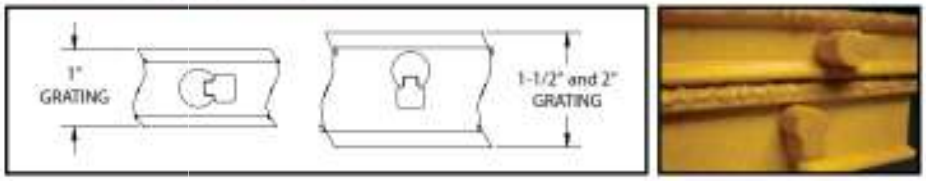
Pultruded Industrial Grating

Captrad's GRP Pultruded Grating combines corrosion resistance, long life and a low maintenance design compared to conventional metallic gratings. This advanced grating is manufactured with a recessed tie bar configuration and is lightweight and easy to fabricate. Savings on labour and equipment often makes the total installed cost of grp grating comparable to that of steel. This advanced pultruded grating is designed for use in a wide range of industrial applications that require strength and corrosion resistance. Manufactured with a high percentage of glass within the laminate, pultruded grating provides durability, extremely high unidirectional strength and stiffness. Due to its exceptional stiffness, it can be used with confidence where wide support spans are required. For most applications where it is used to replace steel grating, **GRP Pultruded Grating** rarely requires additional supports, thus making it an excellent choice

6" Tie Bar Spacing Standard										
Series	Panel Depth	Load Bar Spacing	Stocked Sizes		Load Bars/Ft.	Wt/ Sq. Ft.	Open Area	Resin/Color		
			Width	Length				ISOFR	VEFR	PHENOLIC*
I6010	1"	1-1/2"	3', 4'	10', 12', 20', 24'	8	2.4 lbs	60%	Yellow	Dk Gray	—
I5010	1"	1.2"	3', 4'	10', 12', 20', 24'	10	3.3 lbs	50%	Yellow	Dk Gray	—
I4010 ♿	1"	1"	3', 4'	10', 12', 20', 24'	12	3.4 lbs	40%	Yellow	Dk Gray	—
I6015	1-1/2"	1-1/2"	3', 4'	10', 12', 20', 24'	8	2.8 lbs	60%	Yellow	Dk Gray	Brown
I5015	1-1/2"	1.2"	3', 4'	10', 12', 20', 24'	10	3.5 lbs	50%	Yellow	Dk Gray	—
I4015 ♿	1-1/2"	1"	3', 4'	10', 12', 20', 24'	12	4.1 lbs	40%	Yellow	Dk Gray	Brown
T5020	2"	2"	3', 4'	10', 12', 20', 24'	6	3.1 lbs	50%	Yellow	Dk Gray	—
T3320 ♿	2"	1-1/2"	3', 4'	10', 12', 20', 24'	8	4.0 lbs	33%	Yellow	Dk Gray	—

**Phenolic Grating also available with UV coating - Awning Red color*

Tie Bar Representation



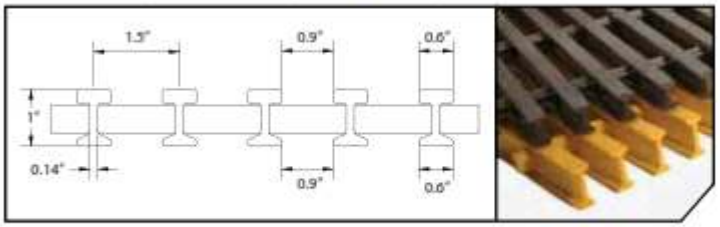
Tel: +44 (0)1695 680010 | sales@captrad.com
www.captrad.com

Pultruded Industrial Grating

Grating Details

1" Deep I6010

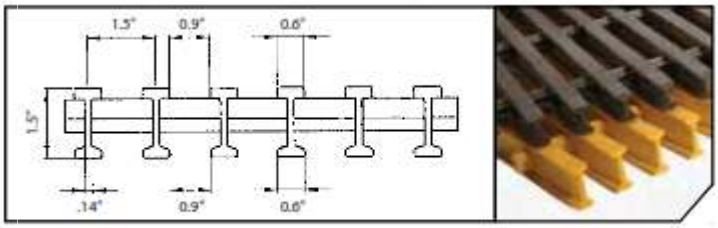
# of Bars/ Ft of Width	Load Bar Depth	Open Area	Load Bar Centers	Approximate Weight
8	1"	60%	1 1/2"	2.62 psf



