbon Steel, Carbon Steel (Powder Coated Black), Galvanized Steel
Bar Height: 1" to 3"
Bar Thickness: 1/4" - Rectangular (5/16" or 3/8" - Special Order)
Surface: Smooth, Serrated
Standard Size: 24" x 240", 24" x 288", 36" x 240", 36" x 288"

LOAD TABLE: GHB, GHB-2 (STEEL)

BEARING BAR SIZE		SPAN (1-3/16" CENTER TO CENTER BAR SPACING)														
		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	.021	.047	.083	.129	.186	.253	.331	.419	.518	.627	.745	.875	1.018	1.166	1.329
	C	2807	1872	1404	1123	936	802	702	624	561	510	468	432	401	374	351
	D	.016	.037	.066	.104	.149	.203	.265	.335	.414	.500	.596	.700	.811	.931	1.060
1-1/4" x 1/4"	U	8772	3899	2193	1404	975	716	548	433	351	290	244	208	179	156	137
	D	.017	.037	.066	.104	.149	.203	.265	.335	.414	.501	.597	.701	.811	.931	1.059
	C	4386	2924	2193	1754	1462	1253	1097	975	877	797	731	675	627	585	548
	D	.013	.030	.053	.083	.119	.162	.212	.268	.331	.400	.477	.560	.649	.745	.847
1-1/2" x 1/4"	U	12632	5614	3158	2021	1404	1031	790	624	505	418	351	299	258	225	197
	D	.014	.031	.055	.086	.124	.169	.221	.279	.345	.418	.497	.583	.676	.777	.881
	C	6316	4211	3158	2526	2105	1805	1579	1404	1263	1148	1053	972	902	842	790
	D	.011	.025	.044	.069	.099	.135	.177	.224	.276	.334	.397	.466	.541	.621	.707
1-3/4" x 1/4"	U	17193	7641	4298	2751	1910	1404	1075	849	688	568	478	407	351	306	269
	D	.012	.027	.047	.074	.106	.145	.189	.239	.296	.357	.426	.500	.580	.666	.758
	C	8597	5731	4298	3439	2866	2456	2149	1910	1719	1563	1433	1323	1228	1146	1075
	D	.010	.021	.038	.059	.085	.116	.151	.192	.236	.286	.341	.400	.463	.532	.606
2" x 1/4"	U	22456	9980	5614	3593	2495	1833	1404	1109	898	742	624	532	458	399	351
	D	.010	.023	.041	.065	.093	.127	.166	.210	.259	.313	.373	.438	.507	.582	.662
	C	11228	7485	5614	4491	3743	3208	2807	2495	2246	2041	1871	1727	1604	1497	1404
	D	.008	.019	.033	.052	.075	.101	.132	.168	.207	.250	.298	.350	.406	.466	.530
2-1/2" x 1/4"	U	35088	15595	8772	5614	3899	2864	2193	1733	1404	1160	975	830	716	624	548
	D	.008	.019	.033	.052	.075	.101	.132	.168	.207	.250	.298	.350	.406	.466	.529
	C	17544	11696	8772	7018	5848	5013	4386	3899	3509	3190	2924	2699	2506	2339	2193
	D	.007	.015	.027	.041	.060	.081	.106	.134	.166	.200	.238	.280	.324	.372	.424
3" x 1/4"	U	50527	22456	12632	8084	5614	4125	3158	2495	2021	1670	1404	1196	1031	898	789
	D	.007	.016	.028	.043	.062	.085	.110	.140	.172	.209	.248	.291	.338	.388	.441
	C	25263	16842	12632	10105	8421	7218	6316	5614	5053	4593	4211	3897	3609	3368	3158
	D	.006	.012	.022	.035	.050	.068	.088	.112	.138	.167	.199	.233	.270	.310	.353
3-1/2" x 1/4"	U	68772	30565	17193	11004	7641	5614	4298	3396	2751	2273	1910	1628	1404	1223	1075
	D	.006	.013	.024	.037	.053	.072	.095	.120	.148	.179	.213	.250	.290	.333	.379
	C	34386	22924	17193	13754	11462	9825	8597	7641	6877	6252	5731	5290	4912	4585	4298
	D	.005	.011	.019	.030	.043	.058	.076	.096	.118	.143	.170	.200	.232	.266	.303
4" x 1/4"	U	89825	39922	22456	14372	9981	7333	5614	4436	3593	2969	2495	2126	1833	1597	1404
	D	.005	.012	.021	.032	.047	.063	.083	.105	.129	.156	.186	.219	.253	.291	.331
	C	44913	29942	22456	17965	14971	12832	11228	9981	8983	8166	7485	6910	6416	5988	5614
	D	.004	.009	.017	.026	.037	.051	.066	.084	.104	.125	.149	.175	.203	.233	.265

U - Uniform Load - Lbs./Square Foot. D - Deflection - in Inches

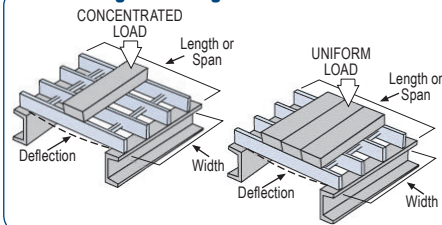
C - Concentrated Load - Lbs./Square Foot of Width at Mid Span

GHB and GHB-2 is welded. This Grating is not normally used for standard floor layouts but is usually selected by engineers for rolling or vehicular loads for narrow space work.

This technical information provided is as a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk.

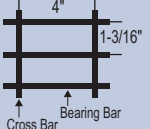
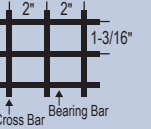
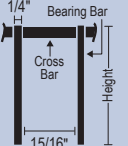
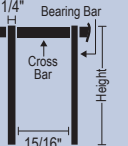
McNICHOLS shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.

Load Diagram Swage-Locked Cross Bars



Heavy-Duty
Welded Stair Treads
page 29

BAR SPACING: GHB, GHB-2

	GHB (19-W-4)		GHB-2 (19-W-2)	
BAR SPACING				
END VIEW (3/8" AND 5/16" THICKNESS ALSO AVAILABLE)				
BEARING BAR SIZE	SERIES	#/SF	SERIES	#/SF
1" x 1/4"	GHB-100	9.8	GHB-100-2	10.7
1-1/4" x 1/4"	GHB-125	12.0	GHB-125-2	12.9
1-1/2" x 1/4"	GHB-150	14.3	GHB-150-2	15.1
1-3/4" x 1/4"	GHB-175	16.5	GHB-175-2	17.4
2" x 1/4"	GHB-200	18.7	GHB-200-2	19.6
2-1/2" x 1/4"	GHB-250	23.2	GHB-250-2	24.0
3" x 1/4"	GHB-300	27.9	--	--

PANEL WIDTHS: GHB, GHB-2

# BARS	BEARING BAR THICKNESS			# BARS	BEARING BAR THICKNESS		
	1/4"	5/16"	3/8"		1/4"	5/16"	3/8"
2	1-7/16"	1-1/2"	1-9/16"	17	19-1/4"	19-5/16"	19-3/8"
3	2-5/8"	2-11/16"	2-3/4"	18	20-7/16"	20-1/2"	20-9/16"
4	3-13/16"	3-7/8"	3-15/16"	19	21-5/8"	21-11/16"	21-3/4"
5	5"	5-1/16"	5-1/8"	20	22-13/16"	22-7/8"	22-15/16"
6	6-3/16"	6-1/4"	6-5/16"	21	24"	24-1/16"	24-1/8"
7	7-3/8"	7-7/16"	7-1/2"	22	25-3/16"	25-1/4"	25-5/16"
8	8-9/16"	8-5/8"	8-11/16"	23	26-3/8"	26-7/16"	26-1/2"
9	9-3/4"	9-13/16"	9-7/8"	24	27-9/16"	27-5/8"	27-11/16"
10	10-15/16"	11"	11-1/16"	25	28-3/4"	28-13/16"	28-7/8"
11	12-1/8"	12-3/16"	12-1/4"	26	29-15/16"	30"	30-1/16"
12	13-5/16"	13-3/8"	13-7/16"	27	31-1/8"	31-3/16"	31-1/4"
13	14-1/2"	14-9/16"	14-5/8"	28	32-5/16"	32-3/8"	32-7/16"
14	15-11/16"	15-3/4"	15-13/16"	29	33-1/2"	33-9/16"	33-5/8"
15	16-7/8"	16-15/16"	17"	30	34-11/16"	34-3/4"	34-13/16"
16	18-1/16"	18-1/8"	18-3/16"	31	35-7/8"	35-15/16"	36"

PEDS & TREADS®



PEDS & TREADS®

McNICHOLS PEDS & TREADS®

Heavy-Duty Welded Steel Grating satisfies both ADA and AASHTO (American Association of State Hwy. and Trans. Officials) requirements. It is ideal for parking garages, sidewalks and pedestrian accessible roadways where ventilation or drainage is required.

SWAGE-LOCKED BAR GRATING

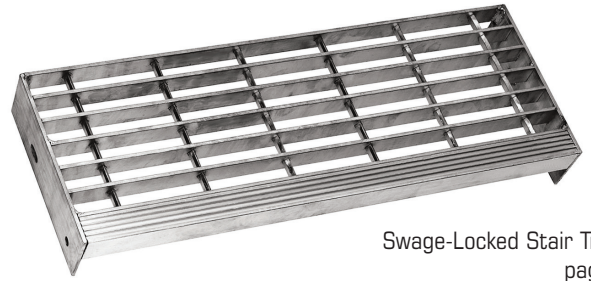
McNICHOLS® Swage-Locked Bar Grating is manufactured using an exclusive swaging (or pinching) and forming process that prevents the cross bars from turning or twisting. These Aluminum-only panels are available in Rectangular Bar, Flush Top, I-Bar and T-Bar styles in a variety of bar heights.



GAL SERIES

GAL SERIES

McNICHOLS® GAL Series Grating is an economical solution for applications requiring high strength and rigidity. GAL Series is lightweight and corrosion-resistant.

Swage-Locked Stair Treads
page 29

PRODUCT OPTIONS

Material: Aluminum
 Bar Height: 1" to 2" (2-1/4" and 2-1/2" Special Order)
 Bar Thickness: 1/8", 3/16" (Rectangular)
 Surface: Smooth, Serrated
 Standard Size: 24" x 240", 24" x 288", 36" x 240", 36" x 288"

LOAD TABLE: GAL (ALUMINUM)

BEARING BAR SIZE	SPAN (1-3/16" CENTER TO CENTER BAR SPACING)										
	2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	7'	8'
1" x 1/8"	U 421	269	187	137	105	83	U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load - Lbs./Square Foot of Width at Mid Span				
	D .144	.225	.324	.441	.576	.729					
	C 421	337	281	241	211	187					
1" x 3/16"	D .115	.180	.259	.353	.461	.583	For Serrated Grating the depth of the Grating will be 1/4" greater than shown in table.				
	U 632	404	281	206	158	125					
	D .144	.225	.324	.441	.576	.729					
1-1/4" x 1/8"	C 632	505	421	361	316	281	For Serrated Grating the depth of the Grating will be 1/4" greater than shown in table.				
	D .115	.180	.259	.353	.461	.583					
	U 658	421	292	215	164	130					
1-1/4" x 3/16"	D .115	.180	.259	.353	.461	.583	105	87	73		
	C 658	526	439	376	329	292	263	239	219		
	D .092	.144	.207	.282	.369	.467	.576	.697	.829		
1-1/2" x 1/8"	U 987	632	439	322	247	195	158	130	110	81	
	D .115	.180	.259	.353	.461	.583	.720	.871	1.037	1.411	
	C 987	789	658	564	493	439	395	359	329	282	
1-1/2" x 3/16"	D .092	.144	.207	.282	.369	.467	.576	.697	.829	1.129	
	U 947	606	421	309	237	187	152	125	105	77	
	D .096	.150	.216	.294	.384	.486	.600	.726	.846	1.176	
2" x 3/16"	C 947	758	632	541	474	421	379	344	316	271	237
	D .077	.120	.173	.235	.307	.389	.480	.581	.691	.811	1.229
	U 1421	909	632	464	355	281	227	188	158	116	89
1-3/4" x 3/16"	D .096	.150	.216	.294	.384	.486	.600	.726	.846	1.176	1.536
	C 1421	1137	947	812	711	632	568	517	474	406	355
	D .077	.120	.173	.235	.307	.389	.480	.581	.691	.811	1.229
2" x 3/16"	U 1934	1238	860	632	484	382	309	256	215	158	121
	D .082	.129	.185	.252	.329	.417	.514	.622	.741	1.008	1.317
	C 1934	1547	1289	1105	967	860	774	703	645	553	484
2" x 3/16"	D .066	.103	.148	.202	.263	.333	.411	.498	.592	.696	1.053
	U 2526	1617	1123	825	632	499	404	334	281	206	158
	D .072	.113	.162	.221	.288	.365	.450	.545	.648	.762	1.152
2-1/4" x 3/16"	C 2526	2021	1684	1444	1263	1123	1011	919	842	722	632
	D .058	.090	.130	.176	.230	.292	.360	.436	.518	.606	.702
	U 3197	2046	1421	1044	799	632	512	423	355	261	200
2-1/2" x 3/16"	D .064	.100	.144	.196	.256	.324	.400	.484	.576	.674	1.024
	C 3197	2558	2132	1827	1599	1421	1279	1163	1066	914	799
	D .051	.080	.115	.157	.205	.259	.320	.387	.461	.542	.627
2-1/2" x 3/16"	U 3947	2526	1754	1289	987	780	632	522	439	322	247
	D .058	.090	.130	.176	.230	.292	.360	.436	.518	.606	.702
	C 3947	3158	2632	2256	1974	1754	1579	1435	1316	1128	987
	D .046	.072	.104	.141	.184	.233	.288	.348	.415	.484	.564

U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load - Lbs./Square Foot of Width at Mid Span

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

This technical information provided is as a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. McNICHOLS shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating. Not recommended for wheel traffic or barefoot pedestrians.

BAR SPACING: GAL

BAR SPACING	GAL (19-S-4)		GAL-2 (19-S-2)	
	Diagram	Dimensions	Diagram	Dimensions
END VIEW (1/8" THICKNESS ALSO AVAILABLE)		4" spacing, 1-3/16" bearing bar height		2" spacing, 1-3/16" bearing bar height
		3/16" cross bar, 1" height		3/16" cross bar, 1" height
BEARING BAR SIZE	SERIES	#/SF	SERIES	#/SF
1" x 1/8"	GAL-100-A	1.8	GAL-100-A-2	2.0
1" x 3/16"	GAL-100	2.6	GAL-100-2	2.8
1-1/4" x 1/8"	GAL-125-A	2.1	GAL-125-A-2	2.4
1-1/4" x 3/16"	GAL-125	3.2	GAL-125-2	3.5
1-1/2" x 1/8"	GAL-150-A	2.5	GAL-150-A-2	2.8
1-1/2" x 3/16"	GAL-150	3.8	GAL-150-2	3.9
1-3/4" x 3/16"	GAL-175	4.3	GAL-175-2	4.4
2" x 3/16"	GAL-200	4.9	GAL-200-2	5.0
2-1/4" x 3/16"	GAL-225	5.3	GAL-225-2	5.6
2-1/2" x 3/16"	GAL-250	5.8	GAL-250-2	6.1



SFT SERIES

SFT SERIES

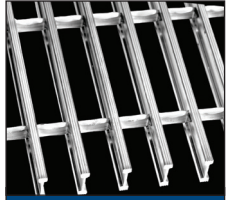
McNICHOLS® SFT Series Grating has cross bars flush with the bearing bars along the top and is the product of choice where standing and walking comfort is a requirement.

CLIPS & FASTENERS

Type CB	Type GFS	Type GG
Type Z	Type J	Type RSSGC1C

A complete list of Clips and Fasteners is available on page 28.

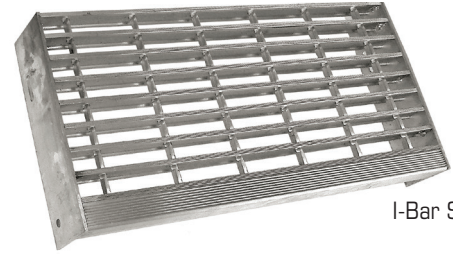
SWAGE-LOCKED BAR GRATING (CONTINUED)



GIA SERIES

GIA SERIES

McNICHOLS® GIA Series I-Bar Grating has I-shaped bearing bars that are locked in place by swaging the cross bars. This Grating series is an economical solution for applications requiring high strength and rigidity and is ideal for light pedestrian traffic. Made of Aluminum, this series is also lightweight and corrosion-resistant.

I-Bar Stair Treads
page 29

PRODUCT OPTIONS

Material:	Aluminum
Bar Height:	1" to 2" (2-1/4", 2-1/2" Special Order)
Bar Thickness:	1/4" (I-Bar)
Surface:	Grooved
Standard Size:	24" x 240", 24" x 288", 36" x 240", 36" x 288"

LOAD TABLE: GIA, SGIA (ALUMINUM)

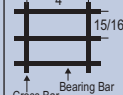
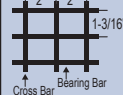
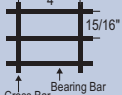
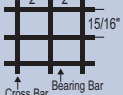
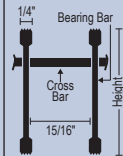
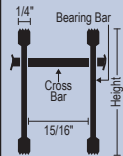
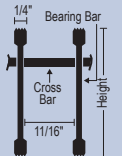
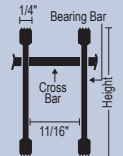
BEARING BAR SIZE	SPAN (1-3/16" CENTER TO CENTER BAR SPACING)										
	2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	7'	8'
1" I-Bar	U 632	404	281	206	158	125	To determine load for SGIA or SGIA-2, multiply value at left by the load factor of 1.27. Deflection under the factored loads will be same as shown in the load table.				
	D .144	.225	.324	.441	.576	.729					
	C 632	505	421	361	316	281					
	D .115	.180	.259	.353	.461	.583					
1-1/4" I-Bar	U 987	632	439	322	247	195	158	130	110	81	
	D .115	.180	.259	.353	.461	.583	.720	.871	1.037	1.411	
	C 987	789	658	564	493	439	395	359	329	282	
	D .092	.144	.207	.282	.368	.467	.576	.697	.829	1.129	
1-1/2" I-Bar	U 1421	909	632	464	355	281	227	188	158	116	89
	D .096	.150	.216	.294	.384	.486	.600	.726	.864	1.176	1.536
	C 1421	1137	947	812	711	632	568	517	474	406	355
	D .077	.120	.173	.235	.307	.389	.480	.581	.691	.941	1.229
1-3/4" I-Bar	U 1934	1238	860	632	484	382	309	256	215	158	121
	D .082	.129	.185	.252	.329	.417	.514	.622	.741	1.008	1.317
	C 1934	1547	1289	1105	967	860	774	703	645	553	484
	D .066	.103	.148	.202	.263	.333	.411	.498	.592	.806	1.053
2" I-Bar	U 2526	1617	1123	825	632	499	404	334	281	206	158
	D .072	.113	.162	.221	.288	.365	.450	.545	.648	.882	1.152
	C 2526	2021	1684	1444	1263	1123	1011	919	842	722	632
	D .058	.090	.130	.176	.230	.292	.360	.436	.518	.706	.922
2-1/4" I-Bar	U 3197	2046	1421	1044	799	632	512	423	355	261	200
	D .064	.100	.144	.196	.256	.324	.400	.484	.576	.784	1.024
	C 3197	2558	2132	1827	1599	1421	1279	1163	1066	914	799
	D .051	.080	.115	.157	.205	.259	.320	.387	.461	.627	.819
2-1/2" I-Bar	U 3947	2526	1754	1289	987	780	632	522	439	322	247
	D .058	.090	.130	.176	.230	.292	.360	.436	.518	.706	.922
	C 3947	3158	2632	2256	1974	1754	1579	1435	1316	1128	987
	D .046	.072	.104	.141	.184	.233	.288	.348	.415	.564	.737

U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches
C - Concentrated Load - Lbs./Square Foot of Width at Mid Span

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

This technical information provided is as a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating. Not recommended for wheel traffic or barefoot pedestrians.

BAR SPACING: GIA, SGIA

	GIA (19-SI-4)	GIA-2 (19-SI-2)	SGIA (15-SI-4)	SGIA-2 (15-SI-2)				
BAR SPACING								
END VIEW								
BEARING BAR SIZE	SERIES	#/SF	SERIES	#/SF	SERIES	#/SF	SERIES	#/SF
1" x 1/4"	GIA-100	2.0	GIA-100-2	2.1	SGIA-100	2.3	SGIA-100-2	2.5
1-1/4" x 1/4"	GIA-125	2.3	GIA-125-2	2.5	SGIA-125	2.8	SGIA-125-2	2.9
1-1/2" x 1/4"	GIA-150	2.6	GIA-150-2	2.8	SGIA-150	3.2	SGIA-150-2	3.4
1-3/4" x 1/4"	GIA-175	3.0	GIA-175-2	3.3	SGIA-175	3.7	SGIA-175-2	3.9
2" x 1/4"	GIA-200	3.4	GIA-200-2	3.7	SGIA-200	4.2	SGIA-200-2	4.4
2-1/4" x 1/4"	GIA-225	3.8	GIA-225-2	4.0	SGIA-225	4.6	SGIA-225-2	4.9
2-1/2" x 1/4"	GIA-250	4.0	GIA-250-2	4.2	SGIA-250	4.9	SGIA-250-2	5.1

PANEL WIDTHS: GIA, SGIA

#BARS	GIA, GIA-2	SGIA	#BARS	GIA, GIA-2	SGIA	#BARS	GIA, GIA-2	SGIA
1	1-7/16"	1-3/16"	14	16-7/8"	13-3/8"	27	32-5/16"	25-9/16"
2	2-5/8"	2-1/8"	15	18-1/16"	14-5/16"	28	33-1/2"	26-1/2"
3	3-13/16"	3-1/16"	16	19-1/4"	15-1/4"	29	34-11/16"	27-7/16"
4	5"	4"	17	20-7/16"	16-3/16"	30	35-7/8"	28-3/8"
5	6-3/16"	4-15/16"	18	21-5/8"	17-1/8"	31	--	29-5/16"
6	7-3/8"	5-7/8"	19	22-13/16"	18-1/16"	32	--	30-1/4"
7	8-9/16"	6-13/16"	20	24"	19"	33	--	31-3/16"
8	9-3/4"	7-3/4"	21	25-3/16"	19-15/16"	34	--	32-1/8"
9	10-15/16"	8-11/16"	22	26-3/8"	20-7/8"	35	--	33-1/16"
10	12-1/8"	9-5/8"	23	27-9/16"	21-13/16"	36	--	34"
11	13-5/16"	10-9/16"	24	28-3/4"	22-3/4"	37	--	34-15/16"
12	14-1/2"	11-1/2"	25	29-15/16"	23-11/16"	38	--	35-7/8"
13	15-11/16"	12-7/16"	26	31-1/8"	24-5/8"	--	--	--



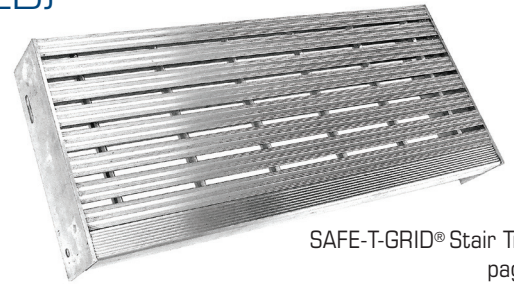
McNICHOLS® Bar Grating, Swage-Locked, GAL-150 - Stair Treads - Margarido House, Oakland, CA

SWAGE-LOCKED BAR GRATING (CONTINUED)



SAFE-T-GRID®

McNICHOLS SAFE-T-GRID® Grating is configured with extruded T-shaped bearing bars and extruded cross bars that are locked together by swaging for a high strength and rigid construction. The large T-Bar surface makes it ideal for pedestrian traffic. TB-940 meets the spacing requirements of the Americans with Disabilities Act (ADA).



