

20 mm Ball-Proof Grating (3 mm binding bar, mesh 21/100) BS4592-0:2006+A1:2012 / B

Bar = depth×thickness (mm) Load: kN/m² Span: mm Weight: kg/m² Binding bar: kg/2×1m panel Standard:

Bar Size mm	Load kN/m ²	Max Span @4mm defl (mm)	Defl (mm)	Max Span @L/200 or 10mm (mm)	Defl (mm)	Self Wt kg/m ²
25×5	5	1215	3.96	1400	6.98	45.01
25×5	7.5	1105	3.95	1235	6.17	45.01
25×3	5	985	3.98	1155	5.75	30.49
25×3	7.5	985	3.98	1060	5.24	30.49
30×5	5	1410	3.99	1700	8.43	53.45
30×5	7.5	1280	3.94	1500	7.43	53.45
30×3	5	1210	3.97	1470	7.28	36.03
30×3	7.5	1145	3.93	1295	6.43	36.03
35×5	5	1590	3.97	2000	9.93	61.89
35×5	7.5	1450	3.97	1770	8.82	61.89
35×3	5	1430	3.99	1735	8.64	41.56
35×3	7.5	1300	3.99	1530	7.65	41.56
40×5	5	1765	3.98	2220	9.96	70.33
40×5	7.5	1610	3.97	2025	9.93	70.33
40×3	5	1585	3.96	1995	9.93	47.09
40×3	7.5	1445	3.99	1760	8.76	47.09
45×5	5	1930	3.96	2430	9.96	78.77
45×5	7.5	1765	3.98	2220	9.95	78.77
50×5	5	2095	4.00	2630	9.93	87.21
50×5	7.5	1915	3.99	2405	9.92	87.21
60×5	5	2400	3.99	3015	9.94	104.09
60×5	7.5	2200	3.99	2765	9.96	104.09

35 mm Ball-Proof Grating (3 mm binding bar, mesh 37/125) — most common platform grating

Bar = depth×thickness (mm) Load: kN/m² Span: mm Weight: kg/m² Binding bar: kg/2×1m panel Standard:

Bar Size mm	Load kN/m ²	Max Span @4mm defl (mm)	Defl (mm)	Max Span @L/200 or 10mm (mm)	Defl (mm)	Self Wt kg/m ²
25×5	5	1050	4.00	1205	6.01	28.74
25×5	7.5	985	3.96	1055	5.21	28.74
25×3	5	800	3.96	805	4.02	18.74
25×3	7.5	800	3.96	805	4.02	18.74
30×5	5	1260	3.97	1465	7.26	34.04
30×5	7.5	1145	3.98	1290	6.42	34.04
30×3	5	985	3.99	1070	4.86	22.03
30×3	7.5	985	3.99	1070	5.02	22.03
35×5	5	1425	3.97	1730	8.63	39.34
35×5	7.5	1295	3.97	1520	7.54	39.34
40×5	5	1585	4.00	1990	9.93	44.64
40×5	7.5	1440	3.98	1750	8.68	44.64
40×3	5	1355	3.98	1585	5.72	28.63
40×3	7.5	1270	3.96	1485	7.40	28.63
45×5	5	1735	3.98	2180	9.92	49.94
45×5	7.5	1580	3.99	1980	9.84	49.94

50×5	5	1880	3.97	2365	9.93	55.24
50×5	7.5	1715	3.99	2155	9.95	55.24
60×5	5	2160	3.97	2720	9.98	65.84
60×5	7.5	1970	3.97	2480	9.96	65.84

(5 mm binding bar, mesh 47/125) — most efficient, no ball-proof required, no pers

Bar = depth×thickness (mm) Load: kN/m² Span: mm Weight: kg/m² Binding bar: kg/2×1m panel Standard:

Bar Size mm	Load kN/m²	Max Span @4mm defl (mm)	Defl (mm)	Max Span @L/200 or 10mm (mm)	Defl (mm)	Self Wt kg/m²
25×5	5	960	3.95	1115	5.57	23.84
25×5	7.5	935	3.95	985	4.86	23.84
30×5	5	1180	3.97	1370	6.79	28.16
30×5	7.5	1085	3.94	1205	6.00	28.16
35×5	5	1355	3.97	1615	8.01	32.47
35×5	7.5	1230	3.96	1420	7.04	32.47
45×5	5	1650	3.96	2075	9.91	41.11
45×5	7.5	1500	3.96	1855	9.27	41.11
50×5	5	1790	3.96	2255	9.97	45.43
50×5	7.5	1630	3.98	2050	9.95	45.43
60×5	5	2060	3.98	2590	9.93	54.06
60×5	7.5	1875	3.97	2360	9.96	54.06
40×3	5	1235	3.97	1395	5.28	22.97
40×3	7.5	1195	3.96	1370	6.83	22.97

S EN 10025 S275JR

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Binding Bar kg/2×1m
1.96
1.96
1.18
1.18
2.36
2.36
1.41
1.41
2.75
2.75
1.65
1.65
3.14
3.14
1.88
1.88
3.53
3.53
3.93
3.93
4.71
4.71

de, replaces 41/100(W)

BS4592-0:2006+A1:2012

Binding Bar kg/2×1m
1.96
1.96
1.18
1.18
2.36
2.36
1.41
1.41
2.75
2.75
3.14
3.14
1.88
1.88
3.53
3.53

3.93
3.93
4.71
4.71

Personnel below
BS4592-0:2006+A1:2012

Binding Bar kg/2×1m
1.96
1.96
2.36
2.36
2.75
2.75
3.53
3.53
3.93
3.93
4.71
4.71
1.88
1.88