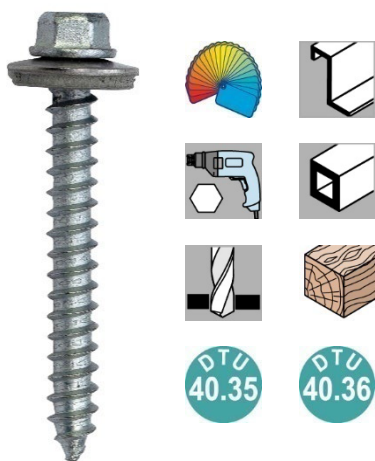


FASTO-INOX A CL TH / COLORFAST A CL TH - A2 - Ø 6,5 x L



PRODUCT DEFINITION

- Self-drilling wood screws Ø 6.5 mm.
- Self-tapping steel screws Ø 6.5 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.
- 2.54 mm pitch.
- Sharp point.

APPLICATION

- Roofing: Fixing with pre-drilling of metal profiles on wood or metal frames.
- Aggressive environment (off the seafront).
- Tapping capacity: 1 to 2.9 mm steel.

MATERIAL & COATING

Material:

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

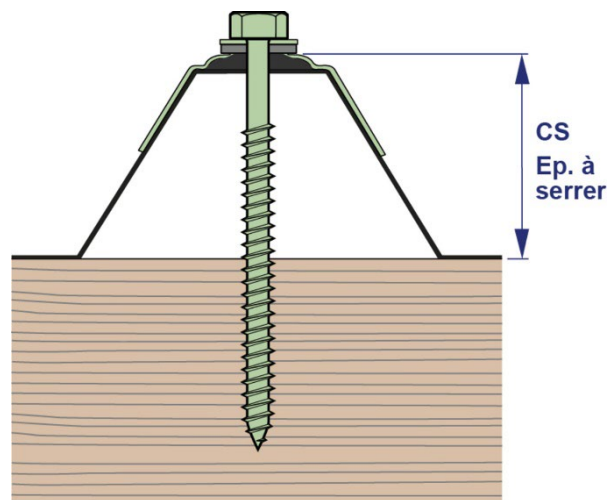
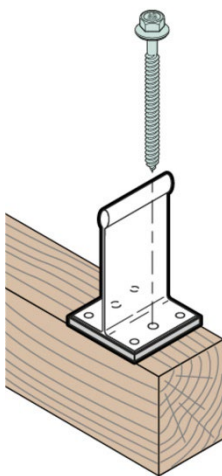
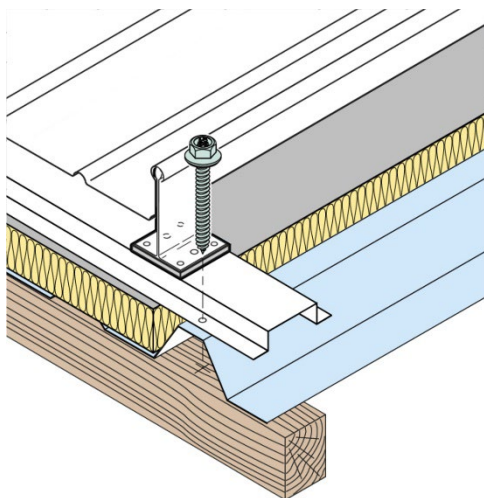
Painting:

- 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.

INSTALLATION



- 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).

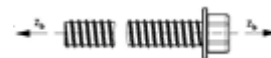
Associated Products:

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

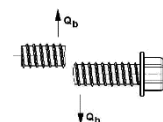
PERFORMANCE

Characteristic resistances:

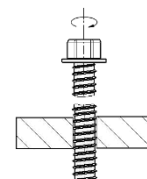
▪ Characteristic tensile Strength: $\bar{X} = 997 \text{ daN}$



▪ Characteristic shear strength – $0.6 \times R_m$: $\bar{X} = 598 \text{ daN}$



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



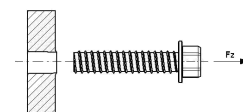
▪ Pull-out resistance (Pk) in accordance with the NF P 30-310 standard:

