



- Frame Cramp
- BS EN 845-1 Compliant
- Structure – Masonry
- Austenitic Stainless Steel
- 0 – 245mm Cavity
- CE Marked (EN 845-1)
- Lucideon Tested



Tie Dimensions & Standard Tie Lengths

Nominal cavity width mm	Tie length mm
0 – 20	75
21 – 45	100
46 – 70	125
71 – 95	150
96 – 120	175
121 – 145	200
146 – 170	225
171 – 195	250
196 – 220	275
221 – 245	300

Technical Data

The ACS 3200 range tie is a multi purpose frame cramp designed in accordance with the requirements of BS EN 845-1. The tie is designed to allow a masonry panel to be tied back to a range of structures/ substrates meaning one tie can fulfil a range of applications on site. The tie is designed to exceed the requirements of a Type 2 cavity as described by PD6697. The tie is resistant to water crossing a cavity due to the integrated 'drip' features that serves to prevent the transgression of water from the outer leaf to the inner leaf of a building even when installed with an angle of up to 5° in an unfavourable direction. The minimum mortar joint thickness for which this tie is intended for use is 10mm.

ACS can supply a range of corrosion resistant fixings to suit various applications. The list in the table above represents typical fixings used. For more information or alternative fixings please contact the ACS Technical Department.

Recommended Fixings

Substrate or Structure	Recommended Fixing
Concrete	M6 S/S Coach Screw & SX8 Plug, M6 S/S Expansion Anchor
Steel	M5.5 BZP Self Drilling Tech Screw
Block	M6 S/S Coach Screw & SX8 Plug
Timber	M6 S/S Coach Screw, NO 12 Posi Pan Head S/S Wood Screw

LEEDS (HEAD OFFICE)

Cross Green Approach, Cross
Green Ind Park, Leeds, LS9 0SG

LONDON

Crown House, Home Gardens,
Dartford, Kent, DA1 1DZ

GLASGOW

Festival House, 150 Brand Street,
Glasgow, G51 1DH

TAUNTON

2 The Crescent Taunton,
Somerset, TA1 4EA



Installation & Best Practice

Wall ties should typically be installed at a density of at least 2.5 ties/m² for walls in which both leaves are thicker than 90mm. This can be achieved by spacing the ties at 900mm horizontal centres and 450mm vertical centres, staggered at alternate courses.

Wall ties should be evenly distributed over a wall except around openings or at an un-bonded panel edge where the tie density should be increased to 225mm vertical centres within 225mm of the opening or edge.

The length of the tie should be sufficient to allow an embedment of at least 62.5mm meaning that the minimum embedment of 50mm is always achieved after allowing for site tolerances.

Recommended Fixings

Fixing Position in Slot	Tensile load capacity N	Compressive load capacity N	Shear load capacity N
Top	1050	892	500
Middle	1590Screw	892	1000
Bottom	1590Plug	892	1500

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