

NEW

Extra Wide Aperture

Patent Pending



Alpha II

Stronger, Safer, Simplified

Europe's most advanced adjustable mechanism, just got better...



Lock Safe

Improve safety and prevent catastrophic failure with the patented positive locking feature. Inferior serrated systems cannot compete as the **Alpha II Washer** engages the brackets teeth with greater ease locking itself on, establishing a new standard in safety.



Economic

Save money and installation time, as fewer brackets are required per project thanks to the increased load strength.



Installation

Speed up construction and slash installation costs as the **Alpha II's** extra wide aperture allows all current fixing configurations to pass through the front of the bracket with ease.



Finer Adjustment

Achieve even the tightest of tolerances, removing the need for complex and costly site based solutions thanks to the improved finer adjustment of **Alpha II**.



To find out how **Alpha II** can benefit your project, call 0844 850 0860 or visit www.acsstainless.com



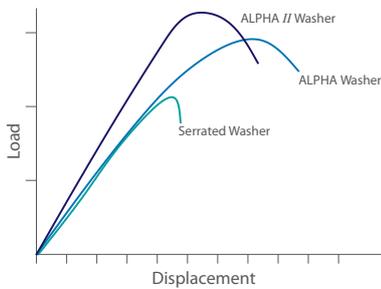
Expertly Redesigned

Through the redesign of the Alpha bracket, an increased load capacity has been achieved. Backed up by both calculation and testing at the University of Sheffield's Structural Testing Laboratories. The bracket can now achieve a vertical shear load of 10kN.

This allows systems to work at bracket centres previously unachievable due to high loading. It also gives the benefit of very high vertical loads now being possible even with the fine adjustment allowed for by **Alpha II**. The design of the **Alpha II System** provides clear inspection into the location and engagement of the washer in the bracket simplifying the final site installation checks.

Advancing the Alpha System

Previously, the Alpha Bracket's washer allowed less displacement than standard serrated washers. With the new lock safe washer, the **Alpha II** reduces this potential displacement even further.



All ACS masonry support systems can be adjusted in 3 directions depending on the fixing detail to overcome site tolerances.

Vertical Adjustment

ACS masonry support is supplied with the patented **Alpha II System**. The positive lock system provides greater load capacity than a traditional serrated system due to the physical locking teeth. The offset hole in the washer allows the increments of adjustment to be halved when rotated through 180° meaning the support level can be finely adjusted by +/- 30mm.

Lateral Adjustment

This can be accommodated via horizontal slots in steelwork or via a continuous cast in channel and in addition to a small amount from the **Alpha II Washer**.

Cavity Adjustment

Outward tolerance can be accommodated via stainless steel or thermal shims. The maximum allowable shim is the thickness of the bolt or 12mm whichever is less. If shimming exceeds this figure please contact the ACS Technical department. Slight cavity adjustments can be accommodated by moving the brickwork closer to the angle, to accommodate an inward tolerance.



FEA simulation

The **Alpha II Washer** has been simulated using cutting edge FEA modelling as well as physical testing to give both a strong and cost effective solution.

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