



Load Table of Steel Grating with Bearing Bar Centres 30mm

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	
G655/30/50WG	65X5	103.4	U	3990	997	443	249	159	110	81	62	49	39	32	27	23	20	17	
			D	0.11	0.42	0.95	1.7	2.65	3.81	5.22	6.84	8.7	10.6	12.8	16.4	18.2	21.4	24.2	
G655/30/100WG		100.4	C	399	199	133	99	79	66	57	49	44	39	36	33	30	28	26	
			D	0.08	0.34	0.76	1.35	2.11	3.06	4.21	5.43	6.98	8.54	10.6	12.7	14.8	17.3	20	
G605/30/50WG	60X5	95.9	U	3400	850	377	212	136	94	69	53	41	34	28	23	20	17		
			D	0.11	0.46	1.03	1.84	2.89	4.15	5.66	7.35	9.28	11.8	14.3	16.7	20.2	23.2		
G605/30/100WG		92.9	C	340	170	113	85	68	56	48	42	37	34	30	28	26	24		
			D	0.09	0.37	0.83	1.48	2.31	3.3	4.52	5.93	7.48	9.49	11.2	13.7	16.3	19		
G555/30/50WG	55X5	88.4	U	2856	714	317	178	114	79	58	44	35	28	23	19	16			
			D	0.13	0.5	1.13	2	3.14	4.53	6.19	8.04	10.3	12.6	15.3	18	21.1			
G555/30/100WG		85.4	C	285	142	95	71	57	47	40	35	31	28	25	23	21			
			D	0.1	0.4	0.9	1.6	2.52	3.6	4.89	6.43	8.16	10.2	12.2	14.7	17.2			
G505/30/50WG	50X5	80.9	U	2361	590	262	147	94	65	48	36	29	23	19	16				
			D	0.14	0.55	1.24	2.2	3.45	4.97	6.82	8.78	11.4	13.9	16.9	20.3				
G505/30/100WG		77.9	C	236	118	78	59	47	39	33	29	26	23	21	19				
			D	0.11	0.44	0.99	1.77	2.77	3.99	5.39	7.11	9.14	11.2	13.7	16.2				
G503/30/50WG	50X3	88.4	U	1416	354	157	88	56	39	28	22	17	14	11					
			D	0.14	0.55	1.24	2.2	3.43	4.97	6.65	8.98	11.2	14.1	16.3					
G503/30/100WG		85.4	C	141	70	47	88	28	23	20	17	15	14	12					
			D	0.11	0.44	0.99	1.75	2.75	3.92	5.45	6.97	8.82	11.4	13.1					
G455/30/50WG	45X5	73.4	U	1912	478	212	119	76	53	39	29	23	19	15					
			D	0.15	0.61	1.38	2.45	3.83	5.56	7.62	9.73	12.4	15.8	18.4					
G455/30/100WG		70.4	C	191	95	63	47	38	31	27	23	21	19	17					
			D	0.12	0.49	1.09	1.94	3.07	4.35	6.06	7.76	10.1	12.7	15.3					
G405/30/50WG	40X5	65.9	U	1511	377	167	94	60	41	30	23	18	15						
			D	0.17	0.69	1.54	2.76	4.31	6.14	8.37	11	13.9	17.8						
G405/30/100WG		62.9	C	151	75	50	37	30	25	21	18	16	15						
			D	0.14	0.55	1.23	2.17	3.46	5.01	6.73	9.69	11.1	14.4						
G403/30/50WG	40X3	43.3	U	906	226	100	58	36	25	18	14	11							
			D	0.17	0.69	1.54	2.74	4.32	6.25	8.39	11.2	14.2							
G403/30/100WG		40.3	C	90	45	30	22	18	16	12	11	10							
			D	0.14	0.55	1.24	2.16	3.46	5.02	6.44	8.87	10.6							
G355/30/50WG	35X5	58.4	U	1156	289	128	72	46	32	23	18	14							
			D	0.2	0.79	1.77	3.16	4.96	7.17	9.61	12.9	16.2							
G355/30/100WG		55.4	C	115	57	38	28	23	19	16	14	12							
			D	0.16	0.62	1.4	2.46	3.97	5.7	7.69	10.1	12.5							
G353/30/50WG	35X3	38.6	U	694	173	77	43	27	19	14	10								
			D	0.2	0.79	1.77	3.14	4.84	7.11	9.77	12								
G353/30/100WG		35.6	C	69	34	23	17	13	11	9	8								
			D	0.16	0.62	1.41	2.49	3.75	5.52	7.25	9.71								
G325/30/50WG	32X5	53.9	U	967	241	107	60	38	26	19	15	11							
			D	0.22	0.86	1.94	3.44	5.35	7.64	10.4	14.1	16.8							
G325/30/100WG		50.9	C	96	48	32	24	19	16	13	12	10							
			D	0.17	0.68	1.55	2.76	4.3	6.3	8.21	11.4	13.7							
G323/30/50WG	32X3	35.8	U	580	145	64	36	23	16	11	9								
			D	0.21	0.86	1.93	3.45	5.41	7.85	10.1	14.2								
G323/30/100WG		32.8	C	58	29	19	14	11	9	8	7								
			D	0.17	0.69	1.53	2.69	4.16	5.93	8.44	11.2								
G255/30/50WG	25X5	43.4	U	590	147	65	36	23	16	12									
			D	0.28	1.1	2.47	4.35	6.82	9.92	13.9									
G255/30/100WG		40.4	C	59	29	19	14	11	9	8									
			D	0.22	0.87	1.93	3.39	5.25	7.5	10.7									
G253/30/50WG	25X3	29.3	U	354	88	39	22	14	9										
			D	0.28	1.1	2.47	4.43	6.94	9.35										
G253/30/100WG		26.3	C	35	17	11	8	7	5										
			D	0.22	0.85	1.86	3.24	5.58	7										
G205/30/50WG	20X5	36.0	U	377	94	41	23	15	10										
			D	0.34	1.37	3.05	5.44	8.73	12.2										
G205/30/100WG		33.0	C	37	18	12	9	7	6										
			D	0.27	1.06	2.39	4.28	6.57	9.85										
G203/30/50WG	20X3	24.6	U	226	56	25	14	9											
			D	0.34	1.37	3.1	5.53	8.76											
G203/30/100WG		21.6	C	22	11	7	5	4											
			D	0.27	1.07	2.32	3.98	6.3											

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.