SAFE-T-GRID® Stair Treads
page 29

PRODUCT OPTIONS

Material:	Aluminum
Bar Height:	1", 1-1/4", 1-1/2" [2" Special]
Surface:	Grooved (GRIP TIGHT® Available)
Standard Size:	36-1/4" x 288" TB-626 (Special Order) 36-9/16" x 288" TB-940 (ADA Approved)

LOAD TABLE: SAFE-T-GRID® (ALUMINUM)

HEIGHT	TYPE	U	2'	2' 6"	3'	3' 6"	4'	4' 6"	5'	5' 6"	6'	6' 6"	7'	7' 6"	8'
1"	TB-626	U	990	634	440	323	248	196	158	131	110	94	81	70	62
		D	.136	.212	.305	.415	.544	.688	.846	1.027	1.221	1.437	1.666	1.897	2.175
		C	990	792	660	566	495	440	396	360	330	305	283	264	248
		D	.109	.170	.244	.333	.434	.549	.678	.821	.977	1.148	1.330	1.526	1.740
1"	TB-940	U	1051	673	467	343	263	208	168	139	117	100	86	75	66
		D	.125	.195	.281	.382	.500	.633	.779	.944	1.125	1.325	1.532	1.761	2.006
		C	1051	841	701	601	526	467	420	382	350	323	300	280	263
		D	.100	.156	.225	.306	.400	.505	.623	.755	.898	1.053	1.222	1.403	1.599
1-1/4"	TB-626	U	1516	970	674	495	379	299	243	200	168	144	124	108	95
		D	.108	.169	.243	.331	.432	.546	.676	.815	.969	1.145	1.326	1.522	1.733
		C	1516	1213	1011	866	758	674	606	551	505	466	433	404	379
		D	.086	.135	.194	.265	.346	.438	.540	.653	.777	.912	1.058	1.214	1.382
1-1/4"	TB-940	U	1738	1112	773	568	435	343	278	230	193	165	142	124	109
		D	.097	.151	.218	.297	.387	.489	.605	.732	.870	1.025	1.186	1.365	1.553
		C	1738	1391	1159	993	869	773	695	632	579	535	497	464	435
		D	.077	.121	.174	.237	.310	.392	.484	.585	.696	.818	.949	1.090	1.240
1-1/2"	TB-626	U	2021	1293	898	660	505	399	323	267	225	191	165	144	126
		D	.091	.142	.205	.279	.364	.461	.569	.689	.822	.961	1.117	1.284	1.455
		C	2021	1617	1347	1155	1011	898	808	735	674	622	577	539	505
		D	.073	.114	.164	.223	.292	.369	.455	.551	.657	.770	.892	1.025	1.166
1-1/2"	TB-940	U	2344	1500	1042	766	586	463	375	310	260	222	191	167	147
		D	.082	.128	.184	.251	.327	.414	.512	.619	.736	.865	1.001	1.153	1.314
		C	2344	1876	1563	1340	1172	1042	938	853	781	721	670	625	586
		D	.065	.102	.147	.201	.262	.332	.410	.496	.589	.692	.803	.921	1.048
2"	TB-626	U	3173	2031	1410	1036	793	627	508	420	353	300	259	226	198
		D	.069	.108	.156	.212	.277	.351	.434	.525	.625	.731	.849	.977	1.108
		C	3173	2538	2115	1813	1587	1410	1269	1154	1058	976	907	846	793
		D	.055	.087	.125	.170	.222	.281	.347	.420	.499	.586	.680	.780	.887
2"	TB-940	U	3719	2380	1653	1214	930	735	595	492	413	352	304	264	232
		D	.063	.098	.141	.192	.251	.318	.392	.475	.565	.663	.770	.881	1.003
		C	3719	2975	2479	2125	1859	1653	1488	1352	1240	1144	1063	992	930
		D	.050	.078	.113	.154	.201	.254	.314	.380	.452	.530	.616	.707	.804

U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load - Lbs./Square Foot of Width at Mid Span
Spans shaded in blue produce a deflection of 1/4" or less under a uniform load of 100 lbs. per square foot. This deflection is recommended as the maximum to provide pedestrian comfort. It can be exceeded at the discretion of the engineer.

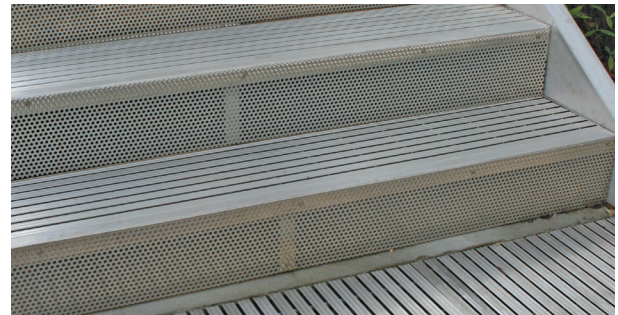
This technical information provided is as a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. McNICHOLS shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating. Not recommended for vehicular traffic or barefoot pedestrians.

BAR SPACING: SAFE-T-GRID®

	TB-626 (19-S-4)					TB-940 (19-S-4)				
BAR SPACING										
END VIEW										
BEARING BAR HEIGHT	BAR THICKNESS	BAR SPACING	#/SF	WIDTHS		BAR THICKNESS	BAR SPACING	#/SF	WIDTHS	
1"	0.626"	0.5615"	2.6	36-1/4"		0.940"	0.2475"	3.0	36-9/16"	
1-1/4"	0.626"	0.5615"	3.1	36-1/4"		0.940"	0.2475"	4.0	36-9/16"	
1-1/2"	0.626"	0.5615"	3.3	36-1/4"		0.940"	0.2475"	4.3	36-9/16"	
2"	0.626"	0.5615"	3.8	36-1/4"		0.940"	0.2475"	4.8	36-9/16"	



McNICHOLS SAFE-T-GRID® - Pedestrian Entryway Flooring



McNICHOLS SAFE-T-GRID® - Stair Treads with Round Hole Perforated Metal Stair Risers - Apartment Houses, St. Petersburg, FL

PRESS-LOCKED BAR GRATING

McNICHOLS® Press-Locked Bar Grating cross bars and bearing bars are notched and pressed together through a high-pressure manufacturing process. The result is a bi-directional flush surface that assures a firm, rigid connection and is aesthetically appealing for architectural applications.



GCM SERIES



GAA SERIES

GCM (CLOSE MESH) & GAA SERIES

McNICHOLS® Press-Locked GCM Series CLOSE MESH Grating is formed by pressing the cross bars and bearing bars together through a high-pressure process. The GCM Series Grating offers bearing bar spacings that are ADA compliant. GCM-1 Grating, a good choice for ADA applications, is stocked in 1" x 3/16", 1-1/4" x 3/16" and 1-1/2" bearing bars in both Plain Steel and Aluminum. Other sizes of the GCM-1 material available as Special Order items, including 1/8" and 3/16" bearing bar thicknesses. Other GCM Series and GAA Grating are also available as a Special Order.

McNICHOLS® Press-Locked GAA Series Grating is formed by pressing the cross bars into the bearing bars, flush top under tremendous pressure, laterally displacing 1/16" of cross bar material into the dovetail slot.

PRODUCT OPTIONS

Material:	Aluminum, Carbon Steel, Galvanized Steel, Stainless Steel
Bar Height:	3/4" to 2-1/2" (1", 1-1/4" and 1-1/2" Stock; All other sizes available by Special Order)
Bar Thickness:	3/16" - Rectangular (1/8" Special Order)
Surface:	Smooth, Serrated
Standard Size:	36" x 144"

LOAD TABLE: GCM-1 (ALUMINUM)

BEARING BAR SIZE	SPAN (7/16" CENTER TO CENTER BAR SPACING)															
	1'	1'6"	2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	
3/4" x 3/16"	U 3587	1714	964	617	429	315	241	190	154	127	107	91	79	69	60	
	D .048	.108	.192	.300	.432	.588	.768	.970	1.198	1.446	1.726	2.022	2.360	2.717	3.058	
	C 1928	1286	964	771	643	551	482	429	386	351	321	297	275	257	241	
	D .038	.086	.154	.240	.346	.470	.614	.778	.961	1.163	1.381	1.624	1.878	2.159	2.457	
1" x 3/16"	U 6857	3047	1714	1097	762	560	429	339	274	227	190	162	140	122	107	
	D .036	.081	.144	.225	.324	.441	.577	.730	.899	1.090	1.293	1.518	1.765	2.026	2.301	
	C 3428	2286	1714	1371	1143	980	857	762	686	623	571	527	490	457	429	
	D .029	.065	.115	.180	.259	.353	.461	.583	.720	.871	1.036	1.216	1.412	1.619	1.845	
1-1/4" x 3/16"	U 10714	4762	2679	1714	1190	875	670	529	429	351	298	254	219	190	167	
	D .029	.065	.115	.180	.259	.353	.461	.583	.721	.871	1.038	1.219	1.413	1.616	1.839	
	C 5357	3571	2679	2143	1786	1531	1339	1190	1071	974	893	824	765	714	670	
	D .023	.052	.092	.144	.207	.282	.369	.466	.576	.697	.830	.973	1.128	1.295	1.475	
1-1/2" x 3/16"	U 15429	6857	3857	2469	1714	1259	964	762	617	510	429	365	315	274	241	
	D .024	.054	.096	.150	.216	.294	.384	.486	.600	.726	.865	1.014	1.177	1.349	1.536	
	C 7714	5143	3857	3086	2571	2204	1929	1714	1543	1403	1286	1187	1102	1029	964	
	D .019	.043	.077	.120	.173	.235	.307	.389	.480	.581	.691	.811	.941	1.080	1.228	
1-3/4" x 3/16"	U 21000	9333	5250	3360	2333	1714	1313	1037	840	694	583	497	430	373	328	
	D .021	.046	.082	.129	.185	.252	.329	.417	.514	.622	.740	.869	1.009	1.156	1.316	
	C 10500	7000	5250	4200	3500	3000	2625	2333	2100	1909	1750	1615	1500	1400	1313	
	D .016	.037	.066	.103	.148	.202	.263	.333	.411	.498	.592	.695	.806	.926	1.054	
2" x 3/16"	U 27429	12191	6857	4389	3048	2239	1714	1355	1097	907	762	649	560	488	429	
	D .018	.041	.072	.113	.162	.220	.288	.365	.450	.545	.648	.760	.882	1.013	1.153	
	C 13714	9143	6857	5486	4571	3918	3429	3048	2743	2494	2286	2110	1959	1829	1714	
	D .014	.032	.058	.090	.130	.176	.230	.292	.360	.436	.518	.608	.706	.810	.921	

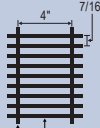
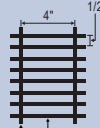
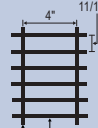
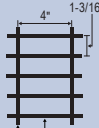
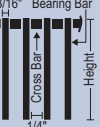
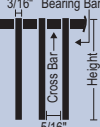
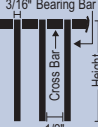
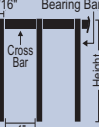
LOAD TABLE: GCM-1 (STEEL)

BEARING BAR SIZE	SPAN (7/16" CENTER TO CENTER BAR SPACING)															
	1'	1'6"	2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	
3/4" x 3/16"	U 5785	2571	1446	926	643	472	362	286	231	191	161	137	118	103	90	
	D .025	.056	.099	.155	.224	.304	.398	.503	.620	.750	.895	1.049	1.216	1.399	1.582	
	C 2893	1928	1446	1157	964	826	723	643	579	526	482	445	413	386	362	
	D .020	.045	.079	.124	.179	.243	.318	.402	.497	.601	.715	.839	.973	1.118	1.273	
1" x 3/16"	U 10285	4571	2571	1646	1143	840	643	508	411	340	286	243	210	183	161	
	D .019	.042	.074	.116	.168	.228	.298	.377	.465	.563	.671	.785	.913	1.048	1.194	
	C 5143	3428	2571	2057	1714	1469	1286	1143	1029	935	857	791	735	686	643	
	D .015	.034	.060	.093	.134	.182	.238	.302	.373	.451	.536	.629	.730	.838	.954	
1-1/4" x 3/16"	U 16072	7143	4018	2571	1786	1312	1004	794	643	531	446	380	328	286	251	
	D .015	.034	.060	.093	.134	.182	.238	.302	.372	.450	.536	.629	.730	.839	.953	
	C 8036	5357	4018	3214	2679	2296	2009	1786	1607	1461	1339	1236	1148	1071	1004	
	D .012	.027	.048	.074	.107	.146	.191	.241	.296	.360	.429	.503	.584	.670	.762	
1-1/2" x 3/16"	U 23143	10286	5786	3703	2571	1889	1446	1143	926	765	643	548	472	411	362	
	D .012	.028	.050	.078	.112	.152	.199	.251	.310	.375	.447	.525	.608	.698	.795	
	C 11572	7714	5786	4629	3857	3306	2893	2571	2314	2104	1929	1780	1653	1543	1446	
	D .010	.022	.040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.559	.635	
1-3/4" x 3/16"	U 31500	14000	7875	5040	3500	2571	1969	1556	1260	1041	875	746	643	560	492	
	D .011	.024	.043	.067	.096	.130	.170	.216	.266	.322	.383	.450	.521	.599	.681	
	C 15750	10500	7875	6300	5250	4500	3938	3500	3150	2864	2625	2423	2250	2100	1969	
	D .009	.019	.034	.053	.077	.104	.136	.172	.213	.258	.306	.360	.417	.479	.545	
2" x 3/16"	U 41143	18286	10286	6583	4571	3359	2571	2032	1646	1360	1143	974	840	731	643	
	D .009	.021	.037	.058	.084	.114	.149	.189	.233	.282	.335	.393	.456	.523	.596	
	C 20572	13714	10286	8229	6857	5878	5143	4571	4114	3740	3429	3165	2939	2743	2571	
	D .007	.017	.030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.419	.477	

U - Uniform Load - Lbs./Sq. Ft. D - Deflection - in Inches
C - Concentrated Load - Lbs./Sq. Ft. of Width at Mid Span

Load table for other sizes are available upon request.

BAR SPACING: GCM, GAA

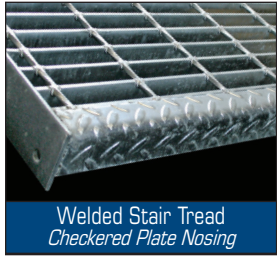
	GCM-1 (7-P-4)		GCM-2 (8-P-4)		GCM-4 (11-P-4)		GAA (19-P-4)	
BAR SPACING								
END VIEW								
BEARING BAR SIZE	SERIES	#/SF	SERIES	#/SF	SERIES	#/SF	SERIES	#/SF
3/4" x 1/8"	--	--	GCM-2-75-A	8.6	--	--	GAA-75-A	4.4
3/4" x 3/16"	GCM-1-75	13.7	GCM-2-75	12.3	GCM-4-75	9.0	GAA-75	5.7
1" x 1/8"	--	--	GCM-2-100-A	11.5	--	--	GAA-100-A	5.2
1" x 3/16"	GCM-1-100	18.1	GCM-2-100	16.5	GCM-4-100	11.9	GAA-100	7.5
1-1/4" x 1/8"	--	--	GCM-2-125-A	14.2	--	--	GAA-125-A	6.3
1-1/4" x 3/16"	GCM-1-125	22.6	GCM-2-125	20.7	GCM-4-125	14.8	GAA-125	9.1
1-1/2" x 1/8"	--	--	GCM-2-150-A	17.2	--	--	GAA-150-A	7.6
1-1/2" x 3/16"	GCM-1-150	27.2	GCM-2-150	25.0	GCM-4-150	17.8	GAA-150	11.0
1-3/4" x 3/16"	GCM-1-175	31.6	GCM-2-175	29.4	GCM-4-175	20.8	GAA-175	12.7
2" x 3/16"	GCM-1-200	36.2	GCM-2-200	33.2	GCM-4-200	23.8	GAA-200	14.3
2-1/4" x 3/16"	GCM-1-225	40.1	GCM-2-225	37.3	GCM-4-225	26.5	GAA-225	16.0
2-1/2" x 3/16"	--	--	GCM-2-250	41.4	GCM-4-250	29.3	GAA-250	17.7

PANEL WIDTHS: GCM, GAA

#BARS	GCM-1	GCM-2	GCM-4	GAA	#BARS	GCM-1	GCM-2	GCM-4	GAA
2	PLEASE NOTE: GCM-1 also available in widths up to 83 bars, GCM-2 available in widths up to 72 bars, GCM-4 available in widths up to 52 bars.			1-3/8"	18	7-5/8"	8-11/16"	11-5/8"	20-3/8"
3				2-9/16"	19	8-1/16"	9-3/16"	12-9/16"	21-9/16"
4				3-3/4"	20	8-1/2"	9-11/16"	13-1/4"	22-3/4"
5	Wider areas will be made in two or more panels. Panels are available up to 48" by special order. All other widths are cut-to-size. Deduct 1/16" from width for 1/8" bearing bars.			4-15/16"	21	8-15/16"	10-3/16"	13-15/16"	23-15/16"
6				6-1/8"	22	9-3/8"	10-11/16"	14-5/8"	25-1/8"
7				7-5/16"	23	9-13/16"	11-3/16"	15-5/16"	26-15/16"
8	Width and length tolerance ± 1/4"			8-1/2"	24	10-1/4"	11-11/16"	16"	27-1/2"
9				9-11/16"	25	10-11/16"	12-3/16"	16-11/16"	28-11/16"
10	4-1/8"	4-11/16"	6-3/8"	10-7/8"	26	11-1/8"	12-11/16"	17-3/8"	29-7/8"
11	4-9/16"	5-3/16"	7-1/16"	12-11/16"	27	11-9/16"	13-3/16"	18-1/16"	31-1/16"
12	5"	5-11/16"	7-3/4"	13-1/4"	28	12"	13-11/16"	18-3/4"	32-1/4"
13	5-7/16"	6-3/16"	8-7/16"	14-7/16"	29	12-7/16"	14-3/16"	19-7/16"	33-7/16"
14	5-7/8"	6-11/16"	9-1/8"	15-5/8"	30	12-7/8"	14-11/16"	20-1/8"	34-5/8"
15	6-5/16"	7-3/16"	9-13/16"	16-3/16"	31	13-5/16"	15-3/16"	20-13/16"	35-13/16"
16	6-3/4"	7-11/16"	10-1/2"	18"	32	13-3/4"	15-11/16"	21-1/2"	--
17	7-3/16"	8-3/16"	11-3/16"	19-3/16"	--	--	--	--	--

BAR GRATING STAIR TREADS

McNICHOLS® Bar Grating Stair Treads are a top choice for strength, safety and long-term cost savings. Below are just some of the most popular selections. We also have many stair treads **IN STOCK AND READY TO GO!**



Welded Stair Tread
Checkered Plate Nosing

GW SERIES

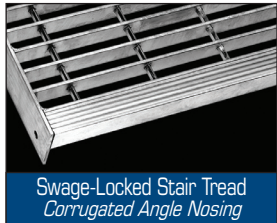
McNICHOLS® Welded GW Series Grating Stair Treads will handle most moderate loads and light wheel traffic with standard bearing bar centers of 1-3/16". For more details on GW Series Grating, please see page 4.



Heavy-Duty Welded Stair Tread
Cast Abrasive Nosing

GHB SERIES

McNICHOLS® Heavy-Duty Welded GHB Series Grating Stair Treads can handle heavier load requirements with a bearing bar thickness of 1/4" and bar heights from 1" to 3". For more details on GHB Series Grating, please see page 5.



Swage-Locked Stair Tread
Corrugated Angle Nosing

GAL SERIES

McNICHOLS® Swage-Locked GAL Series Grating Stair Treads are an economical solution for applications requiring high strength and rigidity. GAL Series is lightweight and corrosion-resistant. For more details on GAL Series Grating, please see page 6.



I-Bar Stair Tread
Corrugated Angle Nosing

GIA SERIES

McNICHOLS® Swage-Locked GIA Series I-Bar Grating Stair Treads are an economical solution for applications requiring high strength and rigidity. GIA Series Stair Treads are lightweight and corrosion-resistant. For more details on GIA Series Grating, please see page 7.



SAFE-T-GRID® Stair Tread
Corrugated Angle Nosing

SAFE-T-GRID®

McNICHOLS® Swage-Locked SAFE-T-GRID® Grating Stair Treads offer comfort and provide a corrosion-resistant walking surface ideal for waste water treatment plants applications, pedestrian bridges, and walkways. For more details on SAFE-T-GRID® Grating, please see page 8.

PRODUCT OPTIONS

Material:	Carbon Steel, Carbon Steel (Powder Coated Black), Galvanized Steel, Stainless Steel
Bar Height:	1", 1-1/4", 1-1/2"
Bar Thickness:	1/8", 3/16" (Rectangular)
Surface:	Smooth, Serrated
Width:	8-9/16", 9-3/4", 10-15/16", 12-1/8"
Length/Span:	In stock or made to order fast!

PRODUCT OPTIONS

Material:	Carbon Steel, Carbon Steel (Powder Coated Black),
Bar Height:	1", 1-1/4", 1-1/2"
Bar Thickness:	1/4" (Rectangular)
Surface:	Smooth, Serrated
Width:	8-9/16", 9-3/4", 10-15/16", 12-1/8"
Length/Span:	In stock or made to order fast!

PRODUCT OPTIONS

Material:	Aluminum
Bar Height:	1", 1-1/4", 1-1/2", 1-3/4"
Bar Thickness:	3/16" (Rectangular)
Surface:	Smooth, Serrated
Width:	8-9/16", 9-3/4", 10-15/16", 12-1/8"
Length/Span:	In stock or made to order fast!

PRODUCT OPTIONS

Material:	Aluminum
Bar Height:	1", 1-1/4", 1-1/2", 1-3/4"
Bar Thickness:	1/4" (I-Bar)
Surface:	Grooved
Width:	8-5/8", 9-13/16", 11", 12-3/16"
Length/Span:	In stock or made to order fast!

PRODUCT OPTIONS

Material:	Aluminum
Bar Height:	1", 1-1/4", 1-1/2"
Bar Thickness:	Please see Bar Spacing chart on page 30.
Surface:	Grooved (GRIP TIGHT® Available)
Length/Span:	In stock or made to order fast! Lengths up to 42" for 1-1/2" height TB-940 only.

