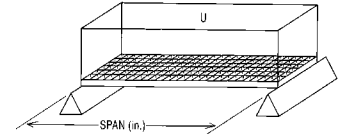


# Load Tables - Fibergrate® Molded Gratings

Uniform load tables for alternate thickness Fibergrate grating (3/4x1x4, 3/4x1-1/2x1-1/2, 1-1/4x1-1/2x1-1/2) and Micro-Mesh® 1/2" grating can be found on our website - [www.fibergrate.com](http://www.fibergrate.com) - under *Products, Molded Grating, Fibergrate Molded Gratings* and click on *Additional Load Tables*.



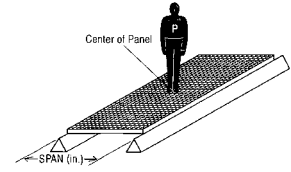
\*Also represents load data for Micro-Mesh 1-1/2" deep x 3/4" square top mesh grating (4' x 12') panel.

MOLDED GRATING UNIFORM LOAD TABLES - DEFLECTION IN INCHES												MAX. RECOM. LOAD (psf)	ULTIMATE CAPACITY (psf)
CLEAR SPAN (in)	STYLE		LOAD (psf)										
	DEPTH (in)	MESH (in x in)	50	65	100	150	200	300	500	1000	2000		
12	5/8	1 x 4	0.01	0.02	0.03	0.04	0.05	0.08	--	--	--	1540	7720
	1	3/4 x 3/4	<.01	<.01	<.01	<.01	0.01	0.02	0.03	0.06	0.12	1770	8880
	1	3/4 x 4	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	0.08	2800	14040
	1	1 x 4	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.05	0.09	2140	10700
	1	1-1/2 x 1-1/2	<.01	<.01	<.01	<.01	<.01	0.02	0.04	0.08	0.16	1420	7120
	1	2 x 2	<.01	0.01	0.02	0.03	0.04	0.06	--	--	--	1020	5140
	1-1/2*	1-1/2 x 1-1/2	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	0.07	3200	16000
2	2 x 2	<.01	<.01	<.01	<.01	<.01	<.01	0.01	0.02	0.04	3840	19240	
18	5/8	1 x 4	0.05	0.07	0.11	0.16	0.22	--	--	--	--	680	3410
	1	3/4 x 3/4	0.01	0.02	0.03	0.04	0.06	0.08	0.14	0.28	--	780	3940
	1	3/4 x 4	0.01	0.01	0.02	0.03	0.04	0.06	0.10	0.20	0.40	1240	6200
	1	1 x 4	0.01	0.01	0.02	0.03	0.04	0.07	0.11	0.22	0.44	950	4750
	1	1-1/2 x 1-1/2	0.02	0.02	0.04	0.06	0.08	0.11	0.2	0.38	--	630	3170
	1	2 x 2	0.04	0.05	0.08	0.11	--	--	--	--	--	450	2290
	1-1/2*	1-1/2 x 1-1/2	<.01	<.01	0.01	0.02	0.03	0.04	0.07	0.14	0.28	1420	7100
2	2 x 2	<.01	<.01	0.01	0.01	0.02	0.03	0.04	0.09	0.17	1850	9280	
24	5/8	1 x 4	0.15	0.19	0.3	0.45	--	--	--	--	--	380	1920
