



# Distributed load

## Specifications:

The load is stated in  $\text{kN}/\text{m}^2$

Material corresponding to S235JRG2 galvanised\*

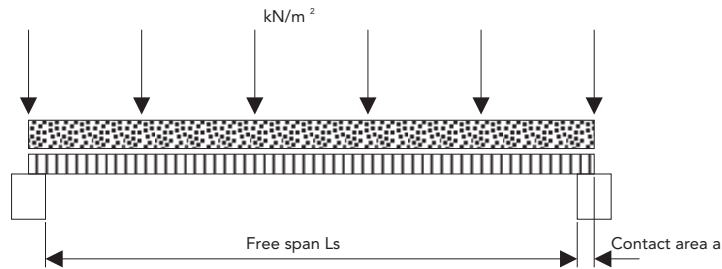
The partial coefficient for the material is 1.17

The partial coefficient for the load is 1.3

\* The above values are reduced for untreated steel and stainless steel. Ask our technical department.

## Distributed load of grating:

The values in the below load table are stated as the maximum allowable calculated load.



Bearing bar (h x t)	Mesh between bearing bars	Clear span / Free span Ls (Minimum contact area (a) per side 30 mm)							
		250	350	450	550	700	950	1200	1450
20 x 2 SP	30	88,53	45,17	27,32	18,29	11,29	6,13	3,84	2,63
	20	127,53	65,06	39,36	26,35	16,27	8,83	5,53	3,79
	15	164,22	83,79	50,69	33,93	20,95	11,37	7,13	4,88
25 x 2 SP	30	138,33	70,58	42,69	28,58	17,64	9,58	6,00	4,11
	20	199,26	101,66	61,50	41,17	25,42	13,80	8,65	5,92
	15	256,60	130,92	79,20	53,02	32,73	17,77	11,14	7,63
30 x 2 SP	30	199,19	101,63	61,48	41,16	25,41	13,79	8,65	5,92
	20	286,93	146,39	88,56	59,28	36,60	19,87	12,45	8,53
	15	369,50	188,52	114,04	76,34	47,13	25,59	16,04	10,98
40 x 2 SP	30	354,12	180,67	109,30	73,17	45,17	24,52	15,37	10,53
	20	510,09	260,25	157,44	105,39	65,06	35,33	22,14	15,16
	15	656,89	335,15	202,74	135,72	83,79	45,49	28,51	19,53
25 x 3 SP	30	201,40	102,76	62,16	41,61	25,69	13,95	8,74	5,99
	20	286,17	146,00	88,32	59,13	36,50	19,82	12,42	8,51
	15	363,87	185,65	112,31	75,18	46,41	25,20	15,79	10,82
30 x 3 SP	30	290,02	147,97	89,51	59,92	36,99	20,08	12,59	8,62
	20	412,08	210,25	127,19	85,14	52,56	28,54	17,89	12,25
	15	523,98	267,33	161,72	108,26	66,83	36,29	22,74	15,58
40 x 3 SP	30	515,58	263,05	159,13	106,53	65,76	35,71	22,38	15,33
	20	732,59	373,77	226,11	151,36	93,44	50,73	31,80	21,78
	15	931,51	475,26	287,50	192,46	118,82	64,51	40,43	27,69
45 x 3,5 SP	30	750,29	382,80	231,57	155,02	95,70	51,96	32,56	22,30
	20	1059,22	540,42	326,92	218,85	135,10	73,35	45,97	31,49
	15	1338,92	683,12	413,25	276,64	170,78	92,72	58,11	39,80
50 x 3 SP	30	805,60	411,02	248,64	166,45	102,76	55,79	34,97	23,95
	20	1144,67	584,02	353,29	236,50	146,00	79,27	49,68	34,03
	15	1455,49	742,60	449,22	300,72	185,65	100,80	63,17	43,27
55 x 3 SP	30	1120,81	571,84	345,93	231,57	142,96	77,62	48,65	33,32
	20	1582,29	807,29	488,36	326,92	201,82	109,58	68,68	47,04
	15	2000,11	1020,47	617,32	413,25	255,12	138,51	86,81	59,46
60 x 3 SP	30	1160,06	591,87	358,04	239,68	147,97	80,34	50,35	34,48
	20	1648,83	840,98	508,74	340,56	210,25	114,15	71,54	49,00
	15	2095,90	1069,34	646,88	433,04	267,33	145,15	90,97	62,30
70 x 3,5 SP	30	1815,52	926,29	560,35	375,11	231,57	125,73	78,80	53,97
	20	2563,04	1307,67	791,06	529,55	326,92	177,50	111,24	76,19
	15	3239,85	1652,99	999,95	669,39	413,25	224,37	140,62	96,31