

# fischer

## Hammerset Anchor EA-N

Drop-in anchor in zinc-plated steel.



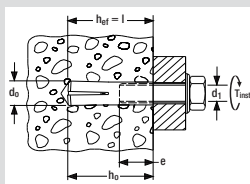
EA-N

### DESCRIPTION

- Hammerset anchor with internal thread for pre-positioned installation.
- When the expander plug is driven in with EAW H setting tool, the anchor sleeve is expanded and is tensioned against the hole wall.
- Suitable for all screws or studs with metric threads.
- Low anchoring depth reduces drilling time and thus allows cost-efficient installation.
- Surface-flush anchor allows the attached item to be removed and refitted several times.
- Internal thread diameter 6 to 20 mm.
- Zinc-plated steel version for indoor use.

#### Suitable for:

- Non-cracked concrete  $\geq$  C12/15.
- Natural stone with dense structure.
- Anchoring light ceiling linings and suspended ceilings.



Type	Art. No.	Thread	Nominal drill- $\emptyset$	Min. drill depth at prior insertion mode	Min. anchorage depth	Min. bolt penetration	Max. bolt penetration	Total length	Installation torque	Related setting tool	Qty. per box
		$d_1$ M [mm]	$d_0$ [mm]	$h_0$ $\geq$ [mm]	$h_{ef}$ $\geq$ [mm]	$e_2$ $\geq$ [mm]	$e_1$ $\leq$ [mm]	$l$ [mm]	$T_{inst}$ [Nm]		[pcs.]
<b>Zinc-plated steel</b>											
EA M6 N	<b>90159</b>	6	8	25	25	6	12	25	4	504573 EA-ST 6	100
EA M8 N	<b>90160</b>	8	10	30	30	8	13	30	8	504576 EA-ST 8	100
EA M10 N	<b>90161</b>	10	12	40	40	10	17	40	15	504584 EA-ST 10	50
EA M12 N	<b>90162</b>	12	15	50	50	12	22	50	35	504585 EA-ST 12	50
EA M12 N D	<b>500872</b>	12	16	50	50	12	22	50	35	504585 EA-ST 12	50
EA M16 N	<b>90163</b>	16	20	65	65	16	27	65	60	504586 EA-ST 16	25
EA M20 N	<b>90164</b>	20	25	80	80	20	34	80	120	504587 EA-ST 20	25

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Type	Art. No.	Thread	Nominal drill- $\emptyset$	Min. drill depth at prior insertion mode $h_b \geq$ [inch]	Min. anchorage depth $h_{ef} \geq$ [inch]	Total length $l$ [inch]	Installation torque $T_{inst}$ [Nm]	Qty. per box [pcs.]
<b>EA I-N</b>								
EA I 1/4 N	49185	1/4	3/8	1	1	1	4	100
EA I 5/16 N	49194	5/16	3/8	1 1/4	1 1/4	1 1/4	8	100
EA I 3/8 N	49195	3/8	1/2	1 9/16	1 9/16	1 5/8	15	50
EA I 1/2 N	49197	1/2	5/8	2	2	2	35	50
EA I 5/8 N	49198	5/8	3/4	2 3/8	2 3/8	2 1/2	60	20
EA I 3/4 N	49239	3/4	1	3 3/16	3 3/16	3 3/16	120	20
<b>EA IM-N</b>								
EA IM 1/4 N	48103	1/4	8	25	25	25	4	100
EA IM 5/16 N	48104	5/16	10	30	30	30	8	100
EA IM 3/8 N	48105	3/8	12	40	40	40	15	50
EA IM 1/2 N	48106	1/2	16	50	50	50	35	50
EA IM 5/8 N	48107	5/8	20	65	65	65	60	20
EA IM 3/4 N	48108	3/4	25	80	80	80	120	20
<b>EA IM-L</b>								
EA IM 3/8 L	502396	3/8	12	30	30	30	15	100
EA IM 3/8 L	50148	3/8	12	30	30	30	15	500
<b>EA I N-WW</b>								
EA I 1/2 N-WW	52258	W 1/2	5/8	2	2	2	35	50

Recommended loads for single anchors of fischer Hammerset anchor EA-N with large spacing and edge distance.

Anchor type		EA M6 N M6	EA M8 N M8	EA M10 N M10	EA M12 N M12	EA M16 N M16	EA M20 N M20
<b>Steel</b>		<b>gvz</b>	<b>gvz</b>	<b>gvz</b>	<b>gvz</b>	<b>gvz</b>	<b>gvz</b>
Effective anchorage depth	$h_{ef} \geq$ [mm]	25	30	40	50	65	80
Drill hole depth	$h_b \geq$ [mm]	25	30	40	50	65	80
Drill hole diameter	$d_0$ [mm]	8	10	12	15	20	25
<b>Recommended loads <math>N_{rec}</math> [kN]</b>							
Tensile	0° C20/25 $N_{rec}$ [kN]	1.5	2.1	3.3	4.8	7.0	9.5
<b>Anchor characteristics</b>							
Minimum edge distance	$c_{min}$ [mm]					- 1.5 $h_{ef}$	
Minimum spacing	$s_{min}$ [mm]					- 3.0 $h_{ef}$	
Minimum structural component thickness	$h_{min}$ [mm]	100	100	100	100	130	160
Clearance-hole in the fixture to be attached	$d_f \leq$ [mm]	7	9	12	14	18	22
Installation torque	$T_{inst}$ [Nm]	4	8	15	35	60	120

All values apply for non-cracked concrete C20/25 respectively without edge or spacing influences.

Recommended loads: material safety factor  $\gamma_M$  and safety factor for load  $\gamma_L = 1.4$  are included.

### Installation

