



**Load Table of "I" Type Steel Gratings with Bearing Bar Centres 40mm**

Grating Type	Bearing Bar size (mm)	Approx Weight (kg/m <sup>2</sup> )	Deflection	Span (mm)														
				200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
G755/40/50WI	75X7 (4) X12	101	U	4845	1211	538	302	193	134	98	75	59	48	40	33	28	24	
			D	0.09	0.37	0.83	1.47	2.29	3.31	4.49	5.89	7.44	9.27	11.4	13.3	15.7	18.2	
G755/40/100WI	75X7 (4) X12	95.8	C	484	242	161	121	96	80	69	60	53	48	44	40	37	34	
			D	0.07	0.29	0.66	1.18	1.83	2.64	3.63	4.72	5.97	7.45	9.13	10.9	12.8	14.8	
G657/40/50WI	65X7 (4) X10	88.5	U	3645	911	405	227	145	101	74	56	45	36	30	25	21	18	
			D	0.11	0.42	0.95	1.69	2.64	3.63	5.21	6.75	8.72	10.7	13.1	15.5	18.1	21	
G657/40/100WI	65X7 (4) X10	83.2	C	364	182	121	91	72	60	52	45	40	36	33	30	28	26	
			D	0.08	0.34	0.76	1.36	2.1	3.04	4.2	5.44	6.92	8.6	10.6	12.5	15	17.5	
G607/40/50WI	60X7 (4) X10	78.9	U	3162	790	351	197	126	87	64	49	39	31	26	21	18	16	
			D	0.11	0.46	1.03	1.83	2.86	4.1	5.61	7.35	9.41	11.5	14.1	16.3	19.3	23.2	
G607/40/100WI	60X7 (4) X10	75.9	C	316	158	105	79	63	52	45	39	35	31	28	26	24	22	
			D	0.09	0.37	0.82	1.47	2.29	3.28	4.52	5.87	7.54	9.22	11.2	13.5	16	18.5	
G557/40/50WI	55X7 (4) X8.5	71.9	U	2626	656	291	164	105	72	53	41	32	26	21	18	15		
			D	0.13	0.5	1.13	2.01	3.15	4.49	6.14	8.14	10.2	12.7	15.1	18.5	21.4		
G557/40/100WI	55X7 (4) X8.5	68.9	C	262	131	87	65	52	43	37	32	29	26	23	21	20		
			D	0.1	1.4	0.9	1.59	2.5	3.58	4.92	6.38	8.28	10.3	12.2	14.5	17.7		
G507/40/50WI	50X7 (4) X8	66.4	U	2184	546	242	136	87	60	44	34	26	21	18	15			
			D	0.14	0.55	1.24	2.2	3.45	4.95	6.76	8.93	11	13.6	17.2	20.4			
G507/40/100WI	50X7 (4) X8	63.4	C	218	109	72	54	43	36	31	27	24	21	19	18			
			D	0.11	0.44	0.98	1.73	2.73	3.97	5.45	7.13	9.07	11	13.3	16.5			
G505/40/50WI	50X5 (3) X8.5	50.4	U	1564	391	173	97	62	43	31	24	19	15	12				
			D	0.14	0.55	1.23	2.19	3.43	4.95	6.64	8.8	11.2	13.6	16.5				
G505/40/100WI	50X5 (3) X8.5	47.4	C	156	78	52	39	31	26	22	19	17	15	14				
			D	0.11	0.44	0.99	1.76	2.75	4	5.4	7.01	8.98	11	13.7				
G445/40/50WI	44X5 (3) X8	45.5	U	1241	310	137	77	49	34	25	19	15	12					
			D	0.16	0.62	1.4	2.49	3.88	5.61	7.68	10	12.7	15.6					
G445/40/100WI	44X5 (3) X8	42.5	C	124	62	41	31	24	20	17	15	13	12					
			D	0.12	0.5	1.12	2.01	3.05	4.41	5.99	7.95	9.89	12.6					
G385/40/50WI	38X5 (3) X7	40.3	U	935	233	103	58	37	25	19	14	11						
			D	0.18	0.73	1.63	2.91	4.55	6.4	9.06	11.5	14.5						
G385/40/100WI	38X5 (3) X7	37.3	C	93	46	31	23	18	15	13	11	10						
			D	0.14	0.57	1.31	2.31	3.55	5.14	7.12	9.08	11.9						
G325/40/50WI	32X5 (3) X6	35.1	U	663	165	73	41	26	18	13	10							
			D	0.21	0.86	1.92	3.43	5.33	7.69	10.4	13.7							
G325/40/100WI	32X5 (3) X6	32.1	C	66	33	22	16	13	11	9	8							
			D	0.17	0.69	1.55	2.68	4.28	6.3	8.26	11.1							
G255/40/50WI	25X5 (3) X4.5	28.7	U	408	102	45	25	16	11	8								
			D	0.28	1.1	2.47	4.36	6.86	9.86	13.4								
G255/40/100WI	25X5 (3) X4.5	25.8	C	40	20	13	10	8	6	5								
			D	0.22	0.87	1.91	3.5	5.51	7.24	9.71								

**Remark**

- ⊙ U: Safety uniformly distributed load (KN/sq.m)
- ⊙ C: Safety load on the center line perpendicular to the bearing bar direction (KN/m)
- ⊙ D: Maximum deflection under safe load (mm)
  
- ⊙ The Max deflection is less than 4mm when safety uniformly distributed load 2 KN/sq.m in the listed areas.
- ⊙ The theoretical weight in table is based on galvanized. The weight will be heavier than the listed weight when gratings length is less 1m.