Lionweld Kennedy Safegrid Load Tables

Safegrid load tables type NX Plain

NX Load Bearing Bars at 21mm 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 300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	Maximum Clear Span for 1Kn concentrated load over 300 x 300 mm Clear Span	Def. mm
a. 1223	6.12		kN/m²	153	68.0	35.0	17.9	10.4	6.52	4.37								
b. 1145	5.69	20 x 3															1223	6.12
c. 1000	4.96		D (mm)	0.82	1.84	3.00	3.75	4.5	5.25	6.0								
a. 1704	8.52		kN/m²	239	107	59.5	34.9	20.2	12.8	8.54	5.99	4.37	3.28					
b. 1430	7.08	25 x 3															1704	8.52
c. 1250	6.2		D (mm)	0.66	1.48	2.61	3.75	4.50	5.25	6.00	6.75	7.5	8.25					
a. 1884	9.42		kN/m²	345	153	86	54.6	35	22	14.8	10.4	7.55	5.67	4.37				
b. 1720	8.58	30 x 3															1884	9.42
c. 1485	7.41		D (mm)	0.55	1.23	2.18	3.39	4.50	5.25	6.00	6.75	7.50	8.25	9.0				
a. 2150	10.0		kN/m²	469	208	117	74.7	51.8	35	23.4	16.4	12.0	9.01	6.94	5.46	4.16		
b. 2005	10.0	35 x 3																
c. 1750	8.68		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	10.0		
a. 2390	10.0		kN/m²	613	272	153	97.5	67.7	49.6	35	24.6	17.9	13.5	10.4	8.15	6.21		
b. 2215	10.0	40 x 3																
c. 2000	9.92		D (mm)	0.41	0.92	1.64	2.55	3.67	4.99	6.0	6.75	7.5	8.25	9.0	9.75	10.0		

NX Load Bearing Bars at 21mm 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 300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	Maximum Clear Span for 1Kn concentrated load over 300 x 300 mm Clear Span	Def. mm
a. 1575	7.87		kN/m²	255	113	58.3	29.9	17.3	10.9	7.28	5.11	3.73						
b. 1360	6.79	20 x 5															1575	7.87
c. 1185	5.87		D (mm)	0.82	1.84	3.0	3.75	4.5	5.25	6.0	6.75	7.5						
a. 1862	9.31		kN/m²	399	177	99.4	58.3	33.7	21.2	14.2	9.99	7.28	5.47	4.21				
b. 1700	8.49	25 x 5															1862	9.31
c. 1485	7.41		D (mm)	0.66	1.48	2.62	3.75	4.50	5.25	6.0	6.75	7.5	8.25	9.0				
a. 2175	10.0		kN/m²	575	255	143	91.5	58.3	36.7	24.6	17.3	12.6	9.46	7.28	5.73	4.37		
b. 2030	10.0	30 x 5																
c. 1780	8.86		D (mm)	0.55	1.23	2.18	3.41	4.5	5.25	6.0	6.75	7.5	8.25	9.0	9.75	10.0		
a. 2465	10.0		kN/m²	783	347	195	124	86.4	58.3	39.1	27.4	20.0	15.0	11.6	9.1	6.94		
b. 2275	10.0	35 x 5																
c. 2055	9.91		D (mm)	0.47	1.05	1.87	2.91	4.2	5.25	6.0	6.75	7.5	8.25	9.0	9.75	10.0		
a. 2760	10.0		kN/m²	1020	454	255	163	112	82.7	58.3	39.5	29.9	22.4	17.3	13.6	10.4		
b. 2515	10.0	40 x 5																
c. 2275	10.0		D (mm)	0.41	0.92	1.64	2.56	3.63	4.99	6.0	6.75	7.5	8.25	9.0	9.75	10.0		
a. 3055	10.0		kN/m²	1295	575	323	206	143	105	80	58.3	42.5	31.9	24.6	19.3	14.8		
b. 2750	10.0	45 x 5																
c. 2785	10.0		D (mm)	0.37	0.82	1.46	2.27	3.27	4.44	5.78	6.75	7.5	8.25	9.0	9.75	10.0		
a. 3360	10.0		kN/m²	1590	710	398	255	177	129	99	78	58.3	43.8	33.7	26.5	20.2		
b. 2975	10.0	50 x 5																
c. 2690	10.0		D (mm)	0.33	0.74	1.31	2.05	2.94	3.98	5.22	6.58	7.5	8.25	9.0	9.75	10.0		
a. 3660	10.0		kN/m²	1930	858	482	308	214	157	120	94.5	76.3	58.3	44.9	35.3	26.9		
b. 3195	10.0	55 x 5																
c. 2890	10.0		D (mm)	0.3	0.67	1.19	1.86	2.68	3.63	4.73	5.99	7.37	8.25	9.0	9.75	10.0		
a. 3960	10.0		kN/m²	2300	1021	574	367	254	187	143	113	90.8	75	58.3	45.9	35		
b. 3410	10.0	60 x 5																
c. 3080	10.0		D (mm)	0.27	0.62	1.09	1.71	2.45	3.33	4.34	5.49	6.76	8.17	9.0	9.75	10.0		