NEW

WINCRO ULTIMA

STANDARD MASONRY SUPPORT SYSTEM

Fast, fully adjustable alternative to welded support systems from Stock

Wincro *Ultima* is a patented front-loading masonry support system, designed to support an outer leaf of masonry cladding.

As an off-the-shelf system, Ultima's simplicity and versatility means that the brackets and angles can be universally applied for all applications up to a maximum load of 14kN/m (typically 7m height of brickwork) and can accommodate cavities ranging from 50 to 150mm.

Brackets and angles are interchangeable, can be easily moved around site and the system requires no setting out or detailed layouts.

Suitable for concrete and steel framed structures, Wincro *Ultima* it is cost-effective, convenient and easy to install.

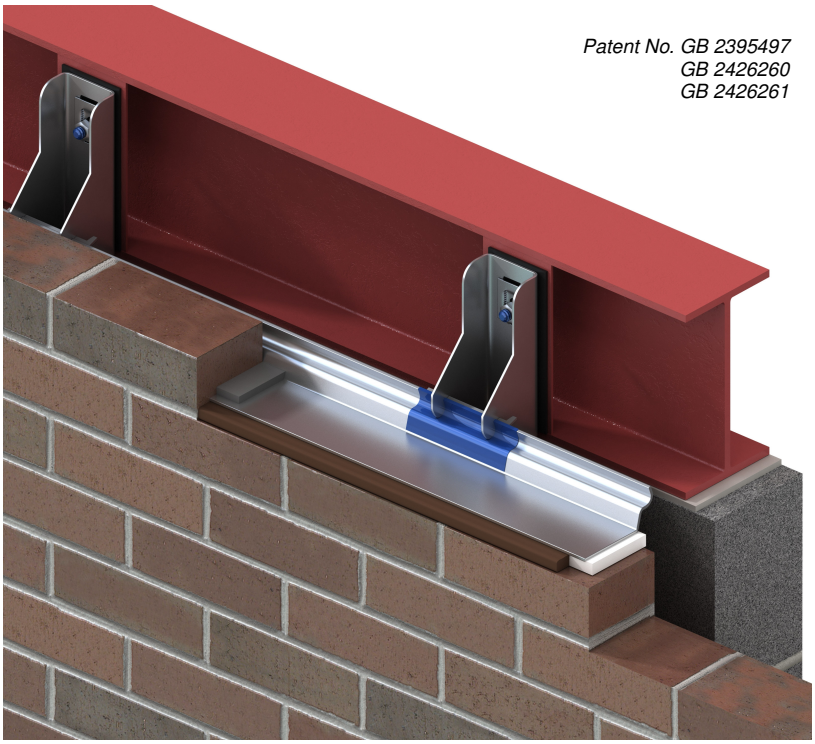
Fully adjustable

Wincro *Ultima* provides greater on-site adjustment compared with 'traditional' welded systems.

Brackets can be simply changed on site to suit cavity variances between the structure and brickwork.

Vertical adjustment of +/- 26mm is provided by the patented Wincroslot within the brackets. Horizontal adjustment is provided within the coloured angle 'fixing zone' to accommodate predrilled holes in steelwork or clashes with reinforcing bar in concrete frames.

Wincro *Ultima* is manufactured from high quality Stainless Steel 1.4301 (T304).



Patent No. GB 2395497
GB 2426260
GB 2426261

- **Suits wide range of cavities**
- **Supplied from stock**
- **Easily adjusted to suit 'as-built' situation**
- **Greater on-site adjustment**
- **No detailed drawings required**

Front Loading

Other products in the WINCRO range:

Windposts	**Ties & Restraints**
Channels	**Lintels**
Masonry Support	**Fixings**
Masonry Reinforcement	

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WINCRO

WINCRO *Ultima* Standard Masonry Support System

Selection
Specifying and selecting Wincro *Ultima* is **simple**. The system consists of standard components, all available from stock, and can be selected using the tables below. Various types of fixings can be used with the systems.

Wincro *Ultima* brackets are readily available to suit cavities from 50mm to 150mm, in 5mm increments. Two locking pins are supplied with each bracket to ensure the correct contact is achieved between angle and bracket.

