Lionweld Kennedy Safegrid Load Tables

Safegrid load tables type W Plain

W Load Bearing Bars at 41mm 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	clear span													Maximum Clear Span for 1Kn concentrated load over 300 x 300 mm	
				300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	Clear Span	Def. mm
a. 890	4.36		kN/m²	79.0	35.0	18.2	9.3											
b. 890	4.36	20 x 3															898	4.49
c. 800	3.90		D (mm)	0.81	1.82	3.00	3.75											
a. 1240	6.11		kN/m²	124	55.0	31.0	18.2	10.5	6.6	4.4								
b. 1150	5.69	25 x 3															1248	6.24
c. 1000	4.88		D (mm)	0.65	1.47	2.61	3.75	4.50	5.25	6.00								
a. 1560	7.08		kN/m²	179	79.0	44.0	28.5	18.2	11.5	7.65	5.38	3.93						
b. 1385	6.92	30 x 3															1636	8.18
c. 1200	5.85		D (mm)	0.55	1.22	2.15	3.35	4.50	5.25	6.00	6.75	7.50						
a. 1910	9.46		kN/m²	244	108	61.0	38.9	27.0	18.2	12.2	8.56	6.25	4.69					
b. 1615	8.06	35 x 3															1787	8.94
c. 1410	7.03		D (mm)	0.47	1.05	1.87	2.92	4.19	5.25	6.00	6.75	7.50	8.25					
a. 2140	10.0		kN/m²	319	141	79.7	50.9	35.2	25.8	18.2	12.8	9.32	7.0	5.39	4.24			
b. 1845	9.20	40 x 3															2027	9.99
c. 1610	8.00		D (mm)	0.41	0.92	1.64	2.56	3.67	5.0	6.0	6.75	7.5	8.25	9.0	9.75			

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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	clear span													Maximum Clear Span for 1Kn concentrated load over 300 x 300 mm	
				300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	Clear Span	Def. mm
a. 1150	5.70		kN/m²	133	59.0	30.3	15.5	8.9	5.6									
b. 1090	5.38	20 x 5															1154	5.77
c. 950	4.66		D (mm)	0.82	1.84	3.0	3.75	4.5	5.25									
a. 1540	7.06		kN/m²	206	92.0	51.0	30.0	17.5	11.05	7.4	5.2	3.79						
b. 1360	6.68	25 x 5															1607	8.04
c. 1190	5.87		D (mm)	0.04	0.16	0.4	0.79	4.50	5.25	6.0	6.75	7.5						
a. 1940	9.60		kN/m²	299	132	74.5	47.5	30.3	19.1	12.8	8.98	6.56	4.92	3.79				
b. 1640	8.17	30 x 5															1814	9.07
c. 1430	7.08		D (mm)	0.55	1.22	2.18	3.39	4.5	5.25	6.0	6.75	7.5	8.25	9.0				
a. 2200	10.0		kN/m²	407	181	101	64.9	44.9	30.3	20.3	14.3	10.4	7.82	6.02	4.74			
b. 1915	9.56	35 x 5															2085	9.99
c. 1670	8.30		D (mm)	0.47	1.06	1.86	2.92	4.19	5.24	6.0	6.75	7.5	8.25	9.0	9.75			
a. 2310	10.0		kN/m²	532	236	132	84.0	58.0	43.0	30.3	21.3	15.5	11.7	8.99	7.07	5.39		
b. 2140	10.0	40 x 5																
c. 1910	9.51		D (mm)	0.41	0.92	1.63	2.53	3.63	5.0	6.0	6.75	7.5	8.25	9.0	9.75	10.0		
a. 2550	10.0		kN/m²	670	299	168	107	74.5	54.6	41.7	30.3	22.1	16.7	12.8	10.1	7.68		
b. 2335	10.0	45 x 5																
c. 2110	10.0		D (mm)	0.36	0.82	1.46	2.27	3.27	4.44	5.79	6.75	7.5	8.25	9.0	9.75	10.0		
a. 2790	10.0		kN/m²	830	409	207	132	92.0	67.5	51.5	40.6	30.3	22.8	17.6	13.8	10.5		
b. 2530	10.0	50 x 5																
c. 2280	10.0		D (mm)	0.33	0.61	1.31	2.04	2.94	4.0	5.21	6.58	7.5	8.25	9.0	9.75	10.0		
a. 3010	10.0		kN/m²	1007	447	251	160	111	81.6	62.4	49.2	39.7	30.4	23.4	18.4	14.0		
b. 2715	10.0	55 x 5																
c. 2450	10.0		D (mm)	0.3	0.67	1.19	1.86	2.67	3.64	4.74	6.0	7.37	8.25	9.0	9.75	10.0		
a. 3260	10.0		kN/m²	1199	530	299	191	132	97.3	74.3	58.6	47.3	39.0	30.4	23.9	18.2		
b. 2900	10.0	60 x 5																
c. 2620	10.0		D (mm)	0.27	0.61	1.09	1.71	2.44	3.34	4.35	5.49	6.76	8.17	9.0	9.75	10.0		