

SAFETY GRATING

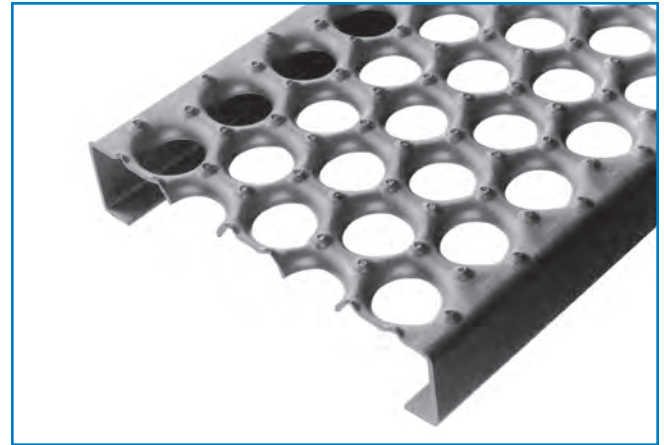
SAFETY-GRIP®

PRODUCT DESCRIPTION

Safety-Grip® is a one-piece metal plank grating manufactured by a cold forming process in the shape of a channel. The web of the channel is the walking surface and has large debossed holes, surrounded by smaller embossed traction buttons.

FEATURES & BENEFITS

- Embossed traction buttons provide superior slip resistance in all directions and in all weather conditions.
- Large debossed holes provide maximum drainage of debris and allow up to 50% free air opening depending on channel width.
- Self-cleaning due to resilience of walking surface.
- One-piece metal construction.
- Lightweight design provides high strength to weight ratio.
- Long life span requiring little maintenance.
- Simple and economical installation as planks are self-framing.
- Adaptable to cost effective custom fabrication.
- Can be easily formed in standard channel or custom shapes.



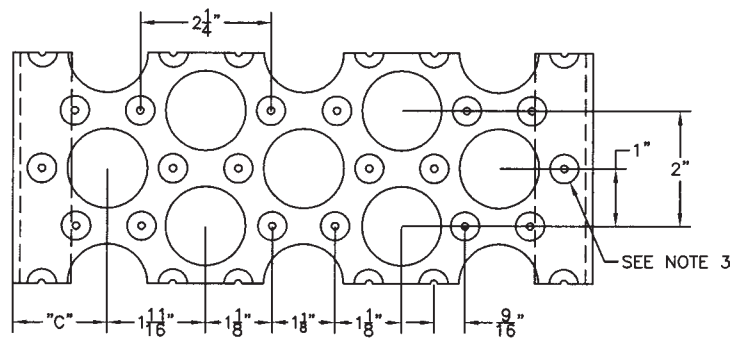
MATERIAL SPECIFICATIONS

Grating shall be "Safety-Grip® channel," manufactured from (see 'Selections' below) and complete with a (1-1/2", 2", 3") side channel depth.

SELECTIONS

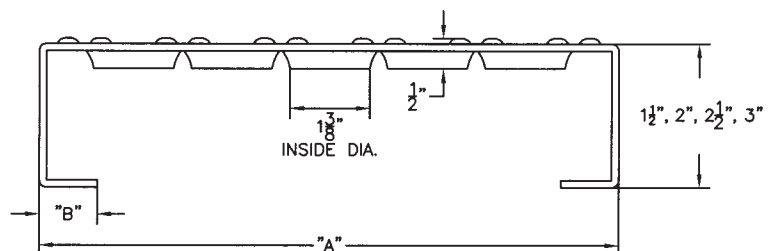
- ASTM-A-653, G-90 (Z-275) Pre-galvanized 13 or 11 gauge steel.
- ASTM-A-1011, HRP&O 13 or 11 gauge steel.
- 5052H32 Aluminum .125" thick (up to 18" width).
- Type 316L 2B Stainless Steel 14 gauge (up to 12" width).
- Type 304L 2B Stainless Steel 16 gauge (up to 12" width).