Section Properties per Ft of Width: A = 2.64 IN² I = 0.33 IN⁴ S = 0.63 IN³
Average EI = 1,700,000 lb - in² (SPAN ≥ 24")

1-1/2" Deep I6015

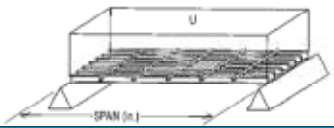
# of Bars/ Ft of Width	Load Bar Depth	Open Area	Load Bar Centers	Approximate Weight
8	1 1/2"	60%	1 1/2"	2.83 psf



Section Properties per Ft of Width: A = 3.2 IN² I = 0.94 IN⁴ S = 1.2 IN³
Average EI = 4,600,000 lb - in² (SPAN ≥ 24")

Tel: +44 (0)1695 680010 | sales@captrad.com
www.captrad.com

Industrial Series Uniform Load Chart

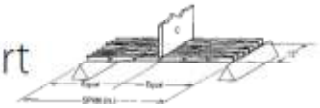


INDUSTRIAL SERIES SAFE-T-SPAN UNIFORM LOAD TABLE - DEFLECTIONS IN INCHES

CLEAR SPAN (in)	STYLE	LOAD (psf) 50	100	200	300	500	1000	2000	MAXIMUM RECOMMENDED LOAD (psf)	ULTIMATE CAPACITY (psf)
12	I6010	<.01	<.01	<.01	<.01	0.01	0.02	0.04	3570	7140
	I6015	<.01	<.01	<.01	<.01	<.01	0.01	0.02	7620	15240
	I5010	<.01	<.01	<.01	<.01	<.01	0.01	0.03	4460	8920
	I5015	<.01	<.01	<.01	<.01	<.01	<.01	0.01	9520	19050
	T5020	<.01	<.01	<.01	<.01	<.01	<.01	0.01	7560	15120
	I4010	<.01	<.01	<.01	<.01	<.01	0.01	0.02	5350	10700
	I4015	<.01	<.01	<.01	<.01	<.01	<.01	0.01	11430	22860
	T3320	<.01	<.01	<.01	<.01	<.01	<.01	0.01	10080	20160
18	I6010	<.01	0.01	0.02	0.02	0.04	0.08	0.16	2250	4520
	I6015	<.01	<.01	<.01	0.01	0.02	0.03	0.06	4910	9820
	I5010	<.01	<.01	0.01	0.01	0.03	0.06	0.12	2820	5650
	I5015	<.01	<.01	<.01	<.01	0.01	0.02	0.04	6130	12270
	T5020	<.01	<.01	<.01	<.01	0.01	0.02	0.05	5040	10080
	I4010	<.01	<.01	0.01	0.02	0.03	0.05	0.11	3390	6780
	I4015	<.01	<.01	<.01	<.01	0.01	0.02	0.04	7370	14740
	T3320	<.01	<.01	<.01	<.01	0.01	0.02	0.04	6720	13440
24	I6010	0.01	0.02	0.05	0.07	0.12	0.24	—	1690	3380
	I6015	<.01	0.01	0.02	0.03	0.04	0.09	0.17	3190	6380
	I5010	<.01	0.01	0.04	0.05	0.09	0.19	—	2110	4220
	I5015	<.01	<.01	0.01	0.02	0.03	0.07	0.13	3980	7970
	T5020	<.01	<.01	<.01	0.02	0.03	0.05	0.11	2970	5940
	I4010	0.01	0.02	0.03	0.05	0.08	0.16	0.31	2540	5080
	I4015	<.01	<.01	0.01	0.02	0.03	0.06	0.11	4790	9580
	T3320	<.01	<.01	<.01	0.01	0.02	0.04	0.08	3960	7920
30	I6010	0.03	0.05	0.11	0.16	0.27	—	—	1370	2740
	I6015	0.01	0.02	0.04	0.06	0.10	0.20	0.41	2950	5900
	I5010	0.02	0.04	0.08	0.12	0.21	0.44	—	1710	3420
