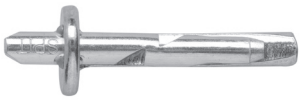
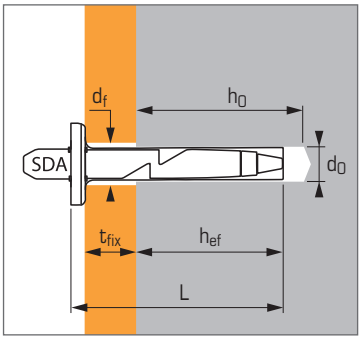


Ceiling anchor for multiple use of non-structural applications

ETA
European Technical Assessment
ETAG 001-6 - 10/0166



APPLICATION

- Fixing on ceiling
- Fixing only for multiple use of non-structural applications

Technical data

Anchor size	Anchor depth (mm) h_{ef}	Max. thickness of part to be fixed (mm) t_{fix}	Drilling depth (mm) h_0	Drilling diameter (mm) d_0	Total anchor length (mm) L	Clearance diameter (mm) d_f	Code
6X35/5	32	5	40	6	43	7	842500
6X65/35	32	35	40	6	73	7	842530

Head Ø of the anchor: 15,1 mm

Characteristic resistance (N_{Rk}) in kN

TENSILE

Anchor size / Base material	6X35/5	6X65/5
Concrete (C20/25 to C50/60)		
N_{Rk}	5,0	5,0

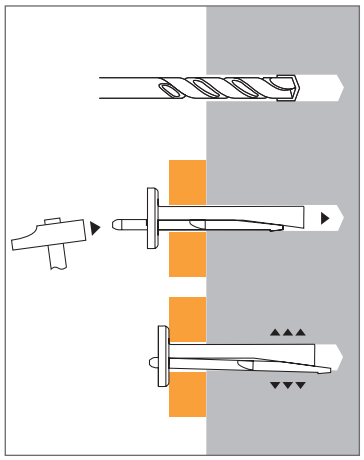
Design loads (N_{Rd}) and recommended loads (N_{rec}) for one anchor without edge or spacing influence in kN

$$N_{Rd} = \frac{N_{Rk}^{*}}{\gamma_M}$$

*Derived from tests results

$$N_{rec} = \frac{N_{Rk}^{*}}{\gamma_M \cdot \gamma_F}$$

INSTALLATION



TENSILE

Anchor size / Base material	6X35/5	6X65/5
Concrete (C20/25 to C50/60)		
N_{Rd}	3,3	3,3
N_{rec}	2,4	2,4

$\gamma_M = 1,5$; $\gamma_F = 1,4$

Spacing data

IN CONCRETE

	Characteristic distance between anchors and from edges and minimum thickness of concrete member (mm)		
	s_{min}	c_{min}	h_{min}
6X35/5	200	150	80
6X65/35	200	150	80

Fire behaviour

Design loads in kN

Fire duration	30 min.	1 h	1 h 30 min.	2 h
$F_{Rd,fi}$	0,80	0,70	0,60	0,40

$\gamma_M = 1,0$