CHANNEL WIDTH "A"	RETURN FLANGE "B"	Ø HOLE CHANNEL EDGE "C"
**5"	7/8"	1 21/32"
7"	1"	1 13/16"
10"	7/8"	1 5/8"
**12"	1"	1 25/32"
**18"	1"	1 13/32"
24"	1 1/18"	1 7/8"
30"	1 1/18"	2 11/32"



Note:

1. Tolerances on all dimensions are $\pm 1/8$ "
2. End-hole pattern shown on diagram is even. Widths indicated with ** have a staggered end-hole pattern.
3. Outside traction buttons on all widths except 18" & 24" width.
4. Standard lengths are 120" and 144".
5. Tolerance on manufactured and cut lengths is $\pm 1/8$ ".
6. Camber is an expected condition with sheet metal products. While ASTM allowance is generous, Grating Systems attempts to lessen the effects. Normal clearances should offset this phenomenon.



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.
- Spans and loads to the right of the bold line, based on loads indicated, may exceed deflections of L/120.

5 Inch Wide - 2 Hole

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																	
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
Steel 13 GA	1-1/2"	.228	U	1947	1248	868	639	490	388	315	261	220	188	163	142	126				
			D	0.06	0.10	0.14	0.19	0.25	0.32	0.39	0.48	0.57	0.67	0.78	0.90	1.03				
	2.6 lb/ft	.247	C	811	650	542	466	408	364	328	299	275	255	237	222	209				
			D	0.05	0.08	0.11	0.15	0.20	0.25	0.31	0.38	0.46	0.54	0.62	0.72	0.82				
	2"	.449	U	2943	1885	1311	964	739	585	475	393	331	283	245	214	188	150	122	102	86
			D	0.05	0.08	0.11	0.16	0.20	0.26	0.32	0.39	0.46	0.54	0.63	0.73	0.83	1.05	1.31	1.60	1.92
2.8 lb/ft	.372	C	973	973	819	703	616	549	495	451	414	383	357	334	314	281	255	233	216	
		D	0.03	0.06	0.09	0.12	0.16	0.21	0.25	0.31	0.37	0.43	0.50	0.58	0.66	0.84	1.05	1.28	1.54	
Alum .125"	2"	.603	U	2479	1587	1102	809	620	490	397	328	275								
			D	0.08	0.12	0.17	0.24	0.31	0.39	0.49	0.59	0.70								
			C	1033	826	689	590	516	459	413	379	344								
1.3 lb/ft	.449	D	0.06	0.10	0.14	0.19	0.25	0.32	0.39	0.47	0.56									
		C	1033	826	689	590	516	459	413	379	344									
		D	0.06	0.10	0.14	0.19	0.25	0.32	0.39	0.47	0.56									
Stainless Steel 14 GA	2"	.377	U	3295	2109	1464	1076	824	651	527	436	366	312	269	234					
			D	0.05	0.07	0.11	0.15	0.19	0.24	0.30	0.36	0.43	0.50	0.58	0.67					
			C	1373	1098	915	784	686	610	549	499	458	422	392	366					
2.5 lb/ft	.312	D	0.04	0.06	0.09	0.12	0.15	0.19	0.24	0.29	0.34	0.40	0.47	0.53						
		C	1373	1098	915	784	686	610	549	499	458	422	392	366						
		D	0.04	0.06	0.09	0.12	0.15	0.19	0.24	0.29	0.34	0.40	0.47	0.53						

