

Declaration of Performance

Declaration No. **003MS2018 NSAI**

IG TITAN SYSTEM

IG Masonry Support Systems hereby declares that the following standard masonry support system, **TITAN**, conforms to the provisions of Annex ZA, BS EN 1090-1:2009+A1:2011.

Product Identification: IG Titan System (Titan 8, Titan 10, Titan 12, Titan 14).

Intended Use: Titan is a structural stainless steel construction product intended for use within cavity wall construction in steel, concrete or timber frame buildings. The components can be made from cold formed or hot rolled plate.

Manufacturer: IG Masonry Support Systems, Ryder Close, Cadley Hill Industrial Estate, Swadlincote, South Derbyshire, DE 11 9EU.

System of Assessment and Verification: System 2+.

Harmonised standard: BS EN 1090-1: 2009 + A1:2011.

IG Titan 8

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																										
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200
FAZII 12/20	75	215	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
FBNII 12/20	75	215	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
M12 Setscrew	-	-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
RG M	75	200	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HD Bolt	-	-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

IG Titan 10

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																										
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200
FAZII 12/20	75	215	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
FBNII 12/20	75	215	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
M12 Setscrew	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
RG M	75	200	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
HD Bolt	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

IG Titan 12

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																										
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200
FAZII 12/20	75	215	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
FBNII 12/20	75	215	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
M12 Setscrew	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
RG M	75	200	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
HD Bolt	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

IG Titan 14

Fixing	Min. Top Edge (mm)	Min. Slab (mm)	Maximum unfactored load (kN/m) for cavity widths (mm)																										
			70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200
FAZII 12/20	75	215	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
FBNII 12/20	75	215	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
M12 Setscrew	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
RG M	75	200	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
HD Bolt	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

Note: Tables for straight runs only and based on C30/37 concrete, uncracked. For guidance on corner arrangements please contact IG. Titan should be stored and installed to IG's instructions.

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IG TITAN SYSTEM

Notified Body

NSAI
1 Swift Square
Northwood Business Park
Santry
Dublin 9

Notified Body Number:

0050

FPC Certification Number:

0050-CPR-0903

Declaration Method:

1 and 3a according to table A.1: BS
EN 1090-1: 2009 +A1: 2011

Declared Performances:

Load bearing capacity as shown
in tables

Essential Characteristics

Tolerances on Dimensions

According to EN 1090-2

Weldability

Stainless Steel 1.4301/1.4307,
according to EN 10088-2

Fracture Toughness

Minimum 60J at 20DegC

Reaction to Fire

Classified: Class A1

Design:

According to EN 1993 (EC3)

Manufacturing:

According to EN 1090-2:
Execution Class 2 (EXC2)

Durability

Uncoated: NPD

Fatigue Strength

NPD

Release of Cadmium

NPD

Emission of Radioactivity

NPD

Durability

Uncoated: NPD

Load Bearing Capacity

As shown in tables

The performance of the product identified in this document is in conformity with the set of declared performances. This declaration is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified in this document.

Signed for and on behalf of the manufacturer by:



Andy Neal
Managing Director.

Signed on 31/10/18 at IG Masonry Support Systems
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