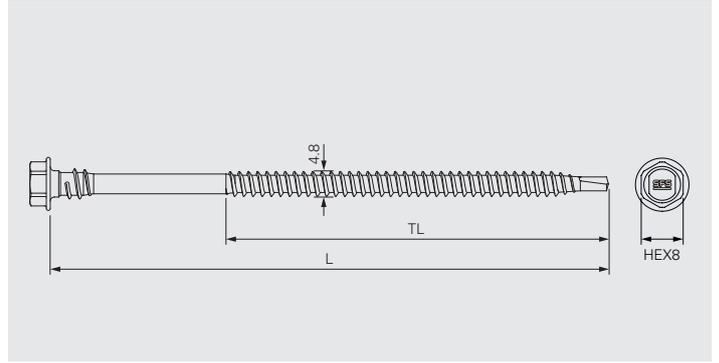
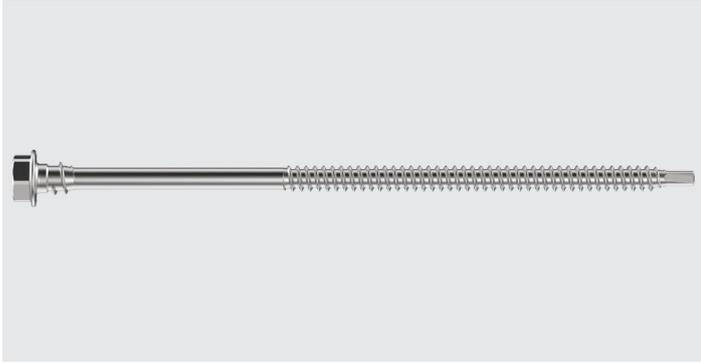


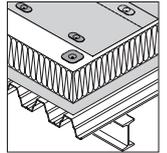
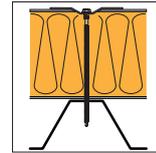
# IR2-4,8 / IR2-M-4,8



## Application 1

Carbon steel fastener for waterproof membrane and insulation securement on steel deck, loose and belted.

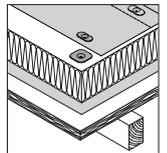
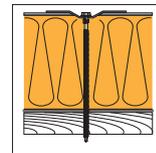
Substrate material quality: S235–S320GD  
 Substrate material thickness: min. 0.6 mm  
 max. 2×1.25 mm or 1×2.0 mm  
 Setting depth: min. 20 mm  
 Fastener length L: Clamping length CL + min. 20 mm



## Application 2

Carbon steel fastener for waterproof membrane and insulation securement on timber and timber-based boards, loose and belted.

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



## Product Information

Material: Case hardened carbon steel  
 Corrosion protection: Durocoat®  
 Resistance 15 cycles Kesternich test according to  
 • EAD 030351-00-0402, A2.4  
 • FM Approval Standard 4470

## Approvals/Assessments



Declaration of Performance (DoP)

### Features and Benefits

- Fast and easy installation due to optimised drill tip
- High pull-out values with asymmetric fastener thread
- High quality corrosion protection, environment friendly, free of Chromium VI
- Support thread under the fastener head provides a treadfast fastening system
- FM approved with exceptional high ratings

## Product Range Loose fasteners

Product Code	L <sub>mm</sub>	TL <sub>mm</sub>	PU	Material No.
IR2-4,8×60	60	45	1000	486461
IR2-4,8×70	70	55	500	486469
IR2-4,8×80	80	65	500	486472
IR2-4,8×90	90	75	500	486476
IR2-4,8×100	100	75	500	486500
IR2-4,8×120	120	75	500	486505
IR2-4,8×140	140	75	250	486508
IR2-4,8×160	160	75	250	486512
IR2-4,8×180	180	75	100	486515
IR2-4,8×200	200	75	100	486517
IR2-4,8×220	220	75	100	486520
IR2-4,8×240	240	75	100	486523
IR2-4,8×260	260	75	100	486526
IR2-4,8×280	280	75	100	486529
IR2-4,8×300	300	75	100	486531

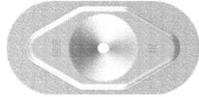
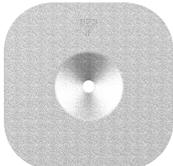


## Belted fasteners

Product Code	L <sub>mm</sub>	TL <sub>mm</sub>	PU	Material No.
IR2-M-4,8×60	60	45	750	25624
IR2-M-4,8×70	70	55	750	28017
IR2-M-4,8×80	80	65	750	25625
IR2-M-4,8×90	90	75	750	25735
IR2-M-4,8×100	100	75	750	25626
IR2-M-4,8×120	120	75	750	25627
IR2-M-4,8×140	140	75	750	25628
IR2-M-4,8×160	160	75	750	25629
IR2-M-4,8×180	180	75	750	1614906
IR2-M-4,8×200	200	75	750	1614908
IR2-M-4,8×220	220	75	750	1614898
IR2-M-4,8×240	240	75	750	1614899

Installation just possible with 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 <ul style="list-style-type: none"> <li>• 1000–3000 rpm</li> <li>• Min. 500 W</li> </ul> Battery tool <ul style="list-style-type: none"> <li>• 1000–3000 rpm</li> <li>• Min. 18 V</li> <li>• Battery with min. 2,5 Ah</li> </ul>	