7 Inch Wide - 3 Hole

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																	
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
Steel 13 GA	1-1/2"	.260	U	1489	954	664	489	375	297	241	200	169	144	125	109	97				
			D	0.06	0.09	0.14	0.19	0.24	0.31	0.38	0.46	0.55	0.65	0.76	0.88	1.00				
	3 lb/ft	.277	C	793	696	581	499	437	390	352	321	295	274	255	239	225				
			D	0.04	0.08	0.11	0.15	0.19	0.25	0.31	0.37	0.44	0.52	0.61	0.70	0.80				
	2"	.509	U	2229	1428	993	731	560	444	360	298	251	215	186	162	143	114	93		
			D	0.05	0.08	0.11	0.15	0.20	0.25	0.31	0.37	0.45	0.52	0.61	0.70	0.80	1.02	1.27		
3.3 lb/ft	.415	C	793	793	793	746	654	582	525	479	440	407	379	355	334	299	271			
		D	0.02	0.05	0.08	0.12	0.16	0.20	0.25	0.30	0.36	0.42	0.49	0.56	0.64	0.82	1.02			
Steel 11 GA	1-1/2"	.330	U	1921	1231	856	630	483	382	310	257	217	185	160	140	124				
			D	0.06	0.10	0.14	0.19	0.24	0.31	0.38	0.47	0.56	0.65	0.76	0.88	1.00				
	4.2 lb/ft	.353	C	1098	897	749	643	564	502	453	413	379	351	327	306	288				
			D	0.05	0.08	0.11	0.15	0.20	0.25	0.31	0.37	0.44	0.52	0.61	0.70	0.80				
	2"	.655	U	2995	1918	1333	981	752	595	483	399	336	293	253	221	195	155	126	105	89
			D	0.05	0.08	0.12	0.16	0.21	0.27	0.34	0.41	0.49	0.56	0.62	0.71	0.81	1.03	1.28	1.56	1.87
4.5 lb/ft	.534	C	1098	1098	1098	1001	877	781	704	641	586	556	517	484	455	407	368	337	311	
		D	0.03	0.05	0.09	0.13	0.17	0.22	0.27	0.33	0.39	0.44	0.49	0.57	0.65	0.82	1.02	1.25	1.50	
3"	1.726	U	3765	3602	2503	1840	1410	1115	904	748	629	537	464	404	356	282	229	190	161	
		D	0.02	0.05	0.08	0.11	0.14	0.18	0.22	0.26	0.31	0.37	0.43	0.49	0.56	0.71	0.88	1.07	1.28	
		C	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1018	946	885	831	741	669	611	563
4.8 lb/ft	.966	D	0.01	0.02	0.03	0.05	0.07	0.11	0.14	0.19	0.25	0.29	0.34	0.39	0.45	0.57	0.70	0.85	1.02	
		C	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098	1098
		D	0.01	0.02	0.03	0.05	0.07	0.11	0.14	0.19	0.25	0.29	0.34	0.39	0.45	0.57	0.70	0.85	1.02	
Alum .125"	2"	.686	U	1984	1270	882	648	496	392	317	262	220								
			D	0.08	0.13	0.19	0.25	0.33	0.42	0.52	0.63	0.75								
			C	1157	926	771	661	579	514	463	421	386								
1.5 lb/ft	.559	D	0.06	0.10	0.15	0.20	0.27	0.34	0.42	0.50	0.60									
		C	1157	926	771	661	579	514	463	421	386									
		D	0.06	0.10	0.15	0.20	0.27	0.34	0.42	0.50	0.60									
Stainless Steel 14 GA	2"	.426	U	2148	1375	955	701	537	424	344	284	239	203	175						
			D	0.04	0.06	0.09	0.12	0.15	0.19	0.24	0.29	0.35	0.41	0.47						
			C	1253	1002	835	716	626	557	501	456	418	385	358						
2.8 lb/ft	.348	D	0.03	0.05	0.07	0.09	0.12	0.16	0.19	0.23	0.28	0.32	0.38							
		C	1253	1002	835	716	626	557	501	456	418	385	358							
		D	0.03	0.05	0.07	0.09	0.12	0.16	0.19	0.23	0.28	0.32	0.38							

