

6" x 4" Precast Concrete Lintels

Nominal Length			Ultimate Load Capacity ¹		Safe Load Capacity ²		Weight of 45° block wall above ³ (kN)	Capacity for Floor & Roof Loads	
ft'	in"	m	Load kN	UDL kN/m	Load kN	UDL kN/m		kN	kN/m
3	0	0.914	14.91	24.3	6.63	10.8	0.30	6.32	8.27
3	6	1.067	18.61	24.3	8.27	10.8	0.47	7.80	8.50
4	0	1.219	22.31	24.3	9.91	10.8	0.68	9.23	8.63
4	6	1.372	26.00	24.3	11.56	10.8	0.93	10.63	8.70
5	0	1.524	29.70	24.3	13.20	10.8	1.21	11.99	8.73
5	6	1.676	33.40	24.3	14.84	10.8	1.53	13.31	8.72
6	0	1.829	33.80	22.1	15.02	9.8	1.89	13.13	7.82
6	6	1.981	31.68	18.8	14.08	8.4	2.28	11.80	6.44
7	0	2.134	29.56	16.1	13.14	7.2	2.72	10.42	5.25
7	6	2.286	27.44	13.8	12.19	6.1	3.19	9.01	4.22
8	0	2.438	25.32	11.8	11.25	5.3	3.69	7.56	3.30
8	6	2.591	23.20	10.1	10.31	4.5	4.24	6.07	2.49
9	0	2.743	20.55	8.4	9.14	3.7	4.82	4.31	1.66
9	6	2.896	17.91	6.9	7.96	3.1	5.44	2.52	0.92
10	0	3.048	15.27	5.6	6.79	2.5	6.10	0.69	0.24
10	6	3.200	12.63	4.4	5.61	1.9	6.79	-1.18	-0.39

9" x 4" Precast Concrete Lintels

Nominal Length			Ultimate Load Capacity ¹		Safe Load Capacity ²		Weight of 45° block wall above ³ (kN)	Capacity for Floor & Roof Loads	
ft'	in"	m	Load kN	UDL kN/m	Load kN	UDL kN/m		kN	kN/m
3	0	0.914	53.36	86.8	23.72	38.6	0.30	23.41	30.63
3	6	1.067	66.60	86.8	29.60	38.6	0.47	29.12	31.77
4	0	1.219	79.83	86.8	35.48	38.6	0.68	34.80	32.55
4	6	1.372	93.07	86.8	41.36	38.6	0.93	40.44	33.10
5	0	1.524	93.47	76.4	41.54	33.9	1.21	40.33	29.35
5	6	1.676	89.17	64.8	39.63	28.8	1.53	38.10	24.96
6	0	1.829	84.88	55.5	37.72	24.7	1.89	35.84	21.35
6	6	1.981	80.59	47.9	35.82	21.3	2.28	33.53	18.31
7	0	2.134	76.29	41.6	33.91	18.5	2.72	31.19	15.73
7	6	2.286	72.00	36.3	32.00	16.1	3.19	28.81	13.49
8	0	2.438	58.89	27.5	26.17	12.2	3.69	22.48	9.82
8	6	2.591	56.03	24.5	24.90	10.9	4.24	20.66	8.47
9	0	2.743	53.17	21.8	23.63	9.7	4.82	18.81	7.25
9	6	2.896	50.32	19.4	22.36	8.6	5.44	16.92	6.16
10	0	3.048	47.46	17.3	21.09	7.7	6.10	14.99	5.17
10	6	3.200	44.60	15.4	19.82	6.8	6.79	13.03	4.27
11	0	3.353	42.79	14.0	19.02	6.2	7.53	11.49	3.59
11	6	3.505	40.99	12.8	18.22	5.7	8.30	9.92	2.96
12	0	3.658	39.18	11.7	17.41	5.2	9.11	8.31	2.37
12	6	3.810	37.37	10.6	16.61	4.7	9.95	6.66	1.82

1. Ultimate load bearing capacity has been established via independent testing by a notified body in accordance with EN 845-2 and EN 846-9.
2. A global safety factor of 2.25 has been used in accordance with the National Annex of BS EN 845-2
3. The weight of blockwork has been calculated in accordance with BS 5977-1:1981 assuming basic loading arrangement - ie. no additional loads within the interaction zone. The load allows for 100mm blockwork with 13mm of render on both faces. Loads are for indicative purposes only and appropriate lintel selection and load calculation is the responsibility of the client.
4. The self-weight of the lintel has been deducted from the load capacity.
5. The bearings for the lintels shall not be less than 150mm.
6. Lintels should be installed in accordance with the following standards;
 - EN 845-2 - Specification for ancillary components for masonry
 - BS 5628 - The use of masonry Part 3 Materials and components, design and workmanship
 - IS 326 - Code of practice for the use of masonry Part 2 Masonry construction
7. Lintels not to be left exposed.