

Manufacturer: LR ETANCO (FRANCE)

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Product name:

FASTOVIS FC-E 2T TH8 / ZBJ or 2C or 3C Ø 4.8x16

Application: Steel sheet roof stitching

Description:

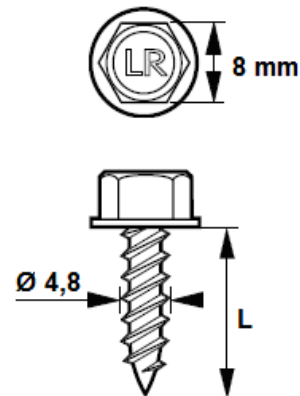
Self-drilling screw Ø 4.8 mm.
Hexagonal head of 8 mm with collar.
Natural finish or EPOXY powder painted stove hardened.
Pitch = 2,12 mm. Drill point.

Drilling capacity (CP):

0.75 to 2 x 0.75 mm into steel sheet.

Material:

Screw body: Treaded steel 20MB5 - SAE 1020 - JIS SWRCH22A.
Surface hardness HV0.5 _ 550 < HV < 750

**Material, coating and anti-corrosion level tests:****• ZBJ:** Yellow zinc plated (3 to 5 µm thickness of zinc)

Anti-corrosion level determined by Kesternich test (sulphur dioxide corrosion with general dampness condensation) according to NF EN 3231 (2 l)
Resisted to 2 cycles before the appearance of red rust

Salt spray test according to NF ISO 9227 (March 2007):
No trace of red rust after 48 hours.

• 2C: SUPRACOAT 2C (12 to 20 µm):

Anti-corrosion 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:

Anti-corrosion 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 Performance:

Conditions: a) Test material: Structural steel S355 JR
 b) Test screwdriver: Drilling test with SCS Fein 6.3-19X power 400 W mini with torque limiter (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

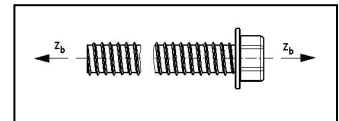
* Under load: 1800 rotations/min

Drilling performance, diameter, length in mm and packaging:

Drilling capacity	Ø x Length	CS Build up min	CS Build up max	Hex head TH	Packaging
2 x0.75	4.8 x 16	-	2 x0.75	8	100

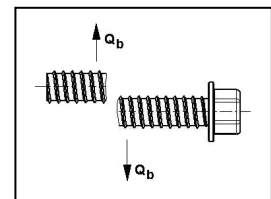
Characteristic tensile test value:

$\bar{x} = 760 \text{ daN}$



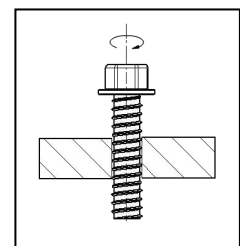
Characteristic shearing test value – 0.6 x Rm:

$\bar{x} = 456 \text{ daN}$



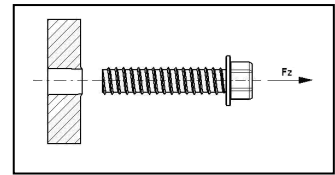
Characteristic torsion strength:

$\bar{x} = 6.5 \text{ Nm}$



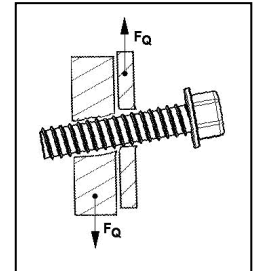
Tensile strength test value (Pk in daN) – According to NF P 30-310

Steel thickness (mm) - Steel S320
2 x 0.75 mm
272
Important: these values do not include safety coefficients and are provided for information purposes only.



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

Sheet thickness (mm)		
Top sheet (Steel S320)	Steel sheet (Steel S320)	daN
0.75	0.75	-
Important: these values do not include safety coefficients and are provided for information purposes only.		



Conformity:

French professional regulations related to cladding (DTU 43.3 based on NF P 84-206).

Recommended setting tools:

Screwdriver FEIN SCS 6.3 -19X power 400 W mini with torque limiter (depth control)
Screw bit: 8 mm hexagonal head

Marking & Labelling:

FASTOVIS FC- E TH8 / ZBJ – Ø 4.8 x 16 + code
FASTOVIS FC- E TH8 / 2C – Ø 4.8 x 16 + code
FASTOVIS FC- E TH8 / 3C – Ø 4.8 x 16 + code

Quality control:

ISO 9001:2015