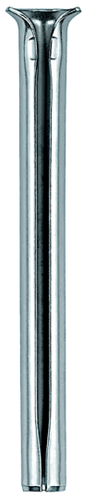
fischer innovative solutions

The user-friendly spring sleeve for light fixings in solid building materials



Timber sub-structures

BUILDING MATERIALS

- Concrete
- Solid sand-lime brick
- Natural stone with dense structure
- Solid brick

ADVANTAGES

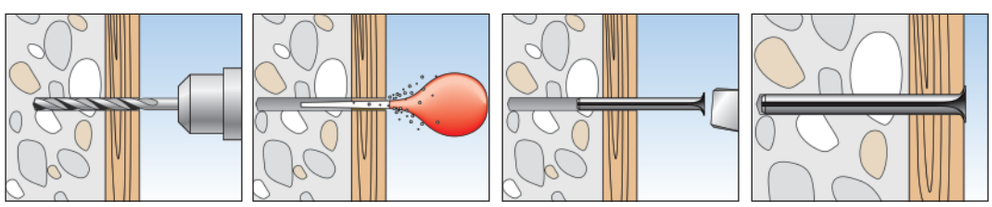
- No plugs or screws are required for the one-piece nail sleeve. This guarantees a simple and easy installation.
- The geometry of the nail sleeve makes it easy to push it into the drill hole. This saves time and money.
- The Dacromet® coating guarantees a high quality corrosion protection for a long-lasting fixing.

APPLICATIONS

- Squared timbers
- Substructures made of wood and metal
- Metal profiles

FUNCTIONING

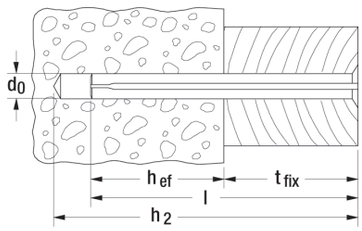
- The FNH nail sleeve is suitable for push-through installation.
- The nail sleeve is hammered in and expands its entire length in the hole.
- The FNH is not approved for safety-relevant applications.
- FNH is suitable for interior applications and for temporary external fixings.



Nail sleeve FNH

TECHNICAL DATA

Nail sleeve **FNH**



Item	Art.-No.	Drill hole diameter d_0 [mm]	Effect. anchorage depth h_{ef} [mm]	Anchor length l [mm]	Max. fixture thickness t_{fix} [mm]	Min. drill-hole depth for through fixings h_2 [mm]	Sales unit [pcs]	
FNH 5/50	**050192**	5	20	50	30	60	100	
FNH 6/30	**019863**	6	30	30	–	40	100	
FNH 6/40	**050638**	6	30	40	10	50	100	
FNH 6/50	**077525**	6	30	50	20	60	100	
FNH 6/60	**019864**	6	30	60	30	70	100	
FNH 6/80	**019865**	6	30	80	50	90	100	
FNH 8/70	**019866**	8	40	70	30	80	100	
FNH 8/90	**019867**	8	40	90	50	100	50	
FNH 8/110	**019868**	8	40	110	70	120	50	
FNH 8/130	**019869**	8	40	130	90	140	50	
FNH 8/150	**019870**	8	40	150	110	160	50	
FNH 8/180	**043905**	8,5	40	180	140	190	50	

LOADS

Nail sleeve FNH

Highest recommended loads[1)] for a single anchor for multiple use for non-structural applications.

Type			FNH 5	FNH 6	FNH 8
Recommended loads in the respective base material F_{rec}[2)]					
Concrete	≥ C20/25	[kN]	0,10	0,35	0,60
Min. member thickness		[mm]	50	60	70

[1)] Includes the safety factor 4.

[2)] Valid for tensile load, shear load and oblique load under any angle.