	I5015	<.01	0.01	0.03	0.04	0.08	0.16	0.32	3680	7370
	T5020	<.01	0.01	0.02	0.03	0.06	0.13	0.25	2590	5180
	I4010	0.02	0.04	0.07	0.11	0.18	0.36	—	2060	4120
	I4015	<.01	0.01	0.03	0.04	0.07	0.14	0.27	4420	8840
	T3320	<.01	0.01	0.02	0.03	0.05	0.09	0.19	3460	6920
36	I6010	0.05	0.10	0.21	0.31	—	—	—	1180	2360
	I6015	0.02	0.04	0.08	0.11	0.19	0.38	—	2460	4920
	I5010	0.04	0.08	0.16	0.24	—	—	—	1470	2950
	I5015	0.01	0.03	0.06	0.08	0.15	0.30	—	3070	6150
	T5020	0.01	0.02	0.05	0.07	0.12	0.23	0.47	2160	4320
	I4010	0.03	0.07	0.14	0.21	0.35	—	—	1760	3520
	I4015	0.01	0.03	0.05	0.08	0.13	0.25	0.50	3690	7380
	T3320	0.01	0.02	0.04	0.05	0.09	0.18	0.35	2880	5760
42	I6010	0.09	0.19	0.37	—	—	—	—	950	1900
	I6015	0.04	0.07	0.14	0.21	0.35	—	—	1840	3680
	I5010	0.07	0.15	0.29	0.44		—	—	1180	2370
	I5015	0.03	0.05	0.11	0.16	0.28	—	—	2300	4600
	T5020	0.02	0.05	0.09	0.14	0.23	0.45	—	1850	3700
	I4010	0.06	0.12	0.25	0.37	—	—	—	1430	2860
	I4015	0.02	0.05	0.09	0.14	0.23	0.47	—	2760	5520
	T3320	0.02	0.03	0.07	0.10	0.17	0.34	—	2470	4940
48	I6010	0.14	0.29	—	—	—	—	—	720	1440
	I5015	0.05	0.11	0.23	0.34	—	—	—	1410	2820
	I5010	0.11	0.23	0.45	—	—	—	—	900	1800
	I5015	0.04	0.08	0.18	0.27	0.45	—	—	1760	3520
	T5020	0.04	0.07	0.14	0.21	0.36	—	—	1620	3240
	I4010	0.10	0.19	0.38	—	—	—	—	1080	2160
	I4015	0.04	0.08	0.15	0.23	0.38	—	—	2110	4220
	T3320	0.03	0.05	0.11	0.16	0.27	—	—	2160	4320
54	I6010	0.25	—	—	—	—	—	—	570	1140
	I6015	0.10	0.19	0.39	—	—	—	—	1110	2220
	I5010	0.20	0.40	—	—	—	—	—	710	1420
	I5015	0.08	0.15	0.31	0.46	—	—	—	1380	2770
	T5020	0.06	0.12	0.24	0.36	—	—	—	1280	2560
	I4010	0.17	0.34	—	—	—	—	—	850	1700
	I4015	0.06	0.13	0.26	0.39	—	—	—	1670	3340
	T3320	0.04	0.09	0.18	0.27	0.45	—	—	1680	3360
60	I6010	0.42	—	—	—	—	—	—	460	920
	I6015	0.15	0.31	—	—	—	—	—	900	1800
	I5010	0.33	—	—	—	—	—	—	570	1150
	I5015	0.12	0.24	0.49	—	—	—	—	1130	2250
	T5020	0.09	0.18	0.36	—	—	—	—	1040	2080
	I4010	0.28	—	—	—	—	—	—	690	1380
	I4015	0.10	0.21	0.41	—	—	—	—	1350	2700
	T3320	0.07	0.14	0.27	0.41	—	—	—	1360	2720
72	I6015	0.34	—	—	—	—	—	—	630	1260
	I5015	0.27	—	—	—	—	—	—	780	1570
	T5020	0.18	0.35	—	—	—	—	—	720	1440
	I4015	0.23	0.45	—	—	—	—	—	940	1880
	T3320	0.13	0.26	—	—	—	—	—	950	1900

