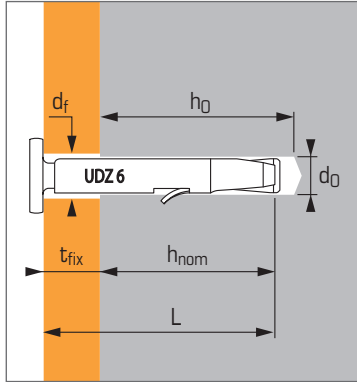


Wedge anchor for multiple use of non-structural applications



Technical data

Anchor size	Anchor depth (mm) h_{ef}	Max. thickness of part to be fixed (mm) t_{fix}	Drilling depth (mm) h₀	Drilling diameter (mm) d₀	Total anchor length (mm) L	Clearance diameter (mm) d_f	Code
6X40/5	30	5	50	6	40	7	060084

Characteristic resistance (N_{Rk}) in kN

TENSILE

Anchor size	6X40/5
Base material	
Concrete (C20/25 to C50/60)	
N_{Rk}	1,5

APPLICATION

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

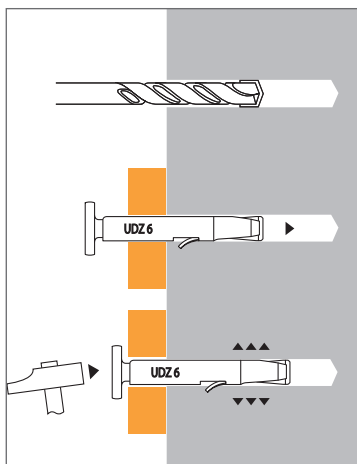
Design loads (N_{Rd}) and recommended loads (N_{rec}) for one anchor without edge or spacing influence in kN

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

* Derived from tests results

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

INSTALLATION



TENSILE

Anchor size	6X40/5
Base material	
Concrete (C20/25 to C50/60)	
N_{Rd}	1,00
N_{rec}	0,71
$\gamma_M = 1,5 ; \gamma_F = 1,4$	

Fire behaviour

Design loads in kN

Fire duration	30 min.	1 h	1 h 30 min.	2 h
F_{Rd,fi}	0,45	0,36	0,26	0,26
$\gamma_M = 1,0$				

Spacing data

IN CONCRETE

Characteristic distance between anchors and from edges and minimum thickness of concrete member (mm)

	S_{min}	C_{min}	h_{min}
6X40/5	200	100	80