

TD-090, TDP-090

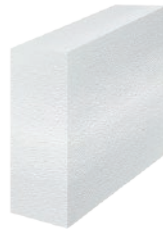
Special fastener with frame plug for fixing mineral wool and polystyrene foam in concrete



Description

Special fastener with frame plug

Type of insulation material with which the fastener is to be used



Polystyrene foam EPS



Mineral wool

Substrate



Concrete



Solid clay bricks,
Calcium silicate
bricks



Porous blocks



Autoclaved aerated
concrete

Features and advantages of the product



Washer plate

Reduced surface of the washer plate. Openings ensure better mortar adhesiveness



Washer plate drive

facilitates using a variety of nails



Plug

Screwing the plug in ensures reliable fixing in the substrate



KPS-FAST S 10

SM/SMN 10



TDP-090 + SMN-10100



TDP-090 + KPS-FAST-10100

PRODUCT RANGE

Insulation material thickness [mm]	Washer	Substrate	
		Concrete, Solid clay bricks, Calcium silicate bricks	Concrete, Solid clay bricks, Calcium silicate bricks, Porous blocks, aerated concrete
		PLUG $d_p \times L_p$ [mm]	PLUG $d_p \times L_p$ [mm]
30	TD-090, TDP-090	SM (SMN) 10080	KPS-FAST 10100 S
40	TD-090, TDP-090	SM (SMN) 100100	KPS-FAST 10120 S
50	TD-090, TDP-090	SM (SMN) 10100	KPS-FAST 10120 S
60	TD-090, TDP-090	SM (SMN) 10120	KPS-FAST 10140 S
70	TD-090, TDP-090	SM (SMN) 10120	KPS-FAST 10140 S
80	TD-090, TDP-090	SM (SMN) 10140	KPS-FAST 10160 S
90	TD-090, TDP-090	SM (SMN) 10140	KPS-FAST 10160 S
100	TD-090, TDP-090	SM (SMN) 10160	KPS-FAST 10180 S
110	TD-090, TDP-090	SM (SMN) 10160	KPS-FAST 10180 S
120	TD-090, TDP-090	SM (SMN) 10180	KPS-FAST 10200 S
130	TD-090, TDP-090	SM (SMN) 10180	KPS-FAST 10200 S
140	TD-090, TDP-090	SM (SMN) 10200	KPS-FAST 10230 S
150	TD-090, TDP-090	SM (SMN) 10200	KPS-FAST 10230 S
160	TD-090, TDP-090	SM (SMN) 10220	KPS-FAST 10230 S
170	TD-090, TDP-090	SM (SMN) 10220	KPS-FAST 10260 S
180	TD-090, TDP-090	-	KPS-FAST 10260 S
190	TD-090, TDP-090	-	KPS-FAST 10260 S
220	-	-	KPS-FAST 10300 S

TECHNICAL DATA

Parameter	Unit	KPS-FAST 10 S	SM / SMN 10
Plug diameter	d_p [mm]	10	10
Washer diameter	D_k [mm]	90	90
Anchorage depth	h_a [mm]	70	50
Depth of drilled hole	[mm]	80	60
Plug material	-	Poliamid PA/Polipropylen PP	Poliamid PA/Polipropylen PP
Pin material	-	Zinc plated steel	Zinc plated steel
Technical Approval	-	AT-15-9228/13	AT-15-9228/13

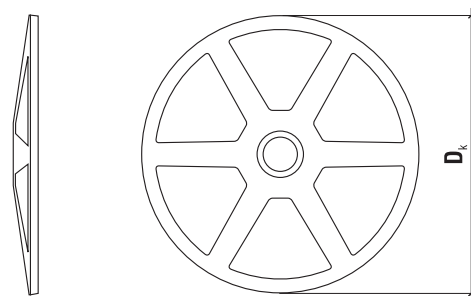
DESIGN PULL-OUT RESISTANCE [KN]

Substrate	Product marking	Design resistance kN	Product marking	Design resistance kN
Concrete C 20/25	KPS FAST 10 S	6.14	SM 10 / SMN 10	0.89 / 1.08
Solid clay bricks	KPS FAST 10 S	3.79	SM 10 / SMN 10	0.45 / 1.34
Calcium silicate bricks	KPS FAST 10 S	3.72	SM 10 / SMN 10	0.45 / 1.34
Aerated concrete 350	KPS FAST 10 S	0.18	SMN 10	-
Aerated concrete 650	KPS FAST 10 S	0.86	SMN 10	0.44
Vertical perforated porous block	KPS FAST 10 S	0.81	SMN 10	-
Vertical perforated ceramic block	KPS FAST 10 S	0.48	SMN 10	-

Product marking



Product marking



Installation spot visible

