Designed to provide safe, secure footing protection in areas prone to oil or for many applications, bar grating is a strong choice for projects ranging from trenches to decking.

Bar Grating Information

Smooth—All-purpose slip-resistant

design's texture is less harsh under-

Aluminum—Good where a lightweight, corrosion-resistant material

Steel-Strong material is good

to use if the environment is not

304 Stainless Steel—Stronger

than aluminum, stainless steel

Cross bars are mechanically

locked to the bearing bars at their

long-lasting service under normal

intersections. Permanent joints give

Riveted—Straight bearing bars and

bent connecting bars are riveted together at their contact points.

provides superior corrosion and oxidation resistance.

other hazardous materials.

foot than serrated.

expressly corrosive.

JOINING METHODS

Reliable and durable.

conditions.

MATERIAL S

is desired.

STAIR TREAD

Constructed like other bar grating. with stair-specific additional reinforcement and extra safety adjustments. A nosing is attached to the leading edge for increased edge visibility and slip resistance. Nosings may be grooved or checker plate (also known as diamond plate).

DEFINITIONS

Anchors—Devices that attach grating to its supports.

Band—A flat bar welded to the end of a grating panel or along the line of a cutout. Extends neither above nor below Pressure Locked (Dovetail)the bearing bars. A load-carrying band transfers the load from unsupported bearing bars to supported bearing bars. A trim band carries no load; used to improve appearance.

Bearing Bar—Load-carrying bar that extends in the direction of the span.

Cross Bar—The connecting bar that intersects or curves between the bearing bars and is welded, forged, or mechanically locked to them.

Cutout-An area of grating removed to clear an obstruction or let pipes, ducts, or columns pass through.

Grating-Open grid assembly of metal bars with bearing bars running in one direction, spaced by rigid attachment to cross bars that run perpendicularly or by bent connecting bars that extend between them.

Length—The span of grating or distance between points of grating support.

Width-Measured perpendicular to the bearing bars and in the same direction as the cross bars to determine the overall dimension of a grating panel.

SURFACES

Serrated—Grips shoes tightly for high slip resistance. Offers good slip



Bar Grating—Stair Tread

- End plates: 2.5"
- Bearing bar
- spacing: 1.188" Bearing bar thickness: 0.188"
- Aluminum treads feature grooved nosing. Steel models have checker-plated nosina.

Note: Additional sizes are available; call 1-800-GRAINGER (472-4643).

	No. of Bearing Bars	Tread Width	Tread Depth	Height	SURFACE Item No.	SURFACE Item No.				
1	Aluminun	n, Groove	d Nosing							
	6	24 in	7 3⁄8 in	1.25 in		49N564				
		18 in	8 %16 in	1.25 in	49N559	49N563				
	7	24 in	8 %16 in	1.25 in	49N561	49N565				
		30 in	8 %16 in	1.25 in	49N562	49N566				
Carbon Steel, Checker Plate Nosing										
	7	24 in	8 %16 in	1 in	49N514	49N539				
		24 in	8 %16 in	1 in	49N527	49N549				
		30 in	8 %16 in	1 in	49N516	49N541				
		30 in	8 %16 in	1 in		49N551				
	8	24 in	9 ¾ in	1 in	49N515	49N540				
		24 in	9 ¾ in	1 in	49N528	—				
		30 in	9 ¾ in	1 in	49N517	49N542				
		30 in	9 ¾ in	1 in	49N530	49N552				
		36 in	9 ¾ in	1 in	49N519					
		36 in	9 ¾ in	11⁄4 in	49N522	49N554				

Swage Locked—A cost-effective and reliable pressure locking method.

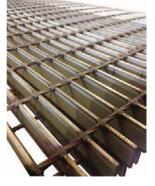
Welded-Joined at the intersection of the bearing bars and cross bars. A versatile choice for light to moderate loads. The most common way aluminum bar grating is manufactured.

Bar Grating

Bearing bar spacing: 1.188"

- Cross bar spacing: 4"
- Note: Additional sizes are available; call

1-800-GRAINGER (472-4643).



	`	,	SMOOTH SURFACE			SERRATED SURFACE				
		24 in W	36 in W	48 in W	24 in W	36 in W	48 in W			
	Span	Bearing Bar	ltem	Item	Item	Item	Item	ltem		
H	(Length)	Thickness	No.	No.	No.	No.	No.	No.		
Stainless Steel										
	24 in	0.188 in	49N223	49N229	-	49N259	49N265	—		
	36 in	0.188 in	49N224	49N230	_	49N260	49N266	_		
1 in	48 in	0.188 in	49N225	49N231	_	49N261	49N267	—		
1 111	72 in	0.188 in	49N226	49N232	_	49N262	49N268	_		
	96 in	0.188 in	49N227	49N233	_	49N263	49N269	_		
	120 in	0.188 in	49N228	49N234	_	49N264	49N270	_		
Aluminun	1									
	24 in	0.125 in	49N295	49N302	_	—	_	-		
	00 :	0.125 in	49N296	49N303	_	_		_		
	36 in	0.188 in	49N315	49N321	49N327	49N424	49N430	49N436		
	48 in	0.188 in	49N316	49N322	49N328	49N425	49N431	49N437		
at 1.4	70 :	0.125 in	49N298	49N305	_	_		_		
1 in	72 in	0.188 in	49N317	49N323	49N329	49N426	49N432	49N438		
	00 :	0.125 in	49N299	49N306	_	_	_	_		
	96 in	0.188 in	49N318	49N324	49N330	49N427	49N433	49N439		
	100.	0.125 in	49N301	49N307	_	_	_	_		
	120 in	0.188 in	49N319	49N325	49N331	49N428	-	49N440		

