



# Precast concrete lintels

## COMPOSITE lintel maximum uniformly distributed load for clear spans kg/m

Section w%h	No of courses	0.60 m	0.75 m	0.90 m	1.05 m	1.20 m	1.35 m	1.50 m	1.65 m	1.80 m	1.95 m	2.10 m	2.25 m	2.40 m	2.55 m	2.70 m	2.85 m
100%65 mm	2	2033	1407	1029	785	617	497	408	340	288	246	212	185	162	143	127	113
	5	2743	1900	1392	1062	836	674	554	463	392	336	291	254	223	197	175	156
	8	4166	2889	2118	1618	1275	1030	849	711	603	516	449	393	347	308	274	246
150%65 mm	2	2168	1498	1094	833	653	524	430	357	301	257	221	191	166	146	129	–
	5	4002	2773	2030	1550	1219	983	809	676	572	490	424	370	325	288	256	–
	8	5837	4046	2967	2266	1785	1442	1188	994	844	725	628	549	484	429	383	–
220%65 mm	2	2377	1639	1193	904	706	565	459	380	317	269	228	196	169	147	127	–
	5	5940	4115	3015	2300	1811	1460	1201	1004	851	729	631	560	484	428	381	–
	8	8195	5679	4161	3177	2501	2019	1661	1389	1178	1010	875	764	672	596	530	–

The self-weight of the lintel has been allowed for in the calculations

Section w%h (mm)	100%65	150%65	220%65
Weight/linear metre	15.5kg	23.3kg	34.2kg

The table above is for safe working, uniformly distributed loads applied to the composite construction in kg/metre run of span exclusive of self weight of brickwork within the construction, but including the weight of the lintel. The design is based on the brickwork having a limiting crushing strength of 10.4 N/mm<sup>2</sup>.

## NON-COMPOSITE lintel maximum uniformly distributed load for clear spans kg/m

Section w%h	0.75 m	0.90 m	1.05 m	1.20 m	1.35 m	1.50 m	1.65 m	1.80 m	1.96 m	2.10 m	2.25 m	2.40 m	2.55 m	2.70 m	2.85 m	3.00 m	3.15 m	3.30 m	3.75 m	4.05 m
150%100 mm	2381	1739	1282	1006	808	662	551	464	395	340	295	257	226	199	176	157	140	125	–	–
100%150 mm	3590	2628	1880	1480	1191	976	816	691	638	511	458	390	344	302	272	244	219	198	–	–
140%150 mm	–	–	3564	2806	2263	1862	1557	1319	1131	979	855	751	665	592	529	476	429	389	–	–
100%215 mm	–	–	–	–	2952	2694	2413	2140	1882	1624	1402	1202	1122	1004	856	812	723	664	517	423

The self-weight of the lintel has been allowed for in the calculations

Section w%h (mm)	150%100	140%150	100%215
Weight/linear metre	35.9kg	50.3kg	51.4kg

The table above is for safe working, uniformly distributed loads applied to the non-composite lintels in kg/metre run of span inclusive of the weight of the lintel.

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**STOWELL**  
CONCRETE LIMITED

Arnolds Way, Yatton, Bristol BS49 4QN  
also at Holcombe, Cheddar & Weston-s-Mare  
Tel: 01934 834000 Fax: 01934 835474  
[www.stowellconcrete.co.uk](http://www.stowellconcrete.co.uk)

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