



Point load

Specifications:

The load is stated in kN for a pressure area of 200x200 mm

Material corresponding to S235JRG2 galvanised*

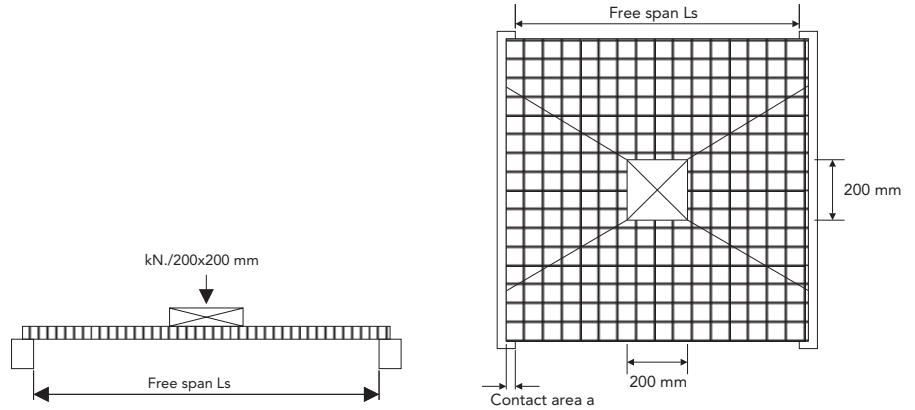
The partial coefficient for the material is 1.17

The partial coefficient for the load is 1.3

The partial coefficient for shocks is 1.0

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

Point load placed in middle of the grating – pressure area 200x200 mm:
The values in the below load table are stated as the maximum allowable calculated load.



Bearing bar (h x t)	Mesh between bearing bar	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	7,15	4,83	3,83	3,10	2,37	1,70	1,34	1,11
	20	9,88	6,63	5,24	4,23	3,23	2,32	1,83	1,51
	15	12,11	8,07	6,34	5,11	3,90	2,80	2,20	1,82
25 x 2 SP	30	10,89	7,33	5,80	4,69	3,58	2,58	2,03	1,68
	20	15,07	10,08	7,95	6,41	4,90	3,52	2,77	2,29
	15	18,50	12,30	9,64	7,77	5,92	4,25	3,34	2,77
30 x 2 SP	30	15,28	10,25	8,10	6,54	5,00	3,59	2,82	2,34
	20	21,17	14,13	11,10	8,95	6,83	4,91	3,86	3,19
	15	26,04	17,26	13,49	10,86	8,28	5,94	4,67	3,86
40 x 2 SP	30	25,74	17,16	13,48	10,87	8,29	5,95	4,68	3,88
	20	35,77	23,71	18,54	14,92	11,38	8,16	6,41	5,31
	15	44,14	29,07	22,61	18,16	13,83	9,92	7,78	6,44
25 x 3 SP	30	15,84	10,66	8,44	6,82	5,21	3,75	2,95	2,45
	20	21,62	14,47	11,40	9,20	7,02	5,05	3,97	3,29
	15	26,21	17,43	13,66	11,00	8,39	6,02	4,73	3,92
30 x 3 SP	30	22,23	14,91	11,78	9,51	7,27	5,22	4,11	3,41
	20	30,38	20,27	15,93	12,85	9,80	7,04	5,53	4,58
	15	36,89	24,45	19,12	15,38	11,73	8,42	6,61	5,47
40 x 3 SP	30	37,43	24,96	19,61	15,81	12,06	8,66	6,81	5,64
	20	51,32	34,02	26,60	21,40	16,32	11,71	9,20	7,61
	15	62,53	41,18	32,03	25,72	19,60	14,05	11,02	9,12
45 x 3,5 SP	30	52,94	35,16	27,55	22,18	16,92	12,14	9,54	7,90
	20	72,23	47,70	37,19	29,90	22,79	16,34	12,83	10,61
	15	87,64	57,51	44,60	35,79	27,25	19,53	15,31	12,66
50 x 3 SP	30	55,24	36,56	28,55	22,96	17,51	12,56	9,86	8,16
	20	75,99	50,00	38,86	31,21	23,77	17,04	13,37	11,05
	15	92,93	60,76	46,98	37,65	28,65	20,52	16,08	13,29
55 x 3 SP	30	74,56	49,14	38,25	30,73	23,41	16,79	13,17	10,89
	20	102,10	66,91	51,83	41,57	31,65	22,67	17,78	14,69
	15	124,37	81,01	62,42	49,97	38,01	27,20	21,31	17,60
60 x 3 SP	30	74,87	49,13	38,10	30,57	23,28	16,68	13,08	10,81
	20	103,39	67,47	52,08	41,71	31,74	22,72	17,81	14,71
	15	126,96	82,35	63,24	50,56	38,43	27,49	21,52	17,77
70 x 3,5 SP	30	109,79	71,36	54,90	43,92	33,40	23,90	18,71	15,45
	20	151,30	97,82	74,90	59,82	45,45	32,50	25,43	20,98
	15	185,56	119,29	90,89	72,46	55,00	39,29	30,73	25,33