

KKS Frame fixing with short expansion zone - countersunk pozi-drive

Frame fixing with short expansion zone



Product information

Features and benefits

- Countersunk screw and plug allows perfect installation in soft materials (e.g. wood)
- Durable, high quality PA6 grade nylon plug for extended fixing life
- Tough nylon sleeve prevents frame distortion during tightening
- Zig-zag design ensures enhanced expansion
- Special design with anti-rotation lugs
- No marking out required - drill straight through the frame

Applications

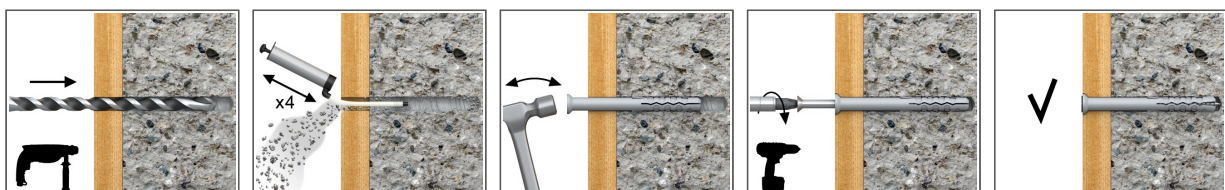
- Door and window frames

Base materials

Approved for use in:

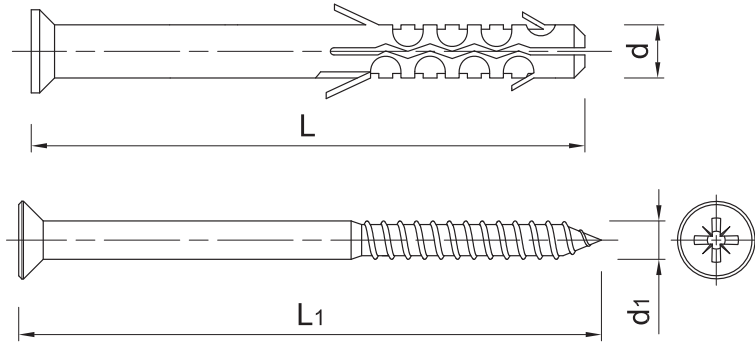
- Concrete
- Solid Brick

Installation guide



1. Drill a hole of required diameter and depth
2. Lightly tap the plug through the fixture into hole with a hammer, until fixing depth is reached
3. Tighten the screw

Product information



Size	Product Code	Plug		Screw		Fixture		
		Diameter	Length	Diameter	Length	Max. thickness		Hole diameter
		d	l	d ₁	L1	t _{fix} Concrete	t _{fix} Solid brick	d _i
[mm]								
Ø8	KKS-08060	8	60	4.9	65	20	-	9
	KKS-08080	8	80	4.9	85	40	20	9
	KKS-08100	8	100	4.9	105	60	40	9
	KKS-08120	8	120	4.9	125	80	60	9

Installation data

Substrate			Concrete C20/25 -	Solid brick 15MPa
Hole diameter in substrate	d ₀	[mm]	8	8
Min. hole depth in substrate	h ₀	[mm]	50	70
Min. installation depth	h _{nom}	[mm]	40	60
Min. substrate thickness	h _{min}	[mm]	100	100
Min. spacing	s _{min}	[mm]	60	60
Min. edge distance	c _{min}	[mm]	60	60
Fixing diameter	d	[mm]	8	8

Basic performance data

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

Substrate		Concrete C20/25 - C50/60	Solid brick 15MPa
MEAN ULTIMATE LOAD F_{Ru,m}			
Ø8, Effective embedment depth 40 mm	[kN]	1.68	-
Ø8, Effective embedment depth 60 mm	[kN]	-	1.11
CHARACTERISTIC LOAD F_{Rk}			
Ø8, Effective embedment depth 40 mm	[kN]	1.35	-
Ø8, Effective embedment depth 60 mm	[kN]	-	0.80
DESIGN LOAD F_{Rd}			
Ø8, Effective embedment depth 40 mm	[kN]	0.75	-
Ø8, Effective embedment depth 60 mm	[kN]	-	0.32
RECOMMENDED LOAD F_{Rec}			
Ø8, Effective embedment depth 40 mm	[kN]	0.54	-
Ø8, Effective embedment depth 60 mm	[kN]	-	0.23

Product commercial data

Product Code	Plug	Screw		Quantity [pcs]			Weight [kg]			Bar Codes
	Diameter [mm]	Length [mm]	Box	Outer	Pallet	Box	Outer	Pallet		
KKS-08060	8	4.9	65	100	1200	28800	0.95	11.3	302.2	5906675119328
KKS-08080	8	4.9	85	50	800	19200	0.65	10.4	280.4	5906675119526
KKS-08100	8	4.9	105	50	600	14400	0.79	9.5	257.5	5906675119724
KKS-08120	8	4.9	125	50	600	14400	0.95	11.4	303.6	5906675119922