

NAIL ANCHOR W-NA

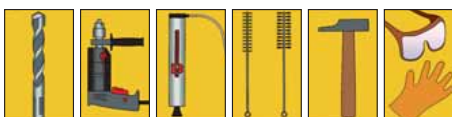
35.1

Performance data			
Anchor diameter [mm]		6 (h _{ef} [mm] = 25)	6 (h _{ef} [mm] = 30)
Multiple attachment of non-load-bearing systems in concrete (for all load directions) for c ≥ 100 mm and s ≥ 200 mm	F _{perm} [kN] ³⁾ ≥ C12/15	1.4	1.9
	F _{perm} [kN] ³⁾ ≥ C20/25 and ≤ C50/60 ¹⁾	2.1	2.8
Multiple attachment of non-load-bearing systems in concrete (for all load directions) for c ≥ 50 mm and s ≥ 100 mm	F _{perm} [kN] ³⁾ ≥ C12/15	0.7	1.0
	F _{perm} [kN] ³⁾ ≥ C20/25 and ≤ C50/60 ¹⁾	0.9	1.2
Perm. loading under fire load (Technical Report TR 020) Axial and edge spacing, see European Technical Approval ETA-11/0339	R30; F _{perm} [kN] ²⁾	0.6	0.9
	R60; F _{perm} [kN] ²⁾	0.6	0.7
	R90; F _{perm} [kN] ²⁾	0.5	0.5
	R120; F _{perm} [kN] ²⁾	0.4	0.4
Permissible bending torque	M _{perm} [Nm]	5.3	5.3

Characteristic values			
Minimum component thickness	h _{min} [mm]	80	80
Effective anchoring depth	h _{ef} [mm]	25	30
Nom. drill dia. ³⁾	d ₀ [in mm]	6	6
Drill cutting dia. ³⁾	d _{cut} ≤ [mm]	6.4	6.4
Drill hole depth	h ₀ ≥ [mm]	35	40
Through-hole in the component being connected	d _f ≤ [mm]	7	7

Anchor dimensions				
Attachment height h _{ef} = 30	t _{fix} [mm]	0	5	10
Attachment height h _{ef} = 25	t _{fix, red} [mm]	5	10	15
Nail Anchor W-NA Stud bolt M6 Galvanized steel	Art. No.	0905 362 005	0905 362 010	0905 362 015
Packing unit	P. Qty.	200	200	200

Würth System Components



¹⁾The part safety coefficients of the resistances regulated in the approval and a part safety coefficient of the effects of γ_F = 1.4 have been taken into account. For the combination of tensile and transverse loads, for edge influence and anchor groups, please refer to the Guideline for European Technical Approval (ETAG), Appendix C.

²⁾The part safety coefficients for the load-bearing capacity under a fire load of γ_{M,fi} = 1.0 and the part safety coefficient of the effects of γ_F = 1.0 recommended in the approval are taken into account.

³⁾The carbide masonry drills must meet the specifications of the code of practice of the German Institute of Building Technology (Deutsches Institut für Bautechnik) and of the Tool Industry Trade Association (Fachverband Werkzeugindustrie e.V.) with regard to the "characteristic values, requirements and tests of masonry drills with carbide cutters used to drill holes for dowel anchorings". Würth hammer drills correspond to the specifications of the code of practice.