

Hammerfix N

The reliable nail-type fixing - rapid to punch in and safe even under difficult conditions.

OVERVIEW



N-Z - with zinc-plated nail and crossdrive recess Z

Suitable for:

- Concrete
- Natural stone with dense structure
- Solid brick
- Solid sand-lime brick
- Solid block made from lightweight concrete
- Aerated concrete
- Solid panel made from gypsum
- Vertically perforated brick
- Perforated sand-lime block
- Hollow block made from lightweight concrete



For fixing of:

- Wall connection or plaster profiles
- Baseboards
- Foils
- Sheet metals
- Squared timbers
- Cable and pipe clips
- Facings
- Substructures made of wood and metal

DESCRIPTION

- Nylon Hammerfixing.
- The fixing is expanded when the nail is driven in, and holds by friction in the drill hole.
- Screw nail in A2 stainless steel for applications in damp conditions.

Advantages/benefits

- Quick and simple push-through installation reduces installation time.
- Integral hammer-in stop prevents the fixing from spreading (jamming) prematurely during installation and thereby enables easy handling.
- Screw nail with saw-tooth thread can be easily hammered-in and if required unscrewed.
- The cross drive recess enables loosening of the fixing for subsequent adjustment or demounting.



The difference in detail!

Large expansion effect due to perfectly-matched expansion zone

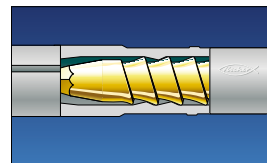
Tapered shaft for ease of insertion

Reinforced edge cannot be driven in



Saw-tooth thread
- easily driven in
- easily unscrewed

Ribs for a firm seat



Hammer-in stop prevents premature expansion

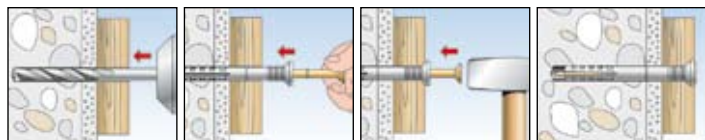
INSTALLATION

Type of installation

- Push-through installation

Installation tips

- In perforated and hollow bricks, the fixing length should be selected in such a way that the front half of the expansion zone of the fixing must cover at least one brick web.



FIXING PRINCIPLES

In detail: The general principles for installation, the correct drilling procedure and much more on page 303.

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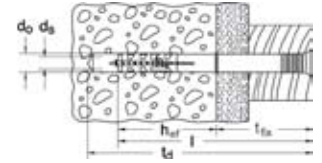
TECHNICAL DATA



Hammerfix **N-Z**

Type	Art.-No.	ID	drill-Ø		min. drill-hole depth for through fixings		effect. anchorage depth		anchor length		max. usable length		fischer drive screw		qty. per box
			d_0 [mm]	t_d [mm]	h_{ef} [mm]	l [mm]	t_{fix} [mm]	$d_s \times l_s$ [mm]	pcs.						
N 5 x 30 Z	1) 50395	9	5	45	25	30	5	3,5 x 38	100						
N 5 x 40 Z	50351	5	5	55	25	40	15	3,5 x 48	100						
N 5 x 50 Z	50352	2	5	65	25	50	25	3,5 x 58	100						
N 6 x 40 Z	50354	6	6	55	30	40	10	4 x 48	50						
N 6 x 60 Z	50355	3	6	75	30	60	30	4 x 64	50						
N 6 x 80 Z	50353	9	6	95	30	80	50	4 x 88	50						
N 8 x 60 Z	50356	0	8	75	40	60	20	5 x 65	50						
N 8 x 80 Z	50358	4	8	95	40	80	40	5 x 85	50						
N 8 x 100 Z	50357	7	8	115	40	100	60	5 x 105	50						
N 8 x 120 Z	50359	1	8	135	40	120	80	5 x 125	50						
N 10 x 100 Z	2) 50346	1	10	115	50	100	50	7 x 110	50						
N 10 x 135 Z	2) 50347	8	10	150	50	135	85	7 x 145	50						
N 10 x 160 Z	2) 50348	5	10	175	50	160	110	7 x 170	50						
N 10 x 230 Z	2) 50335	5	10	245	50	230	180	6 x 240	50						

- 1) also specially suitable for fischer Pipe clips FC, see chapter Electrical fixings.
2) not pre-assembled



Hammerfix **N-Z-A2**

Type	Art.-No.	ID	drill-Ø		min. drill-hole depth for through fixings		effect. anchorage depth		anchor length		max. usable length		fischer drive screw		qty. per box
			d_0 [mm]	t_d [mm]	h_{ef} [mm]	l [mm]	t_{fix} [mm]	$d_s \times l_s$ [mm]	pcs.						
N 5 x 30 Z A2	50370	6	5	45	25	30	5	3,5 x 38 A2	100						
N 6 x 40 Z A2	50372	0	6	55	30	40	10	4 x 48 A2	50						
N 6 x 60 Z A2	50373	7	6	75	30	60	30	4 x 64 A2	50						
N 8 x 60 Z A2	50374	4	8	75	40	60	20	5 x 65 A2	50						
N 8 x 80 Z A2	50375	1	8	95	40	80	40	5 x 85 A2	50						
N 8 x 100 Z A2	50376	8	8	115	40	100	60	5 x 105 A2	50						



N-FZ - with flat edge and zinc-plated nail and crossdrive recess Z (N 5 x 30 FZ)



N-FZ - with flat edge and zinc-plated nail and crossdrive recess Z (N 6 x 40 FZ)

