

2015



**ACCURATE  
SCREEN + GRATING**  
Products with holes, backed with solid service

**Molded Fibreglass  
Pultruded Fibreglass  
Fibreglass Treads &  
Product Knowledge**

**FIBREGLASS**



**GRATING**

# FIBREGLASS GRATING

## GENERAL PRODUCT INFORMATION

### Advantages

- Similar weight to strength ratio of aluminum bar grating but generally less expensive
- Our material has been approved and documented by the Federal Government as food safe
- Corrosion resistant to a variety of chemicals
- Vinylester stocked is highly corrosive resistant
- Non-conductive, UV Resistant and fire retardant
- Various colour choices to suit your application needs

### Types of Fibreglass Grating Available

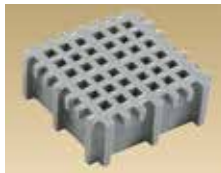
#### Molded

- Produced in a mold by laying alternating perpendicular rows and columns of glass strands and resin
- IFGR-30
- Isophthalic Polyester (iso resin)
- Desc: Food Grade Corrosion Resistance & Fire Retardant
- Corrosion Resistance: Very Good
- Flame Spread Rating ASTM E84: Class 1, 30 or less
- Bi-directional strength means the span can run in either perpendicular direction
- Grit and non-grit surfaces options
- Available in micro and mini mesh

Mini-Mesh



Micro-Mesh



Square-Mesh



Rectangular-Mesh



#### Pultruded

- Produced by pulling glass fibres from spools through a device that coats them with a resin. They are then typically heat-treated and cut to length.
- Isophthalic Polyester (iso resin)
- Desc: Food Grade Corrosion Resistance & Fire Retardant
- Corrosion Resistance: Very Good
- Flame Spread Rating ASTM E84: Class 1, 30 or less
- Produced in long 'bearing bars' and cut to length
- Similar structure to swaged bar grating although the 'cross rods' are 'glued' into place using the same resin which hold together the glass fibres
- Available in I and T profiles
- Grit and non-grit surfaces options

Pultruded - T Bar

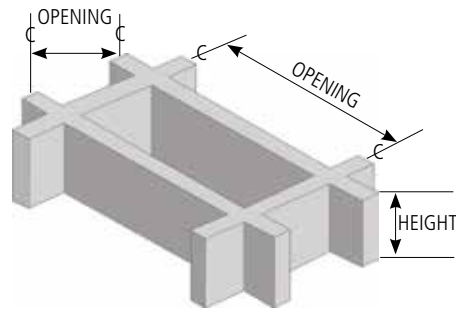
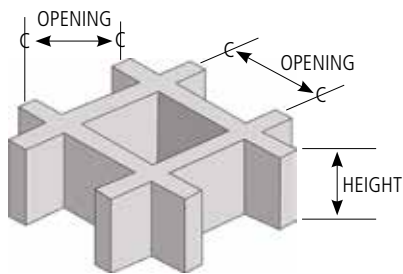
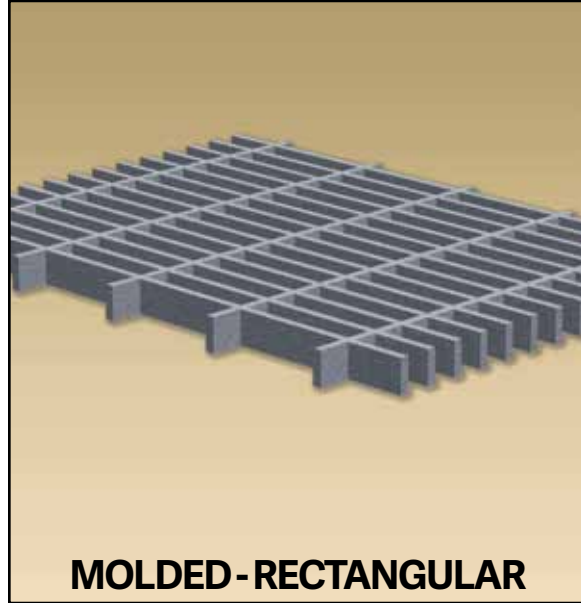
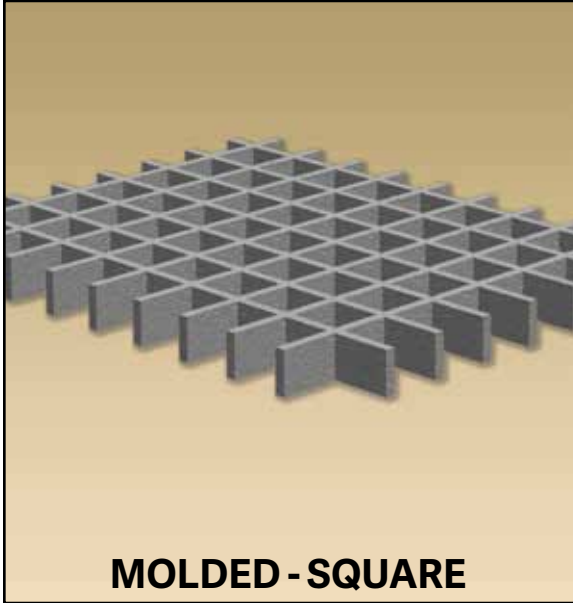


