

The stud screw for photovoltaic installations on corrugated roof with concrete or wooden load-bearing structure support



Special application on pitched roof



Detail: stud screw STSR with bracket MW SA

VERSIONS

- stud and nuts in stainless steel A2-70 according to EN ISO 3506-1/2;2009

BUILDING MATERIALS

- Concrete beams and slabs
- Concrete hollow slabs
- Wooden beams

FUNCTIONING

- Select stud screws STSR length depending on load-bearing support structure thickness.
- Define stud screws STSR spacing depending on snow and wind load for effective installation area and roof degree.
- Select stud screws STSR position depending on load-bearing support structure and on layout PV installation.
- Drill the load-bearing support structure depending on stud screw STSR diameter.
- Fasten stud screws STSR to the load bearing support structure leading the EPDM washer in contact with the roof.
- Tighten the flanged hex nut MU F on the EPDM washer for water proofing.
- Secure the joint bracket SSP or MW adjusting the distance from the roof through the other 2 flanged hex nuts.

ADVANTAGES

- Complete: the stud screw STSR is provided pre-assembled with EPDM washer, 1 flanged hex nut for fastening and other 2 flanged hex nuts for the connection with joint brackets MW or SSP.
- Fast: quick installation, the roof covering has not to be removed.
- Waterproof: the roof is kepted waterproof through EPDM washer.

APPLICATIONS

Suitable for:

Corrugated roof System with:

- Profile Solar-light
- Profile Solar-fish

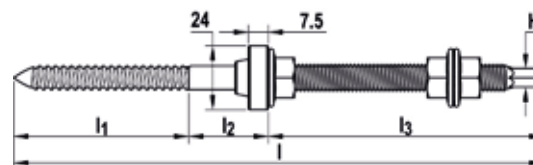
Stud screw STSR fastening:

- With injection system FIS V in concrete beams and slabs
- With injection system FIS V and injection anchor sleeve FIS HK on hollow concrete slab
- Directly on wooden beams after pre-drilling

TECHNICAL DATA



Stud screw with EPDM washer STSR



Item	Art.-No.	Weight	Total length	Wood thread length	Shank length	Metric thread length	Thread	Nominal wood thread	Hexagon nut	Sales unit	GTIN (EAN code)
		W [kg]	l [mm]	l ₁ [mm]	l ₂ [mm]	l ₃ [mm]	M [mm]	Ø [mm]	H	[pcs]	
STSR M10 x 200 mm	071202	0,13	200	66	30	90	M 10	9	7	25	8001132712023
STSR M 10 x 250 mm	071203	0,16	250	66	80	90	M 10	9	7	25	8001132712030
STSR M 12 x 300 mm	071204	0,28	300	100	35	150	M 12	11	9	25	8001132712047
STSR M 12 x 350 mm	071828	0,32	350	100	35	200	M 12	11	9	50	8001132718285

ACCESSORIES



Washer EPDM

Item	Art.-No.	Washer diameter	Washer thickness	Sales unit	GTIN (EAN code)
		G ₁ [mm]	G ₂ [mm]	[pcs]	
G EPDM M 10	071748	24	7,5	50	8001132717486

ACCESSORIES



Flanged hex nut MU F

Item	Art.-No.	Thread	Hexagon nut	Sales unit	GTIN (EAN code)
		M	○ SW	[pcs]	
MU F M 10 A2	071952	M 10	17	100	8001132719527
MU F M 12 A2	071749	M 12	19	100	8001132717493

ACCESSORIES



Vinylester injection mortar FIS V

Item	Art.-No.	Content	Sales unit	GTIN (EAN code)
		[ml]	[pcs]	
FIS V 410 S	521431	1 cartridge 410 ml, 2 x static mixer FIS S	16	4048962172874

ACCESSORI



Injection anchor sleeve FIS HK



Injection anchor sleeve with net FIS HN



Injection push-through anchor sleeve FIS HK

Item	Art.-No.	Fits	Sales unit	GTIN (EAN code)
			[pcs]	
FIS H 16 x 85 K	041902	STSR M 10	50	8001132419021
FIS H 16 x 130 K	041905	STSR M 10	20	8001132419052
FIS H 20 x 85 K	041906	STSR M 12	20	8001132419069
FIS H 20 x 130 K	046703	STSR M 12	20	4001132467033
FIS H 20 x 200 K	046704	STSR M 12	20	4006209467046
FIS H 18 x 85 N	050472	STSR M 10	20	4006209504703
FIS H 20 x 85 N	050474	STSR M 12	20	4006209504727
FIS H 18 x 130/200 K	045707	STSR M 10, STSR M 12	10	4006209457078