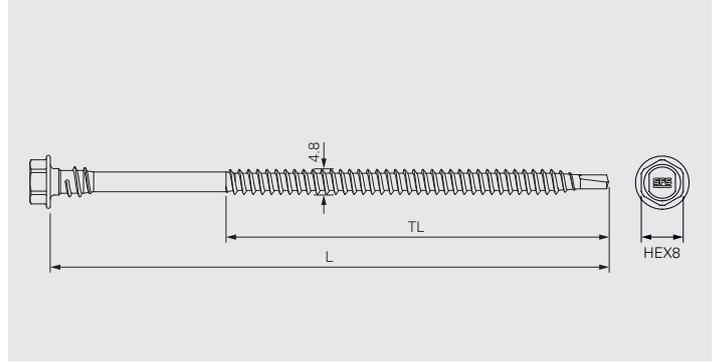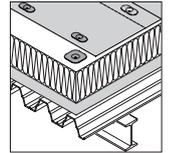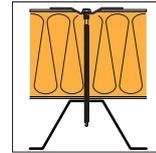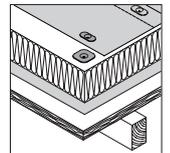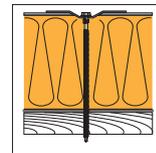![SFS]

IR2-S-4,8 / IR2-S-M-4,8

Application 1

Stainless steel fastener for waterproof membrane and insulation securement on steel deck, loose and belted. For applications with increased requirements, such as high relative humidity, chemical aggressive atmospheres or conditions (e.g. coastal environments). For refurbishments with unknown condition of the existing build-up or build-up with abrasive layers that may damage the corrosion protection. If extended design life and/or warranty is required.

Substrate material quality:	S235–S320GD
Substrate material tythickness:	min. 0.6 mm
	max. 2×1.0 mm
Setting depth:	min. 20 mm
Fastener length L:	Clamping length CL + min. 20 mm

Application 2

Stainless steel fastener for waterproof membrane and insulation securement on timber and timber-based boards, loose and belted. For applications with increased requirements, such as high relative humidity, chemical aggressive atmospheres or conditions (e.g. coastal environments).
For refurbishments with unknown condition of the existing build-up or build-up with abrasive layers that may damage the corrosion protection. If extended design life and/or warranty is required.

Material thickness:	min. 18 mm
Setting depth:	min. 30 mm
Fastener length L:	Clamping length CL + min. 30 mm

Product Information

Material:	Austenitic stainless steel, European standard 1.4401, grade A4, AISI 316
	Drill tip and thread inlet, length 13 mm: Case hardened carbon steel, galvanised

Approvals/Assessments

CE 08
ETA-08/0262

Declaration of Performance (DoP)

Features and Benefits

- Stainless steel quality A4, 1.4401, AISI 316
- Fast and easy installation due to optimised drill tip
- High pull-out values with asymmetric fastener thread
- Environment friendly, free of Chromium VI
- Support thread under the fastener head provides a treadfast fastening system

Product Range
Loose fasteners

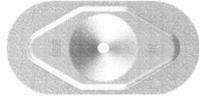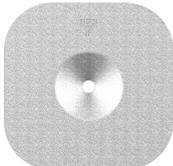| Product Code	L mm	TL mm		PU	Material No.
IR2-S-4,8×60	60	45		500	484741
IR2-S-4,8×80	80	65		500	492787
IR2-S-4,8×100	100	75		500	492793
IR2-S-4,8×120	120	75		500	484743
IR2-S-4,8×140	140	75		250	496263
IR2-S-4,8×160	160	75		250	496265
IR2-S-4,8×180	180	75		100	1258202
IR2-S-4,8×200	200	75		100	1258205
IR2-S-4,8×220	220	75		100	1258207
IR2-S-4,8×240	240	75		100	1258209
IR2-S-4,8×260	260	75		100	1258221

Belted fasteners

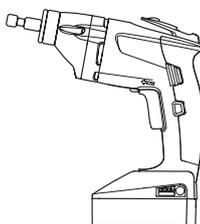| Product Code	L mm	TL mm		PU	Material No.
IR2-S-M-4,8×80	80	65		750	624865
IR2-S-M-4,8×100	100	75		750	624857
IR2-S-M-4,8×120	120	75		750	624858
IR2-S-M-4,8×140	140	75		750	624859
IR2-S-M-4,8×160	160	75		750	624861
IR2-S-M-4,8×180	180	75		750	1614901
IR2-S-M-4,8×200	200	75		750	1614909
IR2-S-M-4,8×220	220	75		750	1614903
IR2-S-M-4,8×240	240	75		750	1614904

Installation just possible with IF240, IF240-B

Products to combine with

Product Code	Description	
IR-82×40	Stress plate for waterproof membrane and insulation securement. For seam fastening application.	
IF-70×70	Stress plate for insulation securement.	

Tools and Accessories

Product Code	Description	
IF240-B	Automated setting tool for the fast and economic installation of fasteners and stress plates. For belted fasteners IR2-M-4,8 and IR2-S-M-4,8 and stress plates IR-82×40, IF/IG-C-82×40 and IF-70×70.	
ZA¼"	Drive bar for socket, for manual fastener installation	
E380-3/8"-34	Socket for fastener with HEX 8 head, for manual fastener installation	

Recommendations for Installation

Operating process	Recommendation	
Screwing in	Power screwdriver • 1000–3000 rpm • Min. 500 W Battery tool • 1000–3000 rpm • Min. 18 V • Battery with min. 2,5 Ah	