

safelock – type N



max clear span for pedestrian loadings (mm)	def (mm)	L.B.B. size (mm)	'N' load bars at 30mm centres														Self Colour Weights per square metre (kgs)	Binding Bar Weight (based on 2 x 1m) (kgs)		
			clear span (mm)																	
			300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100					
a. 940	4.7	25 x 3	kN/m ²	40.52	18.01	10.13	5.91	3.42											23.09	1.178
b. 793	4.0		D (mm)	0.66	1.48	2.63	3.75	4.50												
c. 693	3.5																			
a. 1243	6.2	30 x 3	kN/m ²	78.11	34.72	19.53	12.50	7.91	4.98	3.34									27.09	1.413
b. 1049	5.2		D (mm)	0.55	1.23	2.20	3.43	4.50	5.25	6.00										
c. 916	4.6																			
a. 1546	7.7	35 x 3	kN/m ²	128.86	57.27	32.22	20.62	14.32	9.58	6.42	4.51	3.29							31.10	1.640
b. 1304	6.5		D (mm)	0.47	1.06	1.88	2.94	4.23	5.25	6.00	6.75	7.50								
c. 1139	5.7																			
a. 1850	9.2	40 x 3	kN/m ²	192.93	85.75	48.23	30.87	21.44	15.75	10.99	7.72	5.63	4.23	3.26					35.10	1.884
b. 1560	7.8		D (mm)	0.41	0.93	1.65	2.57	3.70	5.04	6.00	6.75	7.50	8.25	9.00						
c. 1363	6.8																			

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			clear span (mm)																	
			300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100					
a. 1114	5.6	25 x 5	kN/m ²	67.53	30.01	16.88	9.84	5.70	3.59										35.19	1.963
b. 940	4.7		D (mm)	0.66	1.48	2.63	3.75	4.50	5.25											
c. 821	4.1																			
a. 1474	7.4	30 x 5	kN/m ²	130.18	57.86	32.55	20.83	13.18	8.30	5.56	3.90								41.87	2.355
b. 1243	6.2		D (mm)	0.55	1.23	2.20	3.43	4.50	5.25	6.00	6.75									
c. 1086	5.4																			
a. 1834	9.2	35 x 5	kN/m ²	214.77	95.45	53.69	34.36	23.86	15.97	10.70	7.52	5.48	4.12	3.17					48.54	2.748
b. 1546	7.7		D (mm)	0.47	1.06	1.88	2.94	4.23	5.25	6.00	6.75	7.50	8.25	9.00						
c. 1351	6.8																			
a. 2143	10.0	40 x 5	kN/m ²	321.56	142.91	80.39	51.45	35.73	26.25	18.31	12.86	9.38	7.04	5.43	4.27	3.25			55.21	3.140
b. 1850	9.2		D (mm)	0.41	0.93	1.65	2.57	3.70	5.04	6.00	6.75	7.50	8.25	9.00	9.75	10.0				
c. 1616	8.1																			
a. 2402	10.0	45 x 5	kN/m ²	450.70	200.31	112.68	72.11	50.08	36.79	28.17	20.28	14.78	11.11	8.56	6.73	5.13			61.88	3.533
b. 2114	10.0		D (mm)	0.37	0.82	1.46	2.29	3.29	4.48	5.85	6.75	7.50	8.25	9.00	9.75	10.0				
c. 1881	9.4																			
a. 2651	10.0	50 x 5	kN/m ²	602.30	267.69	150.57	96.37	66.92	49.17	37.64	29.74	21.95	16.49	12.70	9.99	7.62			68.56	3.925
b. 2333	10.0		D (mm)	0.33	0.74	1.32	2.06	2.96	4.03	5.27	6.67	7.50	8.25	9.00	9.75	10.0				
c. 2108	10.0																			

Safe uniformly distributed loads (U.D.L.) in kilonewtons per square metre on simply supported panels with deflections (δ) in mm. Based on a working stress of 180 N/mm². Loads shown in the white area have been reduced to keep the deflections within 1/200th of the clear span or 10mm whichever is the lesser.

- a** – Light Duty 3 kN/m² described as access limited to one person only
- b** – General Duty 5 kN/m² described as regular two way pedestrian traffic
- c** – Heavy Duty 7.5 kN/m² described as high density pedestrian traffic

Load Table Designs allow for a 1kN load over a 300mm x 300mm area in accordance with BS 4592-0:2006
Weights shown are for transverse bars at 100mm centres. For 50mm centres add 5.8kg per M²