

NEW!

KPR-FAST \varnothing 10

KPS-FAST \varnothing 10

FRAME PLUG \varnothing 10mm WITH:



HEX & TORX HEAD SCREW:

KPR-FAST K



TORX COUNTERSUNK

HEAD SCREW:

KPS-FAST S



EUROPEAN TECHNICAL APPROVAL

ETA-12/0272

ETAG 020

A B C D

watch video



wkret-met.com/frameplugs

THREAD REDUCTION

- precision drive of the screw
- greater expansion force in the second expansion zone



100% ^{pure material} nylon ***

100% secure fixing

300mm length up to



NEW!

KPR-FAST \varnothing 10 KPS-FAST \varnothing 10



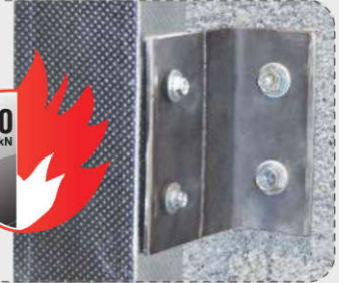
ETA-12/0272

ETAG 020


ABCD

100% nylon

According to the technical report TR 020 "Fire resistance evaluation of concrete anchoring", it can be stated that for the purpose of fixing facade systems, KPS-FAST, KPR-FAST fasteners have sufficient fire resistance of at least 90 minutes (R90) if the design load per one anchor is $N_d \leq 0,8$ kN (with no permanent centric loading)



RESISTANCE

Substrate	Description	Density [kg/dm ³]	Standard	Characteristic pull-out resistance [kN]
	concrete C12/15	$\geq 1,8$	EN 206-1	3,0*
	concrete \geq C20/25	$\geq 2,3$	EN 206-1	4,0*
	clay brick	$\geq 1,7$	EN 771-1	3,5
	clay brick (np. MZ Rd 2,0/20)	$\geq 2,0$	EN 771-1	3,5
	calcium silicate brick (np. Kalksandstein KS NF 20-2.0 Vollstein - DIN 106)	$\geq 2,0$	EN 771-2	3,5
	calcium silicate hollow block (np. Kalksandstein KS L-R(P) 8 DF Lochstein - DIN 106)	$\geq 1,6$	EN 771-2	2,5
	vertical perforated porous block (np. Porotherm 25 P+W)	$\geq 0,8$	EN 771-1	1,2
	vertical perforated ceramic block (np. MAX 250)	$\geq 0,8$	EN 771-1	0,9
	perforated ceramic brick (np. Hlz Rd1 1,2/12)	$\geq 1,2$	EN 771-1	2,0
	VBL 2/0.8	$\geq 0,8$	EN 771-2	2,0
	HBL 2/0.8	$\geq 0,8$	EN 771-2	2,0
	autoclaved aerated concrete AAC2	$\geq 0,35$	EN 771-4	0,6
	autoclaved aerated concrete AAC7	$\geq 0,65$	EN 771-4	1,5

* RESISTANCE FOR CRACK CONCRETE



KPR-FAST K ø10 FRAME PLUG WITH HEX & TORX HEAD SCREW

NEW!



APPLICATION

For facade fixing of wooden members, battens and cover trims, steel profiles in cavity brick walls.

SUBSTRATE



INSTALLATION DATA

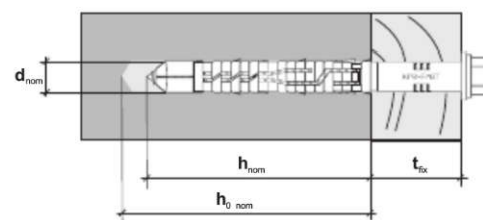
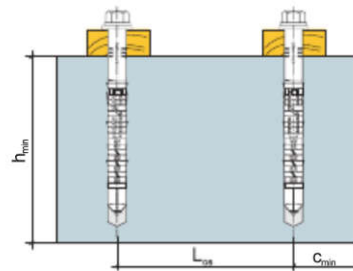
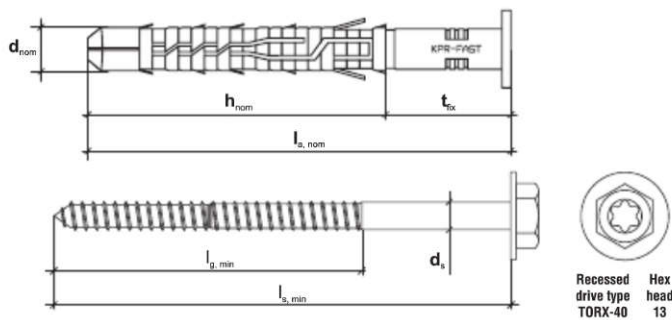
Substrate	Minimum edge distance c_{min} (mm)	Min. member thickness h_{min} (mm)
concrete C20/25	60	100
clay brick,	100	120
calcium silicate brick	100	120
hollow masonry	100	250
AAC	100	250

SPECIFICATIONS

Plug material	NYLON
Screw material	steel
Corrosion protection	zinc

RESISTANCE

Check out - page 29



TECHNICAL DATA

Code and size	Recessed drive type	Hex head	Drill hole diameter d_{nom} [mm]	Plug length l_s [mm]	Screw diameter and length $d_s \times l_s$ [mm]	Minimum depth of drilled hole $h_{o, nom}$ [mm]	Minimum anchorage depth h_{nom} [mm]	Maximum fixture thickness t_{fx} [mm]	Pcs per pack
KPR-FAST-10080K	TORX40	13	10	80	7,0 x 85	80	70	10	50
KPR-FAST-10100K	TORX40	13	10	100	7,0 x 105	80	70	30	50
KPR-FAST-10120K	TORX40	13	10	120	7,0 x 125	80	70	50	50
KPR-FAST-10140K	TORX40	13	10	140	7,0 x 145	80	70	70	50
KPR-FAST-10160K	TORX40	13	10	160	7,0 x 165	80	70	90	50
KPR-FAST-10180K	TORX40	13	10	180	7,0 x 185	80	70	110	25
KPR-FAST-10200K	TORX40	13	10	200	7,0 x 205	80	70	130	25
KPR-FAST-10230K	TORX40	13	10	230	7,0 x 235	80	70	160	25
KPR-FAST-10260K	TORX40	13	10	260	7,0 x 265	80	70	190	25
KPR-FAST-10300K	TORX40	13	10	300	7,0 x 305	80	70	230	25