FIX-NF+ Nylon ekspansion plug with collar and screw

Easy-to-install plug with collar and screw giving exceptional performance in solid base materials

Product information

Features and benefits

- Anti-rotation fins prevent spinning during tightening of the screw.
- Engineered grip feature for extra holding power.
- Two-way expansion mechanism provides a strong anchorage in solid base materials.
- Flange ensures flush fit to surface.

Applications

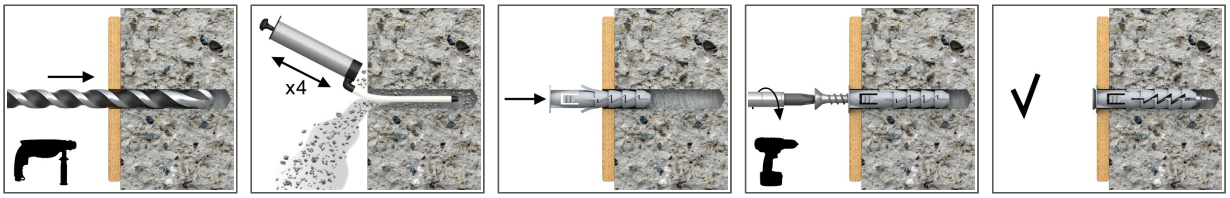
- Pictures
- Lighting
- Skirting / Dado railing
- Shelves
- Trunking
- Cable trays
- Electrical fittings
- Letterboxes

Base materials

Approved for use in:

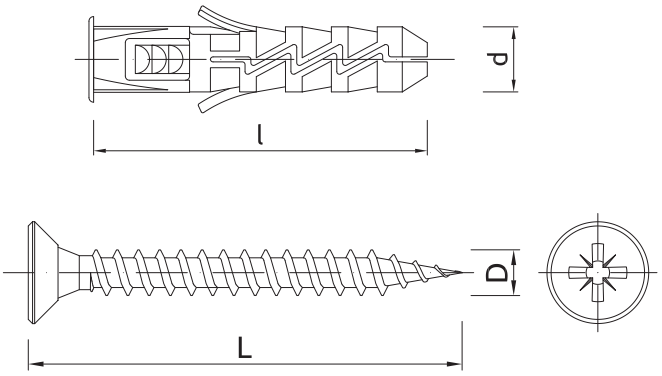
- Concrete
- Solid Brick
- Solid Sand-lime Brick
- Aerated Concrete Block

Installation guide



1. Drill a hole of required diameter.
2. Insert FIX plug into hole and tap home.
3. Insert screw of required diameter into plug through fixture and tighten.

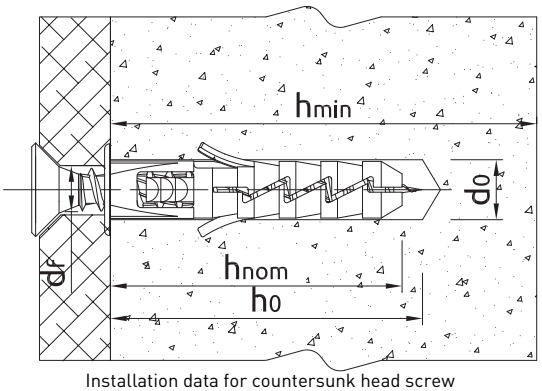
Product information



Product dimensions

Size	Product Code	Plug		Fixture		Screw	
		Diameter	Length	Max. thickness	Hole diameter	Diameter	Length
		d	l	t_{fix}	d_f	D	L
		[mm]					
Ø6	FIX-NF-06+	6	30	1	4	3,5	30
	FIX-NF-06+340	6	30	10	4	3,5	40
	FIX-NF-06+350	6	30	20	4	3,5	50
	FIX-NF-06+440	6	30	10	5	4,0	40
	FIX-NF-06+450	6	30	20	5	4,0	50
Ø8	FIX-NF-8+	8	40	5	6	5,0	45
	FIX-NF-08+450	8	40	10	5	4,5	50
	FIX-NF-08+460	8	40	20	5	4,5	60
	FIX-NF-08+550	8	40	10	6	5,0	50
Ø10	FIX-NF-10+560	10	50	10	6	5,0	60

Installation data



Installation data for countersunk head screw

Size			Ø6	Ø8	Ø10
Fixing diameter	d	[mm]	6	8	10
Hole diameter in substrate	d_0	[mm]	6	8	10
Min. hole depth in substrate	h_0	[mm]	40	50	60
Min. installation depth	h_{nom}	[mm]	30	40	50
Min. substrate thickness	h_{min}	[mm]	60	70	80
Min. spacing	s_{min}	[mm]	30	40	30
Min. edge distance	c_{min}	[mm]	30	40	40

Basic performance data

Performance data for single fixing without influence of edge distance and spacing

Substrate		Concrete C20/25 - C50/60	Solid clay brick min 20MPa (eg Mz20/2.0)	Sand-lime solid brick	Aerated concrete 600 Mark V
MEAN ULTIMATE LOAD $F_{Ru,m}$					
Ø6, Embedment depth 30mm	[kN]	0.24	1.11	0.65	0.76
Ø8, Embedment depth 40mm	[kN]	1.02	2.92	1.65	1.17
Ø10, Embedment depth 50mm	[kN]	0.78	1.86	1.62	1.64
CHARACTERISTIC LOAD F_{Rk}					
Ø6, Embedment depth 30mm	[kN]	0.15	0.40	0.30	0.40
Ø8, Embedment depth 40mm	[kN]	0.50	2.00	1.20	0.75
Ø10, Embedment depth 50mm	[kN]	0.40	0.90	0.60	0.90
DESIGN LOAD F_{Rd}					
Ø6, Embedment depth 30mm	[kN]	0.08	0.16	0.12	0.20
Ø8, Embedment depth 40mm	[kN]	0.27	0.80	0.48	0.37
Ø10, Embedment depth 50mm	[kN]	0.22	0.36	0.24	0.45
RECOMMENDED LOAD F_{rec}					
Ø6, Embedment depth 30mm	[kN]	0.06	0.11	0.09	0.14
Ø8, Embedment depth 40mm	[kN]	0.19	0.57	0.34	0.26
Ø10, Embedment depth 50mm	[kN]	0.16	0.26	0.17	0.32