

PRODUCT	LOAD BAR SIZE	MAS KG/M ²	U – KPA D – MM	450 SPAN	600 SPAN	750 SPAN	900 SPAN	1050 SPAN	1200 SPAN	1500 SPAN	1800 SPAN	2100 SPAN	2400 SPAN	2700 SPAN	3000 SPAN	4 KPA 5MM DEFL SPAN
SG253/60/50AP*	25 x 3	6.9	U D	25.3 2.9	14.2 5.3	9 8.2	6.3 11.9	4.6 16.2	3.5 21.2	2.3 33.1						800
SG253/30/100AS*	25 x 3	8.0	U D	32.4 1.9	18.2 3.4	11.6 5.4	8.1 7.8	5.9 10.8	4.5 14.2	2.9 22.6	2.0 33.3					875
SG253/30/100AP*	25 x 3	8.5	U D	50.5 2.9	28.3 5.3	18.1 8.2	12.5 11.9	9.2 16.2	7.0 21.2	4.5 33.1	3.1 47.7					950
SG255/30/100AS*	25 x 5	12.4	U D	53.9 1.9	30.3 3.4	19.4 5.4	13.5 7.8	9.9 10.6	7.6 14.0	4.8 22.1	3.4 32.3	2.5 44.7	1.9 60.0			975
SG255/30/100AP*	25 x 5	13.0	U D	87.0 3.1	48.9 5.4	31.2 8.5	21.6 12.3	15.8 16.7	12.1 21.9	7.7 34.2	5.3 49.2	3.9 67.0	2.9 87.6			1075
SG255/30/50AP*	25 x 5	14.7	U D	87.0 3.1	48.9 5.4	31.2 8.5	21.6 12.3	15.8 16.7	12.1 21.9	7.7 34.2	5.3 49.2	3.9 67.0	2.9 87.6			1075
SG325/60/50AP*	32 x 5	10.7	U D	55.5 1.8	31.4 3.3	20.1 5.2	13.9 7.5	10.2 10.2	7.8 13.4	4.7 20.9	3.4 30.2	2.4 41.1	1.8 53.7	1.4 67.9		1090
SG403/60/50AP*	40 x 3	8.9	U D	53.5 1.5	30.2 2.7	19.3 4.2	13.4 6.1	9.8 8.4	7.4 10.9	4.9 17.1	3.3 24.7	2.4 33.6				1125
SG323/30/100AP*	32 x 3	10.4	U D	68.4 1.9	38.4 3.4	24.5 5.3	17.0 7.6	12.4 10.4	9.5 13.6	6.1 21.3	4.2 30.7	3.0 41.9				1150
SG325/30/100AS*	32 x 5	15.6	U D	92.8 1.5	52.2 2.8	33.4 4.4	23.2 6.3	17.0 8.6	13.0 11.2	8.3 17.5	5.8 25.3	4.3 34.8	3.3 45.6	2.6 57.6		1200
SG325/30/100AP*	32 x 5	16.2	U D	111 1.8	62.8 3.3	40.1 5.2	27.8 7.5	20.4 10.2	15.6 13.4	9.5 20.9	6.8 30.2	5.0 41.1	3.8 53.7	2.9 67.9		1300
SG325/30/50AP*	32 x 5	17.9	U D	111 1.8	62.8 3.3	40.1 5.2	27.8 7.5	20.4 10.2	15.6 13.4	9.5 20.9	6.8 30.2	5.0 41.1	3.8 53.7	2.9 67.9		1300
SG403/30/100AP*	40 x 3	12.6	U D	107 1.5	60.3 2.7	38.5 4.2	26.7 6.1	19.6 8.4	14.9 10.9	9.9 17.1	6.6 24.7	4.8 33.6	3.6 43.9	2.9 55.6		1350
SG455/60/50AP*	45 x 5	13.7	U D	119 1.4	66.5 2.5	42.6 3.9	29.6 5.7	21.7 7.8	16.5 10.2	10.5 15.9	7.3 23.0	5.3 31.3	4.6 10.9	3.1 51.8	2.5 63.9	1400
SG405/30/100AS*	40 x 5	19.2	U D	152 1.3	85.5 2.3	54.7 3.7	38.0 5.3	27.9 7.2	21.4 9.5	13.7 14.9	9.5 21.6	6.9 29.6	5.3 38.9	4.2 49.6	3.4 61.8	1475
SG405/30/100AP*	40 x 5	19.8	U D	198 1.7	111 3.0	71.2 4.7	49.4 6.8	36.2 9.3	27.7 12.1	17.6 19.0	12.2 27.3	8.9 37.2	6.8 48.6	5.3 61.6	4.3 76.0	1525
SG455/30/100AS*	45 x 5	21.5	U D	195 1.2	109 2.13	70.0 3.3	48.6 4.8	35.7 6.5	27.3 8.5	17.25 13.4	12.1 19.4	8.9 26.6	6.8 35.0	5.4 44.7	4.3 55.7	1625
SG455/30/100AP*	45 x 5	22.0	U D	237 1.4	133 2.5	85.2 3.9	59.1 5.7	43.4 7.8	33.1 10.2	21.1 15.9	14.6 23.0	10.6 31.3	8.1 40.9	6.4 51.8	5.1 63.9	1675
SG503/30/100AP*	50 x 3	15.3	U D	164 1.2	92.1 2.1	59.0 3.4	41.0 4.9	30.1 6.6	23.1 8.7	14.7 13.5	10.2 19.5	7.5 26.5	5.8 35.0	4.5 43.5	3.7 54.6	1600
SG505/30/100AP*	50 x 5	24.3	U D	281 1.2	158 2.2	101 3.4	70.1 4.9	51.4 6.7	39.3 8.8	25.1 13.8	17.3 19.9	12.6 27.0	9.6 35.3	7.6 44.7	6.1 55.2	1800
SG603/30/100AP*	60 x 3	18.0	U D	243 1.0	137 1.8	87.0 2.9	61.0 4.1	45.0 5.6	34.0 7.4	22.0 11.5	15.0 16.6	11.0 22.5	9.0 29.4	7.0 37.2	5.0 46.0	1836

Spans to the left of the heavy line have a deflection of less than 5mm for a 4kPa uniformly distributed load.

OTHER NOTES REGARDING LOAD / DEFLECTION TABLE DATA:

1. U - Superimposed uniformly distributed load in kPa (100kg/m² = 0.98 kPa)
2. Deflection in millimetres for the load U
3. Assumption of load capacity is on single spans
4. The data listed above is for general information only. Hallweld Gratings believes the data to be true and accurate but no guarantee is expressed or implied as to specific performance