Pultruded - I Bar



# FIBREGLASS GRATING - MOLDED

## PROFILES AND SPECIFICATIONS



AVAILABLE PROFILES and SIZES (Refer to drawings above for explanation of dimensions)

PROFILE	HEIGHT	OPENING	OPENING	SURFACE
Square	1"	1.5"	1.5"	Smooth or Grit
Square	1.5"	1.5"	1.5"	Smooth or Grit
Square	2"	1.5"	1.5"	Smooth or Grit
Square	2"	2"	2"	Smooth or Grit
Rectangular	1"	1"	4"	Smooth or Grit
Rectangular	1.5"	1.5"	6"	Smooth or Grit

# FIBREGLASS GRATING - MOLDED

## IMPERIAL LOAD TABLES

DEFLECTION IN INCHES - MOLDED GRATING LOAD TABLES - UNIFORM / CONCENTRATED												
SPAN (INCHES)	GRATING TYPE		LOAD (LB/SF)								Max Recommended Load (Lb/SF)	Breaking Point (Lb/SF)
	HEIGHT (INCHES)	OPENING (INCHES)	50	100	150	200	300	500	1000	2000		
12	1	1.5 x 1.5	<.01 / <.01	<.01 / 0.01	<.01 / 0.02	<.01 / 0.03	0.02 / 0.04	0.04 / 0.06	0.08 / 0.13	0.16 / 0.20	1420 / 710	7120 / 3560
	1.5	1.5 x 1.5	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / 0.01	0.01 / 0.02	0.02 / 0.03	0.04 / 0.05	0.07 / 0.11	3200 / 1600	16000 / 8000
	2	1.5 x 1.5	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / 0.01	<.01 / 0.02	0.01 / 0.02	0.03 / 0.06		
	2	2 x 2	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / 0.01	0.01 / 0.02	0.02 / 0.03	0.04 / 0.06	3840 / 1920	19240 / 9620
	1	1 x 4	<.01 / <.01	<.01 / 0.01	<.01 / 0.01	0.01 / 0.02	0.02 / 0.02	0.03 / 0.04	0.03 / 0.08		1960 / 1070	9800 / 5350
	1.5	1.5 x 6	<.01 / <.01	<.01 / <.01	<.01 / 0.01	<.01 / 0.02	0.01 / 0.02	0.02 / 0.04			4272 / 2136	21360 / 10680
18	1	1.5 x 1.5	0.02 / 0.02	0.04 / 0.04	0.06 / 0.06	0.08 / 0.08	0.11 / 0.12	0.20 / 0.20	0.38 / 0.41		630 / 470	3170 / 2370
	1.5	1.5 x 1.5	<.01 / 0.01	0.01 / 0.02	0.02 / 0.02	0.03 / 0.03	0.04 / 0.05	0.07 / 0.08	0.14 / 0.15	0.28 / 0.30	1420 / 1060	7100 / 5330
	2	1.5 x 1.5	<.01 / 0.01	<.01 / 0.01	<.01 / 0.01	0.01 / 0.01	0.02 / 0.02	0.03 / 0.03	0.07 / 0.05	0.13 / 0.12		
	2	2 x 2	<.01 / <.01	0.01 / 0.01	0.01 / 0.01	0.02 / 0.02	0.03 / 0.03	0.04 / 0.05	0.09 / 0.09	0.17 / 0.18	1850 / 1390	9280 / 6960
	1	1 x 4	0.01 / 0.01	0.03 / 0.02	0.04 / 0.04	0.05 / 0.05	0.07 / 0.07	0.12 / 0.12	0.23 / 0.23		960 / 710	4800 / 3560
	1.5	1.5 x 6	<.01 / 0.01	0.02 / 0.02	0.03 / 0.04	0.04 / 0.06	0.05 / 0.10	0.09 / 0.15			1712 / 1284	8560 / 6420
24	1	1.5 x 1.5	0.06 / 0.05	0.12 / 0.30	0.19 / 0.15	0.25 / 0.20	0.37 / 0.30	0.43 / 0.36			350 / 350	1780 / 1780
	1.5	1.5 x 1.5	0.02 / 0.02	0.04 / 0.03	0.06 / 0.05	0.08 / 0.07	0.12 / 0.10	0.21 / 0.17	0.42 / 0.33		780 / 800	3900 / 4000