Wood Fir Stand	Anchoring	Pk to daN
450 kg/m ³	50 mm	583

The values indicated do not include safety factors

Thickness of the support Steel	Pre-drilling Ø	Pk to daN
S320 – 1 mm	Ø 4,00 mm	190
S320 – 1.5 mm	Ø 4,00 mm	390
S320 – 2 mm	Ø 5.10 mm	373
S320 – 2.5 mm	Ø 5.10 mm	485

The values indicated do not include safety factors



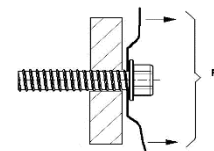
▪ Pull-out resistance (Pk) in accordance with the NF P 30-314 standard:

Top Plate Steel	Wood Fir Stand	Anchoring	Pk to daN
S320 - 0.75 mm	450 kg/m ³	50 mm	583

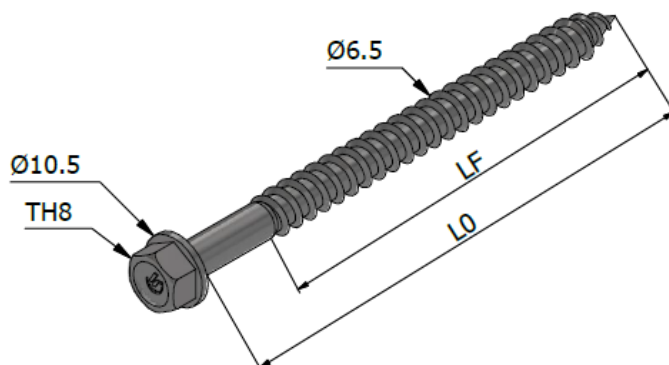
The values indicated do not include safety factors

Top Plate Steel	Steel support	Pre-drilling Ø	Pk to daN
S280 to S320 - 0.75 mm	S320 – 1 mm	Ø 4,00 mm	190
	S320 – 1.5 mm	Ø 4,00 mm	390
	S320 – 2 mm	Ø 5.10 mm	373
	S320 – 2.5 mm	Ø 5.10 mm	485

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
6.5 x 16	-	4	Total	-	100	284 173	-
6.5 x 16 + VI 16	-	2	Total	16	100	284 221	284 223
6.5 x 32	-	20	Total	-	100	284 175	-
6.5 x 32 + VI 16	-	18	Total	16	100	284 226	284 228
6.5 x 32 + VI 19	-	18	Total	19	100	284 227	284 229
6.5 x 38	-	26	Total	-	100	284 177	-
6.5 x 38 + VI 16	-	24	Total	16	100	284 231	-
6.5 x 50	-	38	Total	-	100	284 179	-
6.5 x 50 + VI 16	-	36	Total	16	100	284 251	284 253
6.5 x 80	13	68	74	-	100	284 181	-
6.5 x 80 + VI 16	11	66	74	16	100	-	284 266
6.5 x 100	23	88	74	-	100	284 183	-
6.5 x 100 + VI 16	21	86	74	16	100	284 271	284 273
6.5 x 115	48	103	74	-	100	284 185	-
6.5 x 115 + VI 16	46	101	74	16	100	284 275	284 277
6.5 x 130	63	118	74	-	100	284 187	-
6.5 x 130 + VI 16	61	116	74	16	100	284 279	-
6.5 x 150	83	138	74	-	100	284 189	-

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 A CL TH8 / A2 - Ø 6.5 x L + CODE.
- On packaging with washer, natural screw: FASTO-INOX A CL TH8 / A2 - Ø 6.5 x L + VI Ø + CODE.
- On packaging, painted screws: COLORFAST A CL TH8 / A2 - Ø 6.5 x L + CODE.
- On packaging with washer, painted screws: COLORFAST A CL TH8 / A2 - Ø 6.5 x L + VI Ø + CODE.

QUALITY CONTROL

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

NOTE

The information contained in this document is given in good faith and for general information purposes only. They reflect the state of our knowledge at the time of writing. As the possibilities of use of our products are numerous, and may be beyond our control, we cannot be held liable in any way in the event of misuse of our products. The information provided can only be considered as a suggestion for use without taking into account existing patents or national or local legal or regulatory requirements. The buyer is required to check whether the possession or use of our products is subject to special rules on its territory, in particular in terms of public affairs, health and safety of workers and consumers. It also assumes the sole responsibility of providing information and advice to the end user. Failure to comply with these regulations, regulations and duties cannot be held liable under any circumstances