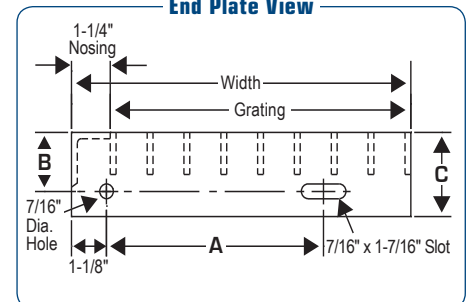
MAXIMUM STAIR TREAD SPANS

	RECTANGULAR BAR 1-3/16" CTC BB		I-BAR 1-3/16" CTC BB	
	BEARING BAR SIZE	MAXIMUM TREAD SPAN	BEARING BAR SIZE	MAX. TREAD SPAN
ALUMINUM	1" x 3/16"	28"	--	1" x 1/4" 28"
	1-1/4" x 3/16"	34"	31"	1-1/4" x 1/4" 34"
	1-1/2" x 3/16"	42"	38"	1-1/2" x 1/4" 42"
	1-3/4" x 3/16"	51"	46"	1-3/4" x 1/4" 51"
STEEL	3/4" x 3/16"	28"	--	PLEASE NOTE: Maximum tread length/span based on 300 lb. concentrated load on front 5 inches of tread at center of tread length.
	1" x 3/16"	41"	34"	
	1-1/4" x 3/16"	56"	50"	
	1-1/2" x 3/16"	66"	63"	

END PLATE DIMENSIONS

GW/GAL SERIES				
WIDTH	HEIGHT	A	B	C
5", 6-3/16"	1" - 1-1/4"	2-1/2"	1-3/4"	2-1/2"
5", 6-3/16"	1-1/2" - 2-1/2"	2-1/2"	2-1/4"	3"
7-3/8", 8-9/16"	1" - 1-1/4"	4-1/2"	1-3/4"	2-1/2"
7-3/8", 8-9/16"	1-1/2" - 2-1/2"	4-1/2"	2-1/4"	3"
9-3/4", 10-15/16", 12-1/8"	1" - 1-1/4"	7"	1-3/4"	2-1/2"
9-3/4", 10-15/16", 12-1/8"	1-1/2" - 2-1/2"	7"	2-1/4"	3"

End Plate View



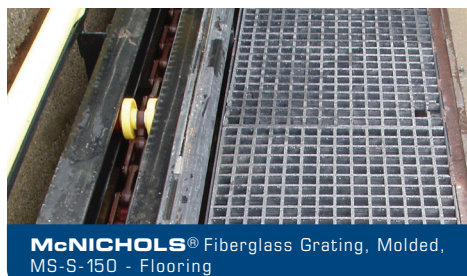
FIBERGLASS GRATING

McNICHOLS® Fiberglass Grating offers a variety of styles, strengths, resins and bearing bar colors. Molded and Pultruded Fiberglass Grating are lightweight, corrosion-resistant, fire-retardant and can be used like traditional Metal Grating but have the inherent benefits of Fiberglass. They are ideal alternatives to Steel Gratings in corrosive environments or when frequent Grating and Walkway replacement costs are prohibitive.

PRODUCT SPECIFICATIONS

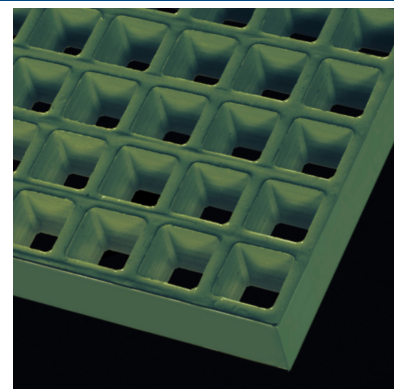
CONSTRUCTION TYPES					
	SQUARE MOLDED	RECTANGULAR MOLDED	PULTRUDED I-BAR	PULTRUDED T-BAR/WIDE T-BAR	DECKING & FLOORING
SERIES TYPE & NAME	Square Grid: MS-S, MS-M	Rectangular Grid: MS-R, MS-T-R, MS-T-C	MS-I-6000 - DURGRID®, MS-I-4000 - DURAGRID®, MS-T-I-6015 - DURAGRID®, MS-I-6515 - DURADEK®	MS-T-5020 - DURAGRID®, MS-WT-1810 - DURAGRID®, MS-WT-1210 - DURAGRID®, MS-WT-3810 - DURAGRID®	SAFDECK®, SAFPLANK®, SAFPLATE®
RESIN	Polyester, Vinyl Ester	Polyester, Vinyl Ester	Polyester, Vinyl Ester, Phenolic	Polyester, Vinyl Ester	Polyester
HEIGHT	1", 1-1/2", 2"	1", 1-1/2"	1", 1-1/2"	1", 1-1/2", 2"	Deck: 1-1/8" Plank: 2" Plate: 0.125", 0.250"
PRODUCT SURFACE	Concave, Grit	Concave, Grit	Fine Grit, Medium Grit, Coarse Grit	Fine Grit, Medium Grit, Coarse Grit	Grit: Punched or Solid Smooth: Punched or Solid
% OPEN AREA	72% to 44%	69% to 65%	40% to 65%	12% to 18%	0% to 4%
STANDARD PANEL SIZE	36" x 120" 48" x 96" 48" x 120" 48" x 144" 60" x 120"	36" x 120" 36" x 144" 48" x 96" 48" x 144"	36" x 240" 48" x 240"	36" x 240" 48" x 240" 48-1/8" x 144"	Deck: 24" x 240", 24" x 288" Plank: 12" & 24" x 144", 240" & 288" Plate: 48" x 96"

WE ARE READY AND INSPIRED TO SERVE® YOU AT 800.237.3820!



McNICHOLS® Fiberglass Grating, Molded,
MS-S-150 - Flooring

FIBERGLASS RESIN CHARACTERISTICS		
RESIN	TYPE	DESCRIPTION
SPF	Polyester	Fire Retardant, Class 1 Flame Rating of 25 or less per ASTM E-84
SVF	Vinyl Ester	Fire Retardant, Class 1 Flame Rating of 25 or less per ASTM E-84
SGF	Polyester	Orthophthalic Polyester Architectural Grade, Fire Retardant, Class 1 Flame Rating of 25 or less per ASTM E-84
SFF	Polyester	Food Grade, Fire Retardant, Class 2 Flame Rating of 30 or less per ASTM E-84
SPH	Phenolic	Fire Retardant, Class 1 Flame Rating of 25 or less per ASTM E-84, Flame Spread 10, Smoke Index 10
NFR	Various Composites	Non-Fire Retardant



HOW TO ORDER/SPECIFY McNICHOLS® FIBERGLASS GRATING

The information provided below is your guide for choosing the right **McNICHOLS®** FIBERGLASS GRATING product for your project. Please specify:

APPLICATION – Fiberglass Grating use and physical requirements:

- Exposure to chemicals and/or extreme temperatures
- Fire retardant rating (*Resin Characteristics* table on this page has additional information)
- Loading, span and support requirements (product load tables in this section have additional information)

CONSTRUCTION TYPE – Molded (Square, Rectangular) or Pultruded (I-Bar, T-Bar, Wide T-Bar)

RESIN & TYPE – Type of Resin (SPF Polyester, SVF Vinyl Ester, SGF Polyester, SFF Polyester, SPH Phenolic)

COLOR – Choose Grating color (e.g. Yellow, Green, etc.)

GRID HEIGHT, SIZE & SHAPE – Molded grid height, grid pattern spacing (measured in inches) and shape (square or rectangular)

BEARING BAR SIZE, SHAPE & SPACING – Pultruded bearing bar height (measured in inches), shape (I-Bar, T-Bar, Wide T-Bar) and spacing (center to center of bearing bars, between bearing bar top flanges, and between bottom bearing bar bottom flanges)

PRODUCT SURFACE – Concave, grit (Molded) or fine, medium or coarse grit (Pultruded)

OPEN AREA – Percentage of open area

SPAN – Direction of Pultruded bearing bars or Molded grid (Rectangular pattern only)

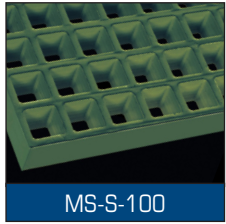
QUANTITY/SIZE(S) – Number of panels and/or sizes (including cut-to-size pieces and stub/cut preferences)

SPECIAL – Requirements like fabrication, notching, cut-outs, stair treads, EXTREN® Structural Shapes and Plate, non-standard tolerances, etc.

ACCESSORIES – Quantity and type of Clips or Fasteners/Hardware

SQUARE MOLDED FIBERGLASS GRATING

McNICHOLS® Square Molded Fiberglass Grating is the economical product of choice where corrosion resistance or fire retardancy is paramount and high impact resistance is desired. When compared to steel, this product is very lightweight but still maintains its ability to support heavy loads.



SQUARE GRID (MS-S)

McNICHOLS® Square Grid MS-S Molded Fiberglass Grating panels are corrosion-resistant and fire-retardant. An optional grit surface provides additional slip-resistant properties. Square Grid Molded Grating has an open area range from 70% to 72%, depending on the grid size.

LOAD TABLE: MS-S-100

SPAN	LOAD	50	100	150	200	250	300	400	500	SAFE LOAD
12"	U	<0.010	<0.010	0.013	0.017	0.021	0.025	0.034	0.042	1360
	C	<0.010	0.014	0.020	0.027	0.034	0.041	0.054	0.068	680
18"	U	0.021	0.041	0.062	0.082	0.103	0.123	0.164	0.205	666
	C	0.022	0.044	0.066	0.088	0.110	0.131	0.175	0.219	500
24"	U	0.064	0.128	0.192	0.256	0.320	0.384	0.512	0.640	380
	C	0.051	0.102	0.154	0.205	0.256	0.307	0.409	0.512	380
30"	U	0.155	0.309	0.464	0.619	--	--	--	--	240
	C	0.099	0.198	0.297	0.396	0.495	0.594	--	--	300
36"	U	0.318	0.635	--	--	MS-S-100 Square Grid Size: 1-1/2" x 1-1/2"				160
	C	0.169	0.339	0.508	0.677					240

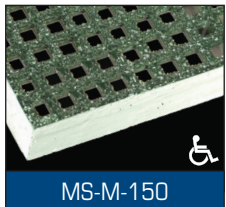
LOAD TABLE: MS-S-150

SPAN	LOAD	50	100	150	200	250	300	400	500	SAFE LOAD
12"	U	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	0.014	0.018	3120
	C	<0.010	<0.010	<0.010	0.011	0.014	0.017	0.023	0.028	1560
18"	U	<0.010	0.014	0.021	0.028	0.036	0.043	0.057	0.071	1386
	C	<0.010	0.015	0.023	0.030	0.038	0.046	0.061	0.076	1040
24"	U	0.021	0.042	0.063	0.084	0.104	0.125	0.167	0.209	780
	C	0.017	0.033	0.050	0.067	0.084	0.100	0.134	0.167	780
30"	U	0.047	0.094	0.141	0.188	0.235	0.283	0.377	0.471	496
	C	0.030	0.060	0.090	0.121	0.151	0.181	0.241	0.301	620
36"	U	0.096	0.192	0.288	0.384	0.480	0.576	--	--	347
	C	0.051	0.102	0.154	0.205	0.256	0.307	0.410	0.512	520
42"	U	0.175	0.350	0.525	--	--	--	--	--	251
	C	0.080	0.160	0.240	0.320	0.400	0.480	0.641	0.801	440
48"	U	0.287	0.573	--	--	--	--	--	--	170
	C	0.115	0.229	0.344	0.459	0.573	0.688	--	--	340

U - Deflection Under Uniform Load
C - Deflection Under Concentrated Load

Safe Load 5:1
Safety Factor

MS-S-150 Square Grid Size: 1-1/2" x 1-1/2"



SQUARE GRID (MS-M)

McNICHOLS® Square Grid MS-M Molded Grating has a grid surface of 3/4" squares, while the bottom grid is made up of 1-1/2" squares. The small surface openings make it ideal for ADA applications with an open area of 44%.

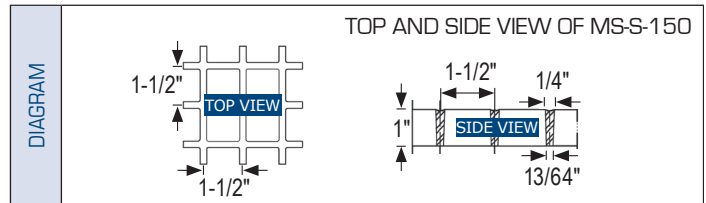
LOAD TABLE: MS-M-150

SPAN	LOAD	50	100	150	200	250	300	400	500	SAFE LOAD
12"	U	<0.010	<0.010	0.011	0.014	0.017	0.021	0.028	0.035	3860
	C	<0.010	0.011	0.017	0.022	0.028	0.034	0.045	0.056	1930
18"	U	0.013	0.026	0.039	0.052	0.065	0.078	0.104	0.130	1776
	C	0.014	0.028	0.042	0.056	0.070	0.084	0.112	0.139	1332
24"	U	0.025	0.050	0.075	0.100	0.126	0.151	0.201	0.251	1052
	C	0.020	0.040	0.060	0.080	0.101	0.121	0.161	0.201	1052
30"	U	0.055	0.110	0.165	0.219	0.274	0.329	0.439	0.548	632
	C	0.035	0.070	0.105	0.140	0.176	0.211	0.281	0.351	790
36"	U	0.087	0.173	0.260	0.346	0.433	0.520	0.692	--	456
	C	0.046	0.092	0.139	0.185	0.231	0.277	0.370	0.462	684
42"	U	0.150	0.300	0.450	0.600	--	--	--	--	392
	C	0.069	0.138	0.207	0.276	--	--	--	--	582
48"	U	0.245	0.490	0.735	--	--	--	--	--	215
	C	0.098	0.196	0.294	--	--	--	--	--	430

U - Deflection Under Uniform Load
C - Deflection Under Concentrated Load

Safe Load 5:1
Safety Factor

PRODUCT DETAILS: SQUARE GRID (MS-S)



OPTIONS	Resin:	SPF, SVF, SGF	Grid Size:	1-1/2" x 1-1/2" Square
	Color:	Dark Gray, Green, Light Gray, Yellow	Surface:	Concave, Grit
	Grid Height:	1-1/2"	Width:	48"
			Length:	144"

STOCK LIST	SERIES	HEIGHT	GRID SIZE	#/SF	% O/A	RESIN/TYPE
	MS-S-100	1"	1-1/2" x 1-1/2"	2.6	70%	For Resin Characteristics, please see page 11.
	MS-S-150	1-1/2"	1-1/2" x 1-1/2"	3.8	70%	
	MS-S-200	2"	2" x 2"	4.0	72%	

LOAD TABLE: MS-S-200

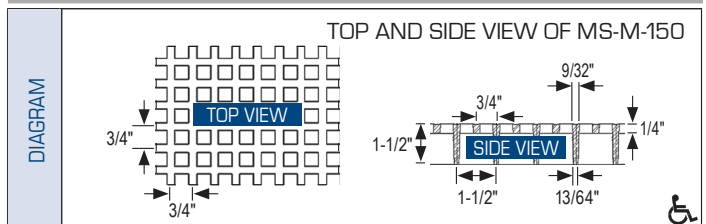
SPAN	LOAD	50	100	150	200	250	300	400	500	SAFE LOAD
12"	U	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	4000
	C	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	0.013	0.016	2000
18"	U	<0.010	<0.010	0.012	0.016	0.020	0.024	0.032	0.040	1813
	C	<0.010	<0.010	0.013	0.017	0.021	0.026	0.034	0.043	1360
24"	U	0.010	0.021	0.031	0.042	0.052	0.063	0.083	0.104	960
	C	<0.010	0.017	0.025	0.033	0.042	0.050	0.067	0.083	960
30"	U	0.023	0.046	0.069	0.092	0.114	0.137	0.183	0.229	640
	C	0.015	0.029	0.044	0.059	0.073	0.088	0.117	0.146	800
36"	U	0.044	0.089	0.133	0.177	0.222	0.266	0.355	0.444	453
	C	0.024	0.047	0.071	0.095	0.118	0.142	0.189	0.237	680
42"	U	0.082	0.164	0.245	0.327	0.409	0.491	0.654	--	331
	C	0.037	0.075	0.112	0.150	0.187	0.224	0.299	0.374	580
48"	U	0.135	0.270	0.405	0.541	--	--	--	--	260
	C	0.054	0.108	0.162	0.216	0.270	0.324	0.432	0.541	520
54"	U	0.210	0.420	0.630	--	--	--	--	--	204
	C	0.075	0.149	0.224	0.298	0.373	0.448	0.597	--	460

U - Deflection Under Uniform Load
C - Deflection Under Concentrated Load

Safe Load 5:1
Safety Factor

MS-S-200 Square Grid Size: 2" x 2"

PRODUCT DETAILS: SQUARE GRID (MS-M)

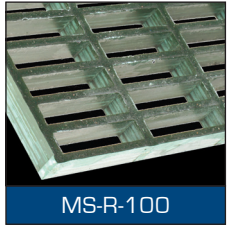


OPTIONS	Resin:	SGF	Grid Size:	Top: 3/4" x 3/4" Square
	Color:	Dark Grey, Green	Bottom:	1-1/2" x 1-1/2" Square
	Grid Height:	1-1/2"	Surface:	Grit
			Width:	48"
			Length:	144"

STOCK LIST	SERIES	HEIGHT	GRID SIZE	#/SF	% O/A	RESIN/TYPE
	MS-M-150	1-1/2"	3/4" x 3/4" (TOP)	4.4	40%	For Resin Characteristics, please see page 11.

RECTANGULAR MOLDED FIBERGLASS GRATING

McNICHOLS® Rectangular Grid Molded Fiberglass Grating panels are corrosion-resistant and fire-retardant. The most popular grid is 1" x 4" with a 1" grid height (1-1/2" x 6" grid is also available). We offer a variety of panel colors, resin types and sizes from stock!



MS-R-100

RECTANGULAR GRID (MS-R)

McNICHOLS® Rectangular Grid Molded Fiberglass Grating Panels have a 1" x 4" or 1-1/2" x 6" rectangular grid and are corrosion-resistant and fire-retardant. The panel surface is available with a concave top or with grit for added slip resistance. Rectangular Grid has an open area range from 67% to 69% depending on the grid size.

LOAD TABLE: MS-R-100

SPAN	LOAD	50	100	150	200	250	300	400	500	SAFE LOAD
12"	U	<.010	<.010	<.010	.011	.014	.017	.022	.028	1960
	C	<.010	<.010	.013	.018	.022	.027	.035	.044	980
18"	U	.012	.025	.037	.049	.062	.074	.099	.123	960
	C	.013	.026	.039	.053	.066	.079	.105	.131	720
24"	U	.037	.074	.112	.149	.186	.223	.298	.372	560
	C	.030	.060	.089	.119	.149	.179	.238	.298	560
30"	U	.088	.176	.264	.352	.440	.528	--	--	336
	C	.056	.113	.169	.225	.282	.338	.451	.563	420
36"	U	.176	.353	.529	--	--	--	--	--	240
	C	.094	.188	.282	.376	.470	.564	--	--	360
42"	U	.316	.632	--	--	--	--	--	--	183
	C	.144	.289	.433	.577	--	--	--	--	320

U - Deflection Under Uniform Load
C - Deflection Under Concentrated Load

Safe Load 5:1
 Safety Factor

MS-R-100 Rectangular Grid Size: 1" x 4"

LOAD TABLE: MS-R-150

SPAN	LOAD	50	100	150	200	250	300	400	500	SAFE LOAD
12"	U	<.010	<.010	<.010	<.010	.011	.014	.018	.023	4272
	C	<.010	<.010	.011	.015	.018	.022	.029	.037	2136
18"	U	<.010	.018	.027	.035	.044	.053	.071	.089	1712
	C	.010	.019	.028	.038	.047	.057	.076	.095	1284
24"	U	.019	.038	.056	.075	.094	.112	.150	.188	956
	C	.015	.030	.045	.060	.075	.090	.120	.150	956
30"	U	.039	.078	.117	.156	.195	.233	.311	.389	587
	C	.025	.050	.075	.100	.125	.150	.200	.250	734
36"	U	.071	.143	.214	.285	.357	.428	--	--	385
	C	.038	.076	.114	.152	.190	.228	.304	.381	578
42"	U	.126	.252	.378	.504	.630	--	--	--	370
	C	.058	.115	.173	.230	.288	.346	.461	--	472
48"	U	.207	.414	.621	--	--	--	--	--	184
	C	.083	.160	.248	.331	.414	.497	--	--	368

U - Deflection Under Uniform Load
C - Deflection Under Concentrated Load

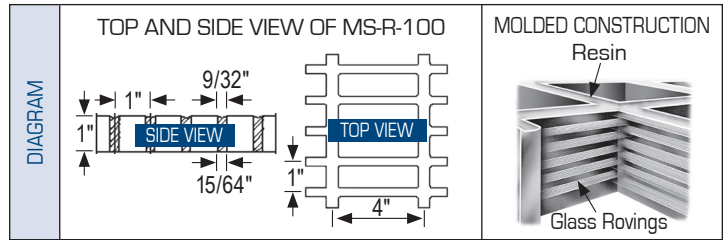
Safe Load 5:1
 Safety Factor

MS-R-150 Rectangular Grid Size: 1-1/2" x 6"

HOLE PRODUCT SAMPLES

NEED A SAMPLE? We are ready and Inspired to Serve® you at **800.237.3820!**

PRODUCT DETAILS: RECTANGULAR GRID



OPTIONS	Resin:	SGF, SVF	Grid Size:	1" x 4" Rectangular, 1-1/2" x 6" Rectangular
	Color:	Dark Gray	Surface:	Concave, Grit
	Grid Height:	1", 1-1/2"	Width:	36", 48"
			Length:	96", 120", 144"

STOCK LIST	SERIES	GRID HEIGHT	GRID SIZE	#/SF	% O/A
	MS-R-100	1"	1" x 4"	2.80	69%
	MS-R-150	1-1/2"	1-1/2" x 6"	3.75	67%

CLIPS & FASTENERS



A complete list of Clips and Fasteners is available on page 28.

FIBERGLASS STAIR TREAD COVER PANEL

MS-T-C	
RESIN & TYPE	SGF Polyester
COLOR	Black with Yellow Nosing
THICKNESS	1/8"
SURFACE	Grit
LIP	2" Yellow Lip
WIDTH	Stock: 9", 10" width; 8", 11", 12" width (Special Order)
LENGTH	144" Panel

FIBERGLASS MOLDED STAIR TREAD PANEL

MS-T-R-150	
RESIN & TYPE	SGF Polyester
COLOR	Gray, Green
GRID HEIGHT	1-1/2"
GRID SIZE	1-1/2" x 6" Rectangular
SURFACE	Grit
NOSING	Integral, both sides of panel
SIZE	Stock: 22-1/2" width x 120" length; Nosing on 120" edges; Treads may be cut to size to width and length desired; common sizes are 7-5/8", 9-1/8" and 10-5/8"
SPAN/ DEFLECTION	31" (1/8" or less deflection) 38" (1/4" or less deflection)

PULTRUDED I-BAR FIBERGLASS GRATING

Combining corrosion resistance, long life and a maintenance-free design, **McNICHOLS®** MS-I-6000 Series DURAGRID® Pultruded I-Bar Fiberglass Grating has I-Bar shaped bearing bars with perpendicular cross bar rods placed every 6 inches. MS-I-6515 - DURADEK® has cross rods placed every 8 inches.



MS-I-6010

MS-I-6010

McNICHOLS® MS-I-6010 - DURAGRID® I-Bar Fiberglass Grating is our most popular Pultruded product. Polyester resin panel bearing bars and cross bar colors may vary from each other. MS-I-6010 has a 1" height with an open area of 60%.