	2	1.5 x 1.5	<.01 / 0.01	0.01 / 0.01	0.02 / 0.02	0.03 / 0.02	0.05 / 0.03	0.08 / 0.06	0.16 / 0.12	0.22 / 0.20		
	2	2 x 2	0.01 / 0.01	0.02 / 0.02	0.03 / 0.02	0.04 / 0.03	0.06 / 0.05	0.10 / 0.08	0.20 / 0.16		1040 / 1040	5220 / 5220
	1	1 x 4	0.04 / 0.03	0.07 / 0.06	0.11 / 0.09	0.15 / 0.12	0.22 / 0.18	0.37 / 0.30			560 / 530	2800 / 2670
	1.5	1.5 x 6	0.02 / 0.03	0.04 / 0.06	0.06 / 0.09	0.08 / 0.12	0.11 / 0.18	0.19 / 0.30			956 / 530	4780 / 2670
30	1	1.5 x 1.5	0.14 / 0.09	0.27 / 0.18	0.41 / 0.28	0.30 / 0.35					220 / 280	1140 / 1420
	1.5	1.5 x 1.5	0.05 / 0.03	0.09 / 0.06	0.14 / 0.09	0.18 / 0.12	0.27 / 0.18	0.46 / 0.29			510 / 640	2560 / 3200
	2	1.5 x 1.5	<.01 / 0.01	0.02 / 0.02	0.05 / 0.03	0.07 / 0.04	0.11 / 0.06	0.18 / 0.10	0.26 / 0.26	0.45 / 0.45		
	2	2 x 2	0.02 / 0.01	0.05 / 0.03	0.07 / 0.05	0.09 / 0.06	0.14 / 0.09	0.26 / 0.14	0.45 / 0.29		660 / 830	3340 / 4180
	1	1 x 4	0.09 / 0.05	0.18 / 0.11	0.26 / 0.17	0.35 / 0.22	0.53 / 0.33				336 / 420	1680 / 2140
	1.5	1.5 x 6	0.04 / 0.03	0.08 / 0.05	0.12 / 0.08	0.16 / 0.10	0.23 / 0.15	0.39 / 0.25			587 / 734	2935 / 3670
36	1	1.5 x 1.5	0.31 / 0.16								150 / 230	790 / 1180
	1.5	1.5 x 1.5	0.10 / 0.05	0.20 / 0.11	0.30 / 0.16	0.40 / 0.21					350 / 530	1770 / 2660
	2	1.5 x 1.5	0.02 / 0.02	0.07 / 0.04	0.11 / 0.06	0.15 / 0.08	0.23 / 0.12					
	2	2 x 2	0.04 / 0.02	0.09 / 0.05	0.13 / 0.07	0.18 / 0.09	0.26 / 0.14				460 / 690	2320 / 3480
	1	1 x 4	0.18 / 0.09	0.35 / 0.17	0.53 / 0.26						240 / 350	1200 / 1780
	1.5	1.5 x 6	0.07 / 0.04	0.14 / 0.08	0.21 / 0.11	0.29 / 0.15	0.43 / 0.23				385 / 578	1925 / 2890
42	1	1.5 x 1.5	0.49 / 0.26								110 / 200	580 / 1010
	1.5	1.5 x 1.5	0.17 / 0.08	0.34 / 0.16							260 / 450	1300 / 2280
	2	1.5 x 1.5	0.06 / 0.02	0.13 / 0.06	0.21 / 0.09	0.29 / 0.12	0.44 / 0.20					
	2	2 x 2	0.08 / 0.04	0.16 / 0.07	0.24 / 0.10	0.32 / 0.14	0.47 / 0.22				340 / 590	1700 / 2980
	1	1 x 4	0.32 / 0.15	0.63 / 0.30							183 / 300	915 / 1520
	1.5	1.5 x 6	0.13 / 0.06	0.25 / 0.12	0.38 / 0.17	0.50 / 0.23					370 / 472	1850 / 2360
48	1.5	1.5 x 1.5	0.28 / 0.11	0.55 / 0.23							200 / 400	1000 / 2000
	1.5	1.5 x 6	0.21 / 0.08	0.41 / 0.16	0.62 / 0.25						184 / 368	920 / 1840
	2	1.5 x 1.5	0.10 / 0.04	0.18 / 0.08	0.32 / 0.12	0.46 / 0.15						
	2	2 x 2	0.14 / 0.06	0.28 / 0.11	0.42 / 0.17						260 / 520	1300 / 2610
54	1.5	1.5 x 1.5	0.42 / 0.15								150 / 350	970 / 1770
	2	1.5 x 1.5	0.14 / 0.02	0.30 / 0.04								
	2	2 x 2	0.21 / 0.07	0.42 / 0.15							200 / 460	1030 / 2320
60	2	1.5 x 1.5	0.26 / 0.10	0.44 / 0.20								
	2	2 x 2	0.37 / 0.12								160 / 410	830 / 2090

