ROBESLEE CONCRETE

COMPOSITE LINTELS

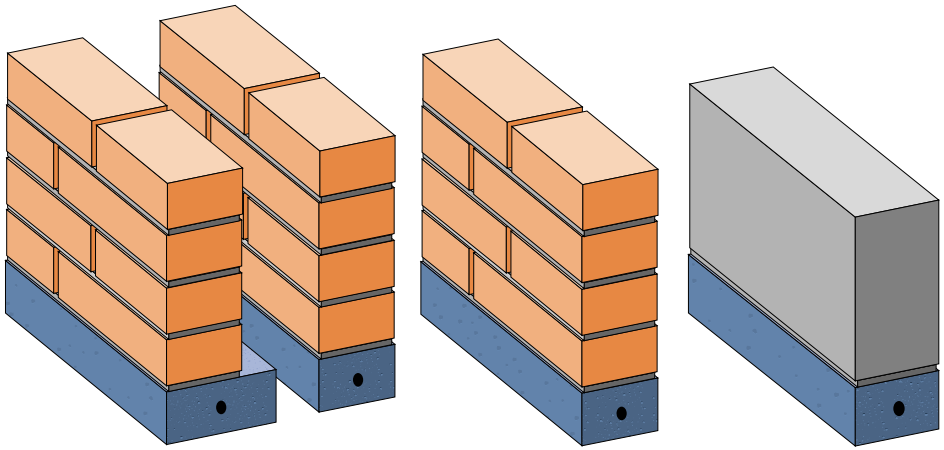
TYPE A *(100 X 70mm)*	*Permissable U.D.L. in kN/m per layer of brickwork*								*50m/ton*
CLEAR SPAN (mm)	600	900	1200	1500	1800	2100	2400	2800	3100
Without Brickwork	9.00	6.37	3.86	2.58	1.85	1.39	1.08	-	-
1 Layer of Brickwork	10.50	9.00	7.01	5.00	2.75	1.62	1.31	-	-
2 Layers	12.00	10.21	10.21	8.00	4.38	2.75	1.46	1.35	1.31
3 Layers	16.25	16.25	16.25	9.37	5.75	4.44	2.50	2.25	2.00
5 Layers	30.00	30.00	30.00	15.37	12.00	8.00	4.75	4.50	4.25

TYPE B *(150 X 70mm)*	*Permissable U.D.L. in kN/m per layer of brickwork*								*36m/ton*
CLEAR SPAN (mm)	600	900	1200	1500	1800	2100	2400	2800	3100
Without Brickwork	10.00	7.24	4.49	3.01	2.15	1.62	1.26	-	-
1 Layer of Brickwork	13.61	13.61	9.26	6.50	3.02	2.31	1.81	-	-
2 Layers	28.00	28.00	10.26	8.25	5.00	3.30	2.78	1.71	1.44
3 Layers	29.50	29.50	25.00	10.00	6.00	4.66	3.98	2.60	2.19
5 Layers	32.00	32.00	30.00	16.50	13.00	9.15	8.00	5.00	4.75

COMPOSITE LINTELS

TYPE A *(100 X 70mm)* **TYPE B** *(150 X 70mm)*

Supporting Brickwork or Blockwork Courses (including cavity walls)



Lintel Arrangement For Cavity Wall

Lintel In Single Wall

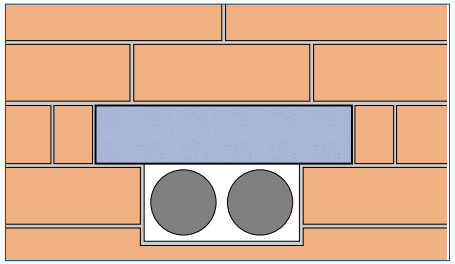
Lintel Blockwork

Composite lintels, Type A and Type B, are best used in conjunction with brickwork or blockwork

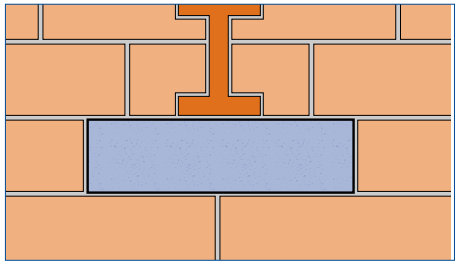
- *see tables for loadbearing capacities.*

1. It is essential that the first two layers of brickwork, or one layer of blockwork, are laid with special care and that the mortar joints both vertical and horizontal are properly filled, leaving no voids. (1:3 cement, sand mortar is recommended).
2. Building blocks may be used if they are solid and have a minimum crushing strength of 3.0N/mm$^{2.}$
3. In lintels over 1.500m props must be used at the quarter points until mortarwork has matured.
4. Where a D.P.C. is used it must be placed over the second layer of the blockwork - *see sketch detail.*
5. Minimum bearing of 150mm each side, or as directed by the structural engineer.

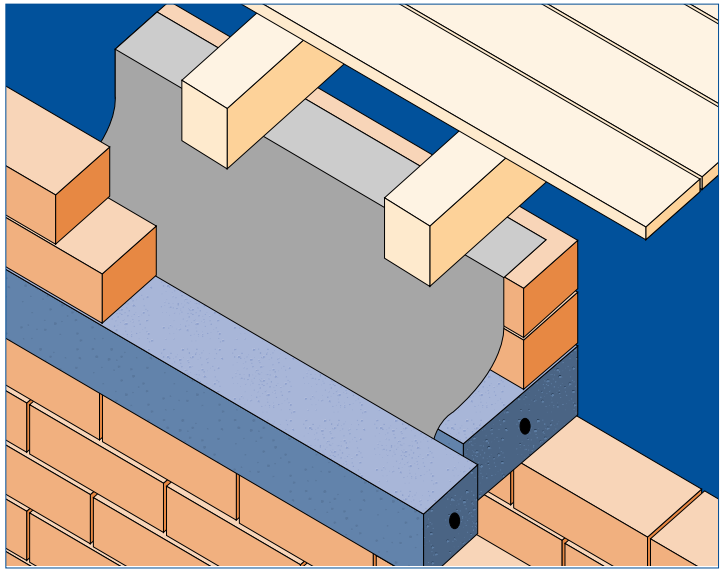
Robeslee Prestressed Lintels are suitable for all applications in modern and Traditional Building Methods:



Pipes and Services



Padstones (RSJ or UB)



Typical Cavity Wall Detail