VALLEGE GratingS

Load Table of "I" type Steel Gratings with Bearing Bar Centres 30mm

Grating Type	Bearing Bar size (mm)	Approx Weight (kg/m2)	Deflection	Span（mm）														
				200	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
G755/30/50WI	75X7(4)X12	126.1	U	6460	1615	717	403	258	179	131	100	79	64	53	44	38	32	28
			D	0.09	0.37	0.83	1.47	2.3	3.31	4.5	5.88	7.47	9.25	11.3	13.3	15.9	18.1	21
G755/30/100WI		120.7	C	646	323	215	161	129	107	92	80	71	64	58	53	49	46	43
			D	0.07	0.29	0.66	1.17	1.84	2.65	3.62	4.72	5.99	7.44	9.02	10.8	12.7	15	17.4
G657/30/50WI	65X7(4)X10	110.1	U	4862	1215	540	303	194	135	99	75	60	48	40	33	28	24	21
			D	0.11	0.42	0.95	1.69	2.65	3.83	5.22	6.77	8.71	10.7	13.1	15.4	18.1	10.9	24.3
G657/30/100WI		104.8	C	486	243	162	121	97	81	69	60	54	48	44	40	37	34	32
			D	0.08	0.34	0.76	1.35	2.12	3.07	4.17	5.44	7	8.58	10.5	12.5	14.8	17.1	20
G607/30/50WI	60X7(4)X10	99.1	U	4216	1054	468	263	168	117	86	65	52	42	34	29	24	21	18
			D	0.11	0.46	1.03	1.83	2.86	4.13	5.65	7.31	9.4	11.6	13.9	16.8	19.3	22.8	25.9
G607/30/100WI		96.1	C	421	210	140	105	84	70	60	52	46	42	38	35	32	30	28
			D	0.09	0.36	0.82	1.46	2.29	3.3	4.52	5.87	7.43	9.35	11.3	13.6	16	18.8	21.8
G557/30/50WI	55X7(4)X8.5	90.3	U	3502	875	389	218	140	97	71	54	43	35	28	24	20	17	
			D	0.13	0.5	1.13	2	3.15	4.53	6.17	8.03	10.3	12.8	15.1	18.4	21.3	24.6	
G557/30/100WI		87.3	C	350	175	116	87	70	58	50	43	38	35	31	29	26	25	
			D	0.1	0.4	0.9	1.6	2.52	3.62	4.98	6.42	8.13	10.3	12.3	15	17.2	20.8	
G507/30/50WI	50X7(4)X8	83.2	U	2912	728	323	182	116	80	59	45	35	29	24	20			
			D	0.14	0.55	1.24	2.21	3.44	4.94	6.78	8.85	11.1	14.1	17.1	20.4			
G507/30/100WI		80.2	C	291	145	97	72	58	48	41	36	32	29	26	24			
			D	0.11	0.44	0.99	1.75	2.76	3.96	5.4	7.12	9.06	11.3	13.6	16.5			
G505/30/50WI	50X5(3)X8.5	62.8	U	2085	521	231	130	83	57	42	32	25	20	17	14			
			D	0.14	0.55	1.23	2.2	3.44	4.91	6.73	8.79	11.1	13.6	17	20			
G505/30/100WI		59.8	C	208	104	69	52	41	34	29	26	23	20	18	17			
			D	0.11	0.44	0.98	1.76	2.72	3.92	5.33	7.17	9.09	10.9	13.2	16.3			
G445/30/50WI	44X5(3)X8	56.5	U	1654	413	183	103	66	45	33	25	20	16	13				
			D	0.16	0.62	1.4	2.5	3.92	5.56	7.59	9.86	12.7	15.6	18.7				
G445/30/100WI		53.5	C	165	82	55	41	33	27	23	20	18	16	15				
			D	0.12	0.5	1.12	1.99	3.14	4.46	6.07	7.93	10.2	12.6	15.8				
G385/30/50WI	38X5(3)X7	49.9	U	1246	311	138	77	49	34	25	19	15	12					
			D	0.18	0.73	1.64	2.89	4.51	6.52	8.93	11.6	14.8	18.2					
G385/30/100WI		46.9	C	124	62	41	31	24	20	17	15	13	12					
			D	0.14	0.58	1.3	2.33	3.55	5.13	6.98	9.25	11.5	14.7					
G325/30/50WI	32X5(3)X6	43.3	U	884	221	98	55	35	24	18	13	10						
			D	0.21	0.86	1.94	3.44	5.37	7.68	10.7	13.3	16.6						
G325/30/100WI		40.3	C	88	44	29	22	17	14	12	11	9						
			D	0.17	0.69	1.53	2.76	4.19	6.01	8.24	11.4	13.4						
G255/30/50WI	25X5(3)X4.5	35.1	U	544	136	60	34	21	15	11								
			D	0.28	1.1	2.47	4.45	6.75	10.1	13.8								
G255/30/100WI		32.1	C	54	27	18	13	10	9	7								
			D	0.22	0.88	1.98	3.41	5.17	8.09	10.1								

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.