SFT

SFP

SFM

CHARACTERISTICS

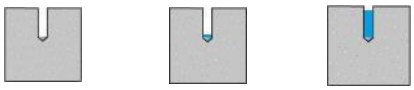
- Mechanical interference between thread and concrete.
- Use in cracked and non-cracked concrete.
- Suitable for use in concrete when reduced edge distances or spacing is required.
- Qualified for static and cuasi-static.
- Easy installation.
- Installation through the fixture.
- Pilot hole in concrete needed, thread is created by the own anchor during the installation process.
- Removable, leaving concrete surface flat.
- Available in INDEXcal.

BASE MATERIAL

SIZE

Ø6

DRILL CONDITIONS



DRY WET FLOODED

APPLICATION

- Non-structural fixing in cracked and uncracked concrete subject to internal conditions.
- Glazing, windows and storefronts.
- Racking and shelving.
- Attaching railings, handrails and ledgers.
- Pipes

ASSESMENTS

CE NON STRUCTURAL FIXINGS ETA 20/0494

FIRE RESISTANCE

MAXIMUMUM RECOMMENDED LOADS FOR CRACKED AND UNCRACKED CONCRETE [kg]

SFT

80

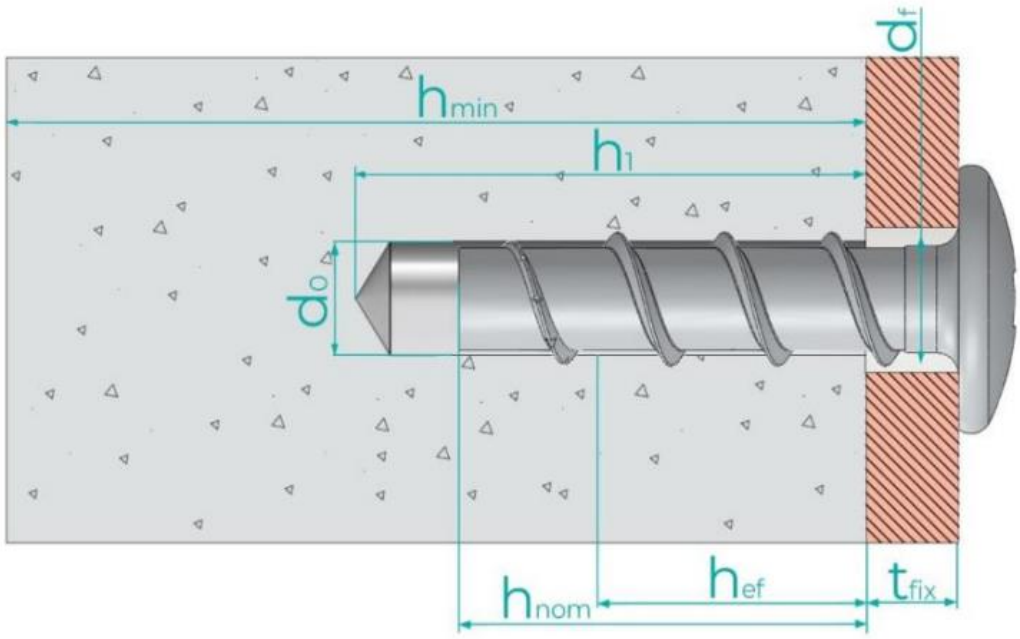
Ø6

1. RANGE

ITEM	CODE	SIZE	PHOTO	DESCRIPTION	MATERIAL	COVERING
1	**SFT**	Ø6		Truss head. Six lob recess	Carbon steel, Zinc plated coating	
2	**SFP**	Ø6		Pan head. Six lob recess	Carbon steel, Zinc plated coating	
3	**SFM**	Ø6		Male thread M6	Carbon steel, Zinc plated coating	

2. INSTALLATION DATA

2.1. INSTALLATION DRAWING



d_0: Nominal diameter of drill bit
d_f: Fixture clearance hole diameter
h_{ef}: Effective anchorage depth
h_1: Depth of drilled hole
h_{nom}: Overall fastener embedment depth in the concrete
h_{min}: Minimum thickness of concrete member
t_{fix}: Fixture thickness

3.INSTALLATION PARAMETERS

Parameters in concrete			Performances Ø6
d_0	Drill bit nominal diameter	[mm]	6
d_f	Fixture clearance hole diameter	[mm]	7
h_1	Depth of drilled hole	[mm]	30
h_{nom}	Overall anchor embedment depth	[mm]	25
T_{inst}	Installation torque	[Nm]	10
h_{ef}	Effective anchorage depth	[mm]	18,7
h_{min}	Minimum thickness of concrete member	[mm]	80
t_{fix}	Fixture thickness*	[mm]	L - 25
c_{cr}	Edge distance in concrete	[mm]	40
s_{cr}	Spacing	[mm]	45

*L = Total anchor length.

4. INSTALLATION PROCEDURE

5.1 CONCRETE AND HOLLOW CORE INSTALLATION

1. DRILL
Check the concrete is well compacted and without significant porosity.
Suitable for dry, wet and flooded holes.
Drill a hole according to specified diameter and depth, using drill bit in rotary plus hammer mode.

2. BLOW AND CLEAN
Remove dust and debris from hole according to chart.
Use blow pump and brush.

3. INSTALL
Select a torque wrench that does not exceed the maximum torque indicated in previous table.
Attach an appropriately sized hex socket or six lob bit to the wrench.
Drive the anchor into the hole until the head comes in contact with the fixture.
The anchor must be snug after installation.

Do not use of impact screwdriver. For installation with an electrical screwdriver please note the installation torque. The anchor is correct installed if the head of the anchor is supported on the fixture and further turning of the anchor is not possible.

5.Resistance

Values for all loads directions in concrete C20/25 to C50/60			Performance Ø6
F_{Rk}	Characteristic resistance	[kN]	2,0
F_{Rd}	Calculation resistance	[kN]	1,1
F_{rec}	Maximum recommended load*	[kN]	0,79

* Partial safety factor ($\gamma_F = 1{,}4$) .

6. OFFICIAL DOCUMENTATION

The following documents are available on our official website www.indexfix.com:

- European assessment ETA 25/0078 for installation in cracked and non-cracked concrete in non-structural redundant systems according to guideline EAD330747-08-0601.
- Declaration of performance DoP SFT.
- Available in the anchor design software INDEXcal.