### TABLE OF SAFE LOADS - IMPERIAL

**U** - Safe Uniform Load, in lbs. per sq. ft.  
**C** - Safe Concentrated Load, in lbs. per foot of grating width.

### GENERAL

Loads and deflections are theoretical and based on static loading.

# FIBREGLASS GRATING - MOLDED

## METRIC LOAD TABLES

DEFLECTION IN MILLIMETERS - MOLDED GRATING LOAD TABLES - UNIFORM / CONCENTRATED												
SPAN (MM)	GRATING TYPE		LOAD (KPA)								Max Recommended Load (KPA)	Breaking Point (KPA)
	HEIGHT (MM)	OPENING (MM)	2.40	4.79	7.19	9.58	14.37	23.95	47.90	95.80		
305	25	38 X 38	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	1.02 / 1.02	1.52 / 1.52	3.30 / 3.30		34.0 / 34.0	170.5 / 170.5
	38	38 X 38	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	0.51 / 0.51	0.76 / 0.76	1.27 / 1.27	2.79 / 2.79	76.6 / 76.6	383.2 / 383.2
	51	38 X 38	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	0.49 / 0.49	1.52 / 1.52		
	51	51 X 51	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	0.76 / 0.76	1.52 / 1.52	92.0 / 92.0	460.8 / 460.8
	25	25 X 102	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	0.51 / 0.51	0.51 / 0.51	1.02 / 1.02			51.3 / 51.3	256.3 / 256.3
	38	38 X 152	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	0.56 / 0.56	0.94 / 0.94			102.3 / 102.3	511.6 / 511.6
457	25	38 X 38	0.51 / 0.51	1.02 / 1.02	1.52 / 1.52	2.03 / 2.03	3.05 / 3.05	5.08 / 5.08	10.41 / 10.41		22.5 / 22.5	113.5 / 113.5
	38	38 X 38	<0.3 / <0.3	0.51 / 0.51	0.51 / 0.51	0.76 / 0.76	1.27 / 1.27	2.03 / 2.03	3.81 / 3.81	7.62 / 7.62	50.8 / 50.8	255.3 / 255.3
	51	38 X 38	<0.3 / <0.3	<0.3 / <0.3	<0.3 / <0.3	0.29 / 0.29	0.53 / 0.53	0.81 / 0.81	1.39 / 1.39	3.05 / 3.05		
	51	51 X 51	<0.3 / <0.3	0.25 / 0.25	0.25 / 0.25	0.51 / 0.51	0.76 / 0.76	1.27 / 1.27	2.29 / 2.29	4.57 / 4.57	66.6 / 66.6	333.4 / 333.4
	25	25 X 102	0.25 / 0.25	0.51 / 0.51	1.02 / 1.02	1.27 / 1.27	1.78 / 1.78	3.05 / 3.05			34.0 / 34.0	170.5 / 170.5
	38	38 X 152	<0.3 / <0.3	0.48 / 0.48	0.71 / 0.71	0.97 / 0.97	1.45 / 1.45	2.41 / 2.41			61.5 / 61.5	307.5 / 307.5
610	25	38 X 38	1.27 / 1.27	2.54 / 2.54	3.81 / 3.81	5.08 / 5.08	7.62 / 7.62				16.8 / 16.8	85.3 / 85.3
	38	38 X 38	0.51 / 0.51	0.76 / 0.76	1.27 / 1.27	1.78 / 1.78	2.54 / 2.54	4.32 / 4.32	8.38 / 8.38		38.3 / 38.3	191.6 / 191.6
	51	38 X 38	<0.3 / <0.3	0.23 / 0.23	0.42 / 0.42	0.62 / 0.62	0.85 / 0.85	1.50 / 1.50	3.05 / 3.05			
	51	51 X 51	0.25 / 0.25	0.51 / 0.51	0.51 / 0.51	0.76 / 0.76	1.27 / 1.27	2.03 / 2.03	4.06 / 4.06		49.8 / 49.8	250.0 / 250.0
