

FASTO-INOX B CL TH / COLORFAST B CL TH – A2 – Ø 6,3 x L



PRODUCT DEFINITION

- Self-tapping steel screws Ø 6.3 mm.
- Hex head of 8 mm.
- Ø 10.5 mm flange, thickness 1.2 mm.
- Can be mounted with a VULCA washer.
- Natural (FASTO-INOX) or painted (COLORFAST) head.
- 1.81 mm pitch.
- Flat point.

APPLICATION

- Roofing: Fixing with pre-drilling of metal profiles on metal frame.
- Aggressive environment (off the seafront).
- Tapping capacity: 3 to 12 mm steel.

MATERIAL & COATING

Material:

- Austenitic stainless steel A2 – 1.4301 - AISI 304.
- VULCA washer: A2 (VI) stainless steel + EPDM (Ethylene Propylene Diene Monomer).

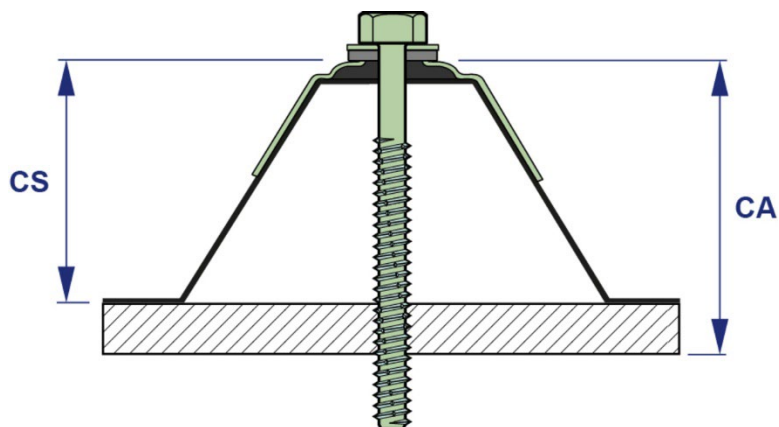
Painting:

- Epoxy, polyester or polyurethane paint (wide range of colours available).
- Painting thickness according to FT n° 4453.
- The colour coating only gives an aesthetic character. It does not prejudice nominal mechanical strengths. In the event of degradation of the coating, this product retains its performance and does not deviate from the main function for which it is intended.

Corrosion resistance:

- By Kesternich test according to NF EN ISO 22479:
Resist to more 30 cycles without the appearance of red rust.
- By salt spray test according to NF EN ISO 9227:
No trace of red rust after 1000 hours.

IMPLEMENTATION



- The installation is carried out using a FEIN ASCM 18-4 QM AS screwdriver with torque limiter and depth gauge with an 8 mm hexagonal socket.

Unauthorized machines:

- Bolters, impact wrenches, impact drivers are not suitable for assembly work and are strictly forbidden to use.

Recommended tools:

- FEIN ASCM 18-4 QM AS battery-powered screwdriver set + 2 batteries and 1 charger (code: 321 688).
- Depth stop for FEIN ASCM 18-4 QM AS (code: 321 686).
- 8 mm Lg 65 mm hexagonal socket (code: 323 500).

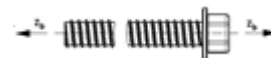
Associated Products:

- Saddle washer for roofing (refer to roofing booklet).

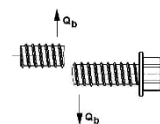
PERFORMANCE

Characteristic resistances:

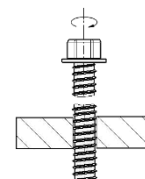
▪ Characteristic tensile Strength: $\bar{x} = 1063 \text{ daN}$



▪ Characteristic shear strength - $0.6 \times R_m$: $\bar{x} = 637 \text{ daN}$



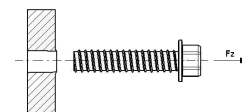
▪ Characteristic torsional strength: $\bar{x} = 12 \text{ Nm}$



▪ Pull-out resistance (Pk) in accordance with the NF P 30-310 standard:

Thickness of the support Steel	Pre-drilling Ø	Pk to daN
S235 - 3 mm	Ø 5.65 mm	345
S235 - 4 mm	Ø 5.65 mm	603
S235 - 6 mm	Ø 5.8 mm	1263
S235 - 10 mm	Ø 5.8 mm	1821*
S235 - 12 mm	Ø 5.8 mm	1821*