SAFETY GRATING

LOAD & DEFLECTION TABLES

10 Inch Wide - 5 Hole

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																	
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
Steel 13 GA	1-1/2"	.271	U	1128	722	501	368	282	223	181	149	125	107	92	80	71				
			D	0.06	0.09	0.13	0.17	0.23	0.29	0.35	0.42	0.50	0.57	0.65	0.75	0.87				
	3.5 lb/ft	.259	C	625	625	625	537	470	418	376	342	313	289	269	251	235				
			D	0.03	0.06	0.10	0.13	0.18	0.23	0.29	0.34	0.41	0.47	0.53	0.61	0.78				
	2"	.536	U	1500	1076	748	551	422	334	272	225	190	162	140	122	107	85	68	57	48
			D	0.04	0.07	0.10	0.14	0.18	0.23	0.29	0.35	0.42	0.49	0.57	0.66	0.75	0.95	1.16	1.41	1.69
3.9 lb/ft	.393	C	625	625	625	625	625	625	566	516	474	439	409	380	357	317	290	259	238	
		D	0.02	0.03	0.05	0.09	0.13	0.19	0.23	0.28	0.33	0.39	0.46	0.53	0.60	0.76	0.93	1.13	1.34	
Steel 11 GA	1-1/2"	.343	U	1343	861	599	441	338	268	218	180	152	130	113	98	87				
			D	0.06	0.09	0.13	0.18	0.23	0.29	0.36	0.44	0.53	0.62	0.72	0.84	0.95				
	4.5 lb/ft	.329	C	861	861	749	643	564	502	453	413	380	352	328	308	290				
			D	0.04	0.07	0.10	0.14	0.19	0.24	0.29	0.35	0.42	0.50	0.58	0.67	0.76				
	2"	.689	U	2067	1402	975	717	550	435	353	291	245	209	180	157	138	109	88	73	61
			D	0.06	0.09	0.13	0.18	0.23	0.29	0.36	0.42	0.47	0.54	0.57	0.66	0.76	0.91	1.13	1.38	1.63
	4.8 lb/ft	.506	C	861	861	861	861	861	861	735	668	612	565	528	490	459	408	367	334	306
			D	0.02	0.04	0.07	0.12	0.17	0.20	0.29	0.35	0.39	0.43	0.48	0.53	0.58	0.74	0.91	1.09	1.30
	3"	1.844	U	2067	2067	1816	1334	1021	807	654	540	454	387	334	291	255	202	163	135	113
			D	0.02	0.04	0.07	0.11	0.13	0.17	0.21	0.26	0.31	0.36	0.42	0.48	0.54	0.70	0.84	1.03	1.22
	5.1 lb/ft	.938	C	861	861	861	861	861	861	861	861	861	861	861	861	851	757	681	619	567
			D	0.01	0.01	0.02	0.04	0.06	0.08	0.11	0.14	0.19	0.24	0.30	0.36	0.44	0.55	0.68	0.83	0.98
Alum .125"	2"	.722	U	1278	871	605	445	341	269	218	181	152								
			D	0.08	0.14	0.20	0.28	0.36	0.46	0.57	0.68	0.82								
	1.8 lb/ft	.530	C	533	533	533	533	533	505	455	414	380								
			D	0.03	0.07	0.11	0.18	0.27	0.37	0.45	0.55	0.65								
Stainless Steel 14 GA	2"	.401	U	946	762	529	388	298	235	190	157	133								
			D	0.04	0.08	0.11	0.15	0.20	0.25	0.31	0.37	0.45								
	3.2 lb/ft	.287	C	394	394	394	394	394	394	394	360	331								
			D	0.02	0.03	0.05	0.09	0.13	0.17	0.21	0.29	0.37								

