

Load Table of Steel Grating with Bearing Bar Centres 40mm

Grating Type	Bearing Bar size (mm)	Approx Weight (kg/m ²)	Deflection	Span (mm)														
				200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
G655/40/50WG	65X5	81.7	U	2992	748	332	187	119	83	61	46	36	29	24	20	17	15	
			D	0.11	0.42	0.95	1.7	2.65	3.84	3.93	6.78	8.54	10.5	12.8	15.3	18	21.5	
G655/40/100WG		78.7	C	299	149	99	74	59	49	42	37	33	29	27	24	23	21	
			D	0.08	0.34	0.76	1.35	2.1	3.03	4.14	5.47	6.99	8.49	10.6	12.3	15.1	17.4	
G605/40/50WG	60X5	75.9	U	2550	637	283	159	102	70	52	39	31	25	21	17	15		
			D	0.11	0.46	1.03	1.84	2.89	4.12	4.27	7.32	9.36	11.6	14.3	16.5	20.2		
G605/40/100WG		72.9	C	255	127	85	63	51	42	36	31	28	25	23	21	19		
			D	0.09	0.37	0.83	1.46	2.31	3.31	4.52	5.84	7.56	9.32	11.5	13.7	16		
G555/40/50WG	55X5	70.1	U	2142	535	238	133	85	59	43	33	26	21	17	14			
			D	0.13	0.5	1.13	2	3.13	4.51	5.59	8.05	10.2	12.7	15.1	17.8			
G555/40/100WG		67.1	C	214	107	71	53	42	35	30	26	23	21	19	17			
			D	0.1	0.4	0.9	1.59	2.48	3.58	4.9	6.38	8.09	10.2	12.4	14.5			
G505/40/50WG	50X5	64.2	U	1770	442	196	110	70	49	36	27	21	17	14				
			D	0.14	0.55	1.24	2.2	3.43	5	5.12	8.79	11	13.7	16.6				
G505/40/100WG		61.2	C	177	88	59	44	35	29	25	22	19	17	16				
			D	0.11	0.44	0.99	1.76	2.75	3.96	5.45	7.2	8.93	11.1	14				
G503/40/50WG	50X3	42.6	U	1062	265	118	66	42	29	21	16	13	10					
			D	0.14	0.55	1.24	2.2	3.43	4.94	4.99	8.71	11.4	13.5					
G503/40/100WG		39.6	C	106	53	35	26	21	17	15	13	11	10					
			D	0.11	0.44	0.98	1.74	2.75	3.87	5.46	7.11	8.66	10.9					
G455/40/50WG	45X5	58.4	U	1434	358	159	89	57	39	29	22	17	14	11				
			D	0.15	0.61	1.38	2.44	3.83	5.46	5.67	9.85	12.3	15.5	18.1				
G455/40/100WG		55.4	C	143	71	47	35	28	23	20	17	15	14	13				
			D	0.12	0.49	1.09	1.92	3.02	4.31	5.99	7.67	9.72	12.5	15.6				
G405/40/50WG	40X5	52.6	U	1133	283	125	70	45	31	23	17	13	11					
			D	0.17	0.69	1.54	2.74	4.32	6.2	6.42	10.9	13.5	17.5					
G405/40/100WG		49.6	C	113	56	37	28	22	18	16	14	12	11					
			D	0.14	0.54	1.22	2.19	3.39	4.82	6.85	9	11.1	14.1					
G403/40/50WG	40X3	35.3	U	680	170	75	42	27	18	13	10	8						
			D	0.17	0.69	1.54	2.74	4.32	6.01	6.08	10.7	13.8						
G403/40/100WG		32.3	C	68	34	22	17	13	11	9	8	7						
			D	0.14	0.55	1.21	2.22	3.34	4.92	6.45	8.64	10.9						
G355/40/50WG	35X5	46.8	U	867	216	96	54	34	24	17	13	10						
			D	0.2	0.78	1.77	3.16	4.88	7.18	7.12	12.5	15.5						
G355/40/100WG		43.8	C	86	43	28	21	17	14	12	10	9						
			D	0.16	0.62	1.38	2.46	3.91	5.61	7.71	9.7	12.6						
G353/40/50WG	35X3	31.6	U	520	130	67	32	20	14	10	8							
			D	0.2	0.79	1.75	3.12	4.79	7	7.01	12.6							
G353/40/100WG		28.6	C	52	28	17	13	10	8	7	6							
			D	0.16	0.63	1.41	3.54	3.85	5.37	7.53	9.75							
G325/40/50WG	32X5	43.3	U	725	181	80	45	29	20	14	11							
			D	0.21	0.86	1.93	3.45	5.45	7.84	7.7	13.9							
G325/40/100WG		40.3	C	72	36	24	18	14	12	10	9							
			D	0.17	0.68	1.55	2.76	4.23	6.31	8.43	11.4							
G323/40/50WG	32X3	29.4	U	435	108	48	27	17	12	8								
			D	0.21	0.86	1.93	3.45	5.34	7.86	7.37								
G323/40/100WG		26.4	C	43	21	14	10	8	7	6								
			D	0.17	0.67	1.5	2.56	4.04	6.16	8.47								
G255/40/50WG	25X5	35.1	U	442	110	49	27	17	12	9								
			D	0.27	1.1	2.48	4.35	6.74	9.94	10.5								
G255/40/100WG		32.1	C	44	22	14	11	8	7	6								
			D	0.22	0.88	1.9	3.55	5.1	7.79	10.7								
G253/40/50WG	25X3	24.3	U	265	66	29	16	10	7									
			D	0.27	1.1	2.45	4.3	6.63	9.71									
G253/40/100WG		21.3	C	26	13	8	6	5	4									
			D	0.22	0.87	1.81	3.24	5.33	7.48									
G205/40/50WG	20X5	29.3	U	283	70	31	17	11	7									
			D	0.34	1.36	3.08	5.37	8.56	11.5									
G205/40/100WG		26.3	C	28	14	9	7	5	4									
			D	0.27	1.09	2.39	4.44	6.29	8.84									
G203/40/50WG	20X3	20.6	U	170	42	18	10	6										
			D	0.34	1.37	2.98	5.28	7.84										
G203/40/100WG		17.6	C	17	8	5	4	3										
			D	0.28	1.04	2.22	4.25	6.32										

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 load and deflection listed in the table should be multiplied by serrated coefficient when adopting serrated steel gratings
- ⊙ The theoretical weight in table is based on galvanized. The weight will be heavier than the listed weight when gratings length is less 1m.