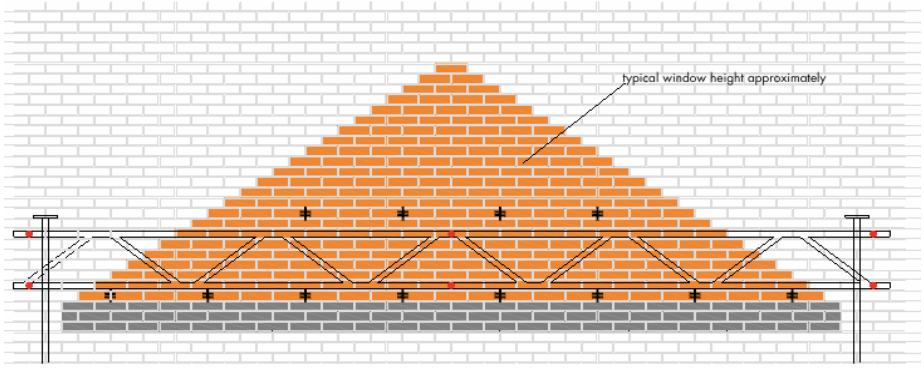
Designed to stabilise the lateral strength of a structure and to provide clear fitting/working access upon the external fitting side. Used upon openings from 3,200mm to 5,400mm when using a suitable sized aluminium scaffold beam (either 4m, 5m or 6m), Min 600mm longer than the opening.



5400mm opening (24 brick)
Brick wall - Stretcher Bond

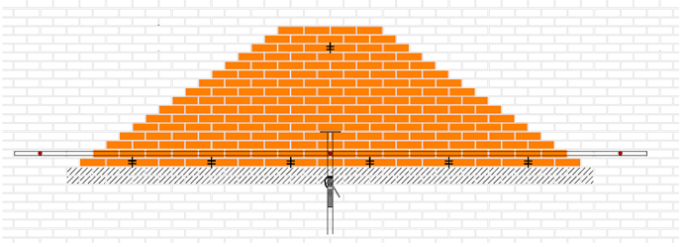
To be read in-conjunction with the Brick Brace instruction and guidance leaflets

Mark out the exact position, height, and length of the opening onto the wall. For the position of couplers that fix the aluminium beam; measure & mark for six pilot holes, two at a minimum of 150mm past both sides of the permanent support opening and one central at a height of 120mm above the proposed opening. For the fixing of the top tube drill three further pilot holes 400mm directly above the lower three.

At both ends fit suitable sized Acrow props and connect top and bottom tubes of the Beam onto the inner tube of the Acrow props using band plates or single couplers. Place the provided hooks over & onto the lower tube directly to the left side of the required joints.

Important; Do not remove any perp joints until knowing that all hooks can be fitted at the specified joints due to the occasional obstruction of the welded angled latices of the aluminium beam, reducing the distance between tools when required. Brick Brace safety tools are fitted within the course directly above the proposed opening at a maximum of 3 brick apart in a cement mortar mix and a maximum 2.5 brick apart in a weak or lime mortar mix.

Further Option; Create openings up to 4,500mm using one Acrow prop fitted central and clipped to the horizontal scaffolding tube with a band plate single coupler.



Upon Openings over 5,400mm; we recommend also using the Brick Brace safety system in conjunction with normal scaffold tube with sleeves and props and needles, this supports the un-held brickwork in-between props for a safer fitting/working area.

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MASONRY WEIGHT AWARENESS CHART

Opening Width In mm Approx	Opening Width In Brick Length	Stretcher Bond Brick 4" Amount	Stretcher Bond Brick 4" in Kg	Flemish Bond Brick 9" Amount	Flemish Bond Brick 9" in Kg	Cavity Brick/Block L/Weight 7Kn In Kg	Storey Height Brick 9" In Kg
900	4	10	50	20	100	80	1296
1125	5	15	75	22	110	120	1620
1350	6	21	105	34	170	165	1944
1575	7	28	140	49	245	220	2268
1800	8	36	180	51	255	280	2592
2025	9	45	225	67	335	350	2916
2250	10	55	275	90	450	425	3240
2475	11	66	330	92	460	510	3564
2700	12	78	390	116	580	600	3888
2925	13	91	455	143	715	700	4212
3150	14	105	525	145	725	805	4536
3375	15	120	600	172	860	920	4860
3600	16	136	680	202	1010	1040	5184
3825	17	153	765	204	1020	1165	5508
4050	18	171	855	240	1200	1305	5832
4275	19	190	950	279	1395	1450	6156
4500	20	210	1050	281	1405	1600	6480
4725	21	231	1155	323	1615	1755	6804
4950	22	253	1265	368	1840	1925	7128
5175	23	276	1380	370	1850	2120	7452
5400	24	300	1500	418	2090	2280	7776
5625	25	325	1625	469	2345	2470	8100
5850	26	351	1755	471	2355	2665	8424
6075	27	378	1890	525	2625	2870	8748
6300	28	406	2030	582	2910	3080	9072
6525	29	435	2175	584	2920	3300	9396
6750	30	465	2325	644	3220	3525	9720
6975	31	496	2480	707	3535	3760	10044
7200	32	528	2640	709	3545	4000	10368
7425	33	561	2805	775	3875	4250	10692
7650	34	595	2975	844	4220	4505	11016
7875	35	630	3150	846	4230	4770	11340
8100	36	666	3330	918	4590	5040	11664

1st Column: Width of opening in mm. 2nd Column: Width of opening in brick lengths.

3rd: Number of bricks in a full triangle of masonry above an opening of 102mm brickwork Stretcher bond when a load-point is intact.

4th: Total weight in Kg of brickwork above an opening in a full triangle of masonry within 102mm brickwork Stretcher bond.

5th: Number of bricks in a full triangle of masonry above an opening of 215mm Flemish bond when a load-point is intact.

6th: Total weight of a full triangle of masonry above an opening within 215mm Flemish bond.

7th: Total weight of a full triangle above an opening within a cavity wall, Brickwork, and lightweight block work.

8th: Total weight of 215mm brickwork above an opening in a typical 2.4m Storey height in any brickwork bond, half the weight for 102mm brickwork; add 50% for 13" brickwork.

The Brick Brace weight chart is designed to provide awareness of the difference of the weight of masonry without a load-point and when a load point is intact.

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