12 Inch Wide - 6 Hole

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																	
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
Steel 13 GA	1-1/2"	.350	U	991	635	442	326	250	198	161	134	113	97	84	74	65				
			D	0.05	0.08	0.12	0.17	0.22	0.28	0.34	0.42	0.50	0.58	0.68	0.78	0.89				
	4.3 lb/ft	.291	C	866	794	663	570	500	446	403	368	338	315	294	276	260				
			D	0.04	0.07	0.10	0.13	0.18	0.22	0.28	0.34	0.40	0.46	0.54	0.62	0.71				
	2"	.630	U	1457	934	649	478	367	290	236	195	165	141	122	107	94	75	61		
			D	0.04	0.07	0.10	0.13	0.17	0.22	0.27	0.33	0.40	0.47	0.54	0.63	0.71	0.91	1.14		
4.6 lb/ft	.437	C	866	866	866	836	733	653	590	538	494	458	427	400	376	338	307			
		D	0.02	0.04	0.07	0.11	0.14	0.18	0.22	0.27	0.32	0.37	0.43	0.50	0.57	0.73	0.91			
Steel 11 GA	1-1/2"	.406	U	1118	717	499	367	282	223	182	151	127	109	94	82	73				
			D	0.06	0.09	0.13	0.17	0.22	0.28	0.35	0.43	0.51	0.60	0.70	0.81	0.92				
	5.3 lb/ft	.373	C	1118	896	748	643	564	503	454	414	381	353	329	309	291				
			D	0.04	0.07	0.10	0.14	0.18	0.23	0.28	0.34	0.41	0.48	0.56	0.65	0.74				
	2"	.812	U	1875	1201	835	614	471	373	303	251	211	180	156	136	120	96	78	65	55
			D	0.06	0.09	0.14	0.18	0.24	0.31	0.38	0.46	0.55	0.65	0.75	0.86	0.99	1.26	1.57	1.91	2.30
	5.5 lb/ft	.570	C	1362	1362	1253	1075	942	839	757	690	634	586	546	511	481	431	391	358	331
			D	0.03	0.07	0.11	0.15	0.19	0.25	0.30	0.37	0.44	0.52	0.60	0.69	0.79	1.01	1.25	1.53	1.84
	3"	2.158	U	2725	2370	1647	1211	928	734	595	492	414	354	305	266	235	186	151	126	106
			D	0.03	0.06	0.08	0.11	0.14	0.18	0.23	0.27	0.33	0.38	0.45	0.51	0.59	0.74	0.92	1.12	1.34
	6.2 lb/ft	1.045	C	1362	1362	1362	1362	1362	1362	1362	1354	1243	1149	1069	999	939	838	757	692	632
			D	0.01	0.02	0.04	0.06	0.09	0.12	0.17	0.22	0.26	0.31	0.36	0.41	0.47	0.60	0.74	0.90	1.07
Alum .125"	2"	.851	U	1245	797	554	407	312	247	200	165	139								
			D	0.09	0.15	0.21	0.29	0.38	0.48	0.59	0.72	0.86								
	2.1 lb/ft	.597	C	839	839	831	713	624	555	500	455	417								
			D	0.05	0.10	0.17	0.23	0.30	0.38	0.48	0.58	0.69								
Stainless Steel 14 GA	2"	.427	U	871	600	417	308	236	187	152	126	106								
			D	0.04	0.07	0.09	0.13	0.17	0.22	0.27	0.33	0.39								
	3.8 lb/ft	.313	C	435	435	435	435	435	435	434	394	361								
			D	0.02	0.03	0.05	0.09	0.13	0.19	0.25	0.30	0.36								

