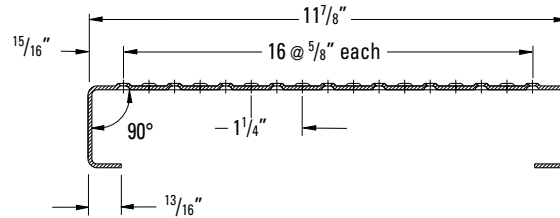
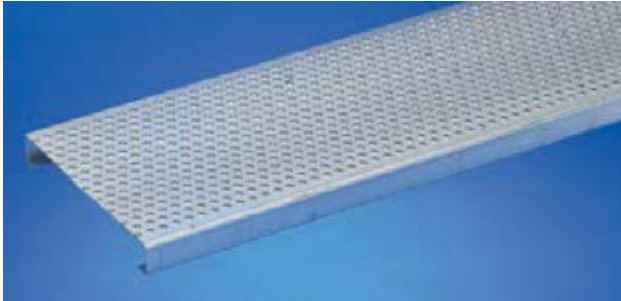


Traction-Tread® Safety Grating

Width 12" Nominal (11-7/8" Actual)



Plank Lengths:

- 120" and 144" lengths (nominal)

Material Options:

- Mill-galvanized steel: 11 gauge and 13 gauge
- Aluminum alloy 5052-H32: .125"
- Also available in Hot rolled, pickled and oiled carbon steel: 11 gauge and 13 gauge

Product Selection/Design Tables

Allowable Loads and Deflections: U=Uniform Load (lb./ft.²) D=Deflection (in.)

Material Gauge	Channel Depth in. (mm)	Weight lb./lin. ft. (kg/m)	Catalog Number		Span															
					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"	9'-0"	10'-0"	11'-0"
Steel 13 ga.	1 1/2" (38.1)	4.93 (7.33)	TT121513 GL	U D	544 0.02	445 0.04	322 0.06	232 0.08	170 0.10	133 0.13	104 0.15	95 0.20	84 0.25	61 0.25	45 0.25					
	2" (50.8)	5.24 (7.80)	TT122013 GL	U D	1101 0.02	902 0.04	652 0.06	469 0.08	344 0.10	268 0.13	211 0.15	192 0.20	170 0.25	123 0.25	92 0.25	70 0.25	54 0.25			
	3" (76.2)	5.57 (8.29)	TT123013 GL	U D	2986 0.02	2446 0.04	1769 0.06	1273 0.08	933 0.10	728 0.13	573 0.15	522 0.20	461 0.25	335 0.25	249 0.25	189 0.25	146 0.25	91 0.25	60 0.25	41 0.25
Steel 11 ga.	1 1/2" (38.1)	6.90 (10.27)	TT121511 GL	U D	682 0.02	559 0.04	404 0.06	291 0.08	213 0.10	166 0.13	131 0.15	119 0.20	105 0.25	76 0.25	57 0.25					
	2" (50.8)	7.30 (10.86)	TT122011 GL	U D	1395 0.02	1143 0.04	827 0.06	595 0.08	436 0.10	340 0.13	268 0.15	244 0.20	215 0.25	156 0.25	116 0.25	88 0.25	68 0.25			
	3" (76.2)	8.23 (12.25)	TT123011 GL	U D	3831 0.02	3138 0.04	2270 0.06	1634 0.08	1197 0.10	934 0.13	736 0.15	670 0.20	591 0.25	429 0.25	319 0.25	242 0.25	187 0.25	117 0.25	77 0.25	52 0.25
Alum 0.125"	1 1/2" (38.1)	2.37 (3.52)	TT1215125 AL	U D	238 0.02	195 0.04	141 0.06	101 0.08	74 0.10	58 0.13	46 0.15	42 0.20	37 0.25	27 0.25	20 0.25					
	2" (50.8)	2.52 (3.75)	TT1220125 AL	U D	487 0.02	399 0.04	288 0.06	207 0.08	152 0.10	119 0.13	93 0.15	85 0.20	75 0.25	55 0.25	41 0.25	31 0.25	24 0.25			

Engineering Data For Both Channels

Material Gauge	Channel Depth in.	Sx in. ³	Ix in. ⁴
Steel 13 ga.	1 1/2"	0.344	0.396
	2"	0.534	0.806
	3"	1.000	2.196
Steel 11 ga.	1 1/2"	0.273	0.316
	2"	0.420	0.636
	3"	1.711	0.782
Aluminum .125"	1 1/2"	0.348	0.400
	2"	0.540	0.815