LOAD TABLE: MS-I-6010

SPAN	LOAD	100	200	300	400	500	750	1000	2000	3000	4000	5000	SAFE LOAD
12"	U	.002	.004	.005	.007	.009	.014	.018	.036	.054	.073	.091	10401
	C	.003	.006	.009	.012	.015	.022	.029	.058	.087	.116	.145	5200
18"	U	.008	.017	.025	.033	.042	.063	.084	.167	.251	.335	.418	4954
	C	.009	.018	.027	.036	.045	.067	.089	.179	.268	.357	.446	3716
24"	U	.025	.050	.075	.100	.124	.187	.249	.498	--	--	--	2900
	C	.020	.040	.060	.080	.100	.149	.199	.398	.597	--	--	2900
30"	U	.058	.116	.174	.231	.289	.434	.579	--	--	--	--	1856
	C	.037	.074	.111	.148	.185	.278	.370	--	--	--	--	2320
36"	U	.115	.230	.345	.460	.575	--	--	--	--	--	--	1289
	C	.061	.123	.184	.245	.307	.460	.614	--	--	--	--	1933
42"	U	.211	.422	.633	--	--	--	--	--	--	--	--	943
	C	.096	.193	.289	.386	.482	--	--	--	--	--	--	1649
48"	U	.353	.705	--	--	--	--	--	--	--	--	--	719
	C	.141	.282	.423	.564	--	--	--	--	--	--	--	1437
54"	U	.563	--	--	--	--	--	--	--	--	--	--	566
	C	.200	.400	.600	--	--	--	--	--	--	--	--	1274

U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

Safe Load 2:1

Safety Factor



MS-I-6015

MS-I-6015

McNICHOLS® MS-I-6015 - DURAGRID® I-Bar Fiberglass Grating features an I-Bar shape that provides maximum flexibility in design. The polyester resin panel bearing bars and cross bar colors may vary from each other. MS-I-6015 - DURAGRID® has a 1-1/2" height with an open area of 60%.

LOAD TABLE: MS-I-6015

SPAN	LOAD	100	200	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	SAFE LOAD
12"	U	.001	.001	.002	.003	.003	.005	.006	.013	.019	.026	.032	.038	.045	17601
	C	.001	.002	.003	.004	.005	.008	.010	.020	.031	.041	.051	.061	.072	8800
18"	U	.003	.006	.009	.012	.015	.023	.030	.061	.091	.121	.152	.182	.212	7823
	C	.003	.006	.010	.013	.016	.024	.032	.065	.097	.129	.162	.194	.226	5867
24"	U	.009	.018	.027	.037	.046	.069	.091	.183	.274	.366	.457	.549	.640	4400
	C	.007	.015	.022	.029	.037	.055	.073	.146	.220	.293	.366	.439	.512	4400
30"	U	.022	.043	.065	.086	.108	.161	.215	.430	.646	--	--	--	--	2773
	C	.014	.028	.041	.055	.069	.103	.138	.276	.413	.551	--	--	--	3467
36"	U	.044	.087	.131	.175	.218	.327	.436	--	--	--	--	--	--	1896
	C	.023	.047	.070	.093	.116	.175	.233	.466	--	--	--	--	--	2845
42"	U	.079	.159	.238	.317	.396	.595	--	--	--	--	--	--	--	1361
	C	.036	.072	.109	.145	.181	.272	.362	--	--	--	--	--	--	2381
48"	U	.133	.266	.400	.533	.666	--	--	--	--	--	--	--	--	1017
	C	.053	.107	.160	.213	.266	.400	.533	--	--	--	--	--	--	2033
54"	U	.211	.422	.633	--	--	--	--	--	--	--	--	--	--	777
	C	.075	.150	.225	.300	.375	.563	--	--	--	--	--	--	--	1748

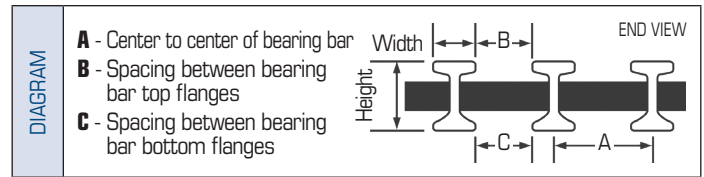
U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

Safe Load 2:1

Safety Factor

PRODUCT DETAILS: I-BAR SERIES



OPTIONS	Resin:	SPF
	Color:	Gray, Yellow
	Bearing Bar Size:	1"x 0.600", 1-1/2" x 0.600"
	Surface:	Medium Grit, Fine Grit
	Width:	36", 48"
	Length:	120", 144", 240"

STOCK LIST	SERIES	BEARING BAR SIZE	#/SF	A	B	C	% O/A
	MS-I-4000 SERIES (PAGE 37)						
	MS-I-4010	1" x 0.600"	3.4	1.000"	0.400"	0.400"	40%
	MS-I-4015	1-1/2" x 0.600"	4.2	1.000"	0.400"	0.400"	40%
	MS-I-6000 SERIES						
	MS-I-6010	1" x 0.600"	2.4	1.500"	0.900"	0.900"	60%
	MS-I-6015	1-1/2" x 0.600"	3.0	1.500"	0.900"	0.900"	60%
	MS-I-6515*	1-1/2" x 0.600"	2.7	1.710"	1.110"	1.110"	65%

*Has 8" Cross Bar Spacing

U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

Safe Load 2:1

Safety Factor



MS-I-6515

MS-I-6515

McNICHOLS® MS-I-6515 - DURADEK® I-Bar Fiberglass Grating is economical and features the traditional I-Bar shape that gives maximum flexibility in design. The product has a 1-1/2" height with perpendicular cross bar rods placed every 8". Open area is 65%.

LOAD TABLE: MS-I-6515

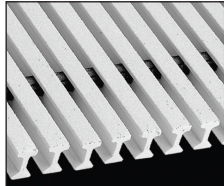
SPAN	LOAD	100	200	300	400	500	750	1000	2000	3000	4000	5000	SAFE LOAD
12"	U	.001	.001	.002	.003	.004	.005	.007	.015	.022	.029	.038	15439
	C	.001	.002	.004	.005	.006	.009	.012	.023	.035	.047	.058	7719
18"	U	.003	.007	.010	.014	.017	.026	.035	.069	.091	.104	.138	6862
	C	.004	.007	.011	.015	.018	.028	.037	.074	.111	.147	.184	5146
24"	U	.010	.021	.031	.042	.052	.078	.104	.209	.313	.417	.522	3860
	C	.008	.017	.025	.033	.042	.063	.083	.167	.250	.334	.417	3860
30"	U	.025	.049	.074	.098	.123	.184	.245	.491	--	--	--	2433
	C	.016	.031	.047	.063	.079	.118	.157	.314	.471	.628	--	3041
36"	U	.050	.100	.149	.199	.249	.373	.498	--	--	--	--	1663
	C	.027	.053	.080	.106	.133	.199	.265	--	--	--	--	2495
42"	U	.090	.181	.271	.361	.452	.678	--	--	--	--	--	1194
	C	.041	.083	.124	.165	.207	.310	.413	--	--	--	--	2088
48"	U	.152	.304	.456	.607	--	--	--	--	--	--	--	892
	C	.061	.121	.182	.243	.304	.456	.607	--	--	--	--	1784
54"	U	.241	.481	--	--	--	--	--	--	--	--	--	681
	C	.086	.171	.257	.342	.428	.642	--	--	--	--	--	1533
60"	U	.364	--	--	--	--	--	--	--	--	--	--	533
	C	.117	.233	.350	.467	.583	--	--	--	--	--	--	1333
66"	U	.531	--	--	--	--	--	--	--	--	--	--	425
	C	.155	.309	.464	.618	--	--	--	--	--	--	--	1170

U - Deflection Under Uniform Load

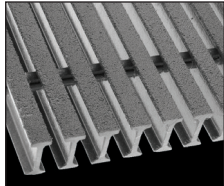
C - Deflection Under Concentrated Load

Safe Load 2:1

Safety Factor



MS-I-4010



MS-I-4015

MS-I-4010 & MS-I-4015

McNICHOLS® MS-I-4000 - DURAGRID® Series Pultruded Grating is available from stock in 240" panels with choices of two bearing bar heights (1" or 1-1/2"), 36- or 48-inch widths and a variety of colors. Please note that the polyester resin panel bearing bars and cross bar colors may vary from each other. Most items have a fine grit surface, with optional medium and coarse grit surfaces. This Series has been approved for use in Virginia Graeme Baker Pool and Spa Safety Act (VGB) applications. MS-I-4000 - DURAGRID® Series is similar to MS-I-6000 - DURAGRID® Series but has an open area of 40%.

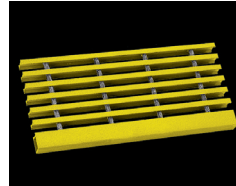
LOAD TABLE: MS-I-4010

SPAN	LOAD	100	200	300	400	500	750	1000	2000	2500	3000	4000	5000	6000	SAFE LOAD
12"	U	.001	.002	.004	.005	.006	.009	.012	.024	.030	.036	.048	.060	.073	15600
	C	.002	.004	.006	.008	.010	.015	.019	.039	.048	.058	.077	.097	.116	7800
18"	U	.006	.011	.017	.022	.028	.042	.056	.112	.139	.167	.223	.279	.335	7431
	C	.006	.012	.018	.024	.030	.045	.060	.119	.149	.179	.238	.298	.357	5573
24"	U	.017	.033	.050	.066	.083	.124	.166	.332	.415	.498	.664	--	--	4350
	C	.013	.027	.040	.053	.066	.100	.133	.265	.332	.398	.531	.664	--	4350
30"	U	.039	.077	.116	.154	.193	.289	.386	--	--	--	--	--	--	2784
	C	.025	.049	.074	.099	.123	.185	.247	.494	.617	--	--	--	--	3480
36"	U	.077	.153	.230	.307	.383	.575	--	This technical information provided is a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. McNICHOLS shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.						1933
	C	.041	.082	.123	.164	.205	.307	.409							2900
42"	U	.141	.281	.422	.563	.703	--	--							1414
	C	.064	.129	.193	.257	.321	.482	.643							2474
48"	U	.235	.470	.705	--	--	--	--	--	--	--	--	--	--	1078
	C	.094	.188	.282	.376	.470	--	--	--	--	--	--	--	--	2155

U - Deflection Under Uniform Load

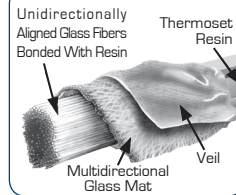
C - Deflection Under Concentrated Load

Safe Load 2:1
Safety Factor



MS-T-6015

Pultruded Construction



PULTRUDED FIBERGLASS STAIR TREAD PANEL

RESIN & TYPE	SPF Polyester
COLOR	Gray, Yellow
BAR HEIGHT	1-1/2" I-Bar (MS-T-6015 - DURAGRID®)
SURFACE	Grit
NOSING	Integral, one side of panel
SIZE	Stock panels are 11" width x 144" length for 11" wide Treads
	Stock panels are 12-1/2" width x 144" length for 12-1/2" wide Treads
	Integral Nosing on one 144" edge
	Treads may be cut to size to width and length desired
SPAN/DEFLECTION	40" (1/8" or less deflection, based on 300 lb. load at mid span)
	52" (1/4" or less deflection, based on 300 lb. load at mid span)

LOAD TABLE: MS-I-4015

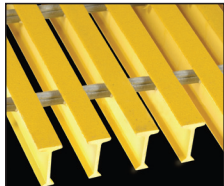
SPAN	LOAD	100	200	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	8000	9000	SAFE LOAD
12"	U	.000	.001	.001	.002	.002	.003	.004	.009	.013	.017	.021	.026	.030	.034	.038	26400
	C	.001	.001	.002	.003	.003	.005	.007	.014	.020	.027	.034	.041	.048	.055	.061	13200
18"	U	.002	.004	.006	.008	.010	.015	.020	.040	.061	.081	.101	.121	.141	.162	.182	11734
	C	.002	.004	.006	.009	.011	.016	.022	.043	.065	.086	.108	.129	.151	.172	.194	8800
24"	U	.006	.012	.018	.024	.030	.046	.061	.122	.183	.244	.305	.366	.427	.488	.549	6600
	C	.005	.010	.015	.020	.024	.037	.049	.098	.146	.195	.244	.293	.342	.390	.439	6600
30"	U	.014	.029	.043	.057	.072	.108	.143	.287	.430	.574	.717	--	--	--	--	4160
	C	.009	.018	.028	.037	.046	.069	.092	.184	.276	.367	.459	.551	.643	--	--	5200
36"	U	.029	.058	.087	.116	.145	.218	.291	.582	--	--	This technical information provided is a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. McNICHOLS					2844
	C	.016	.031	.047	.062	.078	.116	.155	.310	.466	.621	--	--	--	--	--	4267
42"	U	.053	.106	.159	.211	.264	.396	.528	--	--	--	shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.					2041
	C	.024	.048	.072	.097	.121	.181	.242	.483	.725	--	--	--	--	--	--	3571
48"	U	.089	.178	.266	.355	.444	.666	--	--	--	--						1525
	C	.036	.071	.107	.142	.178	.266	.355	--	--	--	--	--	--	--	--	3050

U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

Safe Load 2:1
Safety Factor

PULTRUDED T-BAR FIBERGLASS GRATING



MS-T-5020

MS-T-5020

McNICHOLS® MS-T-5020 - DURAGRID® Pultruded T-Bar Fiberglass Grating is an alternative to metal Grating if more surface area is desired. **McNICHOLS® MS-T-5020 - DURAGRID®** has a large open area of 50% with a 2" bar height.

LOAD TABLE: MS-T-5020

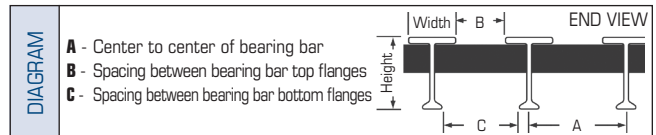
SPAN	LOAD	100	200	300	400	500	750	1000	2000	3000	4000	5000	6000	7000	8000	SAFE LOAD
12"	U	.000	.001	.001	.001	.002	.003	.004	.007	.011	.014	.018	.021	.025	.028	11333
	C	.001	.001	.002	.002	.003	.004	.006	.011	.017	.023	.028	.034	.040	.045	5666
18"	U	.002	.003	.005	.007	.009	.013	.017	.035	.052	.070	.087	.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

U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

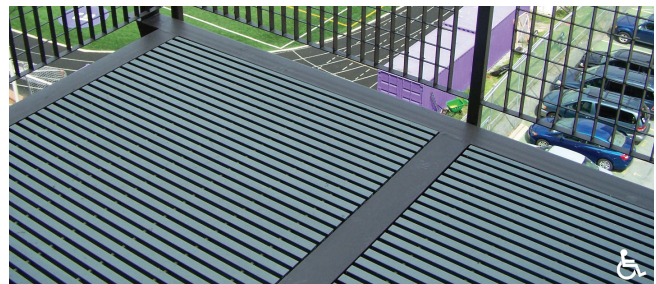
Safe Load 2:1
Safety Factor

PRODUCT DETAILS: T-BAR SERIES



OPTIONS	Resin:	SPF, SVF	Surface:	Grit-Fine, Medium,
	Color:	Gray, Yellow		Coarse
	Bearing Bar Size:	2" x 1"	Width:	36", 48"
			Length:	240"

STOCK LIST	SERIES	BEARING BAR SIZE	#/SF	A	B	C	% O/A
	MS-T-5020	2" x 1"	3.0	2"	1"	1.400"	50%



McNICHOLS® Fiberglass Grating, Pultruded, MS-WT-1810 - DURAGRID® - Balcony Platform, Gonzaga College High School, Washington, DC

PULTRUDED WIDE T-BAR FIBERGLASS GRATING

McNICHOLS DURAGRID® Pultruded Wide T-Bar Fiberglass Grating panels are corrosion- and slip-resistant and fire-retardant. This product has been tested and approved for Virginia Graeme Baker Act (VGB) compliance.



MS-WT-1210

MS-WT-1210

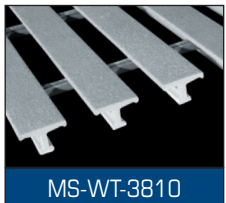
McNICHOLS® MS-WT-1210 - DURAGRID® Grating is available with a 1" bearing bar height in gray polyester resin with medium grit in a 144" length. This Grating has a tight bar spacing and a small open area of 12%, making it ideal for ADA applications.



MS-WT-1810

MS-WT-1810

McNICHOLS® MS-WT-1810 - DURAGRID® Grating is available with a 1" bearing bar height in gray or white polyester with a fine or medium grit surface. This Grating has a small open area of 18%, making it a great choice if your needs require ADA compliance.



MS-WT-3810

MS-WT-3810

McNICHOLS® MS-WT-3810 - DURAGRID® Grating is available with a 1" bearing bar height in gray polyester resin with medium grit. This Grating has an open area of 38%.

LOAD TABLE: MS-WT-1210

SPAN	LOAD	100	200	300	400	500	750	1000	2000	2500	3000	4000	SAFE LOAD
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

U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

Safe Load 2:1

Safety Factor

LOAD TABLE: MS-WT-1810

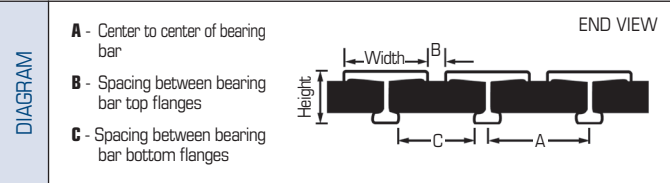
SPAN	LOAD	100	200	300	400	500	750	1000	2000	2500	3000	4000	SAFE LOAD
12"	U	.002	.004	.007	.009	.011	.017	.022	.045	.056	.067	.090	10680
	C	.004	.007	.011	.014	.018	.027	.036	.072	.090	.108	.144	5340
18"	U	.010	.021	.031	.041	.052	.078	.104	.207	.259	.311	.415	4746
	C	.011	.022	.033	.044	.055	.083	.111	.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

U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

Safe Load 2:1

Safety Factor

PRODUCT DETAILS: WIDE T-BAR SERIES

OPTIONS	Resin:	SPF, SVF	Surface:	Fine, Medium Grit
	Color:	SPF - Gray, White, Yellow	Width:	36", 48"
	Bearing Bar Size:	1" x 1.625"	Length:	144", 240"

STOCK LIST	SERIES	BEARING BAR SIZE	#/SF	A	B	C	% O/A
	MS-WT-1210	1" x 1.625"	2.79	1.850"	0.225"	1.350"	12%
	MS-WT-1810	1" x 1.625"	2.60	2.000"	0.375"	1.500"	18%
	MS-WT-3810	1" x 1.625"	2.10	2.620"	0.995"	1.620"	38%

CLIPS & FASTENERS

A complete list of Clips and Fasteners is available on page 28.

LOAD TABLE: MS-WT-3810

SPAN	LOAD	100	200	300	400	500	750	1000	2000	2500	3000	4000	SAFE LOAD
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

U - Deflection Under Uniform Load

C - Deflection Under Concentrated Load

Safe Load 2:1

Safety Factor

FIBERGLASS DECKING & FLOORING

McNICHOLS® Fiberglass Decking and Flooring products are lightweight and corrosion-resistant. These products are used in a variety of applications, such as trench covers to contain vapors and fumes on pedestrian bridge walkways to ensure footing.

**SAFDECK®**

McNICHOLS SAFDECK® Overlapping Decking is a system of 24" wide Fiberglass panels designed to overlap for a continuous solid surface. It is an alternative to wood, Aluminum and Steel Decking in wet or corrosive environments. SAFDECK® is ADA-compliant.

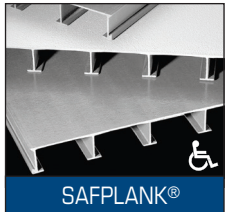
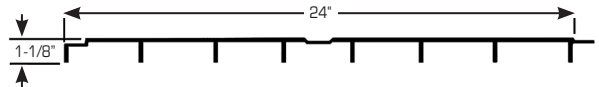
PRODUCT OPTIONS

Resin:	SPF Composite	Surface:	Grit: Solid or Vented
Color:	Slate Gray		Smooth: Solid or Vented
Height:	1-1/8"	Width:	24"
		Length:	240", 288"

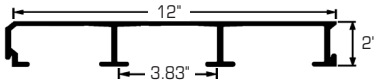
LOAD TABLE: SAFDECK®

		24" WIDTH						
SPAN	LOAD	25	50	60	75	100	200	300
24"	U	.015	.030	.036	.044	.059	.119	.179
	C	.012	.023	.029	.036	.048	.096	.143
36"	U	.063	.126	.151	.189	.252	--	--
	C	.032	.064	.081	.101	.134	.269	--
48"	U	.215	.430	--	--	--	--	--
	C	.073	.147	.206	.257	.343	--	--

U - Deflection Under Uniform Load C - Deflection Under Concentrated Load

SAFDECK® Side View**SAFPLANK®**

McNICHOLS SAFPLANK® Interlocking Plank Flooring is an ADA-compliant, high-strength system of interlocking planks made from Fiberglass composite that is ideal for dry, wet or certain chemical environments.

SAFPLANK® Side View**PRODUCT OPTIONS**

Resin:	SPF Composite	Surface:	Grit: Solid or Vented
Color:	Slate Gray		Smooth: Solid or Vented
Depth:	2"	Width:	12", 24"
		Length:	144", 240", 288"

SAFPLATE®

McNICHOLS SAFPLATE® Plate Flooring is ideal for both wet and dry environments. This ADA-compliant plate is Pultruded Fiberglass with a textured, slip-resistant surface. SAFPLATE® is a tough corrosion-resistant, lightweight, maintenance-free alternative to Steel plate.