SAFETY GRATING

LOAD & DEFLECTION TABLES

18 Inch Wide - 10 Hole

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																		
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"		
Steel 13 GA	1-1/2"	.345	U	641	441	307	226	174	138	112	93	79	68	59	51	46					
			D	0.05	0.10	0.14	0.19	0.25	0.31	0.39	0.47	0.56	0.67	0.78	0.90	1.03					
	5.7 lb/ft	.292	C	480	480	480	480	480	466	421	385	355	327	304	284	266					
			D	0.02	0.04	0.08	0.12	0.18	0.25	0.31	0.38	0.45	0.53	0.61	0.71	0.80					
	2"	.677		U	641	641	460	339	260	206	168	139	117	100	87	76	67	53	43		
				D	0.03	0.07	0.11	0.15	0.19	0.24	0.30	0.36	0.43	0.51	0.60	0.69	0.79	1.01	1.26		
6.0 lb/ft	.440		C	480	480	480	480	480	480	480	480	480	480	456	426	399	355	319			
			D	0.01	0.02	0.04	0.06	0.09	0.13	0.18	0.24	0.32	0.40	0.48	0.55	0.62	0.78	1.06			
Steel 11 GA	1-1/2"	.444	U	752	482	336	247	190	151	123	102	86	74	64	56	50					
			D	0.06	0.09	0.13	0.17	0.23	0.29	0.36	0.44	0.52	0.62	0.72	0.83	0.95					
	6.8 lb/ft	.381	C	1116	904	755	649	570	509	460	420	387	359	335	315	297					
			D	0.04	0.07	0.10	0.14	0.18	0.23	0.29	0.35	0.42	0.49	0.58	0.67	0.76					
	2"	.894		U	1207	773	538	396	304	241	195	162	137	117	101	88	78	62	51		
				D	0.05	0.08	0.12	0.16	0.21	0.26	0.33	0.40	0.47	0.56	0.65	0.75	0.85	1.09	1.36		
	7.1 lb/ft	.583		C	1116	1116	1116	1039	911	812	733	668	615	570	531	498	469	421	383		
				D	0.03	0.05	0.09	0.13	0.17	0.21	0.26	0.32	0.38	0.45	0.52	0.60	0.68	0.87	1.09		
	3"	2.400		U	1488	1488	1153	847	649	512	415	343	288	246	212	184	162	128	104	86	72
				D	0.02	0.04	0.07	0.10	0.13	0.15	0.19	0.23	0.27	0.32	0.37	0.43	0.48	0.61	0.76	0.92	1.08
	7.9 lb/ft	1.070		C	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116	1038	973	865	778	708	649
				D	0.01	0.01	0.20	0.04	0.06	0.08	0.11	0.14	0.19	0.24	0.30	0.34	0.39	0.49	0.60	0.73	0.87
Alum .125"	2"	.936	U	792	581	360	265	203	160	130	108	91	77								
			D	0.08	0.13	0.19	0.25	0.33	0.42	0.52	0.63	0.75	0.88								
	2.8 lb/ft	.612	C	594	594	594	594	594	630	567	515	472	436								
			D	0.03	0.06	0.11	0.17	0.26	0.38	0.48	0.58	0.70	0.81								

24 Inch Wide - 13 Hole

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																		
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"		
Steel 11 GA	2"	1.017	U	524	524	467	344	264	209	170	141	119	102	88	77	68	54	44			
			D	0.03	0.07	0.13	0.17	0.23	0.29	0.36	0.43	0.52	0.61	0.71	0.82	0.94	1.20	1.50			
	8.9 lb/ft	.634	C	524	524	524	524	524	524	524	524	524	524	524	524	524	489	445			
			D	0.01	0.02	0.04	0.06	0.09	0.13	0.18	0.24	0.31	0.39	0.48	0.60	0.72	0.96	1.20			
	3"	2.694		U	524	524	524	524	473	374	304	252	212	181	156	137	120	96	78	65	55
				D	0.01	0.02	0.04	0.07	0.11	0.14	0.18	0.22	0.26	0.30	0.35	0.40	0.46	0.59	0.73	0.89	1.07
9.8 lb/ft	1.149		C	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	
			D	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.11	0.13	0.17	0.20	0.29	0.39	0.52	0.68	

30 Inch Wide - 16 Hole

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																	
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
Steel 11 GA	2"	1.985	U	275	275	275	251	231	183	148	122	103								
			D	0.02	0.04	0.09	0.17	0.24	0.31	0.38	0.47	0.56								
	11.8 lb/ft	.777	C	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	
			D	0.01	0.01	0.02	0.04	0.06	0.08	0.11	0.15	0.20								
	3"	2.728		U	275	275	275	275	275	251	219	181	152	130	112	97	86			
				D	0.01	0.01	0.03	0.06	0.09	0.13	0.18	0.22	0.26	0.32	0.36	0.42	0.45			
12.7 lb/ft	1.152		C	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	
			D	0.00	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.06	0.08	0.10	0.12	0.15				
4"	5.402		U	275	275	275	275	275	275	275	275	240	205	177	155	136	108	88	73	62
			D	0.00	0.01	0.01	0.03	0.04	0.07	0.11	0.16	0.20	0.23	0.27	0.31	0.36	0.45	0.56	0.68	0.82
	13.5 lb/ft	1.769	C	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343	343
			D	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.10	0.14	0.19	0.24

Note: Strut deflection may become a limiting factor on 18" and 24" widths resulting in lower load values as indicated in tables.

