

Manufacturer : LR ETANCO (FRANCE)

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Product name:**GOLDOVIS 2.5 TH10 / ZBJ or 2C or 3C Ø 6.3 x 25****Application:**

Steel sheet on steel beam.

Description:

Self-drilling screw Ø 6.3 mm

Hexagonal head of 10 mm. Natural finish with flange Ø15 / 1.5 mm thickness

Pitch = 1,81 mm. Drill point

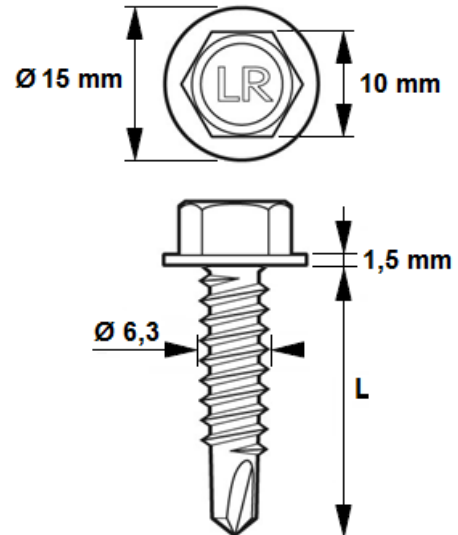
Drilling capacity (CP):

0.75 to 2.5 mm into steel sheet

Material:

Cemented steel 20MB5 - SAE 1020 - JIS SWRCH22A.

Surface hardness HV0.5 _ 550 < HV < 750

**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 (sulphur dioxide corrosion with general dampness condensation) according to NF EN 3231 (2 l)

Resisted to 2 cycles

Salt spray test according to 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 (sulphur dioxide corrosion with general dampness condensation) according to NF EN 3231 (2 l)

Resisted to 15 cycles before the appearance of red rust

Salt spray test according to 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 (sulphur dioxide corrosion with general dampness condensation) according to NF EN 3231 (2 l)

Resisted to 30 cycles before the appearance of red rust

Salt spray test according to NF ISO 9227 (March 2007):

No trace of red rust after 1000 hours.

Drilling time Performance:

Conditions: a) Test material : Structural steel S355 JR
 b) Tools used : Drilling test with SCS Fein 6.3-19X 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

* Under load: 1800 rotations/min

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

Drilling capacity	Ø x Length	CS Capacity of mini tightening	Assembly capacity CA maxi	Hex head TH	Packaging
0.75 to 2.5	6.3 x 25	-	12	10	100

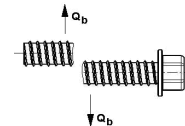
Tensile test (value in daN):

$\bar{x} = 1614 \text{ daN}$



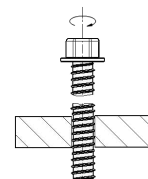
Shear test value – 0.6 x Rm (value in daN):

$\bar{x} = 968 \text{ daN}$



Breaking torque (in Nm):

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



Pull out test values (Pk in daN) of top sheet - According to NF P 30-314

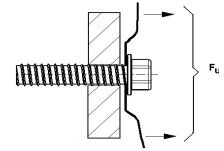
Thickness of sheet steel (mm)					
Superior steel sheet (S320)	Steel sheet support (S320)				
0.75 mm	2 x 0.75mm	1 mm	1.5 mm	2 mm	2.5 mm
	203	102	276	382	602*

Important: these values do not include safety coefficients

*Buckling

Thickness of sheet steel (mm)		
Superior steel sheet (S320)	Steel sheet support (S350)	Steel sheet support (S390)
0.75 mm	1.45 mm	1.7 mm
	270	363

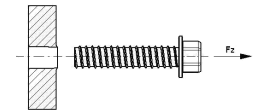
Important: these values do not include safety coefficients



Pull out test values (Pk in daN) – According to NF P 30-310

Thickness of Steel sheet support (S320)					
2 x 0.75 mm	3 x 0.75 mm	1 mm	1.5 mm	2 mm	2.5 mm
238	384	105	256	371	638

Important: these values do not include safety coefficients



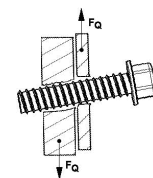
Thickness of Steel sheet support			
Steel S350		Steel S390	
1.45	1.7	1.9 mm	2.4 mm
280	362	415	587

Important: these values do not include safety coefficients.

Shear load test values (Pk in daN) – According to NF P 30-316

Thickness of sheet steel (mm)		
Superior steel sheet (S320)	Steel sheet support (S320)	daN
0.75	2 x 0.75	-
0.75	3 x 0.75	-
0.75	1	-
0.75	1.5	-
0.75	2	-
0.75	2.5	-

Important: these values do not include safety coefficients



Conformity:

DTU 43.3 based on NF P 84-206

French professional regulations related to cladding

Recommended setting tools:

Screwing toll FEIN SCS 6.3 -19X power 400 W mini with torque limiter and depth control

Screw Tip: socket with 10 mm imprint hex head hollow

Marking - Labelling:

GOLDOVIS 2.5 TH10 / ZBJ – Ø 6.3 x 25 + CODE

GOLDOVIS 2.5 TH10 / 2C – Ø 6.3 x 25 + CODE

GOLDOVIS 2.5 TH10 / 3C – Ø 6.3 x 25 + CODE

Quality control:

ISO 9001 :2015