	1	3/4 x 3/4	0.04	0.05	0.08	0.12	0.16	0.24	0.41	--	--	440	2220
	1	3/4 x 4	0.03	0.04	0.06	0.09	0.12	0.18	0.30	--	--	700	3500
	1	1 x 4	0.04	0.05	0.07	0.11	0.15	0.22	0.37	--	--	530	2670
	1	1-1/2 x 1-1/2	0.06	0.08	0.12	0.19	0.25	0.37	--	--	--	350	1780
	1	2 x 2	0.11	0.14	0.21	0.32	--	--	--	--	--	250	1280
	1-1/2*	1-1/2 x 1-1/2	0.02	0.03	0.04	0.06	0.08	0.12	0.21	0.42	--	800	4000
2	2 x 2	0.01	0.01	0.02	0.03	0.04	0.06	0.10	0.20	--	1040	5220	
30	5/8	1 x 4	0.32	0.41	--	--	--	--	--	--	--	240	1230
	1	3/4 x 3/4	0.10	0.13	0.20	0.29	0.39	--	--	--	--	280	1400
	1	3/4 x 4	0.07	0.10	0.15	0.22	0.30	0.44	--	--	--	440	2200
	1	1 x 4	0.08	0.11	0.17	0.26	0.34	--	--	--	--	340	1710
	1	1-1/2 x 1-1/2	0.14	0.18	0.27	0.41	--	--	--	--	--	220	1140
	1	2 x 2	0.24	0.31	0.48	--	--	--	--	--	--	160	820
	1-1/2*	1-1/2 x 1-1/2	0.05	0.06	0.09	0.14	0.18	0.27	0.46	--	--	510	2560
2	2 x 2	0.02	0.03	0.05	0.07	0.09	0.14	0.26	0.45	--	660	3340	
36	1	3/4 x 3/4	0.20	0.26	0.40	--	--	--	--	--	--	190	990
	1	3/4 x 4	0.15	0.20	0.31	0.46	--	--	--	--	--	310	1500
	1	1 x 4	0.16	0.21	0.32	0.49	--	--	--	--	--	230	1180
	1	1-1/2 x 1-1/2	0.31	0.40	--	--	--	--	--	--	--	150	790
	1	2 x 2	0.46	--	--	--	--	--	--	--	--	110	570
	1-1/2*	1-1/2 x 1-1/2	0.1	0.13	0.20	0.30	0.40	--	--	--	--	350	1770
	2	2 x 2	0.04	0.06	0.09	0.13	0.18	0.26	0.44	--	--	460	2320
42	1	3/4 x 3/4	0.37	0.48	--	--	--	--	--	--	--	140	720
	1	3/4 x 4	0.28	0.37	--	--	--	--	--	--	--	220	1100
	1	1 x 4	0.33	0.43	--	--	--	--	--	--	--	170	870
	1	1-1/2 x 1-1/2	0.49	--	--	--	--	--	--	--	--	110	580
	1-1/2*	1-1/2 x 1-1/2	0.17	0.22	0.34	--	--	--	--	--	--	260	1300
	2	2 x 2	0.08	0.10	0.16	0.24	0.32	0.47	--	--	--	340	1700
46	1	1 x 4	0.48	--	--	--	--	--	--	--	140	720	
48	1	3/4 x 4	0.48	--	--	--	--	--	--	--	170	800	
	1-1/2*	1-1/2 x 1-1/2	0.28	0.37	--	--	--	--	--	--	200	1000	
	2	2 x 2	0.14	0.18	0.28	0.42	--	--	--	--	260	1300	
54	1-1/2*	1-1/2 x 1-1/2	0.42	--	--	--	--	--	--	--	150	790	
	2	2 x 2	0.21	0.27	0.42	--	--	--	--	--	200	1030	
60	2	2 x 2	0.37	0.47	--	--	--	--	--	--	160	830	

