

## LOAD TABLES

DIMENSION	WEIGHT / UNBANDED / M2 (kgs)	LOAD	50/50   50/100 opening								
			BEARER BAR SPAN (mm)								
			500	750	1000	1250	1500	1750	2000	2400	
25 x 4.5	26.3	C	1294	857	648	370	253				
		U	5186	2301	977	497	265				
30 x 4.5	29.9	C	1869	1243	934	746	444	316			
		U	7457	3317	1697	870	459	290			
40 x 4.5	37.2	C	3321	2211	1659	1327	1106	748	576	330	
		U	13273	5897	3317	2121	1089	686	453	206	
50 x 4.5	44.6	C	5184	3456	2595	2070	1728	1481	1119	555	
		U	20734	9216	5184	3317	2304	1337	879	348	
40 x 4.5	39.6	C	3752	2500	1875	1548	1290	873	672	345	
		U	15000	6665	3749	2475	1270	800	528	216	
50 x 4.5	48.3	C	5859	3906	3027	2415	2016	1728	1305	645	
		U	23434	10415	6048	3870	2688	1560	1025	405	
60 x 4.5	58.3	C	8650	5790	4342	3484	2903	2488	2179	1110	
		U	34740	15440	8685	5574	3871	2844	2178	697	
60 x 5.5	73.5	C	10575	7050	5288	4230	3525	3022	2880	1475	
		U	42305	18800	10575	6769	4700	3445	2305	945	
80 x 4.5	78	C	15380	10255	7690	6150	5128	4395	5594	2864	
		U	61530	27350	15380	9845	6835	5023	4475	1832	
80 x 6.0	92.1	C	18923	12615	9462	7570	6307	5407	4733	2018	
		U	75696	33643	18922	12111	8410	6180	4732	3216	
100 x 6.0	113.1	C	29568	19712	14784	11827	9854	8448	7392	5677	
		U	118272	52565	29568	18924	13142	9655	7391	3944	



For load bearing of 100/50 and 100/100 opening, half of the mass loadings above apply

DIMENSION	WEIGHT UNBANDED / M2 (kgs)	LOAD	44.5/40   44.5/50   44.5/100 opening								
			BEARER BAR SPAN (mm)								
			500	750	1000	1250	1500	1750	2000	2400	
25 x 4.5	27.6	C	1464	973	756	432	295				
		U	5860	2564	1140	580	309				
30 x 4.5	31.8	C	2110	1406	1090	870	518	369			
		U	8432	3749	1980	1015	535	338			
40 x 4.5	39.6	C	3752	2500	1875	1548	1290	873	672	345	
		U	15000	6665	3749	2475	1270	800	528	216	
50 x 4.5	48.3	C	5859	3906	3027	2415	2016	1728	1305	645	
		U	23434	10415	6048	3870	2688	1560	1025	405	
60 x 4.5	58.3	C	8650	5790	4342	3484	2903	2488	2179	1110	
		U	34740	15440	8685	5574	3871	2844	2178	697	
60 x 5.5	73.5	C	10575	7050	5288	4230	3525	3022	2880	1475	
		U	42305	18800	10575	6769	4700	3445	2305	945	
80 x 4.5	78	C	15380	10255	7690	6150	5128	4395	5594	2864	
		U	61530	27350	15380	9845	6835	5023	4475	1832	
80 x 6.0	92.1	C	18923	12615	9462	7570	6307	5407	4733	2018	
		U	75696	33643	18922	12111	8410	6180	4732	3216	
100 x 6.0	113.1	C	29568	19712	14784	11827	9854	8448	7392	5677	
		U	118272	52565	29568	18924	13142	9655	7391	3944	



For load bearing of 89/40 | 89/50 | 89/80 and 89/100, half of the mass loadings above apply

DIMENSION	WEIGHT UNBANDED / M2 (kgs)	LOAD	40/40   80/40 opening								
			BEARER BAR SPAN (mm)								
			500	750	1000	1250	1500	1750	2000	2400	
25 x 4.5	29.5	C	1577	1051	717	459	319				
		U	6307	2718	1147	587	340				
30 x 4.5	33.9	C	2271	1514	1135	793	550	404			
		U	9083	4037	1982	1015	587	370			
40 x 4.5	42.2	C	4037	2691	2018	1615	1305	959	734	376	
		U	16147	7176	4037	2405	1392	876	587	240	
50 x 4.5	51.3	C	6307	4205	3154	2523	2102	1802	1433	734	
		U	25229	11213	6307	4037	2718	1712	1147	470	
60 x 4.5	60.5	C	9083	6055	4541	3633	3028	2595	2477	1268	
		U	36330	16147	9083	5813	4037	2958	1982	812	



For load bearing of 80/40 and 80/80 opening, half of the mass loadings above apply

**IMPORTANT NOTES:**



LOAD: U = kg/m<sup>2</sup>, maximum allowable unfactored uniformly distributed loading for that stated span



LOAD: C = kg/m, maximum allowable unfactored centre line load per metre



For serrated grating, reduce tabulated allowable loads by 10% and maximum span per load category by 3.5%



All table loadings to be taken as nominal and should not be used as guaranteed values



Galvanising will increase stated mass per square metre by approximately 10%



Banding will increase mass by approximately 6% depending on grating configuration