

Manufacturer: ETANCO (FRANCE)

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Product name:

GOLDOVIS 15 TH10 / ZBJ or 2C or 3C Ø 6 x L

Application:

Fastening the waterproof support panel or cladding support panel onto steel frames

Description:

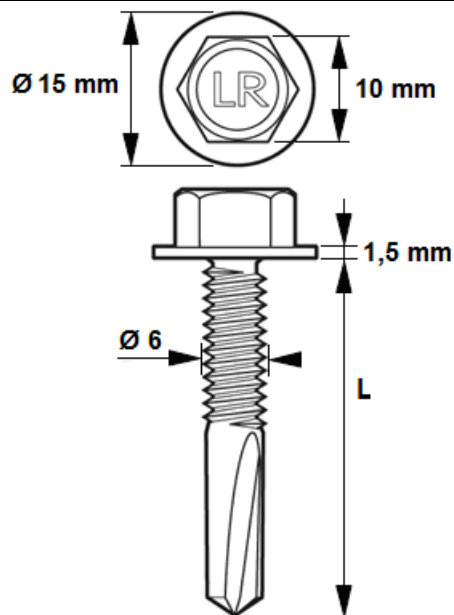
Self-drilling screw Ø6 mm
Hexagonal head of 10 mm with wide Ø15 flange and thickness 1.5 mm
Pitch of 1 mm. Drill point

Drilling capacity (CP):

4 to 15 mm into steel sheet

Material:

Cemented steel



Non-contractual positioning of the marking

Material, coating and test of corrosion resistance:

- **ZBJ:** Yellow zinged cemented carbon steel (3 to 5 µm thickness of zinc)

Corrosion resistance level determined by Kesternich test (sulfur dioxide corrosion with general dampness condensation) in compliance with NF EN 3231 (2 l)

Resisted to 2 cycles

Salt spray test in compliance with NF ISO 9227 (March 2007):

No trace of red rust after 48 hours.

- **2C:** SUPRACOAT 2C coated cemented steel (12 to 20 µm):

Corrosion resistance level determined by Kesternich test (sulfur dioxide corrosion with general dampness condensation) in compliance with NF EN 3231 (2 l)

Resisted to 15 cycles before the appearance of red rust

Salt spray test in compliance with NF ISO 9227 (March 2007):

No trace of red rust after 500 hours.

- **3C:** SUPRACOAT 3C coated cemented steel:

Corrosion resistance level determined by Kesternich test (sulfur dioxide corrosion with general dampness condensation) in compliance with NF EN 3231 (2 l)

Resisted to 30 cycles before the appearance of red rust

Salt spray test in compliance with NF ISO 9227 (March 2007):

No trace of red rust after 1000 hours.

Drilling time performance:

Conditions: a) Test material: Structural steel S355JR
 b) Tool used: Drilling test with FEIN SCS 6.3-19 X power 400 W mini with torque limiter and depth control

Drilling test	Unit	Ø 4,8	Ø 5,5	Ø 6,3 & 6,5
Drilling time	s/mm	< 2	< 2	< 2
Speed rotate	rpm	2000 *	2000 *	2000 *
Axial load	daN	16	20	27

* Real capacity of 1800 revolutions per minute

Drilling capacity, diameter, length (in mm) and packaging:

Drilling capacity (CP)	Ø x Length	CS minimum Build up capacity	CA maximum Assembly capacity	H Hexagonal head	Packaging
4 to 15	6 x 35	-	14	10	100
4 to 15	6 x 55	16	34	10	100

Tensile steel failure (Value in daN):

Characteristic resistance

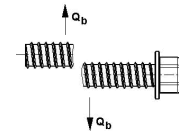
$\bar{x} = 1294 \text{ daN}$



Shear steel failure – 0.6 x Rm (Value in daN):

Characteristic resistance

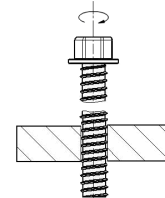
$\bar{x} = 776 \text{ daN}$



Torque steel failure (Value in daN):

Characteristic resistance

$\bar{x} = 16 \text{ Nm}$



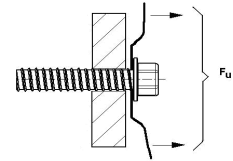
Pull-out failure – Top steel (Pk in daN) – According to NF P 30-314:

Characteristic resistance

Thickness of sheet (mm)	
Top steel S320	Support steel S235
0.75 mm	4 mm
	6 mm
	8 mm
	10 mm
	12 mm
	15 mm
	606*
	606*
	606*
	606*
	606*
	606*

The indicated values do not include safety factors and are indicative

*buckling



Pull-out failure (Pk in daN) – According to NF P 30-310:

Characteristic resistance

Thickness of sheet (mm)					
Steel S235					
4 mm	6 mm	8 mm	10 mm	12 mm	15 mm
819	1062	1780**	1780**	1780**	1780**

The indicated values do not include safety factors and are indicative

**Failure

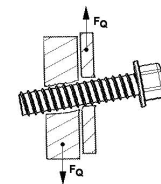


Shear failure of the assembly (Pk in daN) – According to NF P 30-316:

Characteristic resistance

Thickness of sheet (mm)		
Top steel S320	Support steel S235	daN
0.75	4	-
0.75	6	564
0.75	8	-
0.75	10	-
0.75	12	785
0.75	15	-

The indicated values do not include safety factors and are indicative



According to French standard:

DTU 43.3 (NF P 84-206)

Professional cladding rule

Outillage de pose :

Screwdriver FEIN SCS 6,3 -19X power consumption 400 W mini with torque limiter (depth stop) and depth gauge

Drive bit: Socket of 10 mm

Labelling: GOLDOVIS 15 TH10 / ZBJ – Ø 6 x L + code

GOLDOVIS 15 TH10 / 2C – Ø 6 x L + code

GOLDOVIS 15 TH10 / 3C – Ø 6 x L + code

Quality control: ISO 9001 : 2015

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