	25	25 X 102	0.76 / 0.76	1.52 / 1.52	2.29 / 2.29	3.05 / 3.05	4.57 / 4.57	7.62 / 7.62			25.4 / 25.4	127.9 / 127.9
	38	38 X 152	0.38 / 0.38	0.76 / 0.76	1.14 / 1.14	1.52 / 1.52	2.29 / 2.29	3.81 / 3.81			45.8 / 45.8	229.0 / 229.0
762	25	38 X 38	2.29 / 2.29	4.57 / 4.57	7.11 / 7.11						13.4 / 13.4	68.0 / 68.0
	38	38 X 38	0.76 / 0.76	1.52 / 1.52	2.29 / 2.29	3.05 / 3.05	4.57 / 4.57	7.37 / 7.37			30.7 / 30.7	153.3 / 153.3
	51	38 X 38	<0.3 / <0.3	0.51 / 0.51	0.73 / 0.73	1.05 / 1.05	1.52 / 1.52	2.54 / 2.54	6.60 / 6.60			
	51	51 X 51	0.25 / 0.25	0.76 / 0.76	1.27 / 1.27	1.52 / 1.52	2.29 / 2.29	3.56 / 3.56	7.37 / 7.37		39.8 / 39.8	200.2 / 200.2
	25	25 X 102	1.27 / 1.27	2.79 / 2.79	4.32 / 4.32	5.59 / 5.59	8.38 / 8.38				20.1 / 20.1	102.5 / 102.5
	38	38 X 152	0.64 / 0.64	1.27 / 1.27	1.91 / 1.91	2.54 / 2.54	3.81 / 3.81	6.35 / 6.35			35.2 / 35.2	175.8 / 175.8
914	25	38 X 38	4.06 / 4.06								11.0 / 11.0	56.5 / 56.5
	38	38 X 38	1.27 / 1.27	2.79 / 2.79	4.06 / 4.06	5.33 / 5.33					25.4 / 25.4	127.4 / 127.4
	51	38 X 38	0.40 / 0.40	0.93 / 0.93	1.52 / 1.52	2.03 / 2.03	3.05 / 3.05					
	51	51 X 51	0.51 / 0.51	1.27 / 1.27	1.78 / 1.78	2.29 / 2.29	3.56 / 3.26				33.1 / 33.1	166.7 / 166.7
	25	25 X 102	2.29 / 2.29	4.32 / 4.32	6.60 / 6.60						16.8 / 16.8	85.3 / 85.3
	38	38 X 152	0.97 / 0.97	1.93 / 1.93	2.90 / 2.90	3.86 / 3.86	5.79 / 5.79				27.7 / 27.7	138.4 / 138.4
1067	25	38 X 38	6.60 / 6.60								9.6 / 9.6	48.4 / 48.4
	38	38 X 38	2.03 / 2.03	4.06 / 4.06							21.6 / 21.6	109.2 / 109.2
	51	38 X 38	0.63 / 0.63	1.44 / 1.44	2.29 / 2.29	3.05 / 3.05	5.08 / 5.08					
	51	51 X 51	1.02 / 1.02	1.78 / 1.78	2.54 / 2.54	3.56 / 3.56	5.59 / 5.59				28.3 / 28.3	142.7 / 142.7
	25	25 X 102	3.81 / 3.81	7.62 / 7.62							14.4 / 14.4	72.8 / 72.8
	38	38 X 152	1.47 / 1.47	2.92 / 2.92	4.39 / 4.39	5.84 / 5.84					22.6 / 22.6	113.0 / 113.0
1219	38	38 X 38	2.79 / 2.79	5.84 / 5.84							19.2 / 19.2	95.8 / 95.8
	38	38 X 152	2.11 / 2.11	4.06 / 4.06	6.30 / 6.30						17.6 / 17.6	88.1 / 88.1
	51	38 X 38	0.95 / 0.95	1.99 / 1.99	3.02 / 3.02	3.89 / 3.89						
	51	51 X 51	1.52 / 1.52	2.79 / 2.79	4.32 / 4.32						24.9 / 24.9	125.0 / 125.0
1372	38	38 X 38	3.81 / 3.81								16.8 / 16.8	84.8 / 84.8
	51	38 X 38	0.52 / 0.52	0.95 / 0.95								
	51	51 X 51	1.78 / 1.78	3.81 / 3.81							22.0 / 22.0	111.1 / 111.1
1524	51	38 X 38	2.54 / 2.54	5.08 / 5.08								
	51	51 X 51	3.05 / 3.05								19.6 / 19.6	100.1 / 100.1

