

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.1050	3.41	20 x 3	kN/m <sup>2</sup>	108	48.0	24.7	12.6	7.3											36.06	0.86
b.1020	5.06		D (mm)	0.82	1.84	2.99	3.72	4.47												
c. 890	4.40																			
a.1450	6.34	25 x 3	kN/m <sup>2</sup>	169	75.0	42.0	24.7	14.3	9.01	6.05	4.24								39.50	1.08
b.1275	6.32		D (mm)	0.65	1.47	2.60	3.74	4.49	5.25	6.00	6.75									
c.1110	5.45																			
a.1815	9.01	30 x 3	kN/m <sup>2</sup>	243	108	60.7	38.5	24.7	15.6	10.5	7.34	5.35	4.02						43.24	1.30
b.1535	7.68		D (mm)	0.54	1.23	2.18	3.37	4.50	5.25	6.00	6.75	7.50	8.25							
c.1340	6.69																			
a.1980	9.90	35 x 3	kN/m <sup>2</sup>	332	147	82.9	53.0	36.7	24.8	16.6	11.7	8.50	6.38	4.91	3.86				46.64	1.50
b.1790	8.95		D (mm)	0.47	1.05	1.87	2.92	4.20	5.25	6.00	6.75	7.50	8.25	9.00	9.75					
c.1560	7.74																			
a.2190	10.0	40 x 3	kN/m <sup>2</sup>	434	193	108	69.0	48.0	35.0	24.8	17.4	12.7	9.53	7.34	5.77	4.40			50.38	1.72
b.2030	9.91		D (mm)	0.41	0.92	1.63	2.55	3.68	4.97	6.00	6.75	7.50	8.25	9.00	9.75	10.0				
c.1780	8.79																			

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			clear span (mm)																	
			300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100					
a.1350	5.58	20 x 5	kN/m <sup>2</sup>	181	80.0	41.3	21.1	12.2	7.70	5.10									46.64	1.50
b.1210	6.01		D (mm)	0.82	1.84	3.00	3.75	4.49	5.25	6.00										
c.1055	5.21																			
a.1790	8.84	25 x 5	kN/m <sup>2</sup>	282	125	70.0	41.2	23.9	15.1	10.1	7.08	5.16	3.88						52.80	1.86
b.1510	7.46		D (mm)	0.66	1.47	2.60	3.74	4.50	5.25	6.00	6.75	7.50	8.25							
c.1320	6.53																			
a.2010	10.0	30 x 5	kN/m <sup>2</sup>	405	180	101	64.5	41.3	26.0	17.4	12.2	8.92	6.70	5.16	4.60				59.22	2.24
b.1815	9.01		D (mm)	0.54	1.23	2.17	3.39	4.50	5.25	6.00	6.75	7.50	8.25	9.00	9.75					
c.1580	7.76																			
a.2260	10.0	35 x 5	kN/m <sup>2</sup>	554	246	138	88.3	61.2	41.3	27.7	19.4	14.2	10.6	8.19	6.44	4.91			65.34	2.60
b.2090	10.0		D (mm)	0.47	1.05	1.87	2.92	4.20	5.25	6.00	6.75	7.50	8.25	9.00	9.75	10.0				
c.1850	9.19																			
a.2520	10.0	40 x 5	kN/m <sup>2</sup>	722	311	180	115	80.0	58.6	41.3	29.0	21.1	15.9	12.2	9.62	7.33			71.80	2.98
b.2310	10.0		D (mm)	0.41	0.89	1.63	2.55	3.68	4.99	6.00	6.75	7.50	8.25	9.00	9.75	10.0				
c.2080	9.83																			
a.2790	10.0	45 x 5	kN/m <sup>2</sup>	917	405	228	146	101	74.0	55.0	41.3	30.1	22.6	17.4	13.7	10.5			78.26	3.36
b.2525	10.0		D (mm)	0.37	0.82	1.45	2.27	3.26	4.43	5.61	6.75	7.50	8.25	9.00	9.75	10.0				
c.2280	10.0																			
a.3050	10.0	50 x 5	kN/m <sup>2</sup>	1130	503	282	180	125	91.0	70.0	55.2	41.2	31.0	23.9	18.8	14.3			84.38	3.72
b.2730	10.0		D (mm)	0.33	0.74	1.31	2.04	2.94	3.97	5.21	6.58	7.50	8.25	9.00	9.75	10.0				
c.2760	10.0																			
a.3550	10.0	60 x 5	kN/m <sup>2</sup>	1630	718	407	260	180	132	101	79.5	64.4	53.1	41.3	32.5	24.8			97.30	4.48
b.3130	10.0		D (mm)	0.27	0.61	1.09	1.71	2.46	3.34	4.35	5.48	6.77	8.17	9.00	9.75	10.0				
c.2830	10.0																			

Safe uniformly distributed loads (U.D.L.) in kilonewtons per square metre on simply supported panels with deflections ( $\delta$ ) in mm. Based on a working stress of 180 N/mm<sup>2</sup>. 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. **Please contact Lionweld Kennedy sales team for Serrated Load Tables.**

**a** – Light Duty 3 kN/m<sup>2</sup> described as access limited to one person only

**b** – General Duty 5 kN/m<sup>2</sup> described as regular two way pedestrian traffic

**c** – Heavy Duty 7.5 kN/m<sup>2</sup> 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 2.4kg per M<sup>2</sup>