Tel: +44 (0)1695 680010 | sales@captrad.com
www.captrad.com

Industrial Series Concentrated Line Load Chart



INDUSTRIAL SERIES SAFE-T-SPAN CONCENTRATED LINE LOAD TABLE - DEFLECTIONS IN INCHES

CLEAR SPAN (in)	STYLE	LOAD (LBS/FT of Width)							MAXIMUM RECOM. LOAD (lbs/ft)	ULTIMATE CAPACITY (lbs/ft)
		50	100	200	300	500	1000	2000		
12	I6010	<.01	<.01	<.01	<.01	<.01	0.03	0.06	3570	7140
	I6015	<.01	<.01	<.01	<.01	<.01	0.01	0.02	7620	15240
	I5010	<.01	<.01	<.01	<.01	0.01	0.02	0.05	4460	8920
	I5015	<.01	<.01	<.01	<.01	<.01	0.01	0.02	9520	19050
	T5020	<.01	<.01	<.01	<.01	<.01	0.01	0.02	7560	15120
	I4010	<.01	<.01	<.01	<.01	0.01	0.02	0.04	5350	10700
	I4015	<.01	<.01	<.01	<.01	<.01	0.01	0.02	11430	22860
	T3320	<.01	<.01	<.01	<.01	<.01	<.01	0.01	10080	20160
18	I6010	<.01	0.01	0.02	0.03	0.04	0.09	0.17	3390	6780
	I6015	<.01	<.01	<.01	0.01	0.02	0.03	0.06	7370	14740
	I5010	<.01	0.01	0.02	0.02	0.03	0.07	0.14	4230	8470
	I5015	<.01	<.01	<.01	0.01	0.02	0.02	0.05	9210	18420
	T5020	<.01	<.01	<.01	<.01	0.01	0.03	0.05	7560	15120
	I4010	<.01	<.01	0.01	0.02	0.03	0.06	0.12	5080	10160
	I4015	<.01	<.01	<.01	<.01	0.01	0.02	0.04	11060	22120
	T3320	<.01	<.01	<.01	<.01	0.01	0.02	0.04	10080	20160
24	I6010	0.01	0.02	0.04	0.06	0.09	0.19	0.38	2640	5680
	I6015	<.01	<.01	0.01	0.02	0.03	0.07	0.14	4880	9760
	I5010	0.01	0.02	0.03	0.05	0.07	0.15	0.30	3550	7100
	I5015	<.01	<.01	0.01	0.02	0.02	0.06	0.11	6100	12200
	T5020	<.01	<.01	<.01	0.01	0.02	0.04	0.08	5940	11880
	I4010	<.01	0.01	0.03	0.04	0.06	0.13	0.26	4260	8520
	I4015	<.01	<.01	<.01	0.01	0.02	0.05	0.10	7310	14620
	T3320	<.01	<.01	<.01	0.01	0.02	0.03	0.06	7920	15840
30	I6010	0.02	0.03	0.07	0.10	0.17	0.35	—	2300	4600
	I6015	<.01	0.01	0.03	0.04	0.06	0.13	0.26	4500	9000
	I5010	0.02	0.02	0.06	0.08	0.14	0.28	—	2870	5750
	I5015	<.01	0.01	0.02	0.03	0.05	0.10	0.21	5620	11250
	T5020	<.01	<.01	0.01	0.02	0.04	0.08	0.16	5200	10400
	I4010	0.01	0.02	0.05	0.07	0.12	0.23	0.47	3450	6900
	I4015	<.01	0.01	0.02	0.03	0.05	0.11	0.22	6750	13500
	T3320	<.01	<.01	0.01	0.02	0.03	0.06	0.12	6930	13860
36	I6010	0.03	0.06	0.11	0.17	0.28	—	—	1970	3940
	I6015	0.01	0.02	0.04	0.06	0.10	0.20	0.40	3750	7500
	I5010	0.02	0.05	0.09	0.14	0.22	0.44	—	2460	4920
