

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 4, Titan 6, 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: EN 1090-1: 2009 + A1:2011.

IG Titan 4

Fixing Type	Min. Top Edge	Min. Slab	Maximum Unfactored load [kN/m] per cavity widths [mm]																
	(mm)	(mm)	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
Fischer - FAZ II 12/20	75	225	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Fischer - FBN II 12/20	75	225	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
SET SCREW M12	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Blindbolt - HD Bolt	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4

IG Titan 6

Fixing Type	Min. Top Edge	Min. Slab	Maximum Unfactored load [kN/m] per cavity widths [mm]																
	(mm)	(mm)	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
Fischer - FAZ II 12/20	75	225	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Fischer - FBN II 12/20	75	225	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SET SCREW M12	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Blindbolt - HD Bolt	-	-	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

IG Titan 8

Fixing Type	Min. Top Edge	Min. Slab	Maximum Unfactored load [kN/m] per cavity widths [mm]																
	(mm)	(mm)	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
Fischer - FAZ II 12/20	75	225	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Fischer - FBN II 12/20	75	225	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
SET SCREW M12	-	-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Blindbolt - HD Bolt	-	-	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

IG Titan 10

Fixing Type	Min. Top Edge	Min. Slab	Maximum Unfactored load [kN/m] per cavity widths [mm]																
	(mm)	(mm)	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
Fischer - FAZ II 12/20	75	225	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Fischer - FBN II 12/20	75	225	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
SET SCREW M12	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Blindbolt - HD Bolt	-	-	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

IG Titan 12

Fixing Type	Min. Top Edge	Min. Slab	Maximum Unfactored load [kN/m] per cavity widths [mm]																
	(mm)	(mm)	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
Fischer - FAZ II 12/20	75	225	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11.7
Fischer - FBN II 12/20	75	225	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
SET SCREW M12	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Blindbolt - HD Bolt	-	-	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

IG Titan 14

Fixing Type	Min. Top Edge	Min. Slab	Maximum Unfactored load [kN/m] per cavity widths [mm]																
	(mm)	(mm)	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150
Fischer - FAZ II 12/20	75	225	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Fischer - FBN II 12/20	75	225	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
SET SCREW M12	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Blindbolt - HD Bolt	-	-	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

Note: Tables are to be considered for straight runs only and are based on uncracked concrete C30/37
Please contact IG Masonry Support for Corner Arrangements and bigger cavities

IG TITAN SYSTEM

Essential Characteristics

Notified Body

Eurofins Expert Services Oy
Kivimiehentie 4
FI-02150 Espoo
Finland

Notified Body Number:

0809

FPC Certification Number:

0809-CPR-21004491

Declaration Method:

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

Declared Performances:

Load bearing capacity as shown
in tables

Tolerances on Dimensions:

According to EN 1090-2

Weldability:

Stainless Steel Graded 304 and 316,
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

Load Bearing Capacity:

As shown in tables

The performance of the product identified above 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 above.

Signed for and on behalf of the manufacturer by:



Andy Neal
Managing Director

Signed on **05/01/2022** at IG Masonry Support
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