Type	Art.-No.	ID	drill-Ø		min. drill-hole depth for through fixings		effect. anchorage depth		anchor length		max. usable length		collar		fischer drive screw		qty. per box
			d_0 [mm]	t_d [mm]	h_{ef} [mm]	l [mm]	t_{fix} [mm]	$d_s \times l_s$ [mm]	pcs.								
N 5 x 30 FZ	50338	6	5	45	25	30	5	9	3,5 x 38	100							
N 6 x 40 FZ	50339	3	6	55	30	40	7	13	4 x 48	50							
N 8 x 40 FZ	15903	3	8	55	40	40	0,5	20	5 x 45	50							
N 6 x 40 FZ A2	1) 50369	0	6	55	30	40	7	13	4 x 48	50							

- 1) with stainless steel nail A2



N-FN - with flat edge and plastic nail

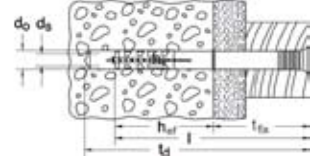
Type	Art.-No.	ID	drill-Ø		min. drill-hole depth for through fixings		effect. anchorage depth		anchor length		max. usable length		collar		fischer drive screw		qty. per box
			d_0 [mm]	t_d [mm]	h_{ef} [mm]	l [mm]	t_{fix} [mm]	$d_s \times l_s$ [mm]	pcs.								
N 6 x 40 FN	50342	3	6	55	30	40	7	13	4 x 45	50							

TECHNICAL DATA



N-M - with zinc-plated nail and connection thread M 6 x 7

Type	Art.-No.	ID	drill-Ø	min. drill-hole depth for through fixings	effect. anchorage depth	anchor length	max. usable length	fischer drive screw	qty. per box
			d_0	t_d	h_{ef}	l	t_{fix}	$d_s \times l_s$	pcs.
			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	
N 6 x 40 M6	50398	0	6	55	30	40	10	4 x 48 M6	50



N-D A2 - with isolating washer and stainless steel A2 nail, pre-assembled

Type	Art.-No.	ID	drill-Ø	min. drill-hole depth	effect. anchorage depth	anchor length	max. usable length	washer	fischer drive screw	qty. per box
			d_0	t	h_{ef}	l	t_{fix}	\emptyset mm	$d_s \times l_s$	pcs.
			[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	
N 6 x 40 D A2	50367	6	6	55	30	40	10	19	4 x 48	50
N 6 x 60 D A2	50368	3	6	75	30	60	30	19	4 x 64	50



NU-ZZ - with cylindrical head and zinc plated nail with crossdrive recess Z

Type	Art.-No.	ID	drill-Ø	min. drill-hole depth for through fixings	anchor length	max. usable length	collar	fischer drive screw	qty. per box
			d_0	t_d	l	t_{fix}	\emptyset mm	$d_s \times l_s$	pcs.
			[mm]	[mm]	[mm]	[mm]		[mm]	
NU 5 x 25 ZZ	78392	4	5	35	25	2	9		100
NU 5 x 36 ZZ	78394	8	5	46	36	6	9		100
NU 5 x 45 ZZ	93106	6	5	55	45	15	9	3,5 x 48	100
NU 6 x 35 ZZ	93107	3	6	45	35	5	10		100
NU 6 x 42 ZZ	93108	0	6	52	42	12	10		100
NU 6 x 55 ZZ	93109	7	6	65	55	25	10		100
NU 6 x 70 ZZ	93110	3	6	80	70	40	10		100
NU 8 x 45 ZZ	93111	0	8	55	45	5	11		100
NU 8 x 57 ZZ	93112	7	8	67	57	12	11	5 x 65	100
NU 8 x 75 ZZ	93113	4	8	85	75	30	11	5 x 85	100
NU 8 x 100 Z	1) 93977	2	8	110	100	60	11	5 x 105	100
NU 8 x 120 Z	1) 93978	9	8	130	120	80	11	5 x 125	100

1) pre-assembled



Type	Art.-No.	ID	drill-Ø	min. drill-hole depth for through fixings	effect. anchorage depth	anchor length	max. usable length	collar	fischer drive screw	qty. per box
			d_0	t_d	h_{ef}	l	t_{fix}	\emptyset mm	$d_s \times l_s$	pcs.
			[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	
N 6 x 40 ZZ	50394	2	6	55	30	40	7	11	4 x 48	50

LOADS

Recommended loads N_{rec} [kN] and mean ultimate loads N_U [kN].

Fixing type		N 5		N 6 ¹⁾		N 8		N 10	
		N_{rec}	N_U	N_{rec}	N_U	N_{rec}	N_U	N_{rec}	N_U
Concrete \geq C12/15	[kN]	0.16	1.1	0.20	1.4	0.27	1.9	0.33	2.3
Solid brick \geq Mz12 (DIN 105)	[kN]	0.14	1.0	0.17	1.2	0.24	1.7	0.30	2.1
Solid sand-lime brick \geq KS12 (DIN 106)	[kN]	0.14	1.0	0.17	1.2	0.24	1.7	0.33	2.3
Pumice solid brick V4	[kN]	0.029	0.2	0.11	0.8	0.13	0.9	0.16	1.1
Aerated concrete G 2	[kN]	0.029	0.2	0.036	0.25	0.071	0.5	0.10	0.7
Aerated concrete G 4	[kN]	0.071	0.5	0.093	0.65	0.11	0.8	0.16	1.1

¹⁾ The values have to be reduced by 50% for N 6 x 40 FN.