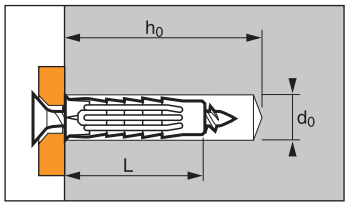
Pro 6



Applications

- Lightweight fixing in all base materials
- Small electrical accessories, small light fittings, electrical enclosures

Material

- Polyamide 6
- Suitable -20° + 40°C

Technical data

TYPE	Ø screw (mm)	Ø drill bit (mm)	Drilling depth (mm)	Anchor length (mm)	Eurocode without VBA screw	Eurocode with VBA screw
		d_o	h_o	L		
PRO6 5x25	3 - 4	5	35	25	565642	565646
PRO6 6x30	4 - 5	6	40	30	565643	565647
PRO6 8x40	4,5 - 6	8	50	40	565644	565648
PRO6 10x50	6 - 8	10	65	50	565645	565649

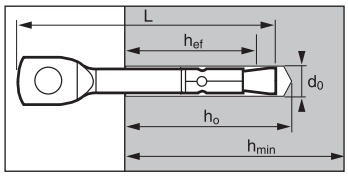
Recommended load and ultimate loads with wood screw

TENSILE kN 

TYPE	Ø woodscrew (mm)	Concrete ≥ C 20/25		Hollow concrete block B 40		Clay brick BP 400		Hollow clay brick Eco 40	
		N_{rec}*	$N_{u,m}$*	N_{rec}*	$N_{u,m}$*	N_{rec}*	$N_{u,m}$*	N_{rec}*	$N_{u,m}$*
PRO 5	4	0,28	1,4	0,23	1,15	0,2	1,0	0,17	0,85
PRO 6	5	0,45	2,25	0,3	1,5	0,26	1,3	0,19	0,95
PRO 8	6	0,7	3,5	0,43	2,15	0,35	1,75	0,23	1,15
PRO 10	8	1,2	6,0	0,46	2,3	0,6	3,0	0,25	1,25

* indicative values - the loads must be lower than 50% in function of the type of screw used.

P6 Wirehanger

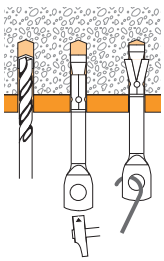


Applications

- Suspended ceiling
- Lighting

Installation

- Drill Ø6 hole, depth 35 mm and insert the anchor using a hammer
- Set the anchor using a claw hammer



Technical data

TYPE	Anchorage depth (mm)	Min. thickness of base material (mm)	Drilling diameter (mm)	Drilling depth (mm)	Total anchor length (mm)	Eurocode
	h_{ef}	h_{min}	d_o	h_o	L	
P6	25	50	6	35	64	920837

Anchor mechanical properties

f_{uk} (N/mm²) min. tensile strength	450
f_{yk} (N/mm²) Yield strength	400

Recommended loads (kN)

TENSILE kN 

OBLIQUE kN 

SHEAR kN 

TYPE	h_{ef}	Concrete C 20/25 N_{rec}	C 20/25 $N_{u,m}$	C 30/37 N_{rec}	C 30/37 $N_{u,m}$	≥ C 40/50 N_{rec}	≥ C 40/50 $N_{u,m}$
P6	25	1,50	6,00	1,80	7,00	2,20	8,60
TYPE	h_{ef}	V_{rec}	$V_{u,m}$	V_{rec}	$V_{u,m}$	V_{rec}	$V_{u,m}$
P6	25	1,40	5,60	1,70	6,80	1,70	6,80

Concrete rendered (max 5 mm): recommended load reduced to 50%

Fire behaviour

Characteristic resistance* (kN)		
Exposure time	60 min	120 min
P6	0,085	0,045

*Values calculated according to the technical report TR 020 published by EOTA "Evaluation of anchorages in concrete concerning resistance to fire".