

Declaration of Performance

N^o DOP0013

ACS hereby declares that the following identified as,

ACS Atlas Masonry Support

is fabricated accordance with component specification BS EN 1090-1:2009 + A1:2011

Intended Use: Structural metallic construction components intended for use in steel structures or composite steel and concrete structures where the components can be made from hot rolled, cold-formed or with other technologies produced sections/profiles with various shapes, flat products (plates, sheet, strip), bars, castings, forgings made of steel materials.

Manufacturer: ACS Stainless Steel Fixings Ltd
N^o1 Cross Green Industrial Park
Leeds
West Yorkshire
LS9 0SG
United Kingdom

System of Assessment and Verification: System 2+

Notified Body: Steel Construction Certification Scheme
4, Whitehall Court
Westminster
London
SW1A 2ES

Notified Body Number: 2273

Steel Construction Certificate Scheme has performed (i) initial inspection of the manufacturing plant and factory product control and (ii) continuous surveillance, assessment and evaluation of factory production control and issued Factory Production Control Certificate 2273-CPR-0214 and Welding Certificate 2273-CPR-0214-WC.

D.O.P. 0013



BS EN
1090-1:2009

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Load Bearing Capacity – Illustrated in Table Below

Atlas 10

Fixing	Min. Fixing Height (mm)	Min. Edge (mm)	Min. Slab (mm)	Maximum load (kN/m) for various cavity widths (mm)										
				60	70	80	90	100	110	120	130	140	150	
31/21 Channel	150	75	225	10*	10	10	10	10	10	10	10	10	10	9.92
Expansion Anchor	150	90	240	10*	10	10	10	10	10	10	10	10	10	10
M12 Set Screw	150	-	-	10*	10	10	10	10	10	10	10	10	10	10
M12 Blind Bolt	150	-	-	10*	10	10	10	10	10	10	10	10	10	10

Atlas 12

Fixing	Min. Fixing Height (mm)	Min. Edge (mm)	Min. Slab (mm)	Maximum load (kN/m) for various cavity widths (mm)										
				60	70	80	90	100	110	120	130	140	150	
31/21 Channel	150	75	225	12*	12	12	12	12	11.50	11.05	10.63	10.30	9.92	
Expansion Anchor	150	90	240	12*	12	12	12	12	12	12	12	12	12	
M12 Set Screw	150	-	-	12*	12	12	12	12	12	12	12	12	12	
M12 Blind Bolt	150	-	-	12*	12	12	12	12	12	12	12	12	12	

Atlas 14

Fixing	Min. Fixing Height (mm)	Min. Edge (mm)	Min. Slab (mm)	Maximum load (kN/m) for various cavity widths (mm)										
				60	70	80	90	100	110	120	130	140	150	
31/21 Channel	150	75	225	14*	14	14	14	14	14	13.80	13.33	12.89	12.40	
Expansion Anchor	150	90	240	14*	14	14	14	14	14	14	14	14	14	
M12 Set Screw	150	-	-	14*	14	14	14	14	14	14	14	14	14	
M12 Blind Bolt	150	-	-	14*	14	14	14	14	14	14	14	14	14	

Essential characteristics	Performance	Harmonised technical specification
Tolerances on dimensions and shape	BS EN 1090-2, tolerance class 1	BS EN 1090-1: 2009 + A1: 2011
Weldability	NPD*	
Fracture toughness/impact resistance	NPD*	
Load bearing capacity	10/12/14kN	
Fatigue strength	NPD*	
Resistance to fire	NPD*	
Reaction to fire	Class A1 (steel only)	
Release of cadmium and its compounds	NPD*	
Radioactivity	NPD*	
Durability	Uncoated	
Manufacturing	In accordance with Execution Class 2 (EXC2)	

* NPD = No Performance Declared

The performance of the product identified above is in conformity with the declared performance identified in the table.

Declaration made by:



David Flannery, Managing Director, 13/05/2013