SAFETY GRATING

SAFETY-GRIP® WALKWAY

PRODUCT DESCRIPTION

Safety-Grip® walkway is a one-piece metal plank grating manufactured by a cold forming process in the shape of an inverted channel. The web of the channel is the walking surface and has large debossed holes, surrounded by smaller embossed traction buttons. The extended flanges support the load and provide a built in kickplate (toeboard).

FEATURES & BENEFITS

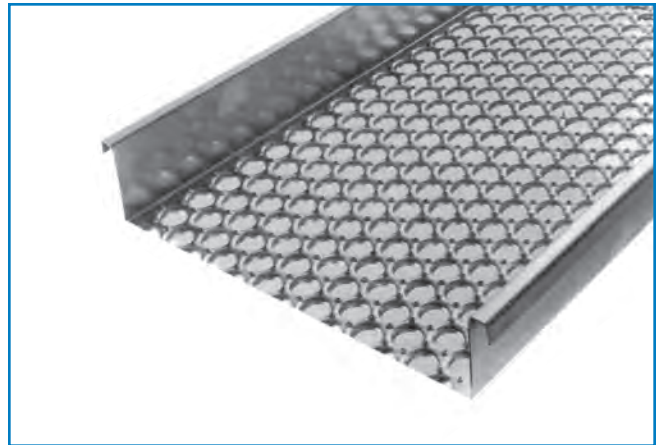
- Embossed traction buttons provide superior slip resistance in all directions and in all weather conditions.
- Large debossed holes provide maximum drainage of debris and allow up to 50% free air opening depending on channel width.
- Self-cleaning due to resilience of walking surface.
- One-piece metal construction complete with a full 5" toe-board height on each side of the walking surface.
- Lightweight design provides high strength to weight ratio.
- Long life span requiring little maintenance.
- Simple and economical installation as walkways are self-framing.
- Adaptable to cost effective custom fabrication.

MATERIAL SPECIFICATIONS

Grating shall be "Safety-Grip® walkway," manufactured from (see 'Selections' below) and complete with an integral 5" toe-board.

SELECTIONS

- ASTM-A-653, G-90 (Z-275) pre-galvanized 13 or 11 gauge steel.
- ASTM-A-1011, HRP&O 13 or 11 gauge steel.



SAFETY-GRIP® WALKWAY

PRODUCT DETAILS

Type	Depth Weight	Ix IN. ⁴ Sx IN. ³	CLEAR SPAN																	
			24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	108"	120"	132"	144"	
24" Wide 13 GA	5"	6.610	U	355	355	355	355	355	355	355	355	355	346	301	245	209	169	140	118	
			D	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.10	0.15	0.20	0.26	0.30	0.35	0.44	0.53	0.65	0.78
	8.7 lb/ft	2.078	C	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355	
24" Wide 11 GA	5"	9.968	U	657	657	657	657	657	657	657	657	619	528	455	396	348	275	223	104	155
			D	0.00	0.01	0.01	0.02	0.03	0.05	0.08	0.12	0.16	0.19	0.22	0.26	0.29	0.37	0.45	0.54	0.65
	11.8 lb/ft	2.880	C	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657
30" Wide 11 GA	5"	10.090	U	384	384	384	384	384	384	384	384	355	306	267	234	185	150	124	104	
			D	0.00	0.01	0.01	0.02	0.04	0.06	0.09	0.16	0.20	0.23	0.26	0.30	0.34	0.45	0.55	0.66	0.78
	13.6 lb/ft	2.889	C	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480
36" Wide 11 GA	5"	N/A	U	185	185	185	185	185	185	185	185	185	185	185	185	158	128	106	89	
			D	0.00	0.00	0.01	0.01	0.02	0.04	0.06	0.09	0.12	0.17	0.22	0.29	0.38	0.52	0.65	0.78	0.94
	15.9 lb/ft	N/A	C	273	273	273	273	273	273	273	273	273	273	273	273	273	273	273	273	273
			D	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.10	0.13	

