

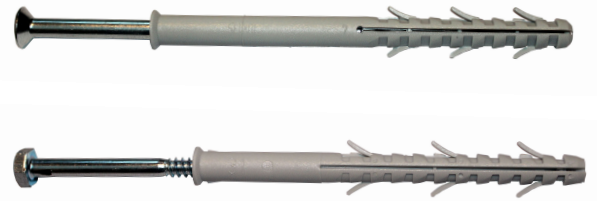
TNFA NYLON FRAME ANCHOR

Usage:

- fastening beams, handrails, gates, window frames, door frames, wooden battens

Advantages:

- classic two-way strut - secure attachment in solid substrates
- nylon stud guarantees durability and safety
- special shape prevents the peg from rotating in the hole
- resistance to extreme temperature from -40 ° C to ++ 80 ° C



Pin material:

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

Substrate material:

Concrete, natural stone, ceramic solid brick, solid and hollow brick, lightweight concrete, aerated concrete, hollow bricks

Method of determining TNFA pins				
Symbol	Screw head type	Hole diameter d _o [mm]	Pin length L [mm]	Type of sleeve
TNFA	- Conical Flat Head	10	080	LE- long expansion zone
TNFA	H – Hex Head	10	120	LE- long expansion zone

Technical parameters of TNFA frame anchors - version with a conical-flat head and a long expansion zone



Product Code	Sleeve diameter [mm] d	Hole Dia in the ground [mm] d _o	Min. hole depth [mm] h _o	Sleeve length [mm] L	Max. thickness of the attached element [mm] t _{fix}	Recommended pull-out and shear capacity N _{rec}				
						Concrete C20/25 [kN] N _{rec}	Full Brick and lattice [kN] N _{rec}	Silicate brick [kN] N _{rec}	Lightweight Concrete [kN] N _{rec}	Aerated Block [kN] N _{rec}
						TNFA08100LE	8	8	65	100
TNFA08120LE	8	8	65	120	55	0,85	0,65	0,65	0,5	0,4
TNFA10080LE	10	10	75	80	15	0,95	0,75	0,75	0,75	0,65
TNFA10100LE	10	10	75	100	25	0,95	0,75	0,75	0,75	0,65
TNFA10120LE	10	10	75	120	45	0,95	0,75	0,75	0,75	0,65
TNFA10140LE	10	10	75	140	65	0,95	0,75	0,75	0,75	0,65
TNFA10160LE	10	10	75	160	85	0,95	0,75	0,75	0,75	0,65

Technical parameters of TNFAH frame anchors - hexagon version and long expansion zone



Product Code	Sleeve diameter [mm] d	Hole Dia in the ground [mm] d _o	Min. hole depth [mm] h _o	Sleeve length [mm] L	Max. thickness of the attached element [mm] t _{fix}	Recommended pull-out and shear capacity N _{rec}				
						Concrete C20/25 [kN] N _{rec}	Full Brick and lattice [kN] N _{rec}	Silicate brick [kN] N _{rec}	Lightweight Concrete [kN] N _{rec}	Aerated Block [kN] N _{rec}
						TNFA10080LEH	10	10	70	80
TNFA10100LEH	10	10	70	100	30	0,95	0,75	0,75	0,75	0,65
TNFA10120LEH	10	10	70	120	50	0,95	0,75	0,75	0,75	0,65
TNFA10140LEH	10	10	70	140	60	0,95	0,75	0,75	0,75	0,65
TNFA10160LEH	10	10	70	160	80	0,95	0,75	0,75	0,75	0,65
TNFA10180LEH	10	10	70	180	100	0,95	0,75	0,75	0,75	0,65

Installation diagram of TNFA anchors

