

isofast® DT-4,8 / DT-6,3**Technical information****Application**

For the fastening of waterproof membrane and insulation to solid, dense concrete of minimum grade C12/15.

Material**Fastener**

- DT-4,8 / DT-6,3
- Case hardened carbon steel
- Durocoat® corrosion protection:
- Resistance at 15 cycles of Kesternich test according to ETAG 006 - D.3.1. and FM Approval Standard 4470 requirements
- Environment-friendly, free of chromium VI

Stress plates

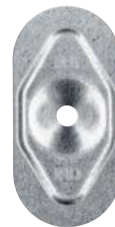
- ID-70x70 / IF/IG-C-82x40 / IRD-82x40
- Steel 1,0 mm, zinc plated
- Resistance at 15 cycles of Kesternich test according to ETAG 006 - D.3.1. and FM Approval Standard 4470 requirements

Stress plates**ID-70x70**

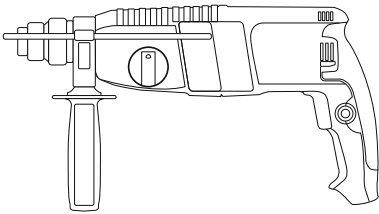
- Stress plate for insulation, hole diameter 7,5 mm

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

isofast® DT-4,8 / DT-6,3**Technical information****Tools and accessories****Recommendation for pre-drilling****ZD15**

- Hammer drill with weight class 2 - 3 kg, impact energy $\leq 2,5$ J



- Setting tool for the installation of DT impact anchor

Order information

Mushroom head, $L \leq 51 \text{ mm } \varnothing 11,0 \text{ mm}$
 $L \geq 64 \text{ mm } \varnothing 9,7 \text{ mm}$

SFS

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	Drill bits	Application information
		Type	d	L			
<p>■ Carbon steel</p>		DT- 4,8x	28	3	4,8x160	<p>Build-up: Thickness concrete deck t min. 60 mm. Edge distance: min. 60 mm Insulation compressive strength at 10% compression 0,1 N/mm².</p> <p>Clamping length KL: Total roof build-up between top edge substrate and top edge membrane</p> <p>KL = thickness vapour barrier + thickness insulation + thickness membrane</p> <p>Setting: Sd (Setting depth): min. 25 mm Depth of pilot hole to be min. 15 mm deeper than the setting depth of the DT impact anchor, depending on site conditions.</p>	
DT- 4,8x		32	7	160			
DT- 4,8x		38	13	160			
DT- 4,8x		51	26	160			
DT- 4,8x		64	39	160			
DT- 4,8x		76	51	160			
DT- 4,8x		89	64	210			
DT- 4,8x		102	77	210			
DT- 4,8x		115	90	210			
DT- 4,8x		127	102	210			
DT- 4,8x		140	115	260			
DT- 4,8x		152	127	260			

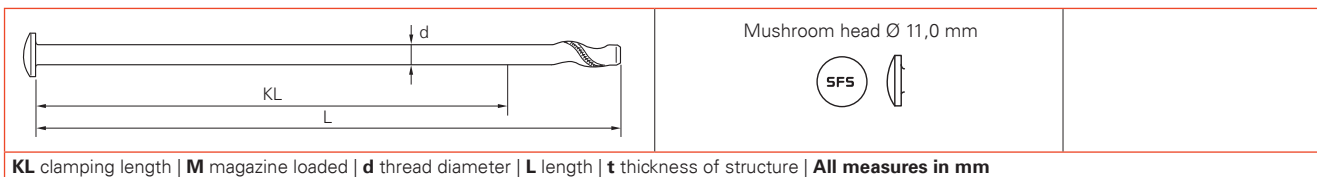
Stress plates

ID-70X70

IF/IG-C-82X40

IRD-82X40

Order information



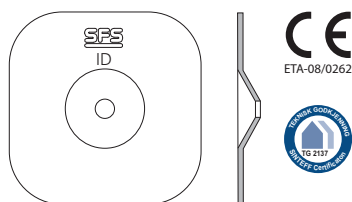
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Product / Application	Approval	Order code			KL	Drill bits	Application information
		Type	d	L			
■ Carbon steel		DT- 6,3x		38	6	6,3x160	<p>Build-up: Thickness concrete deck t min. 60 mm. Edge distance: min. 60 mm Insulation compressive strength at 10% compression 0,1 N/mm².</p> <p>Clamping length KL: Total roof build-up between top edge substrate and top edge membrane</p> <p>KL = thickness vapour barrier + thickness insulation + thickness membrane</p> <p>Setting: Sd (Setting depth): min. 32 mm Depth of pilot hole to be min.15 mm deeper than the setting depth of the DT impact anchor, depending on site conditions.</p>
		DT- 6,3x		51	19	160	
		DT- 6,3x		102	70	210	
		DT- 6,3x		140	108	260	
		DT- 6,3x		152	120	260	
		DT- 6,3x		165	133	260	
		DT- 6,3x		178	146	260	
		DT- 6,3x		191	159	285	
		DT- 6,3x		203	171	285	
		DT- 6,3x		216	184	360	
		DT- 6,3x		229	197	360	
		DT- 6,3x		241	209	360	
		DT- 6,3x		254	222	360	
		DT- 6,3x		267	235	360	
		DT- 6,3x		279	247	410	
		DT- 6,3x		292	260	410	
		DT- 6,3x		305	273	410	
		DT- 6,3x		330	298	510	
		DT- 6,3x		356	324	510	
		DT- 6,3x		381	349	510	
		DT- 6,3x		406	374	510	
		DT- 6,3x		432	400	510	

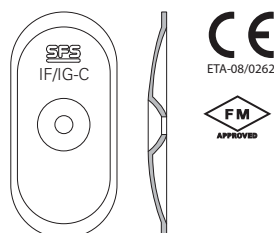


Stress plates

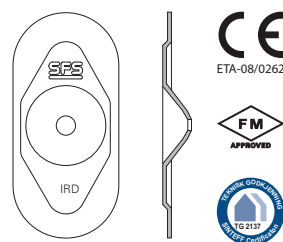
ID-70X70



IF/IG-C-82X40



IRD-82X40



Tools and accessories can be found in chapter 10