TRUTEK TPHL – UNIVERSAL NYLON PLUG

Usage:

- fixing lighting, motion detectors, wall shelves, handles, mirrors, paintings, letter boxes, curtain rods, electric and hydraulic clamps
- mounting hydraulic fittings
- universal fixing in various substrates

Advantages:

- The possibility of spreading in 4 directions guarantees stronger wedging in the ground
- nylon stud material guarantees durability and safety
- the plug collar prevent it from slipping in too far
- special shape prevents the plug from turning in the hole
- highest fastening security for plastic dowels

Anchor material:
The expansion sleeve is made of nylon and the screws are made of regular steel, carbon steel and are covered with a layer of zinc not less than 5µm thick.

Substrate material:
Concrete, natural stone, full ceramic brick and perforated, full and hollow silicate brick, hollow block and Porotherm, aerated concrete.

The way of marking TPHL pins				
Symbol	Hole Diameter up to d_o [mm]	Screw symbol	Screw diameter d_s [mm]	Screw length L_s [mm]
TPHL06N	06	-	-	-
TPHL08S05050N	06	S	05	050

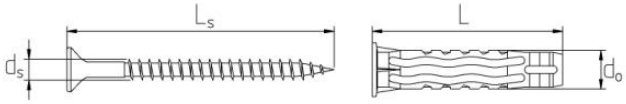
TPHL dowel mounting parameters - version without screw

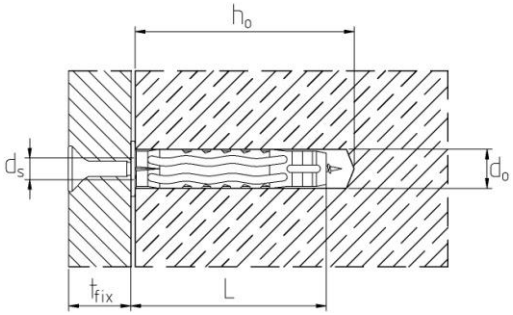
Product Code	Sleeve diameter	Hole Dia in the base material	Min. hole depth	Sleeve length	Screw diameter	Max. thickness of the fixed element	Recommended pull-out and shear load capacity Nrec				
							Concrete C20/25	Full brick	Silicate brick	Hollow brick	Aerated Block
	[mm] d	[mm] d_o	[mm] h_o	[mm] L	[mm] d_s	[mm] t_{fix}	[kN] N_{rec}	[kN] N_{rec}	[kN] N_{rec}	[kN] N_{rec}	[kN] N_{rec}
TPHL06N	6	6	35	30	3,5-4,5	-	0,36	0,20	0,20	0,16	0,08
TPHL08N	8	8	45	40	4,0-6,0	-	0,50	0,40	0,40	0,30	0,18
TPHL10N	10	10	55	50	6,0-8,0	-	1,6	0,80	0,80	0,60	0,22

TPHL dowel mounting parameters - screw version

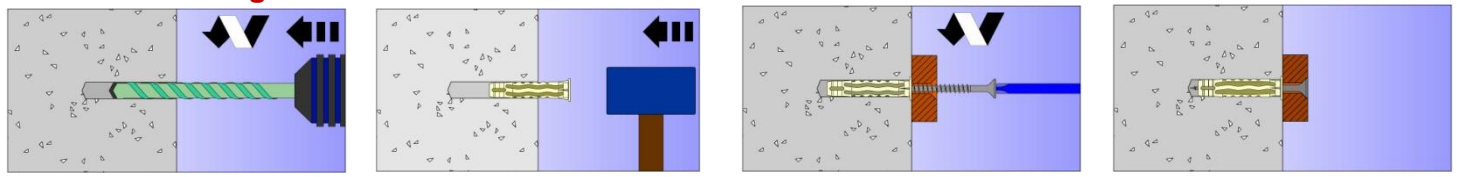
Product Code	Sleeve diameter	Hole Dia in the base material	Min. hole depth	Sleeve length	Screw diameter & length	Max. thickness of the fixed element	Recommended pull-out and shear load capacity Nrec				
							Concrete C20/25	Full brick	Silicate brick	Hollow brick	Aerated Block
	[mm] d	[mm] d_o	[mm] h_o	[mm] L	[mm] d_s x L_s	[mm] t_{fix}	[kN] N_{rec}	[kN] N_{rec}	[kN] N_{rec}	[kN] N_{rec}	[kN] N_{rec}
TPHL06S04040N	6	6	35	30	4,0x40	8	0,36	0,20	0,20	0,16	0,08
TPHL08S05050N	8	8	45	40	5,0x50	8	0,50	0,40	0,40	0,30	0,18
TPHL10S06060N	10	10	55	60	6,0x60	8	1,6	0,80	0,80	0,60	0,22

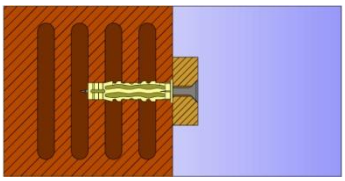
Installation diagram of TPHL pins





Installation diagram of TPHL dowels





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