PRODUCT OPTIONS

Resin:	SPF	Surface:	Smooth, Grit
Color:	Gray	Width:	48"
Thickness:	1/8", 1/4", 1/2"	Length:	96"

LOAD TABLE: SAFPLANK®

		12" WIDTH						
SPAN	LOAD	50	100	200	300	500	1000	
24"	U	.006	.011	.023	.034	.057	.113	
	C	<.005	.009	.018	.027	.045	.091	
36"	U	.022	.043	.087	.130	.217	--	
	C	.012	.023	.046	.070	.116	.232	
48"	U	.062	.123	.247	.370	--	--	
	C	.025	.049	.099	.148	.247	.494	
60"	U	.140	.281	.562	--	--	--	
	C	.045	.090	.180	.270	.450	--	
72"	U	.291	.583	--	--	--	--	
	C	.078	.155	.311	.466	--	--	
		24" WIDTH						
24"	U	--	.015	.030	.045	.075	.151	
	C	--	.012	.024	.036	.060	.121	
36"	U	--	.046	.092	.138	.231	--	
	C	--	.024	.049	.074	.123	.246	
48"	U	--	.133	.265	.398	--	--	
	C	--	.053	.106	.159	.265	--	
60"	U	--	.302	.605	--	--	--	
	C	--	.097	.193	.290	.484	--	
72"	U	--	.627	--	--	--	--	
	C	--	.167	.334	.501	--	--	

U - Deflection Under Uniform Load C - Deflection Under Concentrated Load

LOAD TABLE: SAFPLATE®

		SPAN								
THICK	LOAD	12"	18"	24"	30"	36"	42"	48"	54"	60"
1/4"	U	167	34	11	--	--	--	--	--	--
	U	.120	.125	.125	--	--	--	--	--	--
	C	104	32	14	--	--	--	--	--	--
3/8"	U	.120	.125	.125	--	--	--	--	--	--
	U	562	167	55	23	11	--	--	--	--
	C	.120	.180	.188	.188	.188	--	--	--	--
1/2"	U	1333	370	167	71	34	18	11	--	--
	U	.120	.180	.240	.250	.250	.250	.250	--	--
	C	833	370	209	111	65	40	27	--	--
5/8"	U	.120	.180	.240	.250	.250	.250	.250	--	--
	U	2600	768	326	167	84	45	27	17	11
	C	.120	.180	.240	.300	.312	.312	.312	.312	.312
3/4"	U	1622	723	407	260	157	99	66	47	34
	U	.120	.180	.240	.300	.312	.312	.312	.312	.312
	C	4499	1333	563	288	167	94	55	34	22
1"	U	.120	.180	.240	.300	.360	.375	.375	.375	.375
	U	2804	1250	702	450	313	205	138	97	71
	C	.120	.180	.240	.300	.360	.375	.375	.375	.375
1"	U	10677	3158	1333	682	396	248	167	108	71
	U	.120	.180	.240	.300	.360	.420	.480	.500	.500
	C	6667	2956	1667	1068	740	544	416	305	222
1"	U	.120	.180	.240	.300	.360	.420	.480	.500	.500
	C	.120	.180	.240	.300	.360	.420	.480	.500	.500

U - Deflection Under Uniform Load C - Deflection Under Concentrated Load

CHEMICAL RESISTANCE CHART

CHEMICAL ENVIRONMENT	VINYL ESTER SV	POLYESTER SP	CHEMICAL ENVIRONMENT	VINYL ESTER SV	POLYESTER SP	CHEMICAL ENVIRONMENT	VINYL ESTER SV	POLYESTER SP	CHEMICAL ENVIRONMENT	VINYL ESTER SV	POLYESTER SP
Acetic Acid 0-50%	160	74	Corn Oil	160	74	Lithium Bromide	160	150*	Sodium Dichromate	160	150
Alcohol, Butyl	74	NR	Corn Starch-Slurry	160	74	Lithium Sulfate	160	150*	Sodium Di-Phosphate	160	150
Alcohol, Ethyl 10%	150	NR	Corn Sugar	160	74	Magnesium Bisulfite	160	74*	Sodium Ferricyanide	160	150
Alcohol, Isopropyl 10%	150	-	Cottonseed Oil	160	74	Magnesium Chloride	160	150+	Sodium Fluoride	120	NR*
Alcohol, Isopropyl 100%	74	NR	Crude Oil, Sour	160	74	Magnesium Hydroxide	140	NR*	Sodium Fluoro Silicate	120	NR*
Alcohol, Methyl 10%	150	NR	Crude Oil, Sweet	160	74	Magnesium Nitrate	160	74*	Sodium Hexametaphosphates	100	NR*
Alcohol, Methyl Isobutyl	150	NR	Cyclohexane	120	74	Magnesium Sulfate	160	150*	Sodium Hydroxide 0-5%	150	NR
Alcohol, Secondary Butyl	150	NR	Detergents, Sulfonated	160	74	Maleic Acid	160	150*	Sodium Hydroxide 5-50%	150	NR
Aluminum	160	150	Di-Ammonium Phosphate	160	NR	Mercuric Chloride	160	**	Sodium Hydrosulfide	160	74
Aluminum Chloride	160	150	Dibutyl Ether	120	NR	Mercurous Chloride	160	**	Sodium Hypochlorite 5%	-	-
Aluminum Hydroxide 5%	120	NR	Diesel Fuel	160	74	Methanol (See Alcohol)	160	74*	Sodium Lauryl Sulfate	160	150
Aluminum Nitrate	160	150*	Diethylene Glycol	160	74	Mineral Oils	160	150	Sodium Mono-Phosphate	160	150
Aluminum Potassium Sulfate	160	150	Dimethyl Phthalate	160	NR	Molybdenum Disulfide	160	NR*	Sodium Nitrate	160	150
Ammonia, Aqueous 0-10%	100	-	Diethyl Phthalate	160	NR	Motor Oil	160	150	Sodium Silicate	160	74
Ammonia, Gas	100	-	Dipropylene Glycol	160	74	Myristic Acid	160	**	Sodium Sulfate	160	150
Ammonium Bicarbonate	120	74	Dodecyl Alcohol	160	NR*	Naphtha	160	150	Sodium Sulfide	160	74
Ammonium, Bisulfite	120	-	Esters, Fatty Acids	160	150*	Naphthalene	160	74	Sodium Sulfite	160	74
Ammonium Carbonate 10%	120	-	Ethylene Glycol	160	150	Nickel Chloride	160	74	Sodium TetraBorate	160	150
Ammonium Citrate	120	74*	Fatty Acids	160	150	Nickel Nitrate	160	150	Sodium Thiocyanate	160	NR*
Ammonium Hydroxide 5%	120	74	Ferric Chloride	160	150	Nickel Sulfate	160	150	Sodium Thiosulfate	160	74
Ammonium Hydroxide 10%	120	NR	Ferric Nitrate	160	150	Nitric Acid 0-5%	160	150	Sodium Tripolyphosphate	160	74
Ammonium Hydroxide 20%	120	NR	Ferric Sulfate	160	150	Nitric Acid 20%	120	NR*	Sodium Xylene Sulfonate	160	74
Ammonium Nitrate 50%	160	150	Ferrous Chloride	160	150	Nitric Acid Fumes	NR	NR*	Sodium Solutions	160	74
Ammonium Persulfate 20%	120	NR	Ferrous Nitrate	160	150	Octanoic Acid	160	74	Sodium Crude Oil	160	150
Ammonium Phosphate	120	NR	Ferrous Sulfate	160	150	Oil, Sour Crude	160	150	Soya Oil	160	150
Ammonium Sulfate	160	150	8-8-8 Fertilizer	160	74	Oil, Sweet Crude	160	150	Stannic Chloride	160	150
Arsenious Acid	160	74*	Fertilizer: Urea Ammon. Nitrate	120	NR*	Oleic Acid	160	150	Stannous Chloride	160	150
Barium Acetate	160	NR	Flue Gas	160	NR*	Olive Oil	160	150	Stearic Acid	160	150
Barium Carbonate	160	NR	Fluosilicic Acid 0-20%	160	NR	Oxalic Acid	160	150	Sugar, Beet and Cane Liquor	160	74
Barium Chloride	160	74	Formaldehyde	160	74	Phosphoric Acid	160	150	Sugar, Sucrose	160	150
Barium Hydroxide	120	-	Formic Acid 10%	160	74	Phosphoric Acid Fumes	160	150	Sulfamic Acid	160	74
Barium Sulfate	160	150	Fuel Oil	160	74	Phosphorous Pentoxide	160	150	Sulfanilic Acid	160	74*
Barium Sulfide	160	NR	Gas, Natural	160	74	Phthalic Acid	160	150	Sulfated Detergents	160	74
Beer	120	74	Gasoline, Auto	160	74	Pickling Acids	160	150	Sulfur Dioxide, Dry or Wet	160	NR*
5% Benzene in Kerosene	160	74*	Gasoline Aviation	160	74	(Sulfuric and Hydrochloric)			Sulfur, Trioxide/Air	160	NR*
Benzene Sulfonic Acid 30%	160	150	Gasoline, Ethyl	160	74	Picric Acid, Alcoholic	160	150	Sulfuric Acid 25%	160	150
Benzoic Acid	160	74	Gasoline, Sour	160	74	Polyvinyl Acetate Latex	160	74	Sulfuric Acid 30-50%	160	NR
O-Benzoyl Benzoic Acid	160	74*	Glycolic, Acid	160	74	Polyvinyl Alcohol	100	74	Sulfuric Acid 50-70%	120	NR
Butylene Glycol	160	150	Glucose	160	150	Polyvinyl Chloride Latex (35)	120	NR*	Sulfurous Acid 10%	100	NR
Butyric Acid 0-50%	160	74	Glycerine	160	150	Potassium Aluminum Sulfate	160	150	Superphosphoric Acid (76% P ₂ O ₅)	160	74
Cadmium Chloride	160	74	Glycol, Propylene	160	150	Potassium Bicarbonate	140	74	Tail Oil	150	74
Calcium Bisulfate	160	150	Glycolic Acid 70%	160	74	Potassium Bromide	100	74*	Tannic Acid	120	74
Calcium Chlorate	160	150	Heptane	160	74	Potassium Carbonate	-	-	Tartaric Acid	160	150
Calcium Chloride	160	150	Hexane	160	74	Potassium Chloride	160	150	Trichloro Acetic Acid 50%	160	74
Calcium Hypochlorite	120	74	Hexalene Glycol	160	150	Potassium Dichromate	140	74*	Tricresyl Phosphate	120	NR*
Calcium Nitrate	160	150	Hydraulic Fluid	160	74	Potassium Ferricyanide	160	150	Tridecylbenzene Sulfonate	160	74*
Calcium Sulfate	160	150	Hydrobromic Acid 0-25%	160	74	Potassium Ferrocyanide	160	150	Trisodium Phosphate	160	74
Calcium Sulfite	160	150	Hydrochloric Acid 15%	160	NR*	Potassium Hydroxide	-	-	Turpentine	100	NR*
Caprylic Acid	160	74	Hydrocyanic Acid	160	74	Potassium Nitrate	160	150	Urea	140	74
Carbon Dioxide	160	150	Hydrofluosilicic Acid 10%	160	NR	Potassium Permanganate	140	74	Vegetable Oils	160	150
Carbon Monoxide	160	150	Hydrogen Bromide, Wet Gas	160	NR*	Potassium Sulfate	160	74	Vinegar	160	150
Carbon Tetrachloride	100	NR*	Hydrogen Chloride, Dry Gas	160	NR*	Potassium Sulfite	160	150	Water		
Carbonic Acid	160	150	Hydrogen Chloride, Wet Gas	160	NR	Potassium Sulfonate	160	150	Deionized	160	150
Carbon Methyl Cellulose	120	NR*	Hydrogen Fluoride, Vapor	74	95	Propionic Acid 1-50%	120	NR*	Demineralized	160	150
Castor Oil	160	150*	Hydrogen Peroxide 35%	120	**	Pulp Paper Mill Effluent	160	74	Distilled	160	150
Chlorinated Wax	160	NR*	Hydrogen Sulfide Dry	160	74*	Sebacic Acid	160	NR*	Fresh	160	150
Chlorine Dioxide/Air	160	74	Hydrogen Sulfide, Aqueous	160	74*	Selenious Acid	160	NR*	Salt	160	150
Chlorine Dioxide, Wet Gas	160	NR*	Hydrosulfite Bleach	120	NR*	Silver Nitrate	160	150	Sea	160	150
Chlorine, Dry Gas	160	74	Hypochlorous Acid 0-10%	160	**	Soaps	160	74	White Liquor (Pulp Mill)	160	74
Chlorine, Wet Gas	160	NR	Isopropyl Amine	100	NR*	Sodium Acetate	160	74	Xylene	NR	NR
Chlorine, Water	160	NR	Isopropyl Palmitate	160	150	Sodium Benzoate	160	74	Zinc Chlorate	160	150
Chloroacetic Acid 0-50%	100	NR	Jet Fuel	160	74*	Sodium Bicarbonate	160	74*	Zinc Nitrate	160	150
Chromic Acid 20%	120	NR*	Kerosene	160	74*	Sodium Bifluoride	120	74	Zinc Sulfate	160	150
Chromium Sulfate	160	150	Lactic Acid	160	**	Sodium Bisulfate	160	150			
Citric Acid	160	150	Lauroyl Chloride	160	NR*	Sodium Bisulfite	160	150			
Coconut Oil	160	74	Lauric Acid	160	NR*	Sodium Bromate	140	74*			
Copper Chloride	160	150	Lead Acetate	160	**	Sodium Bromide	160	150			
Copper Cyanide	160	NR	Lead Chloride	160	74*	Sodium Chlorate	160	74			
Copper Fluoride	160	NR	Lead Nitrate	160	74*	Sodium Chloride	160	74			
Copper Nitrate	74	150	Levulinic Acid	160	74*	Sodium Chlorite 25%	160	74			
Copper Sulfate	160	150	Linseed Oil	160	150*	Sodium Chromate	160	74*			
						Sodium Cyanide	160	74			

NR Not Resistant; No Data. ***** Applies to SAFDECK®, SAFPLANK® and SAFPLATE® ****** Additional information may apply. **PLEASE NOTE:** Temperature data may not be maximum, but rather upper temperature at which a resin has been tested. This chart is intended for general use only and does not contain chemical information for Pultruded Floor Plate. The information in this chart is correct to the best of our knowledge. It is based on extensive experience with Fiberglass Grating in corrosive applications. Because actual use conditions differ and mixtures of corrosives will occur in service, the end user must test for use under actual conditions. Most of the information in this guide is based on laboratory tests and extrapolated values supplied by resin manufacturers. There are no warranties, express or implied, including warranties of merchantability fitness for any particular purpose. In no event will **McNICHOLS** be liable for incidental or consequential damages, whether arising from alleged negligence, strict liability or otherwise.

PLANK GRATING

McNICHOLS® Plank Grating includes a variety of channel configuration choices and walkway styles. Plank Grating is a one-piece construction product that is lightweight and has aggressive, highly slip-resistant surfaces for added safety. In addition to low material cost and nominal installation cost, Plank Grating provides long-term value with rust-resistant materials and finishes.

PRODUCT SPECIFICATIONS

SERIES NAME					
	GRIP STRUT®	PERF-O GRIP®	TRACTION TREAD®	GRATE-LOCK®	DIAMONDBACK®
CONSTRUCTION TYPES	Plank, Heavy-Duty Plank, Walkway, Heavy-Duty Walkway	Plank, Walkway	Plank	Interlocking Plank with Slip-Resistant Surface, Interlocking Plank with Smooth Surface	Extruded Interlocking Plank with Solid Surface, Extruded Interlocking Plank with Vented Surface
PRIMARY MATERIAL	Aluminum, Carbon Steel, Galvanized Steel, Stainless Steel	Aluminum, Carbon Steel, Galvanized Steel	Aluminum, Galvanized Steel	Galvanized Steel	Aluminum
WIDTH	Plank: 4-3/4", 7", 9-1/2", 11-3/4", 18-3/4", 24" HD Plank: 9-1/4" Walkway: 24" HD Walkway: 30"	Plank: 5", 7", 10", 12", 18" Walkway: 24", 30", 36"	7", 10", 12", 18"	9", 12"	6", 12"
CHANNEL SIZE	Plank: 1-1/2", 2", 2-1/2", 3" Dpt. HD Plank: 2" Dpt. Walkway: 4-1/2" Ht. HD Walkway: 5" Ht.	Plank: 1-1/2", 2" Dpt. Walkway: 5" Ht.	1-1/2", 2" Dpt.	1-1/2", 2", 2-1/2", 3", 4" (Special Order) Dpt.	1", 1-1/2", 2" Dpt.
% OPEN AREA	34.2% to 47.8%	28.5% to 38.2%	3% to 34.7%	40.9% to 46.1%	0% to 12%
LENGTH	120", 144" (Longer by Special Order)	120", 144" (Longer by Special Order)	120", 144"	144" (1-1/2" Dpt.); 144", 240", 288" (2-1/2" Dpt.); 288" (3" Dpt.)	144"

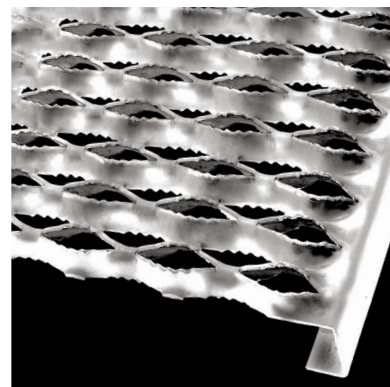
WE ARE READY AND INSPIRED TO SERVE® YOU AT 800.237.3820!



McNICHOLS® Plank Grating, Plank, GRIP STRUT® - Walking Surface, Tennessee Valley Authority, Ocoee, TN



McNICHOLS® Plank Grating, Plank, PERF-O GRIP®, 10-Hole, 6-Hole - Farm Equipment Platform, Williamsburg, IA



HOW TO ORDER/SPECIFY McNICHOLS® PLANK GRATING

The information provided below is your guide for choosing the right **McNICHOLS®** PLANK GRATING product for your project. Please specify:

APPLICATION – Plank Grating use and physical requirements

- Interior/exterior application
- Loading, span and support requirements
- Traffic requirements (hand cart, ADA, pedestrian, etc.)

SERIES NAME & CONSTRUCTION TYPE – GRIP STRUT® (Plank, Walkway), Heavy-Duty GRIP STRUT® (Plank, Walkway), PERF-O GRIP® (Plank, Walkway), GRATE-LOCK® Interlocking Plank, TRACTION TREAD® Plank, DIAMONDBACK® Extruded Interlocking Plank, Heavy-Duty Extruded Plank

PRIMARY MATERIAL – Type of material (Aluminum, Carbon Steel, Pre-Galvanized Steel, Stainless Steel)

MATERIAL FINISH – Inventory is typically mill finish unless otherwise specified

GAUGE (THICKNESS) – Material gauge numbers or thickness in inches (specify as Extrusion for DIAMONDBACK® Extruded Interlocking Plank and Heavy-Duty Extruded Plank)

SURFACE PROFILE, WIDTH & CHANNEL SIZE – Number of openings to width, surface profile, width of Plank/Walkway and channel size. Depth for Plank, height for Walkway. (e.g. 5-Diamond (11-3/4" width), 2" channel depth)

OPEN AREA – Percentage of open area

QUANTITY/SIZE(S) – Number of panels and/or pieces (including cut-to-size)

SPECIAL – Requirements such as fabrication, notching, cut-outs, Stair Treads (size, and Nosing type if desired), non-standard tolerances, etc.

ACCESSORIES – Quantity and type of Clips or Fasteners/Hardware, Splice Plate Kit

GRIP STRUT® PLANK & WALKWAY

McNICHOLS GRIP STRUT® has a slip-resistant diamond surface that is ideal for safety applications where mud, ice, snow, oil and detergents can create hazardous walking conditions. In addition to low material cost and nominal installation cost, GRIP STRUT® provides long-term value with rust-resistant materials and properties.

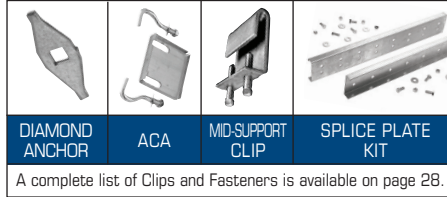


GRIP STRUT® PLANK

The surface of the planks have diamond-shaped openings with serrated edges, making them slip resistant in every direction under practically all conditions.

McNICHOLS GRIP STRUT® is also available in Ladder Rungs and Stair Treads (pages 28 - 29).

CLIPS & FASTENERS



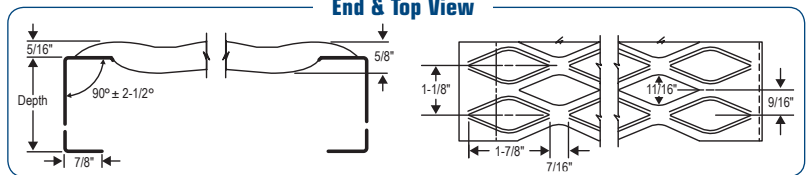
A complete list of Clips and Fasteners is available on page 28.



GRIP STRUT® Stair Treads
page 29

PRODUCT OPTIONS

Material: Aluminum, Carbon Steel, Galvanized Steel, Stainless Steel
Gauge: 16, 14, 12 (Stainless Steel), .0800", .1000" (Alum)
Width: 4-3/4", 7", 9-1/2", 11-3/4", 18-3/4", 24"
Depth: 1-1/2", 2", 2-1/2", 3"
Length: 120", 144" Stock, Cut-to-Size Available



LOAD TABLE: 2-DIAMOND PLANK (4-3/4" WIDTH)

DEPTH (mm)	#/LF (kg/m)	CLEAR SPAN																		
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'		
ALUMINUM ALLOY TYPE 5052-H32 .080" THICK																				
2" (50.8)	92 (1.37)	U	1463	937	650	478	366	289	234	194	162	138	119	Spans in blue shaded area produce deflection of 1/4" or less under uniform load of 100 Lbs./Square Foot.						
		D	.08	.13	.18	.25	.33	.42	.52	.63	.74	.87	1.02							
		C	579	463	386	331	290	257	232	211	192	177	165							
		D	.06	.10	.15	.20	.27	.34	.42	.51	.59	.69	.80							
STEEL 14 GAUGE																				
1-1/2" (38.1)	2.3 (3.42)	U	1324	849	591	435	334	265	215	179	151	10' and 12' lengths available for most sizes. Galvanized available in 14 Gauge and 12 Gauge. Please visit mcnichols.com for more information.								
		D	.06	.10	.14	.20	.26	.32	.40	.49	.58									
		C	524	420	351	301	265	236	213	195	179									
		D	.05	.08	.11	.16	.20	.26	.32	.39	.47									
2" (50.8)	2.6 (3.87)	U	2198	1409	980	721	553	438	356	295	248	212	184	161	142	113	93			
		D	.06	.09	.13	.17	.23	.29	.35	.43	.51	.60	.70	.81	.92	1.16	1.47			
		C	870	697	582	499	438	390	352	321	295	273	255	239	225	201	183			
		D	.04	.07	.10	.14	.18	.23	.28	.34	.41	.48	.56	.65	.74	.94	1.18			
STEEL 12 GAUGE																				
1-1/2" (38.1)	3.2 (4.76)	U	1751	1123	782	576	443	351	286	237	200	172	149	131	116	U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load				
		D	.07	.11	.15	.21	.27	.35	.43	.52	.62	.74	.86	.99	1.14					
		C	693	556	464	399	350	313	283	258	238	221	206	194	183					
		D	.05	.08	.12	.17	.22	.28	.34	.42	.50	.59	.69	.79	.91					
2" (50.8)	3.6 (5.36)	U	2792	1790	1245	917	703	557	453	375	317	271	235	205	181	145	119	99	85	
		D	.05	.08	.11	.16	.20	.26	.32	.39	.46	.55	.63	.73	.84	1.07	1.34	1.64	1.96	
		C	1105	886	739	635	557	496	448	409	376	348	325	305	287	258	235	216	201	
		D	.04	.06	.09	.12	.16	.21	.26	.31	.37	.44	.51	.59	.67	.86	1.07	1.31	1.58	

LOAD TABLE: 3-DIAMOND PLANK (7" WIDTH)

DEPTH (mm)		#/LF (kg/m)	CLEAR SPAN																
			2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'
ALUMINUM ALLOY TYPE 5052-H32 .0800" THICK																			
2" (50.8)	1.15 (1.71)	U	993	636	441	324	248	196	159	131	110	93	80	Spans in blue shaded area produce deflection of 1/4" or less under uniform load of 100 Lbs./Square Foot.					
		D	.08	.13	.18	.25	.33	.42	.52	.63	.74	.86	1.00						
		C	579	463	386	331	290	257	232	211	192	177	165						
		D	.06	.10	.15	.20	.27	.34	.42	.51	.59	.69	.80						
STEEL 14 GAUGE																			
1-1/2" (38.1)	3.0 (4.46)	U	899	577	402	269	227	180	147	122	103	10' and 12' lengths available for most sizes. Galvanized available in 14 Gauge and 12 Gauge. Please visit mcnichols.com for more information.							
		D	.06	.10	.14	.20	.26	.33	.40	.49	.59								
		C	524	421	351	302	265	237	214	196	180								
		D	.05	.08	.11	.16	.21	.26	.32	.39	.47								
2" (50.8)	3.2 (4.76)	U	1492	957	665	490	376	298	242	201	169	145	125	110	97	77	63		
		D	.06	.09	.13	.17	.23	.29	.35	.43	.51	.61	.71	.81	.93	1.19	1.49		
		C	871	697	582	500	439	391	353	322	296	275	256	240	226	203	185		
		D	.04	.07	.10	.14	.18	.23	.28	.34	.41	.48	.56	.65	.74	.95	1.19		
STEEL 12 GAUGE																			
1-1/2" (38.1)	4.1 (6.10)	U	1189	763	532	392	301	239	195	162	137	118	102	90	79	U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load			
		D	.07	.11	.15	.21	.27	.35	.43	.52	.63	.74	.87	1.00	1.15				
		C	694	556	465	400	352	314	284	260	240	223	208	196	185				
		D	.05	.08	.12	.17	.22	.28	.34	.42	.50	.59	.69	.80	.92				

