

ISODRILL 2x1 DF TH8 – STAINLESS STEEL A4 – Ø 4.8 x L



PRODUCT DEFINITION

- Self-drilling screw Ø 4.8 mm bi-metal
- Double net under head Ø 5.5 mm.
- 8 mm hex head with flange.
- A4 stainless steel.
- Natural head.
- 1.59 mm pitch.
- Drill point.
- Can be mounted with waterproofing washer or plate.

APPLICATION

- Waterproofing: Fastening of the waterproofing complex on waterproofing support solid steel roofing panels.
- Low, medium and high humidity rooms.
- Drilling capacity (CP): 0.7 to 2x1 mm of steel.

MATERIAL & COATING

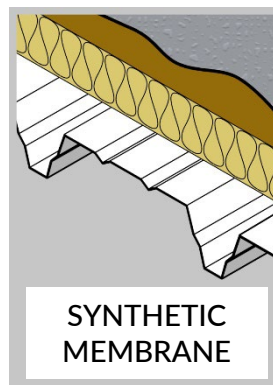
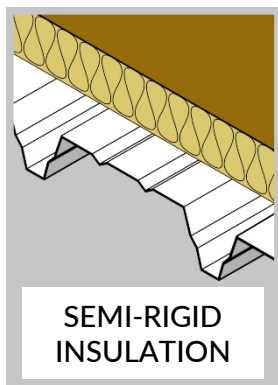
Material:

- Screw body: Austenitic stainless steel A4 – 1.4404 - AISI 316L according to NF EN 10088.
- Drill point and first threads: Treated carbon steel.
- Waterproofing washer: Aluzinc AZ150 coated steel or Z275 galvanized.
- Waterproofing plate: Aluzinc AZ150 coated steel.

Corrosion resistance:

- Screw Body:
By Kesternich test according to NF EN ISO 22479:
Resist to 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.
- Steel point and 1st threads with surface coating:
By salt spray test according to NF EN ISO 9227:
No trace of red rust after 200 hours.
- Z275 galvanized steel washer:
By Kesternich test according to NF EN ISO 22479:
Resist to 12 cycles without the appearance of red rust.
By salt spray test according to NF EN ISO 9227:
No trace of red rust after 200 hours.
- Washer and plate in Aluzinc AZ150 steel:
By Kesternich test according to NF EN ISO 22479:
Resist to 30 cycles without the appearance of red rust.
By salt spray test according to NF EN ISO 9227:
No trace of red rust after 800 hours.

INSTALLATION



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

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).

Related Products:

WASHER Ø70P AZ Hole Ø4.5						
Ø washer (mm)	Hole Ø (mm)	Recess depth (mm)	Ep. (mm)	Coating Type	Pack.	Code
70	4,5	7	1	AZ150	500	294 926*



WASHER Ø70N AC Galva Hole Ø4.5						
Ø washer (mm)	Hole Ø (mm)	Recess depth (mm)	Ep. (mm)	Coating Type	Pack.	Code
70	4,5	6	0,8	Z275	1000	294 721*



PLATE 82x40R AZ Hole Ø5.1						
L x W (mm)	Hole Ø (mm)	Recess depth (mm)	Ep. (mm)	Coating Type	Pack.	Code
82 x 40	5,1	8	1	AZ150	1000	294 705



* Product associated with the screw not benefiting from the European Technical Assessment.

Ø: Nominal diameter – L: Length – W: Width – Ep.: Thickness – Pack.: Packaging

PERFORMANCE

Characteristic resistances:

- Pull-out resistance (Pk) in accordance with the NF P 30-313 standard:

Top steel sheet	Support steel sheet	Pk to daN
WASHER Ø70P AZ Hole Ø4.5	S320 GD - 0.7 mm	125
WASHER Ø70N AC Galva Hole Ø4.5	S320 GD - 0.7 mm	125
PLATE 82x40R AZ Hole Ø5.1	S320 GD - 0.7 mm	125

The values indicated do not include safety factors



- Characteristic resistance (Rk) in accordance with EAD 030351-00-0402:

Top steel sheet	Support steel sheet	Rk to daN
PLATE 82x40R AZ Hole Ø5.1	S320 GD - 0.7 mm	132

The values indicated do not include safety factors



- Unscrewing resistance in accordance with the NF P 30-315 standard:

- 500 cycles before 1/4 turn rotation.
- 900 cycles before 1/2 turn rotation.

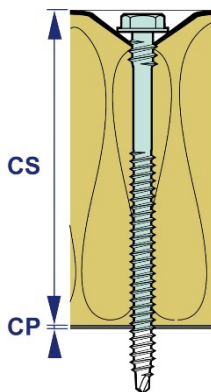


- Resistance to "solid step" in accordance with the NF P 30-317 standard:

- The upper part of the fastener head does not exceed the level of the upper side of the distribution plate for a load of 120 daN.



DIMENSIONS & CODES



Ø x L. (mm)	CP (mm)	CS mini (mm)	CS maxi (mm)	Hexagonal head	Pack.	Code
4.8 x 80	0.7 to 2x1	33	60	8	500	304 205
4.8 x 100	0.7 to 2x1	53	80	8	500	304 207
4.8 x 120	0.7 to 2x1	53	100	8	500	304 208
4.8 x 140	0.7 to 2x1	73	120	8	500	304 209
4.8 x 160	0.7 to 2x1	93	140	8	500	304 210

Ø: Nominal diameter – L.: Rivet length – CP: Drilling capacity – CS mini: Minimum clamping capacity – CS maxi: Maximum clamping capacity – Pack.: Packaging

CONFORMITY

- European Technical Assessment No. 08/0239 issued by the CSTB according to the European Assessment Document 030351-00-0402.
- According to NF DTU 43.3: Implementation of ribbed sheet steel roofs with waterproofing coating.
- The characteristic resistances are the result of tests carried out by the LR ETANCO laboratory.
- Reaction to fire: A1 according to NF EN 13501-1.

MARKING - LABELLING

- On packaging: ISODRILL DF TH8 A4 + Ø4.8 x L + CODE.

QUALITY CONTROL

- ISO 9001 certified quality management system according to certificate in force.

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 give rise to any liability under any circumstances.

Registration date: 14/10/2025 – Revision G

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