

Manufacturer: LR ETANCO (FRANCE)

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Product name:

FASTOR 2043 TH10 / ZN or 2C / Ø 7 x L

Application:

Steel sheet on steel beam or wood beam.

Description:

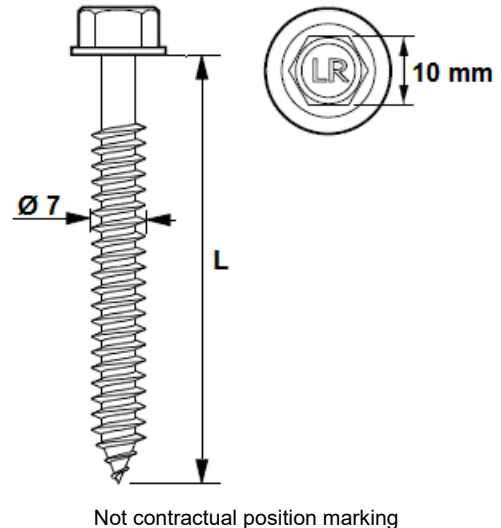
Self-tapping screw Ø 7 mm.
Hexagonal head of 10 mm. Natural finish or EPOXY powder painted, stove hardened.
Pitch = 2 mm.
Can be fitted with VULCA Galva washer Ø 19 mm.

Steel frame pre-drilling Ø to be determined by testing.

Material:

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

Washer: Galva + vulcanized EPDM, 2 mm thickness 70 Shore A.

**Material, coating and test of corrosion resistance:**

- **ZN:** Carbon steel (3 to 5 µm 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 1 cycle

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

Resistance to corrosion: No warranty

We recommend not using powder painted steel screws in outside environments other than the following:
non-polluted rural, normal urban and industrial, marine 10 to 20 km from the coast.

- **2C: SUPRACOAT 2C** coated cemented steel (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.

Painting of heads and washers:

Epoxy, polyester or polyurethane painting (wide range of colours available).
Painting thickness according to TDS 4453.

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

Diameter, length (in mm) and packaging:

Ø x Length	CS Capacity of mini tightening	Assembly capacity CA maxi	Hex head TH	Packaging
7 x 22	-	5	10	100
7 x 22 +VG19	-	3	10	100
7 x 35	10	16	10	100
7 x 35 +VG19	8	14	10	100
7 x 80	25	61	10	100
7 x 80 +VG19	23	59	10	100
7 x 130	75	111	10	100
7 x 130 +VG19	73	109	10	100

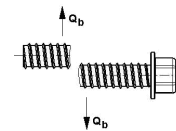
Tensile test value in daN:

$\bar{x} = 1233 \text{ daN}$



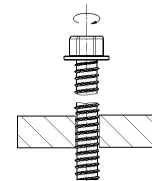
Shear test value – 0.6 x Rm (value in daN):

$\bar{x} = 740 \text{ daN}$



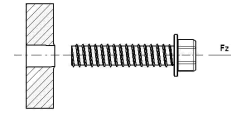
Breaking torque value (in Nm):

$\bar{x} = 15 \text{ Nm}$



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

Steel sheet support (S235) 6 mm
After removing a FASTOVIS 6 in 6 mm of steel pre-drill with a Ø 6.3 drill bit and set up the FASTOR
1019 daN
the values do not include safety coefficients



Recommended setting tools:

Screwing tool: 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:

FASTOR TH10 / ZN – Ø 7 x L + G19 + code
FASTOR TH10 / 2C – Ø 7 x L + G19 + code
FASTOR TH10 / ZN – Ø 7 x L + code
FASTOR TH10 / 2C – Ø 7 x L + code

Quality control:

ISO 9001 : 2015