LOAD TABLE: 4-DIAMOND PLANK (9-1/2" WIDTH)

DEPTH (mm)		#/LF (kg/m)	CLEAR SPAN																		
			2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'		
ALUMINUM ALLOY TYPE 5052-H32 .0800" THICK																					
1-1/2" (38.1)	1.28 (1.90)	U	499	319	222	163	124	98	This technical information provided is a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. McNICHOLS shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.												
		D	.10	.15	.22	.31	.40	.51													
		C	395	316	263	226	197	175													
		D	.08	.12	.18	.25	.32	.41													
2" (50.8)	1.37 (2.03)	U	732	468	325	239	183	145	117	97	81	69	10' and 12' lengths available for most sizes. Galvanized available in 14 Gauge and 12 Gauge. Please visit mcnichols.com for more information.								
		D	.08	.13	.18	.25	.33	.42	.52	.63	.74	.87									
		C	568	463	386	331	290	257	232	211	192	177									
		D	.06	.10	.15	.20	.27	.34	.42	.51	.59	.69									
STEEL 14 GAUGE																					
1-1/2" (38.1)	3.6 (5.36)	U	663	426	296	219	168	134	109	90	77	10' and 12' lengths available for most sizes. Galvanized available in 14 Gauge and 12 Gauge. Please visit mcnichols.com for more information.									
		D	.06	.10	.14	.20	.26	.33	.41	.50	.59										
		C	525	421	352	303	266	238	215	197	182										
		D	.05	.08	.11	.16	.21	.26	.33	.40	.47										
STEEL 12 GAUGE																					
1-1/2" (38.1)	5.0 (7.44)	U	906	581	405	298	229	182	148	123	104	89	77	67	60	U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load					
		D	.07	.11	.16	.21	.28	.36	.44	.54	.64	.76	.89	1.02	1.17						
		C	718	575	481	413	363	324	292	267	246	228	213	200	189						
		D	.06	.09	.13	.17	.23	.29	.35	.43	.52	.61	.71	.82	.94						
2" (50.8)	5.4 (8.04)	U	1398	896	624	460	353	280	228	189	160	137	119	104	92	74	61	51	43		
		D	.105	.08	.11	.16	.20	.26	.32	.39	.47	.55	.65	.75	.85	1.10	1.38	1.69	2.03		
		C	1107	887	741	637	559	499	451	412	380	353	329	309	292	264	241	222	206		
		D	.04	.06	.09	.12	.16	.21	.26	.31	.37	.44	.52	.60	.68	.88	1.10	1.35	1.63		
STAINLESS STEEL TYPE 304 16 GAUGE																					
2" (50.8)	3.2 (4.76)	U	720	462	322	238	183	145	118	98	83	71	59	Spans in blue shaded area produce deflection of 1/4" or less under uniform load of 100 Lbs./Square Foot.							
		D	.05	.08	.11	.16	.20	.26	.32	.39	.47	.55	.61								
		C	570	457	382	329	289	258	234	214	197	184	165								
		D	.04	.06	.09	.12	.16	.21	.26	.31	.38	.44	.51								

GRIP STRUT® PLANK (CONTINUED)

LOAD TABLE: 5-DIAMOND PLANK (11-3/4" WIDTH)

DEPTH (mm)	#/Ft (kg/m)	CLEAR SPAN																	
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	8'6"	9'	10' 11' 12'		
ALUMINUM ALLOY TYPE 5052-H32 .0800" THICK																			
1-1/2" (38.1)	1.49 (2.22)	U	403	255	179	132	100												
		D	.10	.15	.22	.31	.40												
		C	395	316	263	226	197												
		D	.08	.12	.18	.25	.32												
2" (50.8)	1.59 (2.36)	U	592	379	263	193	148	117	95	78									
		D	.08	.13	.19	.25	.33	.42	.52	.63									
		C	466	466	386	331	290	257	232	211									
		D	.05	.10	.15	.20	.27	.34	.42	.51									
STEEL 14 GAUGE																			
1-1/2" (38.1)	4.2 (6.25)	U	536	344	240	177	136	108	88	74	62								
		D	.06	.10	.14	.20	.26	.33	.41	.50	.60								
		C	525	422	353	304	267	239	216	198	183								
		D	.05	.08	.12	.16	.21	.26	.33	.40	.48								
2" (50.8)	4.4 (6.55)	U	890	571	397	293	225	178	145	120	102	87	76	66	59	47			
		D	.06	.09	.13	.17	.23	.29	.36	.43	.52	.61	.71	.83	.95	1.21			
		C	707	699	584	502	440	393	355	324	299	277	259	243	230	207			
		D	.04	.07	.10	.14	.18	.23	.29	.35	.42	.49	.57	.66	.76	.97			
2-1/2" (63.5)	4.7 (6.99)	U	1021	655	456	336	258	204	166	138	116	100	86	76	67	54	44		
		D	.04	.06	.08	.11	.14	.18	.23	.28	.33	.39	.45	.52	.60	.77	.96		
		C	707	707	669	575	505	450	407	371	342	317	296	278	262	236	216		
		D	.02	.04	.06	.09	.12	.15	.18	.22	.26	.31	.36	.42	.48	.62	.77		
STEEL 12 GAUGE																			
1-1/2" (38.1)	5.9 (8.78)	U	710	456	318	235	181	144	117	98	83	71	62	55	49				
		D	.07	.11	.15	.21	.28	.35	.44	.53	.64	.76	.89	1.03	1.18				
		C	695	558	467	402	354	317	287	263	244	227	213	201	190				
		D	.05	.08	.12	.17	.22	.28	.35	.43	.51	.60	.71	.82	.95				
2" (50.8)	6.2 (9.23)	U	1131	725	505	372	286	227	185	154	130	111	97	85	75	60	50	42	
		D	.05	.08	.11	.16	.20	.26	.32	.39	.47	.56	.65	.75	.86	1.11	1.39	1.70	
		C	1107	888	742	638	561	501	453	414	382	355	332	312	295	266	243	224	
		D	.04	.06	.09	.12	.16	.21	.26	.31	.38	.44	.52	.60	.69	.89	1.11	1.36	
2-1/2" (63.5)	6.6 (9.82)	U	1691	1083	753	554	425	337	273	226	151	141	123	109	87	71	59	59	50
		D	.04	.06	.09	.13	.17	.21	.26	.32	.38	.45	.52	.60	.68	.87	1.09	1.33	1.60
		C	1115	1115	1106	950	833	742	669	610	561	519	484	453	426	382	347	319	295
		D	.02	.04	.07	.10	.13	.17	.21	.25	.30	.36	.41	.48	.55	.70	.87	1.06	1.28
STAINLESS STEEL TYPE 304 16 GAUGE																			
2" (50.8)	3.7 (5.51)	U	583	374	261	192	148	118	96	80	68	58	48						
		D	.05	.08	.11	.16	.20	.26	.32	.39	.47	.56	.61						
		C	464	458	323	330	290	259	235	215	199	185	165						
		D	.03	.06	.09	.12	.16	.21	.26	.32	.38	.45	.49						

A complete list of
McNICHOLS®
PLANK GRATING items is
available at mcnichols.com!

10' and 12' lengths available for most
sizes. Galvanized available in 14 Gauge and
12 Gauge.

U - Uniform Load -
Lbs./Square Foot
D - Deflection - In Inches
C - Concentrated Load

Spans in blue shaded area
produce deflection of 1/4" or
less under Uniform Load of
100 Lbs./Square Foot.

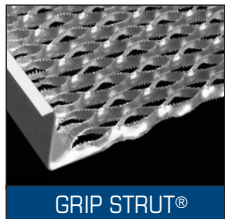
A complete list of
McNICHOLS®
PLANK GRATING items is
available at mcnichols.com!

LOAD TABLE: 8-DIAMOND PLANK (18-3/4" WIDTH)

DEPTH (mm)		#/LF (kg/m)	CLEAR SPAN																	
			2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'	
ALUMINUM ALLOY TYPE 5052-H32 .080" THICK																				
2" (50.8)	2.20 (3.27)	U	308	237	165	121	93	73	59	49	10' and 12' lengths available for most sizes. Galvanized available in 14 Gauge and 12 Gauge.									
		D	.54	.50	.44	.44	.47	.53	.61	.71										
		C	290	232	193	166	145	129	116	106										
		D	.32	.28	.27	.27	.28	.30	.32	.36										
STEEL 14 GAUGE																				
2" (50.8)	6.3 (9.4)	U	540	358	250	184	142	113	92	76	65	55	48	42	Spans in shaded area produce deflection of 1/4" or less under Uniform Load of 100 Lbs./Square Foot.					
		D	.48	.37	.34	.32	.34	.38	.43	.50	.58	.66	.77	.87						
		C	437	349	292	251	220	198	179	164	152	141	132	124						
		D	.24	.21	.20	.19	.20	.21	.23	.26	.29	.32	.36	.40						
STEEL 12 GAUGE																				
1-1/2" (38.1)	8.5 (12.6)	U	446	287	201	148	115	91	75	63	53	46	40	U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load						
		D	.27	.22	.22	.26	.32	.39	.47	.56	.67	.80	.92							
		C	359	280	235	203	179	161	146	135	125	117	110							
		D	.12	.12	.12	.14	.16	.19	.22	.26	.30	.35	.40							
2" (50.8)	8.9 (13.2)	U	710	456	318	235	181	144	117	98	83	71	62	54	48					
		D	.31	.25	.23	.25	.28	.31	.37	.44	.51	.61	.68	.79	.90					
		U	554	444	371	319	282	253	229	210	194	181	169	160	151					
		D	.17	.15	.14	.15	.16	.17	.19	.22	.25	.28	.32	.36	.40					

LOAD TABLE: 10-DIAMOND PLANK (24" WIDTH)

DEPTH (mm)		#/LF (kg/ml)		CLEAR SPAN																
				2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'
STEEL 14 GAUGE																				
2" (50.8)	7.4 (11.0)	U	300	300	228	168	128	102	82	68	57	49	42	10' and 12' lengths available for most sizes. Galvanized available in 14 Gauge and 12 Gauge.						
		D	.46	.48	.42	.38	.38	.41	.44	.49	.55	.62	.70							
		C	400	400	343	294	257	229	206	187	172	158	147							
		D	.34	.35	.32	.30	.29	.29	.30	.31	.33	.35	.37							
STEEL 12 GAUGE																				
2" (38.1)	10.4 (15.5)	U	475	416	289	212	162	128	104	86	72	62	53	46	Spans in blue shaded area produce deflection of 1/4" or less under Uniform Load of 100 Lbs./Square Foot.					
		D	.40	.39	.33	.31	.31	.34	.38	.44	.48	.56	.63	.71						
		C	650	520	434	372	325	289	260	237	217	200	186	174						
		D	.26	.22	.19	.20	.20	.21	.22	.23	.25	.28	.31	.34						
3" (76.2)	11.1 (16.5)	U	475	475	475	392	300	237	192	159	133	114	98	85	75	59	48			
		D	.38	.39	.42	.38	.36	.34	.35	.37	.39	.43	.47	.52	.58	.70	.85			
		C	900	900	800	686	600	534	480	437	400	369	343	320	300	267	240			
		D	.34	.35	.33	.29	.27	.26	.26	.26	.26	.27	.29	.30	.32	.36	.41			

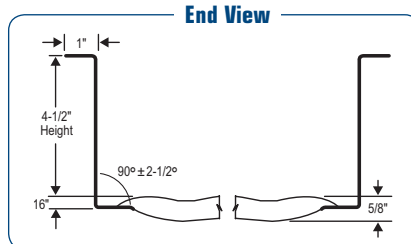


GRIP STRUT® WALKWAY

McNICHOLS GRIP STRUT® Walkway offers the same high slip resistance as GRIP STRUT® Planks. In addition, GRIP STRUT® Walkway meets OSHA requirements for toeboards on elevated structures because of the inverted channels that are measured in terms of depth.

LOAD TABLE: 10-DIAMOND WALKWAY (24" WIDTH)

HT. (mm)	#/LF (kg/m)	CLEAR SPAN																	
		2'	26"	3'	36"	4'	46"	5'	56"	6'	66"	7'	76"	8'	9'	10'	11'	12'	
STEEL 14 GAUGE																			
4-1/2"	8.9 (13.2)	U	300	300	300	300	300	263	213	176	148	126	109	95	83	66	53	43	--
		D	.41	.41	.42	.45	.48	.47	.42	.40	.40	.41	.43	.45	.47	.55	.64	.75	--
		C	400	400	400	400	400	400	400	400	400	400	380	355	333	296	266	242	--
		D	.32	.33	.33	.33	.34	.35	.36	.38	.39	.41	.42	.41	.41	.42	.44	.47	--
STEEL 12 GAUGE																			
4-1/2"	12.5 (18.6)	U	475	475	475	475	475	420	340	281	236	201	173	151	133	105	85	70	59
		D	.37	.37	.38	.40	.43	.43	.39	.37	.37	.37	.39	.41	.44	.51	.59	.69	.80
		C	900	900	900	900	900	900	850	773	709	654	607	567	531	472	425	387	354
		D	.34	.34	.35	.35	.36	.37	.37	.35	.34	.33	.33	.33	.33	.35	.37	.40	.44



PRODUCT OPTIONS

Material: Galvanized Steel
Gauge: 14, 12 Height: 4-1/2"
Width: 24" Length: 120", 144"

CLIPS & FASTENERS



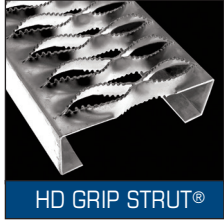
A complete list of Clips and Fasteners is available on page 28.



GRIP STRUT® Walkway

HEAVY-DUTY GRIP STRUT® PLANK

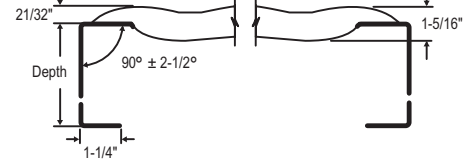
McNICHOLS Heavy-Duty GRIP STRUT® Planks are designed for heavier loads and longer spans with their 10 Gauge thickness. Diamond openings are larger than openings on standard size planks. These features provide exceptional slip resistance in areas that may be exposed to snow, ice, mud, oils and other slippery substances.



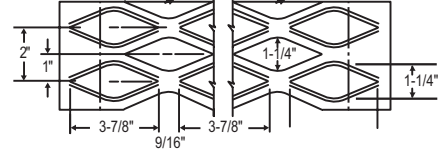
PRODUCT OPTIONS

Material: Galvanized Steel
Gauge: 10
Width: 9-1/4", 13-3/4", 23-1/4", 36" (Stock)
Depth: 2" (Stock), 2-1/2", 3", 4"
Length: 144"

End View



Top View



LOAD TABLE: 2-DIAMOND HD PLANK (9-1/4" WIDTH)

DEPTH (mm)		#/LF (kg/m)	CLEAR SPAN																	
			2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'	
STEEL 10 GAUGE																				
2" (50.8)	74 (11.0)	U	2681	1716	1141	876	699	529	428	354	300	253	218	191	167	132	109	90	74	
		D	.05	.08	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04	1.24	1.45	
		C	2067	1653	1378	1181	1033	919	827	752	689	636	590	551	517	459	413	376	344	
		D	.04	.06	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81	.96	1.16	

LOAD TABLE: 3-DIAMOND HD PLANK (13-3/4" WIDTH)

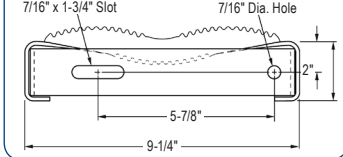
DEPTH (mm)		#/LF (kg/m)	CLEAR SPAN																	
			2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'	
STEEL 10 GAUGE																				
2-1/2" (63.5)	100 (14.9)	U	2733	1794	1214	893	683	539	437	361	304	259	223	194	170	136	110	92	76	62
		D	.05	.07	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96	1.15	1.32	1.50
		C	3133	2507	2089	1790	1567	1393	1253	1139	1044	964	895	836	783	696	627	570	525	485
		D	.04	.06	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76	.91	1.08	1.25

HEAVY-DUTY GRIP STRUT® STAIR TREADS

	2'	2'6"	3'	4'
U	2412	1544	1026	629
C	1860	1487	1240	929

Material: Galvanized Steel 10 GA
#/LF: 7.4 **Depth:** 2"
Width: 9-1/4" **Length:** 24" to 48"

Side View



LOAD TABLE: 5-DIAMOND HD PLANK (23-1/4" WIDTH)

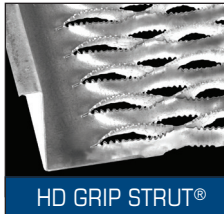
DEPTH (mm)		#/LF (kg/m)	CLEAR SPAN																
			2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'
STEEL 10 GAUGE																			
2" (50.8)	144 (21.4)	U	1034	661	459	337	258	204	165	136	116	97	84	73	65	51	42	34	29
		D	.04	.06	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76	.91	1.08
		C	2067	1653	1378	1181	1033	919	827	752	689	636	590	551	517	459	413	376	344
		D	.04	.06	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81	.96	1.16
2-1/2" (63.5)	14.8 (22.0)	U	1617	1034	718	528	404	319	259	214	180	153	132	115	101	81	65	54	45
		D	.05	.07	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96	1.15	1.35
		C	3133	2507	2089	1790	1567	1393	1253	1139	1044	964	895	836	783	696	627	570	522
		D	.03	.05	.07	.09	.11	.12	.17	.21	.24	.28	.31	.35	.39	.47	.55	.64	.76

LOAD TABLE: 8-DIAMOND HD PLANK (36" WIDTH)

DEPTH #/LF (mm) (kg/m)		CLEAR SPAN																	
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	11'	12'	
STEEL 10 GAUGE																			
2" (50.8)	19.9 (29.6)	U	689	441	306	225	172	136	110	91	77	65	56	49	43	34	28	23	19
		D	.05	.08	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04	1.24	1.45
		C	2067	1653	1378	1181	1033	919	827	752	689	636	590	551	517	459	413	376	344
		D	.04	.06	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81	.98	1.16

U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load

HEAVY-DUTY GRIP STRUT® WALKWAY

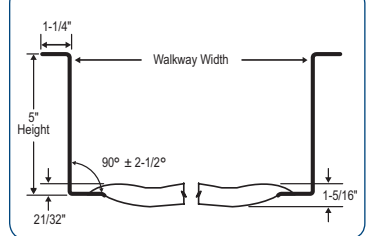


McNICHOLS Heavy-Duty GRIP STRUT® Walkway meets OSHA toeboard requirements for elevated structures with upturned, 5" high integral side channels (referred to as height). Heavy-Duty GRIP STRUT® Walkway is commonly used in process plants, refineries, conveyor walkways and grain elevators.

PRODUCT OPTIONS

Material: Galvanized Steel
Gauge: 10
Width: 24", 30", 36"
Height: 5"
Length: 120", 144"

End View



LOAD TABLE: 6 & 8-DIAMOND HD WALKWAY (30" & 36" WIDTH)

HT. (mm)	#/LF (kg/m)	WIDTH	CLEAR SPAN																	
			4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	18'	20'	22'	24'	
STEEL 10 GAUGE																				
5" (127)	19.9 (29.6)	30"	U	916	586	407	299	229	182	146	121	102	87	75	65	57	45	36	30	25
			D	.37	.43	.40	.40	.46	.42	.41	.41	.49	.57	.66	.75	.86	1.09	1.33	1.62	1.93
			C	4584	3666	3056	2619	2291	2037	1834	1667	1528	1410	1309	1222	1146	1019	916	834	763
			D	.30	.34	.32	.32	.37	.34	.33	.33	.39	.45	.53	.61	.69	.87	1.08	1.30	1.55
5" (127)	22.7 (33.8)	36"	U	556	356	247	181	139	110	89	73	62	53	45	39	35	27	22	18	15
			D	.39	.39	.33	.32	.33	.36	.39	.42	.51	.60	69	.79	.91	1.15	1.40	1.67	1.96
			C	3330	2667	2222	1905	1667	1481	1333	1212	1111	1026	952	889	833	794	641	607	556
			D	.31	.31	.26	.26	.29	.31	.34	.41	.46	.55	.64	.72	.82	.92	1.13	1.37	1.63

CLIPS & FASTENERS

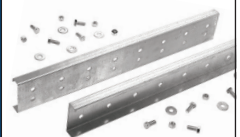
DIAMOND ANCHOR



H-B-C-10 SADDLE CLIP



SPLICE PLATE KIT



A complete list of Clips and Fasteners is available on page 28.

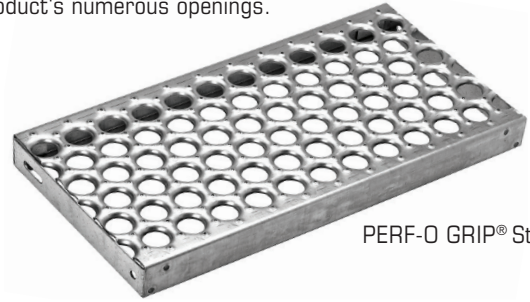
PERF-O GRIP® PLANK & WALKWAY

McNICHOLS PERF-O GRIP® is made up of large debossed holes and perforated buttons that provide slip resistance and performance in every direction. Fluids, mud, chips, snow and other debris fall easily through the product's numerous openings.



PERF-O GRIP® PLANK

McNICHOLS PERF-O GRIP® Plank offers a high load capacity, long life and high strength-to-weight performance. The aggressive grip surface enhances safety. Applications include walkways, ramps, catwalks and more!

