TECHNICAL SPECIFICATION

PP HAMMER DRIVE FIXING WITH CSK SCREW PKK

Trademark

kamfix

Product designation:

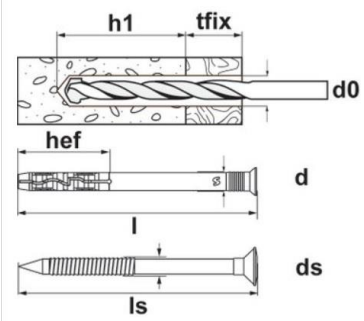
PKK d x **L** / **K**

- **PKK –** unique code of the product
- **d** x **L** – diameter and length of the plug
- **K** – trademark kamfix

Application:

For fastening wooden elements to concrete, bricks and aerated concrete blocks. Has certificate KOD 2018/0526 from ITB-Poland, member of EOTA, for use in fixing reinforcing elements for thermal insulation layers on external walls.

Technical information:

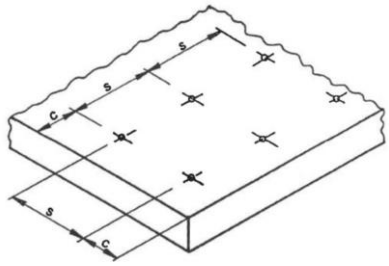


d – Diameter
l – Length
d_0 – Diameter of the drill bit
h_1- Dept of the drilling
t_{fix} - Thickness of the attached element
h_{ef} - Effective anchorage depth
d_s – Diameter of the screw
l_s – Length of the screw

Size	d, mm	l, mm	d0, mm	h1,mm	tfix,mm	hef,mm	ds,mm	ls,mm
6x40	6	40	6	40	10	30	3.7	45
6x50	6	50	6	40	20	30	3.7	55
6x60	6	60	6	40	30	30	3,7	65
6x80	6	80	6	40	50	30	3,7	85
8x60	8	60	8	50	20	40	4,9	65
8x80	8	80	8	50	40	40	4,9	85

8x100	8	100	8	50	60	40	4,9	105
8x120	8	120	8	50	80	40	4,9	125
8x140	8	140	8	50	100	40	4,9	145
10x80	10	80	10	60	30	50	6,9	85
10x100	10	100	10	60	50	50	6,9	105
10x120	10	120	10	60	70	50	6,9	125
10x140	10	140	10	60	90	50	6,9	145
10x160	10	160	10	60	110	50	6,9	165

Placement of plugs. Minimum distances



Parameters	PKK Ø6	PKK Ø8	PKK Ø10
d_0 - The nominal diameter is tested, mm	6	8	10
h1- Drilling depth, mm	40	50	60
hef - Effective anchorage depth, mm	30	40	50
S-min. distance between anchors, mm	100	100	100
C-min. distance from anchor to the edge of the base, mm	100	100	100

Allowable load:

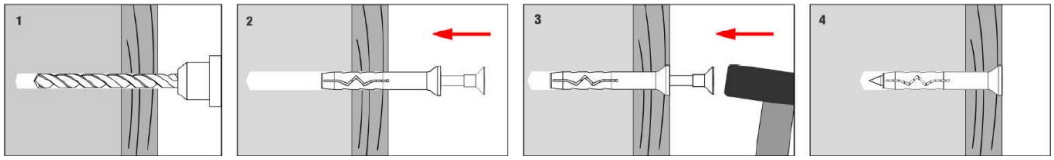
No	Type of foundation	Tensile and/or shear strength $N_{R,k}$, KN for plug diameter, Ø6 mm	Tensile and/or shear strength $N_{R,k}$, KN for plug diameter, Ø8 mm	Tensile and/or shear strength $N_{R,k}$, KN for plug diameter, Ø10 mm
1	Concrete class C20/25(1)	0,5	0,75	0,9
2	Solid brick class 15(2)	0,4	0,75	1,5
3	Silicate dense brick class 15(3)	0,4	0,75	1,5

(1) standard PN-EN 206+A1:2016
(2) - standard PN-EN 771-1: 2015
(3) - standard PN-EN 771-2: 2015

Material:

- Plug – Polypropylene
- Screw – Galvanized steel

Installation:



1. A hole is drilled in the base.

2. It is recommended that the drilled hole be cleaned of solid debris.

3. When drilling through soft materials, the non-impact drilling mode MUST be used.

Using impact drilling leads to destruction of the structure of the material and the

reliable fastening of the nail plug cannot be guaranteed.

4. Installation is through, by driving the nail into the plug.

When driving the nail, the insert expands in two directions. If the installation is in

hollow bricks the plug must be long enough to cover a minimum of 2 sections of the brick.

In wooden constructions, the plug with a hidden collar can be used, but in metal constructions,

the use of a wide or cylindrical collar plug is recommended..

Advantages:

- Quick, easy and economical installation.
- The nail and plug are pre-mounted to each other for easier and faster installation.
- No special tools required.
- The metal nail is threaded and has a cross slot. After installation, it is possible to unscrew the screw and dismantle the attached parts.
- The geometry of the collar allows the plug to be installed so that there are no protruding elements from the installed surface.