### TABLE OF SAFE LOADS - METRIC

U - Safe Uniform Load, in KPA

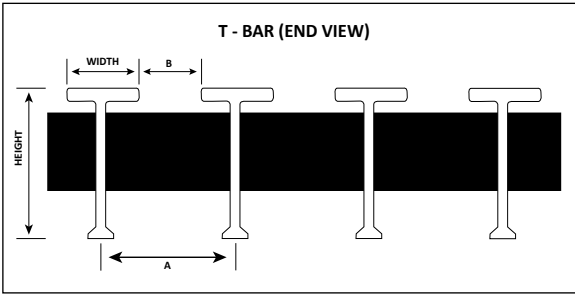
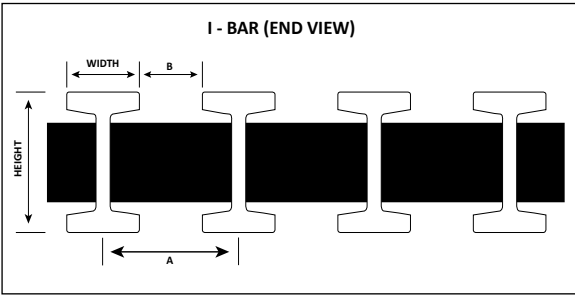
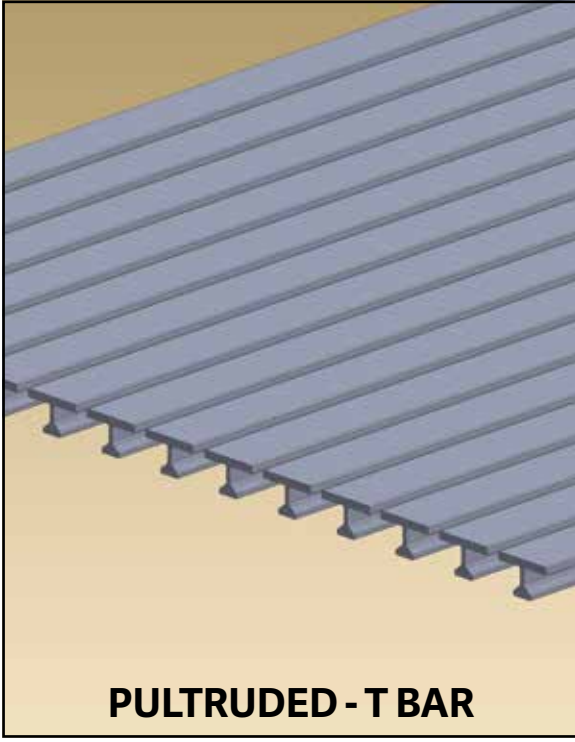
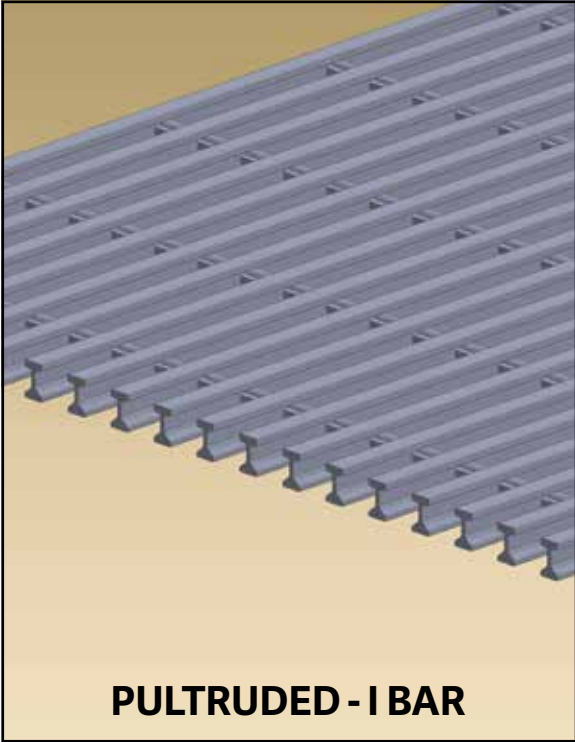
C - Safe Concentrated Load, in KPA

### GENERAL

Loads and deflections are theoretical and based on static loading.