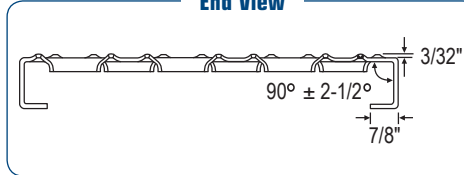


PERF-O GRIP® Stair Treads
page 29

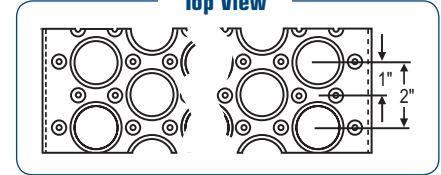
PRODUCT OPTIONS

Material: Aluminum, Carbon Steel, Galvanized Steel
Gauge: 13, 11, .1250" Thick (Aluminum)
Width: 5", 7", 10", 12", 18"
Depth: 1-1/2", 2"
Length: 120", 144"

End View



Top View



LOAD TABLE: 2-HOLE PLANK (6" WIDTH)

DEPTH	#/LF	CLEAR SPAN															
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	7'	8'	9'	10'	11'	12'	
		STEEL 13 GAUGE															
1-1/2"	2.6	U	2008	1287	895	659	505	400	325	269	227	168	130	103	85	70	60
		D	.05	.08	.11	.15	.20	.25	.31	.38	.45	.62	.82	1.04	1.30	1.57	1.90
		C	836	670	559	481	421	375	338	308	284	244	216	194	176	162	150
		D	.04	.06	.09	.12	.16	.20	.25	.30	.35	.49	.65	83	1.04	1.27	1.52

LOAD TABLE: 3-HOLE PLANK (7" WIDTH)

DEPTH #/LF		CLEAR SPAN															
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	7'	8'	9'	10'	11'	12'	
STEEL 13 GAUGE																	
1-1/2"	3.0	U	1536	984	685	504	387	306	249	206	174	129	100	79	65	55	46
		D	.05	.07	.11	.14	.19	.24	.29	.36	.43	.58	.77	.98	1.22	1.51	1.81
		C	914	731	609	522	457	406	366	332	305	263	232	208	190	174	162
		D	.04	.06	.08	.12	.15	.19	.24	.29	.34	.47	.61	.78	.98	1.20	1.44
2"	3.3	U	1965	1473	1024	754	578	458	371	307	259	192	147	118	96	80	68
		D	.03	.06	.08	.11	.14	.18	.23	.27	.33	.44	.58	.74	.92	1.13	1.36
		C	1369	1096	913	783	685	609	548	498	456	391	344	308	279	257	237
		D	.03	.05	.07	.09	.12	.15	.18	.22	.26	.35	.47	.59	.74	.90	1.08

U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load

LOAD TABLE: 5-HOLE PLANK (10" WIDTH)

DEPTH #/LF		CLEAR SPAN															
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	7'	8'	9'	10'	11'	12'	
ALUMINUM ALLOY TYPE 5052-H32 .1250" THICK																	
2"	1.8	U	1048	1022	710	522	400	316	256	212	178	131	101	80	65	54	46
		D	.05	.12	.18	.24	.31	.40	.49	.59	.71	.96	1.26	1.59	1.96	2.37	2.83
		C	1431	1145	954	818	715	636	572	520	477	409	358	318	286	260	238
		D	.06	.09	.13	.19	.25	.32	.39	.47	.57	.77	1.00	1.27	1.57	1.90	2.26
STEEL 13 GAUGE																	
1-1/2"	3.5	U	963	745	517	380	291	230	187	154	129	95	73	58	46	38	32
		D	.04	.08	.11	.15	.19	.24	.30	.36	.43	.59	.77	.98	1.20	1.44	1.71
		C	855	684	645	554	485	431	388	353	323	277	242	216	191	176	162
		D	.03	.05	.09	.12	.15	.19	.24	.29	.35	.47	.61	.78	.95	1.16	1.39
2"	3.9	U	1735	1110	771	568	435	344	281	232	196	144	110	88	70	60	50
		D	.04	.06	.08	.11	.15	.18	.23	.28	.33	.45	.59	.75	.91	1.14	1.34
		C	1297	1038	865	741	648	645	584	532	489	422	368	327	297	267	245
		D	.02	.04	.05	.08	.10	.15	.18	.22	.26	.36	.47	.60	.79	89	1.06

LOAD TABLE: 6-HOLE PLANK (12" WIDTH)

DEPTH #/LF		CLEAR SPAN															
		2	2'6"	3	3'6"	4	4'6"	5	5'6"	6	7	8	9	10	11	12	
ALUMINUM ALLOY TYPE 5052-H32 .125" THICK																	
2"	2.1	U	1463	936	650	478	366	290	235	194	163	120	93	73	60	49	41
		D	.08	.12	.17	.23	.30	.38	.47	.57	.68	.92	1.20	1.52	1.88	2.27	2.70
		C	1612	1290	1075	921	806	716	645	586	537	461	403	358	322	293	269
		D	.06	.09	.14	.18	.24	.30	.38	.45	.54	.74	.96	1.22	1.50	1.82	2.16
STEEL 13 GAUGE																	
1-1/2"	4.3	U	669	655	456	336	258	204	166	138	117	87	67	54	44	37	31
		D	.03	.07	.10	.13	.17	.22	.27	.33	.40	.55	.72	.92	1.16	1.43	1.68
		C	960	819	684	588	516	460	416	380	349	303	268	241	218	198	182
		D	.03	.05	.08	.11	.14	.18	.22	.26	.32	.44	.58	.74	.91	1.11	1.32
2"	4.6	U	1510	966	671	493	378	299	243	201	170	126	97	77	63	53	45
		D	.03	.05	.07	.10	.13	.16	.20	.25	.29	.40	.53	.68	.85	1.03	1.25
		C	1442	1154	961	862	756	673	608	555	509	440	388	349	317	291	270
		D	.02	.04	.06	.08	.10	.13	.16	.20	.23	.32	.42	.54	.67	.82	.99
2"	5.5	U	1937	1240	861	633	486	385	312	259	218	161	124	99	80	67	57
		D	.03	.05	.07	.10	.13	.16	.20	.24	.29	.40	.52	.67	.83	1.01	1.22
		C	1881	1505	1292	1109	971	865	781	712	654	563	496	444	403	389	341
		D	.02	.04	.06	.08	.10	.13	.16	.20	.23	.32	.42	.54	.67	.81	.94

LOAD TABLE: 10-HOLE PLANK (18" WIDTH)

DEPTH #/LF		CLEAR SPAN															
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	7'	8'	9'	10'	11'	12'	
ALUMINUM ALLOY TYPE 5052-H32 .1250" THICK																	
2"	2.8	U	992	635	441	324	248	196	158	131	110	81	62	49	40	33	27
		D	.07	.10	.16	.21	.28	.35	.44	.53	.63	.86	1.12	1.42	1.75	2.11	2.52
		C	1652	1322	1102	944	826	734	661	601	551	472	413	367	330	300	275
		D	.05	.08	.13	.17	.22	.28	.35	.42	.50	.69	.89	1.13	1.40	1.69	2.01
STEEL 10 GAUGE																	
1-1/2"	5.7	U	714	457	317	233	179	142	116	96	82	60	45	36	29	24	21
		D	.04	.07	.10	.13	.17	.21	.26	.32	.39	.52	.68	.86	1.05	1.27	1.56
		C	964	771	642	551	495	481	434	397	366	314	274	243	220	199	183
		D	.03	.04	.07	.09	.12	.17	.21	.26	.31	.42	.55	.69	.85	1.03	1.23
2"	6.0	U	1072	686	476	350	268	212	173	143	121	90	69	55	44	36	31
		D	.03	.05	.07	.10	.13	.16	.20	.24	.29	.40	.53	.67	.82	.98	1.19
		C	1452	1162	968	830	726	645	581	528	509	470	411	366	329	299	274
		D	.02	.03	.05	.06	.09	.12	.14	.17	.22	.32	.42	.53	.65	.79	.94

CLIPS, FASTENERS & ACCESSORIES

BOLT SEAT



MID-SUPPORT CLIP



CARRIER PLATES

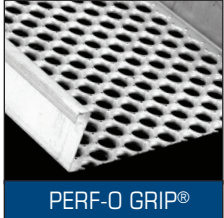


A complete list of Clips and Fasteners is available on page 28.



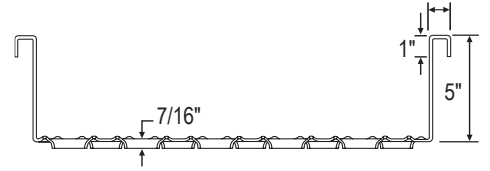
McNICHOLS® Plank Grating, Plank, PERF-O GRIP®, 10-Hole - Factory Flooring

PERF-O GRIP® WALKWAY



McNICHOLS PERF-O GRIP® Walkway surface can help lessen worker fatigue and has a high load capacity, long life and a high strength-to-weight performance. With 5-inch inverted (referred to as height) side channels, PERF-O GRIP® Walkway meets OSHA requirements for toeboards on elevated structures. The large open area (38% of surface area depending on product size) permits free flow of air, heat and light.

End View



PRODUCT OPTIONS

Material: Carbon Steel, Galvanized Steel
Gauge: 13, 11
Width: 24", 30", 36"
Height: 5"
Length: 120"

FASTENER

BOLT SEAT



A complete list of Clips and Fasteners is available on page 28.

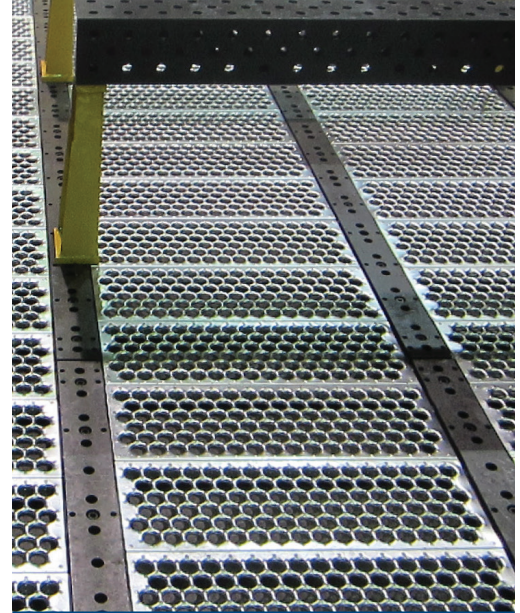
LOAD TABLE: 13-HOLE WALKWAY (24" WIDTH)

HT.	#/LF	CLEAR SPAN															
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	7'	8'	9'	10'	11'	12'	
STEEL 11 GAUGE																	
5"	11.8	U	5751	3681	2556	1878	1438	1136	920	760	639	469	359	284	230	190	160
		D	.02	.02	.04	.05	.06	.08	.10	.12	.14	.19	.25	.31	.39	.47	.56
		C	9504	7603	6336	5431	4752	4224	3802	3456	3168	2715	2376	2112	1901	1728	1584
		D	.01	.01	.02	.03	.04	.05	.06	.07	.08	.11	.15	.19	.23	.28	.34

LOAD TABLE: 16-HOLE WALKWAY (30" WIDTH)

HT.	#/LF	CLEAR SPAN															
		2'	2' 6"	3'	3' 6"	4'	4' 6"	5'	5' 6"	6'	7'	8'	9'	10'	11'	12'	
STEEL 11 GAUGE																	
5"	13.6	U	3868	2475	1719	1263	967	764	619	511	430	316	242	191	155	128	107
		D	.01	.02	.03	.04	.05	.06	.08	.10	.12	.16	.20	.26	.32	.39	.46
		C	9534	7627	6356	5448	4767	4237	3813	3467	3178	2724	2383	2119	1907	1733	1589
		D	.01	.01	.02	.03	.04	.05	.06	.07	.08	.11	.15	.19	.23	.28	.30

PLEASE NOTE: PERF-O GRIP® Walkway is also available in 36" width. Loading information is available at **800.237.3820**.



McNICHOLS® Plank Grating, Plank, PERF-O GRIP®, 6-Hole - Flooring, Aurora, IL

TRACTION TREAD® PLANK

McNICHOLS TRACTION TREAD® Plank features a surface of raised perforated buttons with debossed holes that provide slip resistance in all directions. Planks are well suited for ADA-compliant applications.



PRODUCT OPTIONS

Material: Aluminum, Galvanized Steel
Gauge: 13, 11, .1250" Thick (Aluminum)
Width: 7", 10", 12"
Depth: 1-1/2", 2"
Length: 120", 144"

LOAD TABLE: 9-ROW PLANK (7" WIDTH)

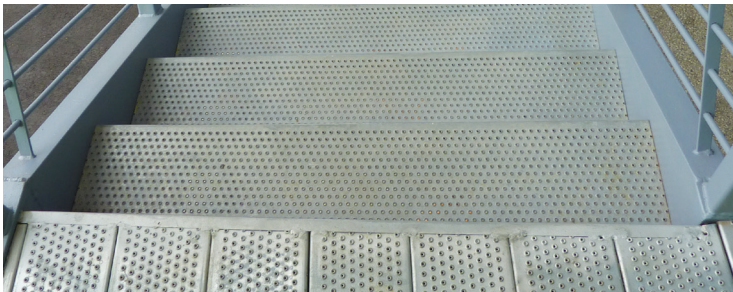
DEPTH #/LF		CLEAR SPAN														
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	
GALVANIZED STEEL 13 GAUGE																
2"	3.7	U	1642	1345	973	700	513	400	315	287	253	184	137	104	80	50
		D	.02	.04	.06	.08	.10	.13	.15	.20	.25	.25	.25	.25	.25	.25

LOAD TABLE: 14-ROW PLANK (10" WIDTH)

DEPTH #/LF		CLEAR SPAN													
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	
ALUMINUM ALLOY TYPE 5052-H32 .1250" THICK															
2"	2.2	U	560	469	332	239	175	137	107	98	86	63	47	35	27
		D	.02	.04	.06	.08	.10	.13	.15	.20	.25	.25	.25	.25	.25
GALVANIZED STEEL 13 GAUGE															
2"	4.6	U	1267	1038	751	540	396	309	243	221	195	142	106	80	62
		D	.02	.04	.06	.08	.10	.13	.15	.20	.25	.25	.25	.25	.25

LOAD TABLE: 17-ROW PLANK (12" WIDTH)

DEPTH #/LF		CLEAR SPAN													
		2'	2'6"	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	
ALUMINUM ALLOY TYPE 5052-H32 .1250" THICK															
2"	2.5	U	487	399	288	207	152	119	93	85	75	55	41	31	24
		D	.02	.04	.06	.08	.10	.13	.15	.20	.25	.25	.25	.25	.25
GALVANIZED STEEL 13 GAUGE															
2"	5.2	U	1101	902	652	469	344	268	211	192	170	123	92	70	54
		D	.02	.04	.06	.08	.10	.13	.15	.20	.25	.25	.25	.25	.25
GALVANIZED STEEL 11 GAUGE															
1-1/2"	6.9	U	682	559	404	291	213	166	131	119	105	76	57	--	--
		D	.02	.04	.06	.08	.10	.13	.15	.20	.25	.25	.25	--	--
2"	7.3	U	1395	1143	827	595	436	340	268	244	215	156	116	88	68
		D	.02	.04	.06	.08	.10	.13	.15	.20	.25	.25	.25	.25	.25



McNICHOLS® Plank Grating, Plank, TRACTION TREAD® - Flooring and Stair Treads, Bellingham, MA

GRATE-LOCK® INTERLOCKING PLANK



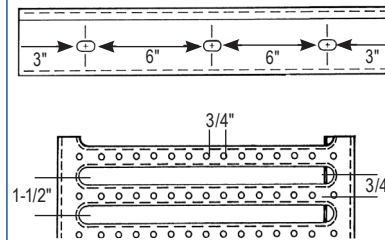
McNICHOLS GRATE-LOCK® Interlocking Plank Grating is an easy-to-install system of interlocking grating planks, treads and accessories. GRATE-LOCK® provides safe, sturdy footing for mezzanine floors, platforms, walkways and other applications where non-slip performance is required. Increased load performance can be realized through this unique design of interlocking, ventilated planks. The Planks' surface of long, round end slots provides an impressive open area of up to 45% that permits passage of water from ceiling sprinklers, air and light. Planks are easy to install with side channels (flanges) that interlock.

PRODUCT OPTIONS

Material: Galvanized Steel
Gauge: 18, 14
Width: 9", 12"
Depth: 1-1/2", 2-1/2", 3", 4" (Special Order)
Length: 120", 240", 288" (2-1/2" Depth),
 144" (1-1/2" Depth), 288" (3" Depth)
Flange: Male/Male, Female/Female, Female/Male

PLEASE NOTE: Only 2-1/2" channels may be punched.

End & Top View



McNICHOLS® Plank Grating, Interlocking Plank, GRATE-LOCK® - Overhead Walkway

LOAD TABLE: GRATE-LOCK® INTERLOCKING PLANK

GAUGE	WIDTH	% O/A	#/LF	1-1/2" CHANNEL DEPTH CLEAR SPAN (LF)																	
				2'	3'	3'6"	4'	4'6"	5'	5'6"	6'	6'6"	7'	7'6"	8'	8'6"	9'	10'	11'	12'	
18	9"	43%	2.3	U	591	263	193	147	116	94	78	65	56	48	42	37	32	29	23	19	16
				D	.10	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.31	1.59	1.89
				C	440	293	251	220	195	176	160	146	135	125	117	110	103	97	88	80	73
				D	.04	.10	.13	.17	.21	.26	.32	.38	.45	.52	.60	.68	.77	.86	1.06	1.28	1.54
	12"	45%	2.9	U	443	196	144	110	87	70	58	49	41	36	31	27	24	21	17	14	12
				D	.10	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.31	1.59	1.89
14	9"	38%	3.5	U	891	396	291	222	176	142	117	99	84	72	63	55	49	44	35	29	24
				D	.10	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.31	1.59	1.89
				C	663	442	379	331	295	265	241	221	204	189	177	165	156	147	132	120	110
				D	.04	.10	.13	.17	.21	.26	.32	.38	.45	.52	.60	.68	.77	.86	1.06	1.28	1.54
	12"	40%	4.2	U	667	296	217	166	131	106	88	74	63	54	47	41	36	32	26	22	18
				D	.10	.14	.18	.22	.27	.33	.40	.48	.56	.65	.74	.84	.95	1.06	1.31	1.59	1.89
GAUGE	WIDTH	% O/A	#/LF	2-1/2" CHANNEL DEPTH CLEAR SPAN (LF)																	
					2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'
18	9"	43%	3.0	U	1552	691	390	251	175	129	100	79	65	54	46	40	35	30	27	24	21
				D	.05	.10	.18	.28	.41	.56	.74	.95	1.18	1.44	1.73	2.05	2.41	2.80	3.22	3.69	4.01
				C	705	705	585	470	394	339	299	268	243	223	207	193	181	171	163	153	145
				D	.02	.07	.14	.23	.33	.45	.59	.76	.94	1.15	1.38	1.64	1.93	2.24	2.58	2.91	3.27
	12"	45%	3.5	U	1057	552	312	200	140	103	80	64	52	43	36	31	27	23	20	18	16
				D	.03	.10	.17	.27	.39	.54	.71	.90	1.13	1.38	1.61	1.91	2.23	2.47	2.83	3.20	3.60
14	9"	38%	4.4	C	529	529	529	501	420	362	319	286	260	239	217	207	194	184	175	167	160
				D	.01	.05	.12	.22	.31	.43	.57	.72	.90	1.09	1.33	1.57	1.85	2.15	2.48	2.85	3.24
				U	2357	1050	593	381	266	196	151	121	98	82	70	58	50	45	40	36	32
				D	.04	.10	.18	.28	.41	.56	.74	.94	1.17	1.43	1.72	1.88	2.21	2.57	2.96	3.39	3.85
	12"	40%	5.2	C	974	974	889	714	598	516	454	407	369	339	314	282	265	250	238	227	218
				D	.02	.07	.14	.23	.33	.45	.59	.75	.94	1.14	1.38	1.50	1.77	2.05	2.37	2.71	3.08
14	12"	40%	5.2	U	1276	783	442	284	199	147	113	90	74	62	52	44	38	35	29	28	25
				D	.03	.10	.17	.27	.39	.54	.71	.91	1.13	1.38	1.63	1.94	2.20	2.70	2.92	3.58	4.08
				C	730	730	730	711	596	514	454	407	370	338	310	286	266	248	233	219	207
				D	.01	.05	.12	.22	.31	.43	.57	.72	.90	1.09	1.31	1.53	1.77	2.04	2.33	2.63	2.96

U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load

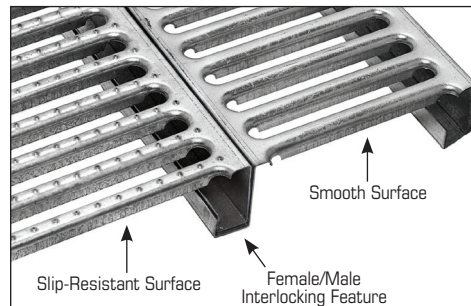
This technical information provided is a reference for evaluation by technically skilled persons only, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Grating.

These tables are prepared based on test conducted in accordance with the 1990 edition, section 6.2 of the American Iron and Steel Institute specification for the design of cold-rolled steel structural members with results checked and adjusted where required by calculations in accordance with section 2 of the same specification. (Safe Allowable Loads with deflections equal to or less than L/120 Safe Allowable Loads with deflections equal to or less than L/240)

CLIPS & FASTENERS

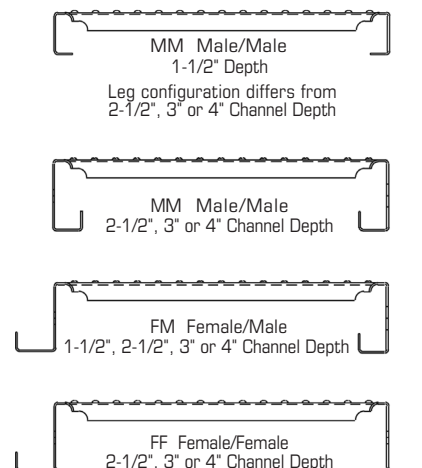


A complete list of Clips and Fasteners is available on page 28.



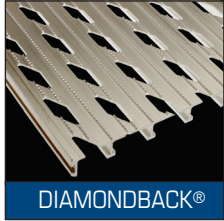
McNICHOLS® Plank Grating, Interlocking Plank, GRATE-LOCK® - Slip-Resistant or Smooth Surface

Flange End View

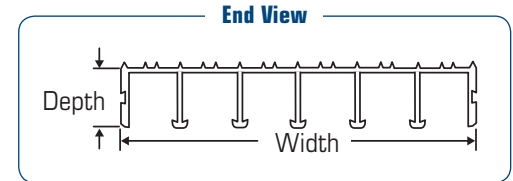


DIAMONDBACK® INTERLOCKING PLANK

McNICHOLS DIAMONDBACK® Interlocking Plank offers excellent strength and stability for walkways, platforms, mezzanines, catwalks and other unsupported structures. The ventilated design prevents the build-up of debris like dirt, grease and snow. When slip resistance is critical, this serrated surface Plank is the answer! DIAMONDBACK® Interlocking Plank is ADA-compliant when you choose our solid surface option.



McNICHOLS DIAMONDBACK® Interlocking Plank is made using an Aluminum extrusion process. The Plank has a solid surface profile or is vented with angled openings. Both options have lines of raised serrations running parallel to the Plank length. The sides of the Plank channel have dovetail interlocking slots. Dovetail Bar Interlocks slide into the slots in the channel to connect or lock adjacent panels. **McNICHOLS** also carries a DIAMONDBACK® Stair Tread/Plank panel without the dovetail interlocking slots in the side channels.



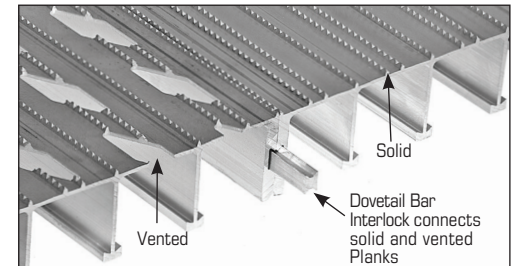
PRODUCT OPTIONS

Material: Aluminum Alloy Type 6061-T6
Surface: Solid, Vented
Width: 6", 12"
Depth: 1", 1-1/2", 2"
Length: 144"

LOAD TABLE: DIAMONDBACK® EXTRUDED INTERLOCKING PLANK (ALUMINUM)

DEPTH	WIDTH	#/LF	SPAN															
			2'	2' 6"	3'	3' 6"	4'	4' 6"	5'	5' 6"	6'	6' 6"	7'	7' 6"	8'	8' 6"		
1"	6"	1.45	U	1328	850	590	433	332	262	212	175	147	U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load - Lbs./Square Foot of Width at Mid Span					
		D	.199	.312	.448	.610	.797	1.008	1.299	1.502	1.787							
	12"	3.06	C	1328	1062	885	759	664	590	531	483	442						
	12"	2.68	D	.182	.249	.359	.489	.638	.807	.996	1.206	1.433						
1-1/2"	12"	3.67	U	2612	1671	1161	853	653	516	418	345	290	247	213	185	163		
			D	.184	.214	.318	.485	.547	.692	.855	1.033	1.230	1.443	1.673	1.915	2.184		
			C	2612	2089	1741	1492	1306	1161	1044	949	870	803	746	696	653		
			D	.109	.171	.246	.335	.438	.554	.683	.827	.984	1.154	1.340	1.537	1.750		
2"	12"	4.30	U	4193	2683	1863	1369	1048	828	671	554	466	397	342	298	262	232	
			D	.187	.197	.251	.320	.418	.529	.653	.789	.940	1.104	1.279	1.468	1.671	1.886	
		3.91	C	4193	3354	2795	2396	2096	1863	1677	1524	1397	1290	1198	1118	1048	986	
			D	.084	.131	.188	.256	.334	.423	.522	.632	.752	.883	1.024	1.181	1.337	1.509	

Loads and deflections in this table are theoretical. The specifier is responsible for verifying conformance of this product with applicable codes associated with its intended use. Spans in the blue shaded area will give deflection less than 1/4" for a Uniform Load of 100 Lbs./Square Foot.