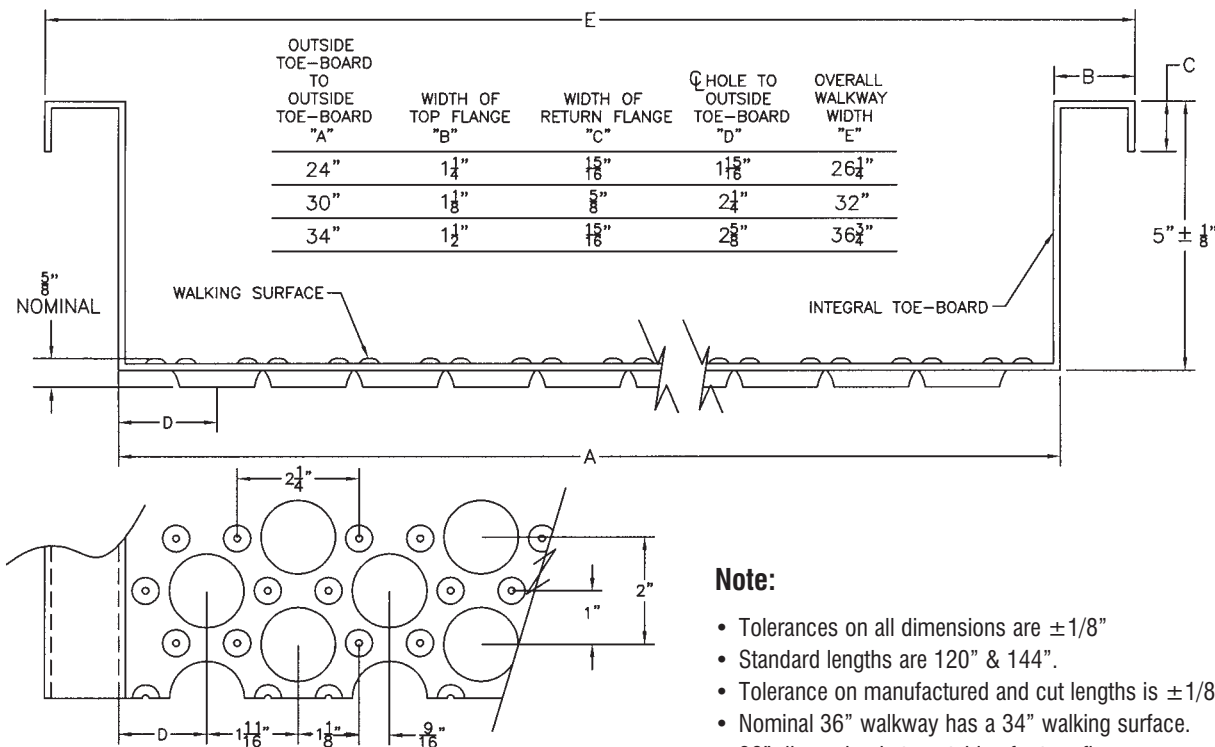
Explanation of Load Type

- 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.
- Area in bold outline—contact Grating Systems for recommendations.
- Strut deflection may become a limiting factor resulting in lower load values as indicated in table.

TECHNICAL DETAILS



Note:

- Tolerances on all dimensions are ±1/8"
- Standard lengths are 120" & 144".
- Tolerance on manufactured and cut lengths is ±1/8".
- Nominal 36" walkway has a 34" walking surface. 36" dimension is to outside of return flange.

Camber is an expected condition with sheet metal products. While ASTM allowance is generous, Grating Systems attempts to lessen the effects. Normal clearances should offset this phenomenon.