

PRESSED GRATING MAIN MESH

MESH 66



the Load Bearing classes refers to the CLEAN LIGHT between placements, i.e. the distance between one support and the other.

B.B.	Mesh 66 x 11		Mesh 66 x 33		Mesh 66x 66		Class 1	Class 2	Class 3	Class 4
mm	Raw kg/mq	Galvan. kg/mq	Raw kg/mq	Galvan. kg/mq	Raw kg/mq	Galvan. kg/mq	Clean light mm	Clean light mm	Clean light mm	Clean light mm
25 x 2	20,57	21,80	11,15	11,82	8,79	9,32	792	162	117	88
25 x 3	23,71	25,13	14,29	15,14	11,93	12,65	926	198	143	108
30 x 2	21,82	23,13	12,40	13,15	10,05	10,65	950	194	140	106
30 x 3	25,59	27,13	16,17	17,14	13,82	14,64	1082	242	172	129
30 x 4	29,36	30,83	19,94	20,94	17,58	18,46	1163	289	199	149
40 x 2	24,34	25,80	14,92	15,81	12,56	13,31	1214	268	187	141
40 x 3	29,36	31,12	19,94	21,14	17,58	18,64	1343	353	232	173
40 x 4	34,38	36,10	24,96	26,21	22,61	23,74	1443	437	276	199
40 x 5	39,41	41,38	29,99	31,49	27,63	29,01	1526	521	320	223
50 x 2	26,85	28,46	17,43	18,47	15,07	15,98	1435	363	237	176
50 x 3	33,13	35,11	23,71	25,13	21,35	22,63	1588	495	306	216
50 x 4	39,41	41,38	29,99	31,49	27,63	29,01	1706	627	374	249
50 x 5	45,69	47,97	36,27	38,08	33,91	35,61	1804	758	419	281
60 x 3	36,90	39,11	27,48	29,12	25,12	26,63	1821	669	389	259
60 x 4	44,43	46,65	35,01	36,76	32,66	34,29	1956	859	453	304
70 x 3	40,66	43,10	31,24	33,12	28,89	30,62	2044	874	458	308
70 x 4	49,46	51,93	40,04	42,04	37,68	39,56	2196	1133	544	369
70 x 5	58,25	61,16	48,83	51,27	46,47	48,80	2322	1391	630	414
80 x 3	62,29	66,03	41,09	43,56	35,80	37,94	2259	1112	537	364
80 x 4	72,34	75,95	51,14	53,70	45,84	48,14	2428	1449	649	424
80 x 5	82,39	86,51	61,19	64,25	55,89	58,69	2567	1787	762	474
90 x 3	66,06	70,02	44,86	47,55	39,56	41,94	2468	1381	627	413
90 x 4	77,36	81,23	56,17	58,98	50,87	53,41	2652	1808	769	477
90 x 5	88,67	93,10	67,47	70,84	62,17	65,28	2804	2012	911	533
100 x 3	69,83	74,02	48,63	51,55	43,33	45,93	2671	1681	727	459
100 x 4	82,39	86,51	61,19	64,25	55,89	58,69	2870	2075	902	530
100 x 5	94,95	99,69	73,75	77,44	68,45	71,87	3035	2235	1078	592
110 x 4	87,41	91,78	66,21	69,53	60,92	63,96	3083	2282	1050	583
110 x 5	101,23	106,29	80,03	84,03	74,73	78,47	3259	2458	1263	654



Class 1 – Compact crowd pedestrian load
D.M. 14/01/2008 - 3.1.4
Chart 3.1.II - Category E.
Dynamic load 600 daN/m²
Material: Steel S235JR
Sigma yield strength = 23,5 daN/mm²
Sigma comparison = 22,38 daN/mm²
Max.deflection = 5mm
Max.deflection = 1/200 di Ln



Class 2 – vehicle
D.M. 14/01/2008 - 3.1.4
Chart 3.1.II - Category F
Dynamic load 1000 daN on imprint
200x200 mm total ground mass
up to 3000 kg
Material: Steel S235JR
Sigma yield strength = 23,5 daN/mm²
Sigma comparison = 22,38 daN/mm²
max.deflection = 5mm
Max.deflection = 1/200 di Ln



Class 3 – Light truck
Dynamic load 3000 daN on imprint
400x200 mm ground total mass
up to 6000 kg
Material: Steel S235JR
Sigma yield strength = 23,5 daN/mm²
Sigma comparison = 22,38 daN/mm²
max.deflection = 5mm
Max.deflection = 1/200 di Ln



Class 4 – Heavy trucks
Dynamic load 9000 daN on imprint
600x250 mm ground total mass
up to 45000 kg
Material: Steel S235JR
Sigma yield strength = 23,5 daN/mm²
Sigma comparison = 22,38 daN/mm²
max.deflection. = 5mm
Max.deflection = 1/200 di Ln