

# Hammerfix N

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

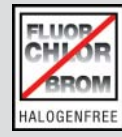
## OVERVIEW



**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
- Aircrete
- Solid panel made from gypsum
- Vertical 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

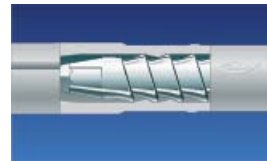
Tapered shaft for ease of insertion

Strengthened rim cannot be driven in



Saw-tooth thread  
- easily driven in  
- easily unscrewed

Ribs for a tight fit



Hammer-in stop prevents premature expansion



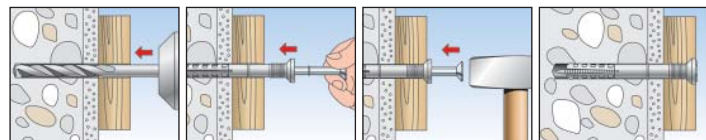
## INSTALLATION

### 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 26.

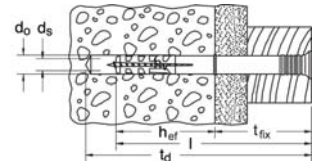
## TECHNICAL DATA


**Hammerfix N-Z**

Type	Art.No.	ID	drill		effect. anchoring depth	anchor length	max. usable length	fischer drive screw	Qty. per box
			$d_0$ [mm]	$t_d$ [mm]					
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 GP	48788	4	6	55	30	40	10	4 x 48	100
N 6 x 60 Z GP	48789	1	6	75	30	60	30	4 x 64	100
N 6 x 80 Z GP	48790	7	6	95	30	80	50	4 x 88	100
N 8 x 60 Z GP	48791	4	8	75	40	60	20	5 x 65	100
N 8 x 80 Z GP	48792	1	8	95	40	80	40	5 x 85	100
N 8 x 100 Z GP	48793	8	8	115	40	100	60	5 x 105	100
N 8 x 120 Z GP	48794	5	8	135	40	120	80	5 x 125	100
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		effect. anchorage depth	anchor length	max. usable length	fischer drive screw	qty. per box
			$d_0$ [mm]	$t_d$ [mm]					
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		effect. anchorage depth	anchor length	max. usable length	collar	fischer drive screw	qty. per box
			$d_0$ [mm]	$t_d$ [mm]						
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		effect. anchorage depth	anchor length	max. usable length	collar	fischer drive screw	qty. per box
			$d_0$ [mm]	$t_d$ [mm]						
N 6 x 40 FN	50342	3	6	55	30	40	7	13	4 x 45	50

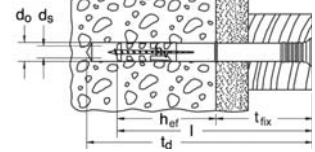
# Hammerfix N

## 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
			$d_0$ [mm]	$t_d$ [mm]	$h_{ef}$ [mm]	$l$ [mm]	$t_{fix}$ [mm]	$d_s \times l_s$ [mm]	pcs.
N 6 x 40 M6	<b>50398</b>	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
			$d_0$ [mm]	$t$ [mm]	$h_{ef}$ [mm]	$l$ [mm]	$t_{fix}$ [mm]	$\emptyset$ mm	$d_s \times l_s$ [mm]	pcs.
N 6 x 40 D A2	<b>50367</b>	6	6	55	30	40	10	19	4 x 48	50
N 6 x 60 D A2	<b>50368</b>	3	6	75	30	60	30	19	4 x 64	50



**NU-ZZ** - with cylindrical head and zinc plated pre-assembled 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
			$d_0$ [mm]	$t_d$ [mm]	$l$ [mm]	$t_{fix}$ [mm]	$\emptyset$ mm	$d_s \times l_s$ [mm]	pcs.
NU 5 x 25 ZZ	<b>78392</b>	4	5	35	25	2	9		100
NU 5 x 36 ZZ	<b>78394</b>	8	5	46	36	6	9		100
NU 5 x 45 ZZ	<b>93106</b>	6	5	55	46	15	9	3.5 x 48	100
NU 6 x 35 ZZ	<b>93107</b>	3	6	45	35	5	10		100
NU 6 x 42 ZZ	<b>93108</b>	0	6	52	42	12	10		100
NU 6 x 55 ZZ	<b>93109</b>	7	6	65	55	25	10		100
NU 6 x 70 ZZ	<b>93110</b>	3	6	80	70	40	10		100
NU 8 x 45 ZZ	<b>93111</b>	0	8	55	45	5	11		100
NU 8 x 57 ZZ	<b>93112</b>	7	8	67	57	12	11	5 x 65	100
NU 8 x 75 ZZ	<b>93113</b>	4	8	85	75	30	11	5 x 85	100
NU 8 x 100 Z	1) <b>93977</b>	2	8	110	100	60	11	5 x 105	100
NU 8 x 120 Z	1) <b>93978</b>	9	8	130	120	80	11	5 x 125	100

1) pre-assembled screw with countersunk head



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]	$\emptyset$ mm	$d_s \times l_s$ [mm]	pcs.
N 6 x 40 ZZ	<b>50394</b>	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 <sup>1)</sup>		N 8		N 10		
	$N_{rec}$	$N_U$	$N_{rec}$	$N_U$	$N_{rec}$	$N_U$	$N_{rec}$	$N_U$	
Substrate									
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
Aircrete G 2	[kN]	0.029	0.2	0.036	0.25	0.071	0.5	0.10	0.7
Aircrete G 4	[kN]	0.071	0.5	0.093	0.65	0.11	0.8	0.16	1.1

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

Frame fixings / Stand-off install.

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