	I5015	0.01	0.02	0.03	0.05	0.08	0.16	0.32	4680	9370
	T5020	<.01	0.01	0.02	0.04	0.06	0.12	0.25	4320	8640
	I4010	0.02	0.04	0.07	0.11	0.18	0.37	—	2950	5900
	I4015	<.01	0.01	0.03	0.04	0.07	0.13	0.26	2630	11260
	T3320	<.01	0.01	0.02	0.03	0.05	0.09	0.19	5760	11520
42	I6010	0.04	0.08	0.17	0.25	0.42	—	—	1670	3340
	I6015	0.02	0.03	0.06	0.10	0.16	0.32	—	3220	6440
	I5010	0.03	0.06	0.14	0.20	0.34	—	—	2080	4170
	I5015	0.02	0.02	0.05	0.08	0.13	0.26		4020	8050
	T5020	0.01	0.02	0.04	0.06	0.10	0.21	0.41	3710	7420
	I4010	0.03	0.06	0.11	0.17	0.28	—	—	2500	5000
	I4015	0.01	0.02	0.04	0.06	0.11	0.21	0.42	4620	9640
	T3320	0.01	0.02	0.03	0.05	0.08	0.16	0.31	4950	9900
48	I6010	0.06	0.11	0.23	0.34	—	—	—	1440	2880
	I6015	0.02	0.05	0.09	0.14	0.23	0.46	—	2810	5620
	I5010	0.05	0.09	0.18	0.27	0.46	—	—	1800	3600
	I5015	0.02	0.04	0.07	0.11	0.18	0.37	—	3510	7020
	T5020	0.01	0.03	0.06	0.09	0.15	0.29	—	3250	6500
	I4010	0.04	0.08	0.15	0.23	0.38		—	2160	4320
	I4015	0.02	0.03	0.06	0.09	0.15	0.30	—	4220	8440
	T3320	0.01	0.02	0.04	0.07	0.11	0.22	0.44	4320	8660
54	I6010	0.09	0.18	0.36	—	—	—	—	1280	2560
	I6015	0.03	0.07	0.14	0.21	0.35	—	—	2500	5000
	I5010	0.07	0.14	0.29	0.43	—	—	—	1600	3200
	I5015	0.02	0.06	0.11	0.17	0.28	—	—	3120	6250
	T5020	0.02	0.04	0.08	0.13	0.21	0.42	—	2890	5780
	I4010	0.06	0.12	0.24	0.36	—	—	—	1920	3840
	I4015	0.03	0.06	0.09	0.14	0.23	0.46	—	3750	7500
	T3320	0.02	0.03	0.05	0.10	0.16	0.32	—	3780	7560
60	I6010	0.13	0.27	—	—	—	—	—	1150	2300
	I6015	0.05	0.10	0.20	0.30	0.49	—	—	2250	4500
	I5010	0.10	0.22	0.43	—	—	—	—	1430	2870
	I5015	0.04	0.08	0.16	0.24	0.39	—	—	2810	5620
	T5020	0.03	0.06	0.12	0.17	0.29	—	—	2600	5200
	I4010	0.09	0.18	0.36	—	—	—	—	1730	3460
	I4015	0.04	0.07	0.13	0.20	0.33	—	—	3380	6760
	T3320	0.02	0.04	0.09	0.13	0.22	0.44	—	3400	6800
72	I6010	0.26	—	—	—	—	—	—	960	1920
	I6015	0.09	0.18	0.36	—	—	—	—	1880	3760
	I5010	0.21	0.41	—	—	—	—	—	1200	2400
	I5015	0.07	0.14	0.29	0.43	—	—	—	2350	4700
	T5020	0.05	0.09	0.19	0.28	0.47	—	—	2170	4340
	I4010	0.17	0.34	—	—	—	—	—	1440	2880
	I4015	0.06	0.12	0.24	0.36	—	—	—	2810	5620
	T3320	0.04	0.07	0.14	0.21	0.35	—	—	2830	5660

Tel: +44 (0)1695 680010 | sales@captrad.com
www.captrad.com