Lionweld Kennedy Safegrid Load Tables

Safegrid load tables type N Plain

N Load Bearing Bars at 30mm Centres - Plain

max clear span for pedestrian loadings	def.	L.B.B Size	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														
(mm)	(mm)	(mm)		300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	Clear Span	Def. mm
a. 1050	3.41		kN/m²	108	48.0	24.7	12.6	7.3										
b. 1020	5.06	20 x 3															1050	5.25
c. 890	4.40		D (mm)	0.82	1.84	2.99	3.72	4.47										
a. 1450	6.34		kN/m²	169	75.0	42.0	24.7	14.3	9.01	6.05	4.24							
b. 1275	6.32	25 x 3															1460	7.3
c. 1110	5.45		D (mm)	0.65	1.47	2.6	3.74	4.49	5.25	6.0	6.75							
a. 1815	9.01		kN/m²	243	108	60.7	38.5	24.7	15.6	10.5	7.34	5.35	4.02					
b. 1535	7.68	30 x 3															1711	8.54
c. 1340	6.69		D (mm)	0.54	1.23	2.18	3.37	4.5	5.25	6.0	6.75	7.50	8.25					
a. 1980	9.90		kN/m²	332	147	82.9	53.0	36.7	24.8	16.6	11.7	8.5	6.38	4.91	3.86			
b. 1790	8.95	35 x 3															1980	9.9
c. 1560	7.74		D (mm)	0.47	1.05	1.87	2.92	4.2	5.25	6.00	6.75	7.50	8.25	9.0	9.75			
a. 2190	10.0		kN/m²	434	193	108	69.0	48.0	35.0	24.8	17.4	12.7	9.53	7.34	5.77	4.4		
b. 2030	9.91	40 x 3																
c. 1780	8.79		D (mm)	0.41	0.92	1.63	2.55	3.68	4.97	6.0	6.75	7.5	8.25	9.0	9.75	10.0		

N Load Bearing Bars at 30mm Centres - Plain

max clear span for pedestrian loadings	def.	L.B.B Size	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														
(mm)	(mm)	(mm)		300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	Clear Span	Def. mm
a. 1350	5.58		kN/m²	181	80.0	41.3	21.1	12.2	7.7	5.1								
b. 1210	6.01	20 x 5															1350	6.75
c. 1055	5.21		D (mm)	0.82	1.84	3.0	3.75	4.49	5.25	6.0								
a. 1790	8.84		kN/m²	282	125	70.0	41.2	23.9	15.1	10.1	7.08	5.16	3.88					
b. 1510	7.46	25 x 5															1693	8.45
c. 1320	6.53		D (mm)	0.66	1.47	2.6	3.74	4.5	5.25	6.0	6.75	7.5	8.25					
a. 2010	10.0		kN/m²	405	180	101	64.5	41.3	26.0	17.4	12.2	8.92	6.70	5.16	4.6			
b. 1815	9.01	30 x 5															2010	10.0
c. 1580	7.76		D (mm)	0.54	1.23	2.17	3.39	4.5	5.25	6.0	6.75	7.5	8.25	9.0	9.75			
a. 2260	10.0		kN/m²	554	246	138	88.3	61.2	41.3	27.7	19.4	14.2	10.6	8.19	6.44	4.91		
b. 2090	10.0	35 x 5																
c. 1850	9.19		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		
a. 2520	10.0		kN/m²	722	311	180	115	80.0	58.6	41.3	29.0	21.1	15.9	12.2	9.62	7.33		
b. 2310	10.0	40 x 5																
c. 2080	9.83		D (mm)	0.41	0.89	1.63	2.55	3.68	4.99	6.0	6.75	7.5	8.25	9.0	9.75	10.0		
a. 2790	10.0		kN/m²	917	405	228	146	101	74.0	55.0	41.3	30.1	22.6	17.4	13.7	10.5		
b. 2525	10.0	45 x 5																
c. 2280	10.0		D (mm)	0.37	0.82	1.45	2.27	3.26	4.43	5.61	6.75	7.5	8.25	9.0	9.75	10.0		
a. 3050	10.0		kN/m²	1130	503	282	180	125	91.0	70.0	55.2	41.2	31.0	23.9	18.8	14.3		
b. 2730	10.0	50 x 5																
c. 2760	10.0		D (mm)	0.33	0.74	1.31	2.04	2.94	3.97	5.21	6.58	7.5	8.25	9.0	9.75	10.0		
a. 3330	10.0		kN/m²	1370	605	340	218	151	111	84.0	66.5	54.0	41.3	31.8	25.0	19.1		
b. 2930	10.0	55 x 5																
c. 2650	10.0		D (mm)	0.3	0.67	1.19	1.86	2.67	3.64	4.69	5.95	7.37	8.25	9.0	9.75	10.0		
a. 3550	10.0		kN/m²	1630	718	407	260	180	132	101	79.5	64.4	53.1	41.3	32.5	24.8		
b. 3130	10.0	60 x 5																
c. 2830	10.0		D (mm)	0.27	0.61	1.09	1.71	2.46	3.34	4.35	5.48	6.77	8.17	9.0	9.75	10.0		