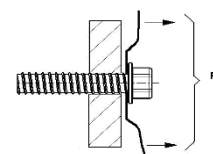
The values indicated do not include safety factors
* Fastener Breakage



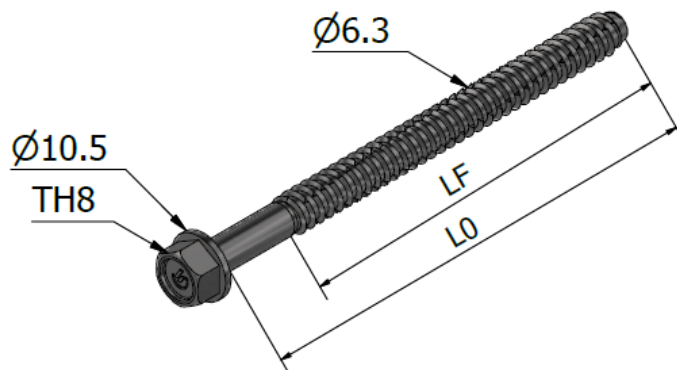
▪ Pull-out resistance (Pk) in accordance with the NF P 30-314 standard:

Top Plate Steel	Steel support	Pre-drilling Ø	Pk to daN
S280 to S320 - 0.75 mm	S235 - 3 mm	Ø 5.65 mm	345
	S235 - 4 mm	Ø 5.65 mm	417*
	S235 - 6 mm	Ø 5.8 mm	417*
	S235 - 8 mm	Ø 5.8 mm	417*
	S235 - 10 mm	Ø 5.8 mm	417*
	S235 - 12 mm	Ø 5.8 mm	417*

* Unbuttoning
The values indicated do not include safety factors



DIMENSIONS & CODES



Ø x L (mm)	CS mini (mm)	CA maxi (mm)	LF (mm)	Ø VULCA (mm)	Cond.	Code Natural	Code Painted
6.3 x 19	-	9	Total	-	100	284 151	-
6.3 x 19 + VI 16	-	7	Total	16	100	284 152	284 302
6.3 x 19 + VI 19	-	7	Total	19	100	284 153	284 303
6.3 x 25	-	15	Total	-	100	284 161	-
6.3 x 25 + VI 16	-	13	Total	16	100	284 304	284 306
6.3 x 25 + VI 19	-	13	Total	19	100	284 305	-
6.3 x 32 + VI 16	-	20	Total	16	100	284 155	-
6.3 x 38	-	28	Total	-	100	284 157	-
6.3 x 38 + VI 16	-	26	Total	16	100	284 158	284 309
6.3 x 38 + VI 19	-	26	Total	19	100	284 159	284 310
6.3 x 75	-	65	Total	-	100	284 163	-
6.3 x 75 + VI 16	-	63	Total	16	100	284 311	-
6.3 x 130	-	120	74	-	100	284 165	-
6.3 x 130 + VI 16	59	118	74	16	100	284 315	284 317

Ø : Nominal diameter – L : Length – CS mini: Minimum clamping capacity – CA maxi: Maximum assembly capacity – LF: Thread length – Cond.: Packaging

CONFORMITY

- In accordance with NF DTU 40.35: Ribbed plate roofing from coated steel sheets.
- In accordance with NF DTU 40.36: Roofing made of ribbed aluminium sheets, pre-painted or not.
- Reaction to fire: A1 according to NF EN 13501-1.
- The characteristic resistances are the result of tests carried out by the LR ETANCO laboratory.

MARKING & LABELLING

- On packaging, natural screw: FASTO-INOX B CL TH8 / A2 - Ø 6.3 x L + CODE.
- On packaging with washer, natural screw: FASTO-INOX B CL TH8 / A2 - Ø 6.3 x L + VI Ø + CODE.
- On packaging, painted screws: COLORFAST B CL TH8 / A2 - Ø 6.3 x L + CODE.
- On packaging with washer, painted screws: COLORFAST B CL TH8 / A2 - Ø 6.3 x L + VI Ø + CODE.

QUALITY CONTROL

- ISO 9001 certified quality management system according to current certificate.

NOTE

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