

isofast® TPR-L-6,3**Technical information****Application**

For the fastening of waterproof membrane and insulation to aluminium, thin concrete, wood-wool and problem decks, where conventional threaded fasteners may not achieve sufficient performance.

Minimum thickness for steel:

Minimum thickness for aluminium:

Minimum clamping length:

TPR-L

$t \geq 0,50$ mm

$t \geq 0,60$ mm

$KL \geq 10,0$ mm

Material**Fastener**

- TPR-L-6,3

Body: Aluminium/magnesium alloy

Mandrel: Zinc plated steel

Stress plates

- ID-70x70 / IF/IG-C-82x40 / IRD-82x40

Steel 1,0 mm, zinc plated

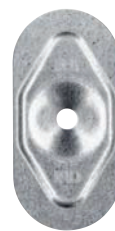
Resistance at 15 cycles Kesternich test according to ETAG 006 - D.3.1. and FM Approval Standard 4470 requirements

Stress plates**ID-70x70**

- Stress plate for insulation, hole diameter 7,5 mm

IF/IG-C-82x40

- Stress plate for membrane and insulation on hard substrates, hole diameter 7,5 mm

IRD-82x40

- Stress plate for membrane and insulation, hole diameter 7,5 mm


Technical information**Tools and accessories****IP50-B**

- Battery setting tool for the installation of TPR-L Peel Rivets

TAURUS® 2 Peel Rivet

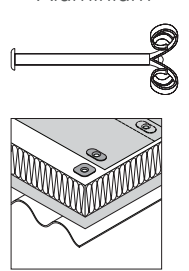

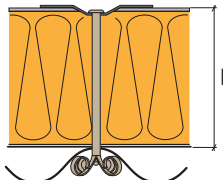
- Pneumatic-hydraulic setting tool for the installation of TPR-L Peel Rivets

Order information



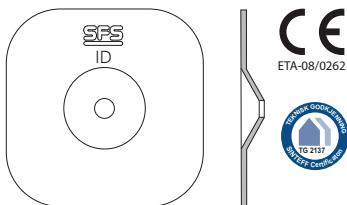
Head Ø 12,5 mm

KL clamping length | M magazine loaded | d thread diameter | L length | t thickness of structure | All measures in mm

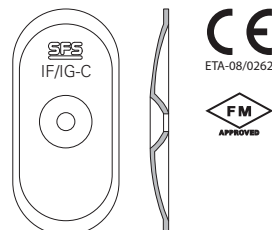
Product / Application	Approval	Order code			KL		Application information
		TPR-L- 6,3x	38		IF/IG-C-82x40	ID-70x70	
▲ Aluminium 		TPR-L-	6,3x	38	10* - 15	15* - 20	 <p>t min. steel: _____ 0,5 mm</p> <p>t min. alu: _____ 0,6 mm</p> <p>Build-up: Insulation compressive strength at 10% compression min. 0,1 N/mm². Weight density of EPS insulation min. 20 kg/m³.</p> <p>Clamping length KL: KL = total roof build-up between bottom edge substrate and top edge membrane</p> <p>KL = thickness substrate + thickness vapour barrier + thickness insulation + thickness membrane</p> <p>*Minimum KL due to the mandrel which stays inside the body of the Peel Rivet. Smaller KL than minimum KL are not allowed.</p> <p>Setting: To be installed via a pilot hole. Pull-out and application tests recommended.</p>
		TPR-L-	6,3x	51	10* - 26	15* - 26	
		TPR-L-	6,3x	64	20* - 39	25* - 39	
		TPR-L-	6,3x	76	20* - 51	25* - 51	
		TPR-L-	6,3x	88	28 - 63		
		TPR-L-	6,3x	102	42 - 77		
		TPR-L-	6,3x	127	67 - 102		
		TPR-L-	6,3x	152	92 - 127		
		TPR-L-	6,3x	178	118 - 153		
		TPR-L-	6,3x	203	143 - 178		
		TPR-L-	6,3x	229	169 - 204		
		TPR-L-	6,3x	254	194 - 229		

Stress plates

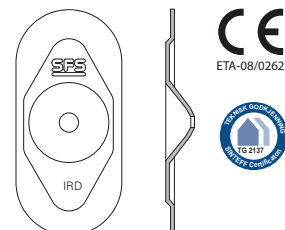
ID-70X70



IF/IG-C-82X40



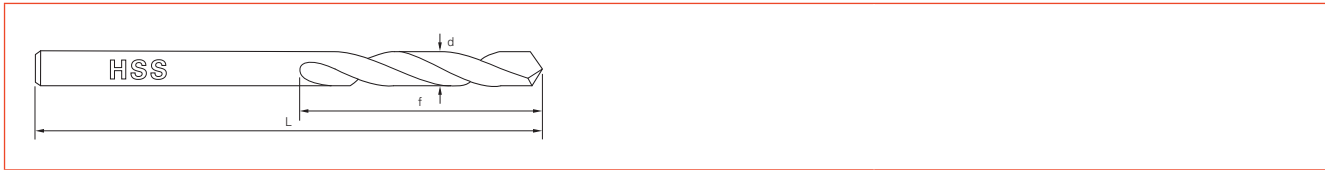
IRD-82X40



Tools and accessories can be found in chapter 10

HSS

Order information



d diameter | L Length | f flute length | All measures in mm

Order code				Application information
Type	d	L	f	
HSS-	7,0x	109/	69	For steel or aluminium decks.
HSS-	7,0x	156/	102	
HSS-	7,0x	225/	155	
HSS-	7,0x	290/	200	
HSS-	7,0x	370/	250	