


25/15 Channel		4000 Range Tie
28/15 Channel		4400 Range Tie
Apex Channel		4600 Range Tie
38/17 Channel		38/17 Channel Tie
31/21 Curve Channel		31/21 Curve Tie
36/8 Channel		36/8 Tie

- Available in 304 & 316 Grade SS
- Embedment 50-75mm
- Designed & Tested to BS EN 845 & 846
- Large stock holdings
- Wide Range Of Channel Types



ACS 4000 Range Tie & 25/15 FrameFix Ultra Channel



Technical Data

ACS Channel Ties are designed and tested in line with guidance of BS EN 845 & 846 to establish a declared load capacity. The channel and tie assembly is generally limited by the tensile capacity of the tie pulling out of the Channel, however the compressive load capacity is always evaluated to ensure it exceeds the declared tensile capacity.

Tie Product Code	Cast in Channel	Surface Fixed Channel	Declared SWL* (kN)	Cavity (mm)	
				Flat Tie	
				Plain	Dripped
4000 Range Tie	X	✓	0.5	25-375	25-375
4400 Range Tie	✓	✓	1.0	25-275	25-250
4600 Range Tie	✓	X	1.0	25-175	25-125
38/17 Channel Tie	✓	✓	1.0	25-275	25-250
31/21 Channel Tie	✓	X	1.0	25-175	25-125
36/8 Channel Tie	X	✓	0.5	25-250	25-200

*Please note that the declared SWL is based on a standard channel tie configuration, the SWL may be increased or decreased depending on the tie and fixing centres where appropriate, for more information please contact the ACS Technical Department.

Ties are available in grades 304 (BS EN 1.4301) and 316 (BS EN 1.4401) Stainless Steel as required depending on the environment in which they are being used. Each tie has a specially designed end connection to suit the specific channel, these are illustrated in the image above. The tie length will be designed to provide an embedment between 62.5 & 75mm in the mortar joint. This ensures that the ties conform to the requirements set out in BS EN 5628 which states a minimum of 50mm embedment must be achieved, taking account of brick line tolerances.

Installation & Best Practice

ACS Channel Ties are installed by inserting the tie vertically and then rotating the tie until the notches engage with the lips of the channel. For ties that include a drip feature the tie must be installed so that the 'V'-notch drip is pointing downward.

**FOR FURTHER INFORMATION OR TECHNICAL ASSISTANCE PLEASE CONTACT US
0844 850 0860 OR EMAIL TECHNICAL@ACSSTAINLESS.CO.UK**

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