# FIBREGLASS GRATING - PULTRUDED

## PROFILES AND SPECIFICATIONS



**AVAILABLE PROFILES and SIZES (Refer to drawings above for explanation of dimensions)**

PROFILE	HEIGHT	WIDTH	Dimension A	Dimension B	SURFACE
I-BAR	1"	.60"	1.5"	.90"	Smooth or Grit
I-BAR	1"	2"	1.5"	.90"	Smooth or Grit
T-BAR	1"	1"	2"	1"	Smooth or Grit

# FIBREGLASS GRATING - PULTRUDED

## IMPERIAL LOAD TABLES

DEFLECTION IN INCHES - <b>I-BAR</b> PULTRUDED GRATING LOAD TABLES - UNIFORM / CONCENTRATED													
SPAN (INCHES)	BEARING BAR DIMENSIONS		SEE END VIEW DRAWING FOR A & B DESCRIPTION		LOAD (LB/SF)								Max Recommended Load (Lb/SF)
	HEIGHT (INCHES)	WIDTH (INCHES)	A	B	100	200	300	400	500	750	1000	2000	
12	1"	.60"	1.5"	.90"	.002 / .003	.004 / .006	.005 / .009	.007 / .012	.009 / .015	.014 / .022	.018 / .029	.036 / .058	10401 / 5200
	1.5"	.60"	1.5"	.90"	.001 / .001	.001 / .002	.002 / .003	.003 / .004	.003 / .005	.005 / .008	.006 / .010	.013 / .020	17601 / 8800
18	1"	.60"	1.5"	.90"	.008 / .009	.017 / .018	.025 / .027	.033 / .036	.042 / .045	.063 / .067	.084 / .089	.167 / .179	4954 / 3716
	1.5"	.60"	1.5"	.90"	.003 / .003	.006 / .006	.009 / .010	.012 / .013	.015 / .016	.023 / .024	.030 / .032	.061 / .065	7823 / 5867
24	1"	.60"	1.5"	.90"	.025 / .020	.050 / .040	.075 / .060	.100 / .080	.124 / .100	.187 / .149	.249 / .199	.498 / .398	2900 / 2900
	1.5"	.60"	1.5"	.90"	.009 / .007	.018 / .015	.027 / .022	.037 / .029	.046 / .037	.069 / .055	.091 / .073	.183 / .146	4400 / 4400
30	1"	.60"	1.5"	.90"	.058 / .037	.116 / .074	.174 / .111	.231 / .148	.289 / .185	.434 / .278	.579 / .370		1856 / 2320
	1.5"	.60"	1.5"	.90"	.022 / .014	.043 / .028	.065 / .041	.086 / .055	.108 / .069	.161 / .103	.215 / .138	.430 / .276	2773 / 3467
36	1"	.60"	1.5"	.90"	.115 / .061	.230 / .123	.345 / .184	.460 / .245	.575 / .307				1289 / 1233
	1.5"	.60"	1.5"	.90"	.044 / .023	.087 / .047	.131 / .070	.175 / .093	.218 / .116	.327 / .175	.436 / .233		1896 / 2845
42	1"	.60"	1.5"	.90"	.211 / .096	.422 / .193	.633 / .289						943 / 1649
	1.5"	.60"	1.5"	.90"	.079 / .036	.159 / .072	.238 / .109	.317 / .145	.396 / .181	.595 / .272			1361 / 2381
48	1"	.60"	1.5"	.90"	.353 / .141	.705 / .282							719 / 1437
	1.5"	.60"	1.5"	.90"	.133 / .053	.266 / .107	.400 / .160	.533 / .213	.666 / .266				1017 / 2033
54	1"	.60"	1.5"	.90"	.563 / .200								566 / 1274
	1.5"	.60"	1.5"	.90"	.211 / .075	.422 / .150	.633 / .225						777 / 1748

