

WIT-PE 500 A4 INJECTION SYSTEM, OPTION 1

23.7

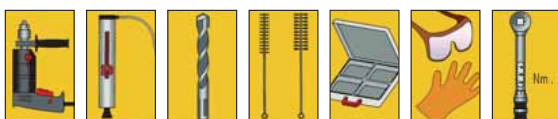
Performance data				M8	M10	M12	M16	M20	M24	M30	
Anchor diameter [in mm]				h _{ef} 60-96	h _{ef} 60-120	h _{ef} 70-144	h _{ef} 80-192	h _{ef} 90-240	h _{ef} 96-288	h _{ef} 120-360	
Perm. tensile load ¹⁾ on a single anchor without edge influence	Tensile zone (cracked concrete C20/25 ²⁾ , (s ≥ 3 h _{ef} , c ≥ 1.5 h _{ef})		N _{perm} [kN] = C20/25 ²⁾	43°C ³⁾ /60°C ⁴⁾	-	-	4.7-9.7	6.4-15.3	6.7-18	8.6-25.9	-
	Pressure zone (uncracked concrete C20/25 ²⁾ , (s ≥ 3 h _{ef} , c ≥ 1.5 h _{ef})			43°C ³⁾ /72°C ⁴⁾	5.7-9.1	7.1-14.2	9.4-19.4	13.6-32.6	14.7-41	16.2-55.4	22.6-70.2
	Tensile zone (cracked concrete C20/25 ²⁾ , c ≥ 10 h _{ef})		V _{perm} [kN] = C20/25 ²⁾	43°C ³⁾ /60°C ⁴⁾	-	-	11.3-13.7	15.3-25.2	18.8-39.4	24.1-56.8	-
	Pressure zone (uncracked concrete C20/25 ²⁾ , c ≥ 10 h _{ef})			43°C ³⁾ /72°C ⁴⁾	5.1-8.1	6.4-12.7	8.4-17.2	12-28.7	13.5-35.9	16.2-51.7	22.6-70.2
Permissible bending torque				M _{perm} [Nm]	11.9	23.8	42.1	106.2	207.9	359	337.6

Characteristic values										
Minimum axial spacing	s _{min} [mm]	40	50	60	80	100	120	150		
Minimum edge spacing	c _{min} [mm]	40	50	60	80	100	120	150		
Minimum component thickness	h _{min} [mm]	h _{ef} + 30 mm ≥ 100 mm						h _{ef} + 2 d ₀		
Setting and drilled hole depth range	h _{ef} [mm]	60-96	60-120	70-144	80-192	90-240	96-288	120-360		
Nom. drill dia.	d ₀ [mm]	10	12	14	18	24	28	35		
Through-hole in the component being connected	d _f ≤ [mm]	9	12	14	18	22	26	33		
Torque while installing anchor	T _{inst} ≤ [Nm]	10	20	40	80	120	160	200		
Cleaning brush dia.	D ≥ [mm]	12	14	16	20	26	30	37		

Drilled hole cleaning		M8-M16: Blow out 2x, brush out mechanically 2x, blow out 2x M20-M30: Blow out 2x with compressed air (6 bar), brush out mechanical 2x, blow-out 2x with compressed air (6 bar)									
Cleaning Brush (Steel)	Art. No. P.Qty = 1	0905 499 001	0905 499 002	0905 499 003	0905 499 004	0905 499 005	0905 499 008	Special order			
Machine Mount	Art. No. P.Qty = 1	Hexagon: Art. No. 0905 499 101 SDS-plus: Art. No. 0905 499 102									
Extension	Art. No. P.Qty = 1	0905 499 111									
Brush Template	Art. No. P.Qty = 1	0905 499 099									
Blow-Out Pump	Art. No. P.Qty = 1	Blow-Out Pump: Art. No. 0903 990 001 M8 Reduction Attachment for Blow-Out Pump Art. No. 0905 499 202					WIT-DD Compressed-Air Nozzle: Art. No. 0903 489 217 Compressed-Air Nozzle Threaded Connection: Art. No. 0903 489 291 WIT-SDD DL Hose: Art. No. 0699 903 7				

Anchor dimensions		M8	M10	M12	M16	M20	M24	M30	
Anchor diameter	h _{ef} [mm]	80	90	110	125	170	210		
Effective anchoring depth	l [mm]	1,000	1,000	1,000	1,000	1,000	1,000		
Total length	l [mm]	1,000	1,000	1,000	1,000	1,000	1,000		
Max. attachment height	t _{fix} [mm]	20	15	10	20	20	15		
Designation		M8 x 1,000	M10 x 1,000	M12 x 1,000	M16 x 1,000	M20 x 1,000	M24 x 1,000		
Anchor Bar Stainless steel A4-70	Art. No.	5915 208 110	5915 210 115	5915 212 135	5915 216 165	5915 220 220	5915 224 260		
Threaded Rod cut to length with acceptance test certificate 3.1 according to EN 10204 Stainless steel A4-70	Art. No.	5916 108 999	5916 110 999	5916 112 999	5916 116 999	5916 120 999	5916 124 999		
Packing unit	P.Qty.	10	10	10	10	5	5		
WIT-PE 500 Mortar Cartridge	Art. No.	Mortar Cartridge of 385 ml (incl. 1 static mixer): Art. No. 0903 480 001 P. Qty. = 1/12							
Application Gun	Art. No. P.Qty = 1	Dispenser Gun for 385 ml cartridge: Art. No. 0891 009							
Static Mixer	Art. No. P.Qty = 10	0903 488 101							
Mixer Extension and Injection Adapter	Art. No.	0903 488 121 P. Qty. = 20 10 mm dia., L = 2 m				0903 488 122 P. Qty. = 20 16 mm dia., L = 2 m Injection Adapter for M20: 0903 488 051 P. Qty. = 10 for M24: 0903 488 052 P. Qty. = 10			

Würth system components



¹⁾ The partial safety coefficients of the resistances regulated in the approval and a partial safety coefficient of the effects of γ_f = 1.4 have been taken into account. With a combination of tensile and transverse loads, with edge influence and anchor groups, please observe EOTA Technical Report TR029.

²⁾ The concrete has normal reinforcement. Higher values are possible for higher concrete strengths.
³⁾ Maximum long-term temperature
⁴⁾ Maximum short-term temperature