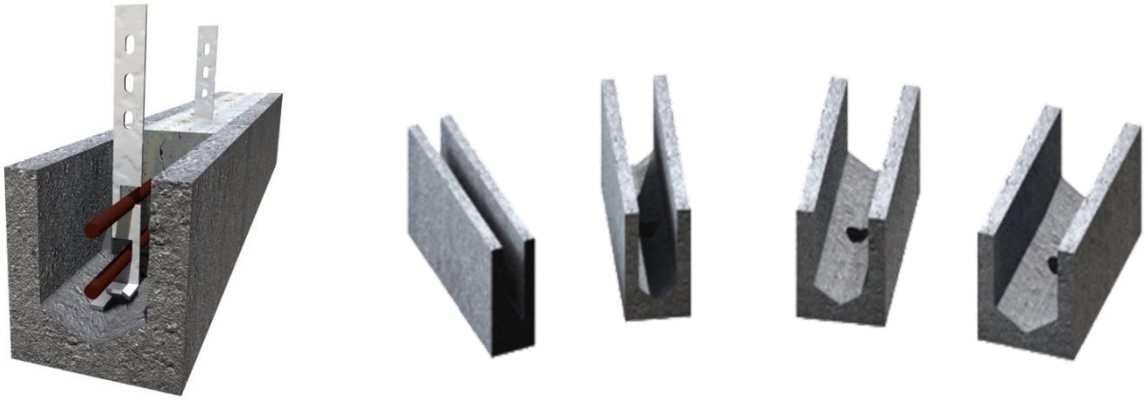
Wi TROUGH LINTEL© LOAD TABLES

The Wi Trough Lintels© are designed to replace traditional concrete and steel lintels. Our Trough Lintels are simply formed as part of the blockwork panel construction and thereby eliminate all hazardous lifting operations associated with traditional lintels.



Wi Trough Lintel
UDL Safe Load

Wi Trough Lintel		ULS Moment	ULS Shear	Safe UDL in kN/m for span (mm)							
Width	Depth	(kNm)	(kN)	600	900	1200	1500	1800	2100	2400	3000
100	215	14.0	14.0	26.2	17.2	12.7	10.5	8.2	7.2	6.3	4.9
140	215	17.0	21.0	39.9	26.2	19.9	15.7	13.1	11.0	9.4	7.3
190	215	20.0	24.0	45.6	29.9	22.8	17.0	14.2	12.1	10.7	8.5
215	215	20.0	25.0	46.7	30.6	22.6	17.7	15.3	12.9	11.2	8.0

Wi Trough Lintel
Safe Height of Blockwork

Wi Trough Lintel		ULS Moment	ULS Shear	Safe non-loadbearing blockwork height above lintel (m) (see also note 1 below)							
Width	Depth	(kNm)	(kN)	600	900	1200	1500	1800	2100	2400	3000
100	215	14.0	14.0	17.5	11.5	8.5	7.0	5.5	4.8	4.2	3.2
140	215	17.0	21.0	19.0	12.5	9.5	7.5	6.2	5.2	4.5	3.5
190	215	20.0	24.0	16.0	10.5	8.0	6.0	5.0	4.2	3.7	3.0
215	215	20.0	25.0	14.5	9.5	7.0	5.5	4.7	4.0	3.5	2.5

NOTES

1. The height of blockwork relates to the maximum load that can be supported by the lintel, assuming 1500kg/m^3 density blocks. However, this DOES NOT denote the maximum allowable height of blockwork. If the conditions of BS 5977-1:1981 Lintels, are satisfied, then there is NO limit to the height of blockwork that can be constructed above the lintel.
2. Minimum bearing length for Wi Trough Lintels is 225mm.
3. All Wi Trough Lintels are 4hr fire rated.

Contact us for more information

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