HAMMER-IN ANCHOR W-NA

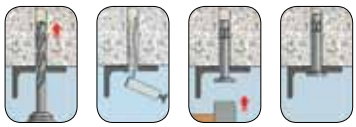
Approvals and certificates

Type of installation

Pre-positioned	In-place	Stand-off
✓	✓	-

Application references

Installation



Loads

Thread size				W-NA 6	W-NA-K W-NA 8 W-NA-M	W-NA-O	W-NA 6	W-NA-K W-NA 8 W-NA-M	W-NA-O
Effective anchorage depth		h_{ef}	[mm]	25			30		
Non-cracked Concrete									
Tension	C12/15	F_{rec}	[kN]	1.4	1.4	0.7	1.9	1.9	0.7
Tension	C20/25 to C50/60	F_{rec}	[kN]	2.1	2.1	0.7	2.8	2.8	0.7
Optimized for minimum edge distance c ≥ 50 mm & s ≥ 100 mm									
Tension	C12/15	F_{rec}	[kN]	0.7	0.7	0.7	0.9	0.9	0.7
Tension	C20/25 to C50/60	F_{rec}	[kN]	0.9	0.9	0.7	1.2	1.2	0.7

[1] Loads are valid for single anchors. Normal spaced reinforcement in ≥ C20/25. Material safety factor γ_M and safety factor for action γ_L = 1.4 are included. The material safety factor depends on the failure mode.
[2] Loads for anchorages close to edge and/or with small spacing have to be reduced and should be calculated based on performance data given in the ETA.
[3] Diameter of clearance hole in fixture for W-NA-8 shall be taken as df ≤ 9 mm.

Clearance-hole in fixture		d_f	[mm]	7	7[3]	7	7	7[3]	7
Nominal drill hole diameter		d_0	[mm]	6	6	6	6	6	6
Drill depth		h_1 ≥	[mm]	35	35	35	40	40	40
Min. thickness of concrete member		h_{min}	[mm]	80	80	80	80	80	80

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	Total length	Fixture thickness for		Art. no.			Drill hole diameter	Drill hole depth for through installation	Installation torque	Wrench Size	Approval	Head specification	P. Qty.
		$h_{ef,std}$	$h_{ef,red}$										
Type	**l [mm]**	**t_{fix} [mm]**		**Carbon steel galvanized**	**Stainless steel A4**	**High corrosion resistant steel HCR**	**d_o [mm]**	**h_2 [mm]**	**$T_{inst} \leq$ [Nm]**	**SW [mm]**	**ETA-11/0339**		
W-NA 6 thread M6	44	0	5	**0905 362 005**	**–**	**–**	6	40	4	10	✓	M6	200
	49	5	10	**0905 362 010**	**0905 372 005**	**0905 382 005**		45			✓		
	54	10	15	**0905 362 015**	**–**	**–**		50			✓		
W-NA 6 nail head	39	0	5	**0905 361 005**	**–**	**–**	6	40	–	–	✓	Nail head	200
	44	5	10	**0905 361 010**	**0905 371 005**	**0905 381 005**		45			✓		
	69	30	35	**0905 361 035**	**0905 371 030**	**0905 381 030**		70			✓		
	89	50	55	**0905 361 055**	**–**	**–**		90			✓		100
W-NA 6 coupling nut	58	–	0	**0905 361 008**	**–**	**–**	6	35	–	13	✓	M8/M10 socket	100
	63	0	–	**0905 361 009**	**–**	**–**		40			✓