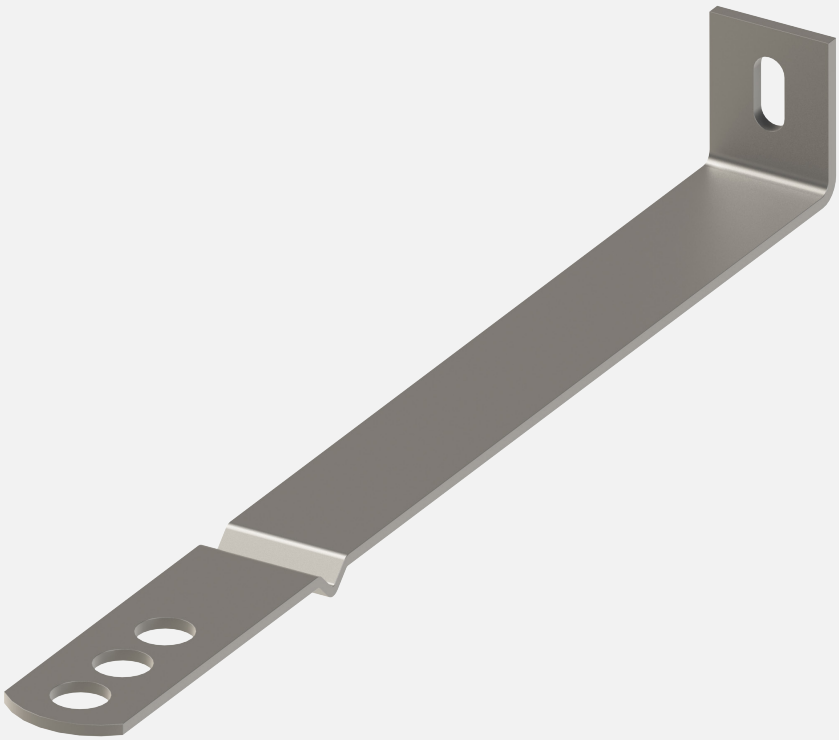
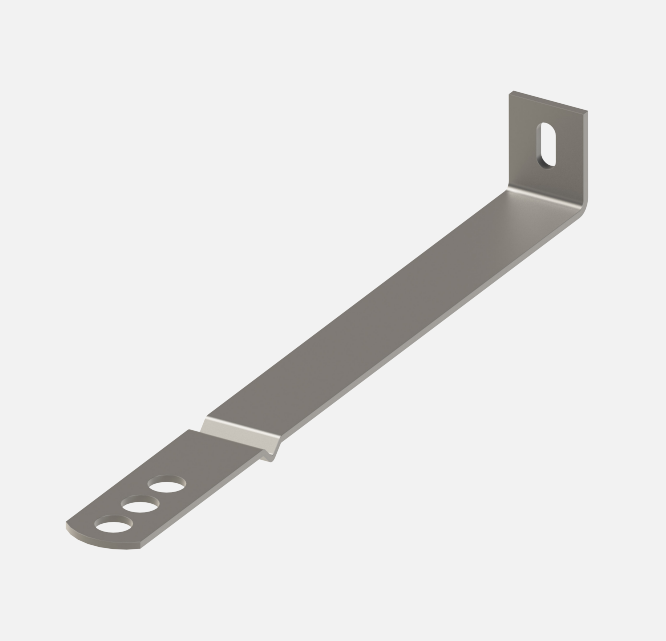
Technical Data Sheet

3200 Range
Wall Tie



3200 Range Wall Tie

Check for updates



Product summary

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 or substrates meaning one tie can fulfil a range of applications on site. 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 ACS 3200 Range Tie is available in Grades 304 (BS EN 1.4301) and Grade 316 (BS EN 1.4401) austenitic stainless steel.

UK CA | CE UK NI

BS EN 845-1

Tie reference	Tie length (mm)	Cavity width (mm)
ACS3200/275	275	195 – 220
ACS3200/300	300	221 – 245
ACS3200/325	325	246 – 270
ACS3200/350	350	271 – 295
ACS3200/375	375	296 – 320
ACS3200/400	400	321 – 345

0113 391 8200
info@acsstainless.co.uk
acsstainless.co.uk/products/wall-ties/frame-cramps/acs-3200-range-frame-cramp-tie

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3200 Range Wall Tie

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Product highlights

Frame Cramp
Austenitic stainless steel
UKCA / CE+UKNI marked
Lucideon tested
A1 non-combustible



A1 non-combustible

The ACS 3200 Range Tie is a stainless steel product which satisfies the requirements for an A1 classification without testing as the below details outline. Referring to document 96/603/EC, the ACS 3200 Range Tie is produced from stainless steel and shall on account of the material's low level of combustibility, be classified in Classes A ("No contribution to fire") without need for further testing. The document shows all categories considered as non-combustible. For any further information please refer to the aforementioned standard.

Installation and best practice

The ACS 3200 Range Ties should be installed in-line with the guidance of PD6697 which stipulates that ties should typically be installed at 900mm horizontal centres and 450mm vertical centres, staggered by 450mm between courses. This spacing should be reduced to 225mm around openings and at unbonded edges within 300mm of the edge or opening. However, the exact required spacing to suit each building should be calculated by the project structural/façade engineer based upon test results within this data sheet. Tie lengths should be selected to provide a design embedment of between 50mm and 75mm into the masonry to ensure their performance under load as per the table on page 2.

3200 Range Wall Tie

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Declared load capacity

The ACS 3200 Range Tie has been tested in accordance with BS EN 846-5 and BS EN 846-6 for the determination of tensile and compressive load capacity and load displacement characteristics of wall ties. Based on the results from the tests, the capacities declared in the table below were established.

Masonry end – BS EN 846-5

Mode of test	Tie length (mm)	Maximum Declared Value (N)
Tension	275 – 300	1590
	325 – 400	2910
Compression	275 – 300	1160
	325 – 400	1840

Upstand end – BS EN 846-6

Mode of test	Tie length (mm)	Maximum Declared Value (N)
Tension	275 – 300	892
	325 – 400	3220
Compression	275 – 300	1740
	325 – 400	2220

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Get in touch to learn more about how ACS can help you deliver your next project.

0113 391 8200
info@acsstainless.co.uk
acsstainless.co.uk

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