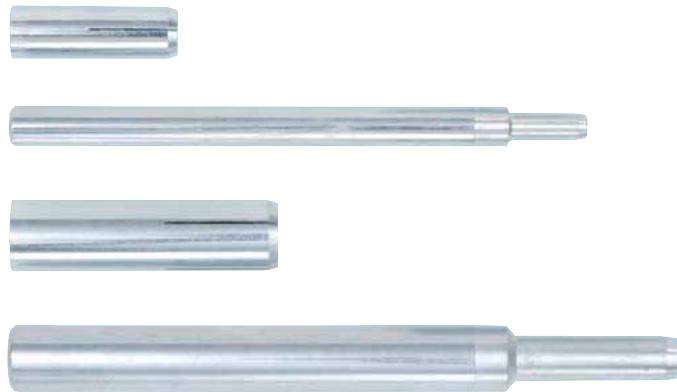


W-ED DRIVE-IN ANCHOR

13.3



W-ED M12, galvanized steel
Suitable for fastening core drills,
without approval

Spreading tool for W-ED

W-ED DW 15, galvanized steel
DYWIDAG® inner thread DW15,
without approval

Spreading tool for W-ED DW15,

hardened steel

W-ED/S Drive-in anchor see **13.1**
W-ED/A4 Drive-in anchor see **13.2**

Evidence of Performance

1. Applications

- Can be used for medium to heavy loads
- The anchor may only be used in anchorages primarily subject to resting or quasi-resting loads

W-ED M12 (without approval):

- Can be used in uncracked concrete $\geq C20/25^{1)}$ and pressure-resistant natural stone
- Suitable for fastening core drills (solid anchor sleeve)

W-ED DW 15 (without approval):

- Can be used in uncracked concrete $\geq C15/20^{1)}$ to max. $C50/60^{1)}$ and pressure-resistant natural stone
- Fastening of formwork in on-site concrete work
- Fixing corner elements in place when casting raised edges in concrete

2. Advantages

- Faster, less expensive assembly thanks to low drilled hole depth
- Greatest possible safety thanks to high load-bearing capacity of anchor in uncracked concrete
- Safe installation with related manual spreading tool
- Can be loaded immediately – no waiting time
- Attached part can easily be detached again at any time

W-ED M12:

- Special solid outer wall of anchor reliably prevents breaking out of anchoring base – even in case of sudden loading by core drill

W-ED DW15:

- For a broad range of uses: Variable rod lengths and clamping thicknesses can be mounted
- Thread impervious to soiling
- Saves time: Requires no application of torque

3. Properties

- Distance-controlled spreading anchor of galvanized steel in the sizes M12 (for core drills) and DW15 (DYWIDAG® inner thread²⁾)
- W-ED M12 (for core drills) must be anchored with specified torque
- The attached part can be fastened with a securing screw or a threaded rod
- Installation type: Cotter-pin installation

¹⁾ The concrete has normal reinforcement. Higher values are possible for higher concrete strengths.

²⁾ DYWIDAG® inner thread (DYWIDAG® is a registered trademark of Walter Bau AG).

Anchor dia. [mm]	M12	DW 15	
Designation	W-ED/S M12x50	W-ED/S DW15x80	
Art. No. of Drive-In Anchor	0904 010 126	0904 010 15	
Packing unit	P. Qty	50	25
Art. No. of Spreading Tool	P. Qty = 1	0904 020 12	0904 020 15

Characteristic values			
Anchor length/ Eff. anchoring depth	l [in mm]	50	80
Thread length (Min. screw-in depth)	L _{th} [in mm]	13	28
Drill nominal dia.	d ₀ [in mm]	16	22
Drill hole depth	h ₀ ≥ [in mm]	54	85
Minimum axial spacing	s _{min} [in mm]	120	600
Minimum edge spacing	c _{min} [in mm]	165	300
Minimum comp. thickness	h _{min} [in mm]	-	160
Torque for anchoring	T _{inst} [in Nm]	35	-

Performance W-ED DW 15									
Oblique pull angle			0°	15°	30°	45°	60°	75°	90°
Rec. central tensile load (uncracked concrete - single anchor w/o edge infl.)	C12/15	Rec. F	17,3	16,9	16,8	17,4	18,7	20,6	22,6
	≥ C20/25	[kN]	19,3	18,7	18,3	18,6	19,5	21,1	22,6

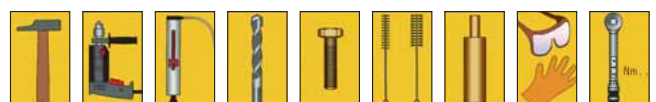
W-ED M12



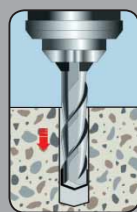
W-ED DW 15



Würth System Components



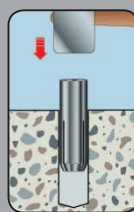
Setting Instructions



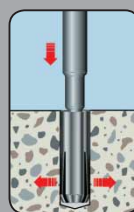
Drill hole



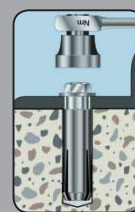
Clean drilled hole



Knock in anchor
until flush



Anchor with
spreading tool



Fit component
Apply torque (not with DW15)