**NOTES:**

1. All gratings were tested in accordance with the ANSI Standard: FRP Composites Grating Manual for Pultruded and Molded Grating and Stair Treads.
2. Maximum Recommended Load represents a 5:1 factor of safety on Ultimate Capacity.
3. For covered grating use a multiplier of 0.5. This is limited to gratings of 1" - 2" depths. It is not recommended covering 3/4" or 1/2" gratings.
3. Max recommended and ultimate loads do not change as a result of adding a 1/8" deep covered plate.

# Load Tables - Fibergrate® Molded Gratings



Alternate thickness Fibergrate grating concentrated point load tables (1-1/4x1-1/2x1-1/2) can be found on our website - [www.fibergrate.com](http://www.fibergrate.com) - under *Products, Molded Grating, Fibergrate Molded Gratings* and click on *Additional Load Tables*.

\* Also represents load data for Micro-Mesh 1-1/2" deep x 3/4" square top mesh grating (4' x 12') panel.

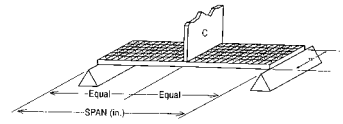
MOLDED GRATING CONCENTRATED POINT LOAD TABLES - Deflection in Inches									
CLEAR SPAN (in)	STYLE		LOAD (lb)						
	DEPTH (in)	MESH (in x in)	50	100	200	300	500	1000	2000
18	5/8	1 x 4	0.08	0.16	0.32	0.48	--	--	--
	1	1 x 4	<.01	0.01	0.02	0.03	0.06	0.11	0.22
	1	1-1/2 x 1-1/2	<.01	0.01	0.03	0.04	0.07	0.14	0.27
	1	2 x 2	0.04	0.08	0.16	0.24	0.40	--	--
	1-1/2*	1-1/2 x 1-1/2	<.01	<.01	0.01	0.02	0.03	0.06	0.13
	2	2 x 2	<.01	<.01	0.01	0.02	0.03	0.05	0.1
24	5/8	1 x 4	0.19	0.38	--	--	--	--	--
	1	1 x 4	0.01	0.02	0.05	0.07	0.12	0.24	0.49
	1	1-1/2 x 1-1/2	0.01	0.03	0.05	0.08	0.13	0.26	--
	1	2 x 2	0.1	0.19	0.38	--	--	--	--
	1-1/2*	1-1/2 x 1-1/2	<.01	0.01	0.02	0.03	0.06	0.12	0.23
	2	2 x 2	<.01	<.01	0.01	0.02	0.04	0.07	0.14
30	5/8	1 x 4	0.37	--	--	--	--	--	--
	1	1 x 4	0.02	0.05	0.09	0.14	0.23	0.45	--
	1	1-1/2 x 1-1/2	0.03	0.05	0.1	0.15	0.26	--	--
	1	2 x 2	0.19	0.37	--	--	--	--	--
	1-1/2*	1-1/2 x 1-1/2	0.01	0.02	0.04	0.06	0.1	0.2	--
	2	2 x 2	<.01	0.01	0.02	0.03	0.06	0.12	0.23
36	1	1 x 4	0.04	0.07	0.14	0.21	0.35	--	--
	1	1-1/2 x 1-1/2	0.03	0.07	0.14	0.2	0.34	--	--
	1	2 x 2	0.32	--	--	--	--	--	--
	1-1/2*	1-1/2 x 1-1/2	0.02	0.03	0.06	0.09	0.15	0.3	--
	2	2 x 2	<.01	0.01	0.03	0.04	0.07	0.15	0.29
42	1	1 x 4	0.05	0.11	0.21	0.32	--	--	--
	1	1-1/2 x 1-1/2	0.06	0.12	0.23	0.35	--	--	--
	1-1/2*	1-1/2 x 1-1/2	0.02	0.04	0.09	0.13	0.22	0.44	--
	2	2 x 2	0.01	0.02	0.05	0.08	0.12	0.25	0.5
46	1	1 x 4	0.07	0.13	0.26	0.39	--	--	--
	1	1-1/2 x 1-1/2	0.07	0.14	0.28	0.42	--	--	--
48	1-1/2*	1-1/2 x 1-1/2	0.03	0.06	0.12	0.18	0.29	--	--
	2	2 x 2	0.01	0.03	0.06	0.09	0.15	0.3	--
54	1-1/2*	1-1/2 x 1-1/2	0.04	0.07	0.15	0.22	0.37	--	--
58	1-1/2*	1-1/2 x 1-1/2	0.04	0.08	0.17	0.25	0.42	--	--

**NOTES:**

1. All gratings were tested in accordance with the ANSI Standard: FRP Composites Grating Manual for Pultruded and Molded Grating and Stair Treads.
2. For covered grating use a multiplier of 0.5. This is limited to gratings of 1" - 2" depths. It is not recommended covering 3/4" or 1/2" gratings.
3. Max recommended and ultimate loads do not change as a result of adding a 1/8" deep covered plate.

# Load Tables - Fibergrate® Molded Gratings

Concentrated line load tables for alternate thickness Fibergrate grating (3/4x1x4, 3/4x1-1/2x1-1/2, 1-1/4x1-1/2x1-1/2) and Micro-Mesh® 1/2" grating can be found on our website - [www.fibergrate.com](http://www.fibergrate.com) - under *Products, Molded Grating, Fibergrate Molded Gratings* and click on *Additional Load Tables*.



\* Also represents load data for Micro-Mesh 1-1/2" deep x 3/4" square top mesh grating (4' x 12') panel.