**Longer Spans Available**

DEFLECTION IN INCHES - <b>T-BAR</b> PULTRUDED GRATING LOAD TABLES - UNIFORM / CONCENTRATED													
SPAN (INCHES)	BEARING BAR DIMENSIONS		SEE END VIEW DRAWING FOR A & B DESCRIPTION		LOAD (LB/SF)								Max Recommended Load (Lb/SF)
	HEIGHT (INCHES)	WIDTH (INCHES)	A	B	100	200	300	400	500	750	1000	2000	
12	1"	1"	2"	1"	.002 / .004	.004 / .007	.007 / .011	.009 / .014	.011 / .018	.017 / .027	.022 / .036	.045 / .072	10680 / 5340
18	1"	1"	2"	1"	.010 / .011	.021 / .022	.031 / .033	.041 / .044	.052 / .055	.078 / .083	.104 / .111	.207 / .221	4746 / 3560
24	1"	1"	2"	1"	.031 / .025	.062 / .050	.093 / .074	.124 / .099	.156 / .124	.232 / .186	.310 / .248	.619 / .495	2670 / 2670
30	1"	1"	2"	1"	.072 / .046	.144 / .092	.215 / .138	.287 / .184	.359 / .230	.539 / .345	.718 / .460		1693 / 2116
36	1"	1"	2"	1"	.145 / .077	.289 / .154	.434 / .231	.578 / .308	.723 / .385				1157 / 1736
42	1"	1"	2"	1"	.257 / .118	.514 / .235							833 / 1458
48	1"	1"	2"	1"	.431 / .172								625 / 1250

**Longer Spans Available**

### TABLE OF SAFE LOADS - IMPERIAL

**U** - Safe Uniform Load, in lbs. per sq. ft.  
**C** - Safe Concentrated Load, in lbs. per foot of grating width.

### GENERAL

Loads and deflections are theoretical and based on static loading.

# FIBREGLASS GRATING - PULTRUDED

## METRIC LOAD TABLES

DEFLECTION IN MILLIMETER - I-BAR PULTRUDED GRATING LOAD TABLES - UNIFORM / CONCENTRATED													
SPAN (MM)	BEARING BAR DIMENSIONS		SEE END VIEW DRAWING FOR A & B DESCRIPTION		LOAD (KPA)								Max Recommended Load (KPA)
	HEIGHT (MM)	WIDTH (MM)	A	B	2.40	4.79	7.19	9.58	14.37	23.95	47.90	95.80	
305	25	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	498 / 249
	38	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	843 / 421
457	25	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	237 / 178
	38	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	375 / 281
610	25	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	.01 / <.01	.02 / .02	139 / 139
	38	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	211 / 211
762	25	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	.01 / <.01	.01 / <.01	.02 / <.01	.03 / .02		89 / 111
	38	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	.01 / <.01	.02 / .01	133 / 166
914	25	15	38	23	<.01 / <.01	.01 / <.01	.02 / <.01	.02 / .01	.03 / .02				62 / 59
	38	15	38	23	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	.01 / <.01	.02 / <.01	.02 / .01		91 / 136
1067	25	15	38	23	.01 / <.01	.02 / <.01	.03 / .01						45 / 79
	38	15	38	23	<.01 / <.01	<.01 / <.01	.01 / <.01	.02 / <.01	.02 / <.01	.03 / .01			65 / 114
1219	25	15	38	23	.02 / <.01	.03 / .01							34 / 69
	38	15	38	23	<.01 / <.01	.01 / <.01	.02 / <.01	.03 / .01	.03 / .01				49 / 97
1372	25	15	38	23	.03 / .01								27 / 61
	38	15	38	23	.01 / <.01	.02 / <.01	.03 / .01						37 / 84

Longer Spans Available

DEFLECTION IN MILLIMETER - T-BAR PULTRUDED GRATING LOAD TABLES - UNIFORM / CONCENTRATED													
SPAN (MM)	BEARING BAR DIMENSIONS		SEE END VIEW DRAWING FOR A & B DESCRIPTION		LOAD (KPA)								Max Recommended Load (KPA)
	HEIGHT (MM)	WIDTH (MM)	A	B	2.40	4.79	7.19	9.58	14.37	23.95	47.90	95.80	
305	25	25	51	25	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	511 / 256
457	25	25	51	25	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	227 / 170
610	25	25	51	25	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	<.01 / <.01	.01 / <.01	.01 / .01	.03 / .02	128 / 128
762	25	25	51	25	<.01 / <.01	<.01 / <.01	.01 / <.01	.01 / <.01	.02 / .01	.03 / .02	.03 / .02		81 / 101
914	25	25	51	25	<.01 / <.01	.01 / <.01	.02 / .01	.03 / .01	.03 / .02				55 / 83
1067	25	25	51	25	.01 / <.01	.02 / .01							40 / 70
1219	25	25	51	25	.02 / .01								30 / 60

Longer Spans Available

### TABLE OF SAFE LOADS - METRIC

U - Safe Uniform Load, in KPA

C - Safe Concentrated Load, in KPA

### GENERAL

Loads and deflections are theoretical and based on static loading.







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