

Safegrid load tables type E Plain

E Load Bearing Bars at 33mm Centres - Plain

max clear span for pedestrian loadings (mm)	def. (mm)	L.B.B Size (mm)	Load Table Design in accordance with BS 4592-0:2006 Table 1														Maximum Clear Span for 1Kn concentrated load over 300 x 300 mm		
			clear span														Clear Span	Def. mm	
				300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100			
a. 1000	3.07	20 x 3	kN/m ²	99.0	43.6	22.5	11.6	6.69										1002	5.00
b. 990	4.92		D (mm)	0.81	1.82	3.00	3.75	4.5											
c. 865	4.30																		
a. 1390	5.87	25 x 3	kN/m ²	154	68.5	38.5	22.6	13.1	8.23	5.51	3.87							1394	6.97
b. 1235	6.10		D (mm)	0.65	1.47	2.62	3.75	4.50	5.25	6.00	6.75								
c. 1080	5.35																		
a. 1700	8.30	30 x 3	kN/m ²	222	98.7	35.5	35.3	22.6	14.2	9.53	6.69	4.88	3.66					1665	8.33
b. 1485	7.38		D (mm)	0.55	1.23	3.4	3.39	4.50	5.25	6.00	6.75	7.50	8.25						
c. 1295	6.40																		
a. 1980	8.81	35 x 3	kN/m ²	303	134	75.5	48.3	33.5	22.6	15.1	10.6	7.75	5.82	4.48				1916	9.60
b. 1730	8.56		D (mm)	0.47	1.05	1.87	2.92	4.2	5.25	6.00	6.75	7.50	8.25	9.0					
c. 1515	7.55																		
a. 2140	10.0	40 x 3	kN/m ²	396	176	98.5	63.0	43.5	32.0	22.6	15.9	11.6	8.70	6.69	5.26	4.01			
b. 1980	9.84		D (mm)	0.41	0.92	1.63	2.55	3.65	4.98	6.0	6.75	7.5	8.25	9.0	9.75	10.0			
c. 1730	8.60																		

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			clear span														Clear Span	Def. mm	
				300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100			
a. 1285	5.03	20 x 5	kN/m ²	165	73.1	37.6	19.3	11.1	7.02	4.7								1288	6.43
b. 1175	5.86		D (mm)	0.82	1.84	3.0	3.75	4.5	5.25	6.0									
c. 1025	5.09																		
a. 1690	8.40	25 x 5	kN/m ²	257	114	64.2	37.7	21.6	13.7	9.19	6.45	4.7						1648	8.24
b. 1470	7.35		D (mm)	0.66	1.47	2.62	3.75	4.50	5.25	6.0	6.75	7.5							
c. 1280	6.34																		
a. 2010	8.92	30 x 5	kN/m ²	371	165	92.5	59.1	37.7	23.7	15.9	11.2	8.13	6.11	4.7				1950	9.75
b. 1760	8.74		D (mm)	0.55	1.23	2.18	3.41	4.5	5.25	6.0	6.75	7.5	8.25	9.0					
c. 1540	7.68																		
a. 2210	10.0	35 x 5	kN/m ²	505	224	126	80.5	55.8	37.7	25.2	17.7	12.9	9.7	7.47	5.87	4.48			
b. 2040	9.93		D (mm)	0.47	1.05	1.87	2.92	4.2	5.25	6.0	6.75	7.5	8.25	9.0	9.75	10.0			
c. 1790	8.83																		
a. 2460	10.0	40 x 5	kN/m ²	660	293	164	105	72.6	53.4	37.6	26.4	19.3	14.5	11.2	8.77	6.69			
b. 2255	10.0		D (mm)	0.41	0.92	1.63	2.55	3.66	4.99	6.0	6.75	7.5	8.25	9.0	9.75	10.0			
c. 2040	9.98																		
a. 2720	10.0	45 x 5	kN/m ²	835	370	208	133	92.0	67.6	51.5	37.7	27.5	20.6	15.9	12.5	9.52			
b. 2465	10.0		D (mm)	0.36	0.82	1.45	2.27	3.26	4.43	5.76	6.75	7.5	8.25	9.0	9.75	10.0			
c. 2225	10.0																		
a. 2960	10.0	50 x 5	kN/m ²	1030	457	257	164	114	83.5	63.8	50.2	37.7	28.3	21.8	17.1	13.1			
b. 2670	10.0		D (mm)	0.33	0.74	1.31	2.04	2.94	3.99	5.2	6.56	7.5	8.25	9.0	9.75	10.0			
c. 2410	10.0																		
a. 3230	10.0	55 x 5	kN/m ²	1245	555	311	198	138	101	77.3	61	49.2	37.7	29.0	22.8	17.4			
b. 2865	10.0		D (mm)	0.3	0.67	1.19	1.85	2.68	3.63	4.74	5.99	7.36	8.25	9.0	9.75	10.0			
c. 2590	10.0																		
a. 3500	10.0	60 x 5	kN/m ²	1480	660	370	236	164	121	92.0	72.6	58.7	48.3	37.7	29.6	22.6			
b. 3060	10.0		D (mm)	0.27	0.62	1.09	1.7	2.45	3.33	4.34	5.49	6.77	8.15	9.0	9.75	10.0			
c. 2760	10.0																		