MOLDED GRATING CONCENTRATED LINE LOAD TABLES - DEFLECTION IN INCHES										MAX RECOM. LOAD (lbs/ft)	ULTIMATE CAPACITY (lbs/ft)
CLEAR SPAN (in)	STYLE		LOAD (lb/ft of width)								
	DEPTH (in)	MESH (in x in)	50	100	200	300	500	1000	2000		
12	5/8	1 x 4	0.02	0.04	0.09	0.13	--	--	--	770	3860
	1	3/4 x 3/4	<.01	<.01	0.02	0.03	0.05	0.1	0.2	880	4440
	1	3/4 x 4	<.01	<.01	0.01	0.02	0.03	0.07	0.13	1400	7020
	1	1 x 4	<.01	0.01	0.02	0.02	0.04	0.08	--	1070	5350
	1	1-1/2 x 1-1/2	<.01	0.01	0.03	0.04	0.06	0.13	--	710	3560
	1	2 x 2	0.02	0.03	0.06	0.09	--	--	--	510	2570
	1-1/2*	1-1/2 x 1-1/2	<.01	<.01	0.01	0.02	0.03	0.05	0.11	1600	8000
2	2 x 2	<.01	<.01	<.01	0.01	0.02	0.03	0.06	1920	9620	
18	5/8	1 x 4	0.06	0.12	0.23	0.35	--	--	--	510	2560
	1	3/4 x 3/4	0.01	0.03	0.06	0.09	0.15	0.29	--	590	2960
	1	3/4 x 4	0.01	0.02	0.04	0.06	0.11	0.21	0.43	930	4680
	1	1 x 4	0.01	0.02	0.05	0.07	0.12	0.23	--	710	3560
	1	1-1/2 x 1-1/2	0.02	0.04	0.08	0.12	0.2	0.41	--	470	2370
	1	2 x 2	0.04	0.08	0.16	--	--	--	--	340	1710
	1-1/2*	1-1/2 x 1-1/2	0.01	0.02	0.03	0.05	0.08	0.15	0.3	1060	5330
2	2 x 2	<.01	0.01	0.02	0.03	0.05	0.09	0.18	1390	6960	
24	5/8	1 x 4	0.12	0.24	0.48	--	--	--	--	380	1920
	1	3/4 x 3/4	0.03	0.07	0.13	0.2	0.33	--	--	440	2220
	1	3/4 x 4	0.02	0.05	0.10	0.15	0.24	0.48	--	700	3510
	1	1 x 4	0.03	0.06	0.12	0.18	0.3	--	--	530	2670
	1	1-1/2 x 1-1/2	0.05	0.1	0.2	0.3	0.49	--	--	350	1780
	1	2 x 2	0.09	0.17	--	--	--	--	--	250	1280
	1-1/2*	1-1/2 x 1-1/2	0.02	0.03	0.07	0.1	0.17	0.33	--	800	4000
2	2 x 2	0.01	0.02	0.03	0.05	0.08	0.16	--	1040	5220	
30	5/8	1 x 4	0.2	0.41	--	--	--	--	--	300	1530
	1	3/4 x 3/4	0.06	0.13	0.25	0.38	--	--	--	350	1770
	1	3/4 x 4	0.05	0.09	0.19	0.28	0.47	--	--	560	2800
	1	1 x 4	0.05	0.11	0.22	0.32	--	--	--	420	2140
	1	1-1/2 x 1-1/2	0.09	0.18	0.35	--	--	--	--	280	1420
	1	2 x 2	0.15	0.31	--	--	--	--	--	200	1020
	1-1/2*	1-1/2 x 1-1/2	0.03	0.06	0.12	0.18	0.29	--	--	640	3200
2	2 x 2	0.01	0.03	0.06	0.09	0.14	0.29	--	830	4180	
36	5/8	1 x 4	0.32	--	--	--	--	--	--	250	1270
	1	3/4 x 3/4	0.11	0.21	0.42	--	--	--	--	290	1480
	1	3/4 x 4	0.08	0.16	0.33	0.49	--	--	--	460	2340
	1	1 x 4	0.09	0.17	0.34	--	--	--	--	350	1780
	1	1-1/2 x 1-1/2	0.16	0.33	--	--	--	--	--	230	1180
	1	2 x 2	0.25	0.49	--	--	--	--	--	170	850
	1-1/2*	1-1/2 x 1-1/2	0.05	0.11	0.21	0.32	--	--	--	530	2660
2	2 x 2	0.02	0.05	0.09	0.14	0.23	0.47	--	690	3480	
42	1	3/4 x 3/4	0.17	0.34	--	--	--	--	--	250	1260
	1	3/4 x 4	0.13	0.26	--	--	--	--	--	400	2000
	1	1 x 4	0.15	0.3	--	--	--	--	--	300	1520
	1	1-1/2 x 1-1/2	0.26	0.45	--	--	--	--	--	200	1010
	1	2 x 2	0.38	--	--	--	--	--	--	140	730
	1-1/2*	1-1/2 x 1-1/2	0.08	0.16	0.32	0.47	--	--	--	450	2280
2	2 x 2	0.04	0.07	0.14	0.22	0.36	--	--	590	2980	
46	1	1 x 4	0.20	0.40	--	--	--	--	--	270	1390
	1	1-1/2 x 1-1/2	0.32	--	--	--	--	--	--	180	900
48	1	3/4 x 3/4	0.25	--	--	--	--	--	--	220	1110
	1	3/4 x 4	0.19	0.39	--	--	--	--	--	350	1750
	1-1/2*	1-1/2 x 1-1/2	0.11	0.23	0.45	--	--	--	--	400	2000
2	2 x 2	0.06	0.11	0.22	0.33	--	--	--	520	2610	
54	1-1/2*	1-1/2 x 1-1/2	0.15	0.3	--	--	--	--	--	350	1770
	2	2 x 2	0.07	0.15	0.3	0.45	--	--	--	460	2320
60	2	2 x 2	0.12	0.23	0.47	--	--	--	--	410	2090

**NOTES:**

1. All gratings were tested in accordance with the ANSI Standard: FRP Composites Grating Manual for Pultruded and Molded Grating and Stair Treads.
2. Maximum Recommended Load represents a 5:1 factor of safety on Ultimate Capacity.
3. Max recommended and ultimate loads do not change as a result of adding a 1/8" deep covered plate.
4. For covered grating use a multiplier of 0.5. This is limited to gratings of 1" - 2" depths. It is not recommended covering 3/4" or 1/2" gratings.