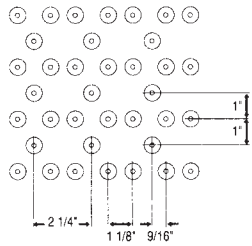


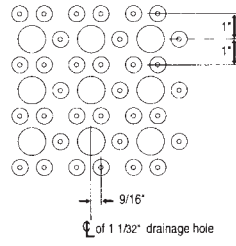
Safety Grating

SAFETY-TREAD® CHANNEL

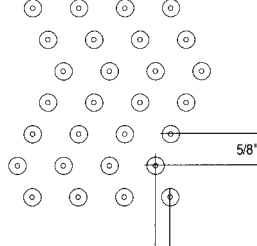
Optional Dimpled Patterns



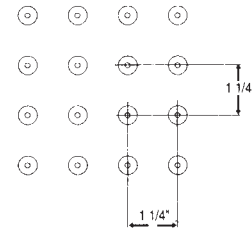
Safety-Tread® Star



Safety-Tread® Star Drainage

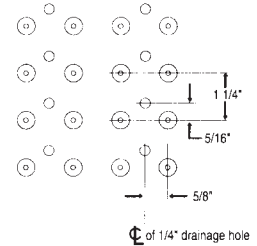


Safety-Tread® "V"



Safety-Tread® Square

TECHNICAL DETAILS



Safety-Tread® Square Drainage

LOAD & DEFLECTION TABLES

Explanation of Load Type

- U = uniform load (lb/ft²)
- D = corresponding deflection (in) resulting from uniform load
- C = concentrated load (lb)
- D = corresponding deflection (in) resulting from concentrated load

Note:

- All uniform and concentrated loads include a safety factor of 1.67.
- Shaded areas, based on loads indicated, may exceed deflections of L/120.

10 Inch Wide

PRODUCT DETAILS

Type	Depth Weight	Catalog Number	Ix IN.4 Sx IN.3	CLEAR SPAN ^{FT}																		
				24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"		
Steel 13 GA	1-1/2"	TP5153	.272	U	1070	773	476	370	267	219	171	145	119	103	87	77	67					
				D	0.05	0.09	0.12	0.17	0.21	0.27	0.33	0.41	0.48	0.56	0.65	0.75	0.85					
				C	625	610	594	519	445	400	356	326	297	275	254	238	223					
	4.24 lb/ft			.267	U	625	610	594	519	445	400	356	326	297	275	254	238	223				
					D	0.03	0.06	0.10	0.14	0.18	0.22	0.27	0.33	0.39	0.45	0.52	0.60	0.69				
					C	625	625	625	625	625	582	539	494	449	418	387	359	332	300	274		
Steel 11 GA	1-1/2"	TP5151	.343	U	1343	971	599	468	338	278	218	185	152	132	113	100	87					
				D	0.06	0.10	0.13	0.19	0.23	0.30	0.37	0.45	0.53	0.63	0.73	0.85	0.96					
				C	861	805	749	656	564	508	453	416	380	354	328	309	290					
	5.54 lb/ft			.369	U	1881	1366	851	676	501	410	320	271	223	194	164	145	126	99	80		
					D	0.04	0.08	0.11	0.15	0.19	0.24	0.29	0.36	0.43	0.51	0.59	0.68	0.77				
					C	861	861	861	861	861	757	681	624	568	527	487	456	426	378	340		
2"	TP5201	.689	.511	U	1500	1108	716	560	404	332	261	221	182	158	134	118	102	80	65			
				D	0.04	0.08	0.10	0.14	0.17	0.22	0.27	0.33	0.39	0.47	0.54	0.62	0.70	0.88	1.08			
				C	625	625	625	625	625	582	539	494	449	418	387	359	332	300	274			

12 Inch Wide

PRODUCT DETAILS

Type	Depth Weight	Catalog Number	Ix IN.4 Sx IN.3	CLEAR SPAN ^{FT}																		
				24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"		
Steel 13 GA	1-1/2"	TP6153	.320	U	991	716	442	346	250	205	161	137	113	97	82	72	63					
				D	0.05	0.09	0.12	0.17	0.21	0.27	0.33	0.41	0.48	0.57	0.65	0.75	0.85					
				C	866	764	663	581	500	451	403	370	338	312	287	269	251					
	4.83 lb/ft			.302	U	1457	1053	649	508	367	301	236	200	165	143	122	108	94	75	60		
					D	0.04	0.07	0.10	0.14	0.18	0.23	0.28	0.34	0.40	0.47	0.55	0.63	0.72				
					C	866	866	866	800	733	661	590	542	494	460	427	401	376	335	300		
Steel 11 GA	1-1/2"	TP6151	.406	U	1118	808	499	390	282	232	182	154	127	110	94	83	72					
				D	0.06	0.10	0.12	0.18	0.22	0.29	0.35	0.43	0.50	0.60	0.69	0.81	0.93					
				C	1118	933	748	656	564	509	454	418	381	355	329	310	291					
	6.33 lb/ft			.376	U	1875	1201	835	614	471	373	303	251	211	180	156	136	120	96	78		
					D	0.06	0.09	0.13	0.18	0.24	0.31	0.39	0.46	0.55	0.64	0.75	0.86	0.99	1.27	1.57		
					C	1362	1362	1253	1075	942	839	752	690	634	586	546	511	481	431	391		
2"	TP6201	.792	.571	U	1500	1108	716	560	404	332	261	221	182	158	134	118	102	80	65			
				D	0.04	0.08	0.10	0.14	0.17	0.22	0.27	0.33	0.39	0.47	0.54	0.62	0.70	0.88	1.08			
				C	625	625	625	625	625	582	539	494	449	418	387	359	332	300	274			

Note: Due to the low profile of the walking surface, 11 guage material is recommended to help reduce strut deflection.