			BLACK PAINTED STEEL SERRATED SURFACE SMOOTH SURFACE			GALVANIZED STEEL SERRATED SURFACE SMOOTH SURFACE				CARBON STEEL SERRATED SURFACE		
		Bearing	24" W	36" W	24" W	36" W	24" W	36" W	24" W	36" W	24" W	36" W
	Span	Bar	Item	Item	Item	Item	Item	Item	Item	Item	Item	Item
		Thickness		No.	No.	No.	No.	No.	No.	No.	No.	No.
Painted/Galvanized Steel												
	24 in	1/8 in	49N005	49N011	49M895	49M902	49N174	49N180	49N065			
	24 in	3⁄16 in			49M908				49N077			
	24 in	1⁄4 in		—	—	49M926	—	_		49N095	—	
	36 in	1⁄8 in	49N006		49M896	49M903	49N175	49N181	49N066	49N072	38MF44	38MH65
	36 in	3∕16 in	_	-	49M909	49M915	49N187	49N193	49N078	49N084	-	_
	36 in	1⁄4 in		—	—	49M927	—	_		49N096	—	
	48 in	1⁄8 in	49N007	49N013	49M897	49M904	49N176	49N182	49N067	49N073	38ME16	38MD70
	48 in	3∕16 in	49N019	49N025	49M910	49M916	49N188	49N194	49N079		-	—
	48 in	1⁄4 in	_	_		_		_		49N097	-	
1"	72 in	1⁄8 in	49N008	49N014	49M898	49M905	49N177	49N183	49N068		38MJ39	38MG95
	72 in	3⁄16 in	_	_	49M911	49M917	-	_	49N080	49N086	-	_
	96 in	1∕≋ in	49N009	49N015	_	49M906	49N178	49N184	49N069	49N075	—	—
	96 in	3⁄16 in	—	—	49M912	—	—	—	49N081	49N087	—	—
	96 in	1⁄4 in	—	_	_	49M930	—	_	_	49N099	-	—
	120 in	1⁄8 in	49N010	49N016	49M901	49M907	49N179	49N185	49N070	_	38MG26	38MD48
	120 in	³ ⁄16 in	—	49N028	49M913	—	49N191	49N197	_	_	—	—
	120 in	1⁄4 in	—	_	_	49M931	—	_	_		-	_
	144 in	1⁄8 in	—	—	—	—	-	_	—	38MG75	-	—
	144 in	³ ⁄16 in	—	—	—	38ML30		_	—	38MD05	_	—
	36 in	3⁄16 in	_	_	—		49N199	49N206	—	_	_	—
1.25	48 in	3⁄16 in	49N031	—	—	—		49N207	—	_	—	—
1.20	96 in	³ ⁄16 in	—	—	—	—	49N203	49N209	—	—	_	_
	120 in	3⁄16 in	49N034	49N040	—		49N204	49N210	—			_
	24 in	3⁄16 in	49N041	-	—	-		_	—	_	38MF40	—
1.5	36 in	³ ⁄16 in	49N042		—	—		—	—	_	38MK22	
1.5	48 in	3⁄16 in	—	49N049		_		49N219				38MJ68
	144 in	3⁄16 in	—	38ML81	—	_	_	38MC79	—	-	38MC62	—
2"	36 in	3⁄16 in	_	38MG21	—	_		38ML60	_			_
2	120 in	3∕16 in	38MF52	_		_	38MD53	38MG18	_		_	38MJ34

SMOOTH SEPRATED

No. of Bearing Bars	Tread Width	Tread Depth	Height	SMOOTH SURFACE Item No.	SERRATED SURFACE Item No.				
	4 ft	10 15/16 in	11/4 in	49N525	49N547				
	4 ft	10 15/16 in	11/4 in	49N537	49N557				
	30 in	10 15/16 in	1 in	49N518	49N543				
	30 in	10 15/16 in	1 in	49N531	49N553				
9	36 in	9 ¾ in	11⁄4 in	49N534	_				
3	36 in	10 ¹⁵ /16 in	1 in	49N520	—				
	36 in	10 15/16 in	11/4 in	49N523	49N545				
	36 in	10 ¹⁵ /16 in	11⁄4 in	49N535	49N555				
	42 in	10 ¹⁵ /16 in	1¼ in	49N524	49N546				
	42 in	10 ¹⁵ /16 in	11⁄4 in	49N536	49N556				
	36 in	12 1⁄8 in	1 in	49N533	—				
10	36 in	12 1⁄8 in	1 in	49N521	_				
10	36 in	12 1/8 in	11/4 in	49N526	49N548				
	36 in	12 1⁄8 in	11⁄4 in	49N538	49N558				
Galvanizo		Checker Pl	ate Nosir	ıg					
8	24 in	9 ¾ in	1 in	_	49N550				
Stainless Steel, Checker Plate Nosing									
8	36 in	9 ¾ in	1.25 in	49N568	_				
9	36 in	10 15/16 in	1.25 in	49N569	—				
10	36 in	12 1⁄8 in	1 in	49N567	_				
10	36 in	12 1⁄8 in	1.25 in	49N570					

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