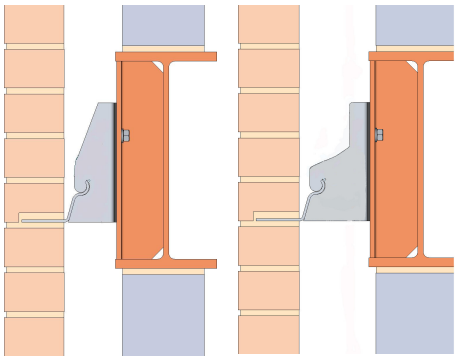
System	Maximum Load (1) kN/m	Angle Lengths mm	Nominal Lengths (2) mm	Maximum Bracket Centres	Fixing Zone colour
Wincro **Ultima**	14	790	800	400	Blue
Wincro **Ultima2**	12	990	1000	500	Red

Notes:
(1) Dependant on fixing type. See Load tables and Typical Detail below.
(2) Includes 10mm gap between angles.
These tables are for guidance only. For further information please contact our Technical Department. Design and Specifications may change without notice.

Wincro *Ultima*	Fixing Height	Min. Edge	Min. Slab	Maximum Load (kN/m) for cavity widths, as specified (mm)																		
Fixing type	mm	mm	mm	**50**	**55**	**60**	**65**	**70**	**75**	**80**	**85**	**90**	**95**	**100**	**105**	**110**	**115**	**120**	**125**	**130**	**135**	**140**	**145**	**150**
38/17 channel	140	75	215	12	11.9	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.3	10.1	10	9.8	9.6	9.5	9.3	9.1	9	8.8	8.6	8.5
Fischer FBN 12/15+35 A4	140	105	245	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
M12 Xylan Setscrews	140	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
M12 RHS Blindbolts	140	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13.8	13.6	13.4	13.2

Wincro *Ultima2*	Fixing Height	Min. Edge	Min. Slab	Maximum Load (kN/m) for cavity widths, as specified (mm)																		
Fixing type	mm	mm	mm	**50**	**55**	**60**	**65**	**70**	**75**	**80**	**85**	**90**	**95**	**100**	**105**	**110**	**115**	**120**	**125**	**130**	**135**	**140**	**145**	**150**
38/17 channel	140	75	215	9.7	9.5	9.3	9.2	9	8.9	8.7	8.6	8.4	8.3	8.1	8	7.8	7.7	7.6	7.4	7.3	7.2	7	6.9	6.8
Fischer FBN 12/15+35 A4	140	105	245	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
M12 Xylan Setscrews	140	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
M12 RHS Blindbolts	140	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	11.8	11.6	11.4	11.2	11.1	10.9	10.7	10.5

Cavity Variations



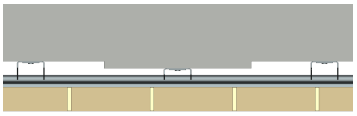
75 cavity 150 cavity

Ease of Use

Installation
Two brackets are installed* onto the structure and the angle simply rotates into position from the front. The system can then be line and leveled accordingly prior to hammering in the locking pins to secure the angle in place. Installation is completed by tightening the supplied fixings to the specified torque. Full installation instructions are provided with all systems.

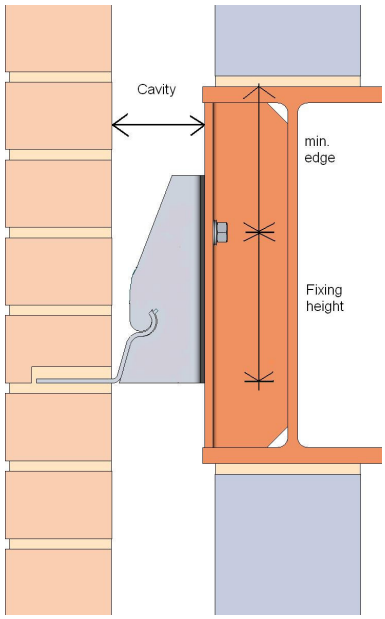
Cutting on site
Standard *Ultima* angles may be cut on site to suit the particular length of run. *Each angle section must have at least two brackets.

Standard left-hand and right-hand corners are available and should never be cut. Each corner section requires three brackets to achieve the required system loading.



Cavity Variations
Ultima is designed so that the interchangeable brackets allow for significant deviations in the position of the structural face. The use of shims can also adjust for slight deviations.

Typical detail



Available fixing methods

Wincro *Ultima* has been developed to fix back to range of structures using approved Wincro fixings as below.

To Concrete using:
- Wincro WBT T-head Bolt to continuous cast-in channel, or
- Wincro WBEB Expansion Bolts, or
- Wincro WBRC Resin Anchor System*

To Steelwork using:
- Wincro WBXS Isolated Hex-Head Set Screw & Isolation to steel plates/gussets within the steelwork beam

To Hollow sections using:
- Wincro WBBB RHS Bolt Fixing & Isolation (to RHS / SHS sections)

Alternative fixings should not be used without Wincro approval.
* Consult Wincro Technical for more information

Ring now for your CD version of our Product and Specification Manual and inclusion on our mailing list for the forthcoming CAD upgrade