McNICHOLS® Plank Grating, Interlocking Plank, DIAMONDBACK® - Solid or Vented, Serrated Surface

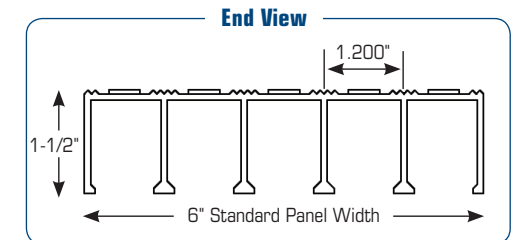
HEAVY-DUTY EXTRUDED PLANK



An alternative to Bar Grating, **McNICHOLS**® Heavy-Duty Extruded Plank is made using an extrusion process that yields a structurally sound and cosmetically attractive product. The interconnecting webs offer a flush top walking surface. The surface on standard Heavy-Duty Plank is vented with a square or rectangular-shaped upset pattern and long raised grooves running parallel to the plank length. Short raised grooves run perpendicular to the slot width.

PRODUCT OPTIONS

Material: Aluminum Alloy Type 6063-T6
Width: 6"
Depth: 3/4", 1", 1-1/2", 2"
Length: 240"



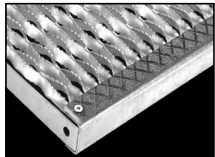
McNICHOLS® Heavy-Duty Extruded Plank - Drain Cover, Boston, MA

LOAD TABLE: HEAVY-DUTY EXTRUDED PLANK (ALUMINUM)

DPT.	#/LF	PED SPAN IN.	SPAN													
			2'	2' 6"	3'	3' 6"	4'	4' 6"	5'	5' 6"	6'	6' 6"	7'	8'		
3/4"	1.8	39"	U	435	278	193	142	108	85	69	U - Uniform Load - Lbs./Square Foot D - Deflection - in Inches C - Concentrated Load - Lbs./Square Foot of Width at Mid Span					
			D	.121	.237	.342	.465	.608	.770	.950						
			C	435	348	290	248	217	193	174						
			D	.121	.190	.273	.371	.485	.614	.760						
1"	2.2	49"	U	833	533	370	272	208	164	133	110	92				
			D	.124	.193	.279	.380	.496	.628	.775	.938	1.117				
			C	833	666	555	476	416	370	333	302	277				
			D	.099	.155	.223	.304	.396	.502	.620	.748	.891				
1-1/2"	3.4	67"	U	2167	1387	963	707	541	428	346	286	240	205	176	135	
			D	.090	.141	.203	.277	.362	.458	.566	.684	.815	.956	1.109	1.445	
			C	2167	1734	1445	1238	1083	963	867	788	722	666	619	541	
			D	.072	.113	.163	.221	.289	.366	.452	.547	.651	.764	.887	1.157	

PLANK GRATING STAIR TREADS

McNICHOLS® Plank Grating Stair Treads are one-piece construction from formed and punched sheet metal. Most Plank Grating Treads are lightweight and offer significantly higher slip resistance than Bar Grating Treads. Plank Treads have a variety of surface openings that have diamond, slotted or round shapes. They are available in Aluminum, Carbon Steel, Galvanized Steel or Stainless Steel in a variety of depths, widths and lengths.

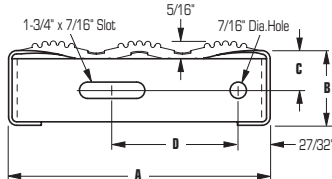


GRIP STRUT® with Cast Abrasive Nosing

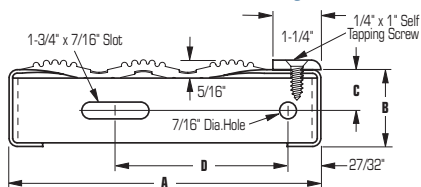
GRIP STRUT® STAIR TREADS

McNICHOLS GRIP STRUT® Stair Treads offer one of the most slip-resistant surfaces in the industry. The tread's surface has diamond-shaped openings with serrated edges, making it slip resistant in every direction. Planks have a high strength-to-weight performance that offers a high load capacity and long life. For details on GRIP STRUT® Plank Grating, please refer to page 20.

Standard End View



End View with Nosing



GRIP STRUT® STAIR TREAD DATA

STANDARD				CAST ABRASIVE NOSING			
A	B	C	D	A	B	C	D
4-3/4\"W	1-1/2\"	3/4\"	2-5/8\"	--	--	--	--
(2-Dia.)	2\"	1\"	2-5/8\"	--	--	--	--
7\" W	1-1/2\"	3/4\"	3-3/8\"	8-1/8\"	1-1/2\"	3/4\"	4-1/2\"
(3-Dia.)	2\"	1\"	3-3/8\"	(3-Dia.)	2\"	1\"	4-1/2\"
9-1/2\"W	1-1/2\"	3/4\"	5-7/8\"	10-1/2\"	1-1/2\"	3/4\"	6-7/8\"
(4-Dia.)	2\"	1\"	5-7/8\"	(4-Dia.)	2\"	1\"	6-7/8\"
11-3/4\"W	1-1/2\"	3/4\"	8-1/8\"	--	--	--	--
(5-Dia.)	2\"	1\"	8-1/8\"	--	--	--	--

Above data for Aluminum, Steel and Stainless Steel. Stainless Steel is not available in 2- and 3-Diamond widths. Standard manufacturing tolerances apply.

STANDARD SIZE & SPAN

SPAN	DPT.	WIDTH	
		STANDARD	CAST ABRASIVE NOSING
ALUMINUM ALLOY			
TYPE 5052-H32 .0800" THICK			
UP TO 36"	2"	2-Dia. - 4-3/4"	--
		3-Dia. - 7"	3-Dia. - 8-1/8"
		4-Dia. - 9-1/2"	4-Dia. - 10-1/2"
		5-Dia. - 11-3/4"	--
STEEL 14 GAUGE			
UP TO 48"	1-1/2"	2-Dia. - 4-3/4"	--
		3-Dia. - 7"	3-Dia. - 8-1/8"
		4-Dia. - 9-1/2"	4-Dia. - 10-1/2"
		5-Dia. - 11-3/4"	--
UP TO 48"	2"	2-Dia. - 4-3/4"	--
		3-Dia. - 7"	3-Dia. - 8-1/8"
		4-Dia. - 9-1/2"	4-Dia. - 10-1/2"
		5-Dia. - 11-3/4"	--
STAINLESS STEEL TYPE 304 16 GA			
UP TO 36"	2"	4-Dia. - 9-1/2"	--
		5-Dia. - 11-3/4"	--

Please specify
McNICHOLS
on your next project.

Thank you!

PRODUCT OPTIONS

Material:	Aluminum, Carbon Steel, Galvanized Steel, Stainless Steel
Gauge:	16 (Stainless), 14, 12, .0800\" Thick (Alum.)
Width:	4-3/4\" to 11-3/4\"
Depth:	1-1/2\", 2\"
Length/Span:	Up to 36\" Alum. or SS; up to 48\" Steel

LOAD TABLE: TREADS (STEEL)

SPAN	DPT.	2-DIAMOND		3-DIAMOND		4-DIAMOND		5-DIAMOND	
		U	C	U	C	U	C	U	C
20\"	1-1/2\"	1191	472	761	443	549	435	434	425
	2\"	1978	783	1262	737	911	604	721	573
26\"	1-1/2\"	764	378	488	356	355	349	278	342
	2\"	1268	611	810	590	584	578	463	566
30\"	1-1/2\"	532	315	340	300	245	300	194	300
	2\"	882	524	563	492	407	483	322	473
40\" *	2\"	498	394	318	372	230	364	182	356

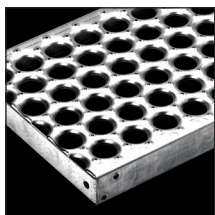
U - Uniform Load - Lbs./Square Foot C - Concentrated Load

LOAD TABLE: TREADS (ALUMINUM & STAINLESS STEEL)

SPAN	DPT.	2-DIAMOND		3-DIAMOND		4-DIAMOND		5-DIAMOND	
		U	C	U	C	U	C	U	C
2\"	2\"	1328	526	862	503	607	481	610	483
	2\"	850	420	551	402	388	392	390	387
3\"	2\"	590	350	383	335	270	327	271	323
	2\"	332	263	215	252	152	245	152	244
4\"	2\"	332	263	215	252	152	245	99	241
	2\"	332	263	215	252	152	245	99	241

* Intermediate stringer is recommended for spans over 4'

Load table data above takes eccentric loads into consideration. Although load values include allowances for normal impact conditions and usual pedestrian traffic, be sure to make provisions in the structural design for special uses and load involving unusual impact forces or vibratory for scos. Load-carrying capacity of Stair Treads increases as side channel height and gauge of material increases.



PERF-O GRIP® STAIR TREADS

McNICHOLS PERF-O GRIP® Stair Treads can help prevent injuries by providing a slip-resistant surface of large debossed holes and smaller embossed button holes. The Treads have a high load capacity, long life and high strength-to-weight performance.

For details on PERF-O GRIP® Plank Grating, please refer to page 23.

PRODUCT OPTIONS

Material:	Aluminum, Carbon Steel, Galvanized Steel
Gauge:	13, 11, .1250\" Thick (Aluminum)
Width:	5\", 7\", 10\", 12\"
Depth:	1-1/2\", 2\"
Length/Span:	24\", 30\", 36\"



TRACTION TREAD® STAIR TREADS

McNICHOLS TRACTION TREAD® Stair Treads feature a surface of hundreds of raised perforated buttons with debossed holes that provide slip resistance in all directions. The Treads are perfectly suited for ADA-compliant applications.

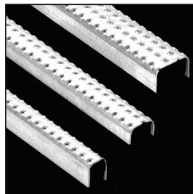
For details on TRACTION TREAD® Plank Grating, please refer to page 24.

PRODUCT OPTIONS

Material:	Aluminum, Galvanized Steel
Gauge:	13, 11, .1250\" Thick (Aluminum)
Width:	7\", 10\", 12\"
Depth:	1-1/2\", 2\"
Length/Span:	24\", 30\", 36\", 48\"

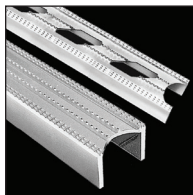
LADDER RUNGS

When strength, safety and weight are considerations, **McNICHOLS®** Ladder Rungs are the product of choice. All product types have varying degrees of slip resistance to help provide dependable footing. Ladder Rungs can be cut to your size requirements.



TRACTION TREAD® RUNGS

McNICHOLS TRACTION TREAD® Ladder Rungs are available in Aluminum, Carbon Steel, Galvanized or Stainless Steel. They are available in 1-1/4" to 2-1/4" widths, 48-3/4" and 60" lengths, and range from 1-1/8" to 1-1/2" in depth. Ladder Rungs come in 2-, 3- or 4-button rows.



DIAMONDBACK® RUNGS

McNICHOLS DIAMONDBACK® Ladder Rungs are available with a solid or vented surface. The Rungs have 1-3/4" width with a 1.390" depth and are available in 144" lengths or cut-to-size. Radius end cut Rungs are available by special order. Solid serrated surface is also available.



GRIP STRUT® RUNGS

McNICHOLS GRIP STRUT® Ladder Rungs have channels of diamonds that provide high traction footing in all directions. These aggressive Rungs come in Carbon Steel or Galvanized Steel and have a 1-1/8" depth. Standard size width is 2-1/2" and 120" in length. Diamonds can run the opposite direction by special order.



GRIP TIGHT® RUNG COVERS

McNICHOLS GRIP TIGHT® Ladder Rung Covers are constructed with a slip-resistant Aluminum Oxide grit surface coating over 16 Gauge Pre-Galvanized Steel. The 3/4" wide Cover has a 3/4" depth, and our 1" wide Cover option has a 1" depth. Covers come in 120" lengths or can be cut-to-size.

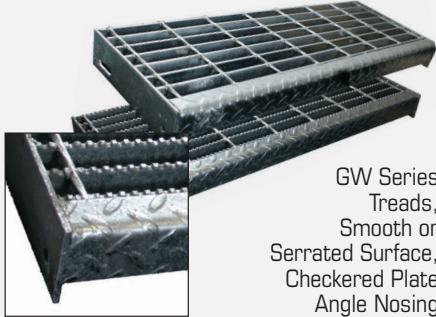
GRATING CLIPS & FASTENERS

BAR	Type CB  Saddle Clip placed over two bearing bars, fastens to support Material: Aluminum, Galvanized Steel, Stainless Steel Product: Bar Grating (Welded, Press-Locked, Swage-Locked) Fit: 1-3/16" bearing bar spacing (Type CA for 15/16" bearing bar spacing) Hardware: Available Separately	Type GFS  Saddle Clip with cast malleable iron body, and one offset wing, fastens to support Material: Galvanized Steel Body, Stainless Steel Bracket Product: Bar Grating Fit: Fits 5/8" to 1-3/8" bearing bar spacing; Adjusts up to 1-3/4" bearing bar height Hardware: Integral with Saddle Clip	Type GG  Hold-Down Clip attaches Grating to Structural Shape in a horizontal plane Material: Galvanized Steel, Stainless Steel Product: Bar Grating Fit: 15/16" to 1-1/16" bearing bar spacing Hardware: Integral with Hold-Down Clip
	Type Z  Hold-Down Clip secures panel to support frame Material: Stainless Steel Product: Most rectangular Bar Grating Fit: 1", 1-1/2" bearing bar height Hardware: Available Separately	Type J  Hold-Down Clip secures panel to support frame Material: Stainless Steel Product: Most rectangular Bar Grating Fit: 1", 1-1/2" bearing bar height Hardware: Integral with Hold-Down Clip	Type RSSGC1C  Hold-Down Clip fastens to horizontal flange on Structural Shape Material: Stainless Steel Product: Bar Grating (Press-Locked - CLOSE MESH), Fiberglass Grating Fit: 3/8" bearing bar spacing Hardware: Integral with Hold-Down Clip
FIBERGLASS	Type F  Hold-Down Clip joins panels together at adjacent bars Material: Stainless Steel Product: Molded Grating Fit: 1", 1-1/2" grid height Hardware: Integral with Hold-Down Clip	Type Z  Hold-Down Clip secures panel to support frame Material: Stainless Steel Product: Molded Grating Fit: 1", 1-1/2" grid height Hardware: Available Separately	Type J  Hold-Down Clip secures panel to support frame Material: Stainless Steel Product: Molded Grating Fit: 1", 1-1/2" grid height Hardware: Integral with Hold-Down Clip
	Type M  Hold-Down Saddle Clip placed over two bars, fastens to support Material: Stainless Steel Product: Molded Grating Fit: 1", 1-1/2", 2" grid height Hardware: With or Without	Type MI/MT  Saddle Clip placed over two I-Bars (MI) or two T-Bars (MT), fastens to support Material: Stainless Steel Product: Pultruded I-Bar and T-Bar Grating Fit: 1", 1-1/2", 2" bearing bar height Hardware: With or Without	Type RI/RT  Insert slides between two I-Bars (RI) or two T-Bars (RT), holding bottom flange to support Material: Stainless Steel Product: Pultruded I-Bar and T-Bar Grating Fit: Any height Hardware: Integral with Insert
PLANK	DIAMOND ANCHOR  Device fits in opening, fastens to support Material: Galvanized Steel, Stainless Steel Product: GRIP STRUT® Fit: Plank and Walkway Hardware: Available Separately	H-B-C-10 SADDLE  Saddle Clip slides into opening, fastens to support Material: Galvanized Steel, Stainless Steel Product: Heavy-Duty GRIP STRUT® Fit: All Plank and Walkway Hardware: Available Separately	ACA  Anchor and Clamp Assembly, hold Planks together, clamps to support Material: Galvanized Steel Product: GRIP STRUT® Fit: 1-1/2" & 2" Channel Depth Hardware: Integral with Assembly
	J-BOLT  Fastener holds Grating channel to support Material: Galvanized Steel Product: GRATE-LOCK® Fit: 2-1/2" Channel Depth Hardware: Integral with J-Bolt	MHC CLAMP  Hold-Down Clamp slides into Grating slot, fastens to support Material: Galvanized Steel Product: GRATE-LOCK® Fit: 2-1/2" Channel Depth Hardware: Available Separately	BOLT SEAT  Fastener slid into round opening, fastens to support Material: Galvanized Steel Product: PERF-O GRIP® Fit: All Plank and Walkway Hardware: Available Separately
	MID-SUPPORT CLIP  Clip used at mid-span, fastening Plank side channels together to improve loading Material: Galvanized Steel Product: GRIP-STRUT®, PERF-O GRIP®, TRACTION TREAD® Fit: All Plank Hardware: Integral with Mid-Support Clip	SPLICE PLATE KIT  Splice Plate Kit joins continuous Planks in a run over supports Material: Galvanized Steel Product: GRIP-STRUT® Walkway Fit: Connects Walkway ends together Hardware: Integral with Splice Plate Kit	<p>McNICHOLS carries more Clips and Fasteners than shown. Our full stock list is available at mcnichols.com!</p>

BAR, FIBERGLASS & PLANK GRATING STAIR TREADS

When strength, safety and load bearing capability are required, **McNICHOLS®** Stair Treads are the product of choice. Bar or formed Plank style Stair Treads suit a variety of stairway applications. Treads are available from stock in materials such as Aluminum, Carbon Steel, Carbon Steel (Powder Coated Black), Fiberglass, Galvanized Steel and Stainless Steel. Bar styles are available with several Nosing options (shown below).

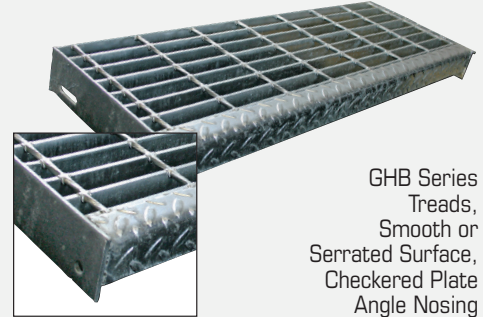
BAR GRATING - STAIR TREADS



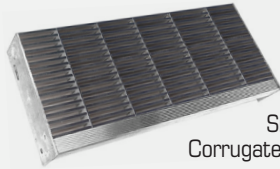
GW Series
Treads,
Smooth or
Serrated Surface,
Checkered Plate
Angle Nosing



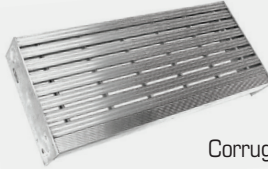
GAL Series
Treads,
Smooth or
Serrated Surface,
Corrugated Angle
Nosing



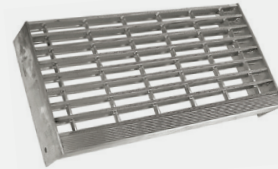
GHB Series
Treads,
Smooth or
Serrated Surface,
Checkered Plate
Angle Nosing



GCM Series
CLOSE MESH
Treads,
Smooth Surface,
Corrugated Angle Nosing



SAFE-T-GRID®
T-Bar Treads,
Grooved or GRIP
TIGHT® Surface,
Corrugated Angle Nosing

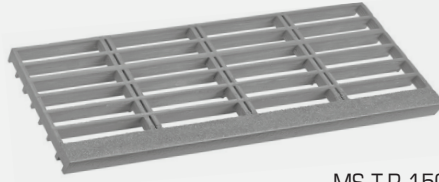


GIA Series
I-Bar Treads,
Grooved Surface,
Corrugated Angle
Nosing

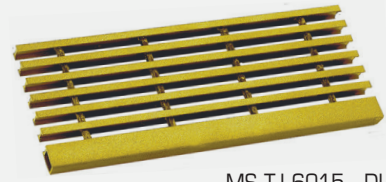
FIBERGLASS GRATING - STAIR TREADS



MS-T-C Molded
Tread Cover, Grit
Surface, Radius Lip



MS-T-R-150
Rectangular Molded Tread,
Grit Surface, Integral Nosing

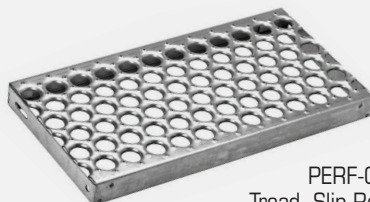


MS-T-I-6015 - DURAGRID®
Pultruded I-Bar Tread, Medium
Grit Surface, Integral Nosing

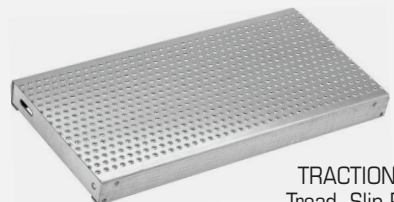
PLANK GRATING - STAIR TREADS



GRIP STRUT®
Tread, Serrated
Surface, No Nosing



PERF-O GRIP®
Tread, Slip-Resistant
Surface, No Nosing



TRACTION TREAD®
Tread, Slip-Resistant
Surface, No Nosing



GRATE-LOCK®
Tread, Slip-Resistant
Surface, No Nosing



HD Extruded
Tread, Grooved Surface,
Corrugate Angle Nosing

McNICHOLS® Metals Service Centers are equipped with a variety of specialized processing equipment so your job can be cut-to-size quickly and accurately!

McNICHOLS CO.

PO BOX 30300 TAMPA, FL 33630-3300



LUTHERAN
HOUR
MINISTRIES

PSRST STD
U.S. POSTAGE
PAID
McNICHOLS CO.

SOURCE CODE

ID



If you would like to receive additional copies of the 2018 **McNICHOLS**® Grating Catalog, to update your address or to manage your subscription, we are ready and Inspired to Serve® you at 800.237.3820.

Printed in the USA. Please share this catalog with a friend or recycle. ♻️

Please follow us on social media!



McNICHOLS® VALUE-ADDED SERVICES

For more than 65 years, customers have been trusting **McNICHOLS** with their Hole Product needs. Many customers also look to us for Value-Added Services. Whether you need cutting, notching, welding or a metal finish for your product selections, **McNICHOLS** has you covered! We look forward to discussing how we can support and serve you!



**PRINT
TAKEOFFS**



CUT-TO-SIZE



WELDING



**INFILL
PANELS**



**STAIR
TREADS**



**METAL
FINISHES**

Inspired to Serve!®



McNICHOLS CO.

800.237.3820

800.237.9212 (español)

mcnichols.com

