

W-VIZ-IG/S INJECTION SYSTEM, M6 TO M10

23.3

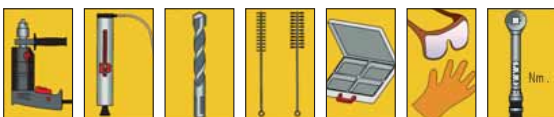
Performance data				M6	M6	M8	M8	M10	M10
Female thread [mm]				h _{ef} 40	h _{ef} 50	h _{ef} 60	h _{ef} 75	h _{ef} 70	h _{ef} 80
Permissible centric tensile load ¹⁾ on a single anchor without edge influence	Tensile zone (cracked concrete C20/25 ²⁾ , s ≥ 3 h _{ef} , c ≥ 1.5 h _{ef})	N _{perm.} [kN] = C20/25 ²⁾	50 ° C ³⁾ /80 ° C ⁴⁾	4.3	6.1	8.0	11.1	10.0	12.3
			72 ° C ³⁾ /120 ° C ⁴⁾	2.4	3.6	5.7	5.7	7.6	9.5
	Pressure zone (uncracked concrete C20/25 ²⁾) Minimum axial and edge spacing (s ≥ 3 h _{ef} , c ≥ 1.5 h _{ef})	50 ° C ³⁾ /80 ° C ⁴⁾	4.3	7.6	9.0	13.8	14.1	16.7	
		72 ° C ³⁾ /120 ° C ⁴⁾	2.9	4.3	7.6	7.6	7.6	11.9	
Permissible transverse load ¹⁾ on a single anchor without edge influence	Tensile zone (cracked concrete C20/25 ²⁾ , c ≥ 10 h _{ef})	V _{perm.} [kN] = C20/25 ²⁾		4.6	4.6	5.4	8.6	10.3	10.3
	Pressure zone (uncracked concrete C20/25 ²⁾ , c ≥ 10 h _{ef})			4.6	4.6	5.4	8.6	10.3	10.3
Permissible bending torque			M _{perm.} [Nm]	6.9	6.9	17.1	17.1	34.3	34.3

Characteristic values													
Minimum component thickness	h _{min} ≥ [mm]	80	80	100	110	110	110	110	110	110	110	110	110
Minimum axial spacing	s _{min} ≥ [mm]	40	40	40	40	40	50	40	50	55	55	40	55
Cracked concrete	Uncr. concrete												
Minimum edge spacing	c _{min} ≥ [mm]	40	40	40	40	40	50	40	50	55	55	50	55
Cracked concrete	Uncr. concrete												
Axial spacing	s _{cr,N} [mm]	120	150	180	225	210	240						
Edge spacing	c _{cr,N} [mm]	60	75	90	112.5	105	120						
Effective anchoring depth	h _{ef} [mm]	40	50	60	75	70	80						
Nom. drill dia.	d ₀ [mm]	10	10	12	12	14	14						
Drill hole depth	h ₀ ≥ [mm]	42	55	65	80	80	85						
Through-hole in the component being connected	d _f ≤ [mm]	7	7	9	9	12	12						
Torque while installing anchor	T _{inst} ≤ [Nm]	8	8	10	10	15	15						
Cleaning brush dia.	D ≥ [mm]	10.8	10.8	13.0	13.0	15.0	15.0						

Drill hole cleaning	M6 – M10: Blow out 2x, brush out mechanically 2x, blow out 2x
Cleaning Brush (Steel)	Art. No. P.Qty = 1 0905 499 001 0905 499 002 0905 499 003
Machine Mount	Art. No. P.Qty = 1 Hexagon: Art. No. 0905 499 101 /SDS-plus Mount: 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

Anchor dimensions							
W-VIZ-IG/S	Dia.	M6		M8		M10	
Effective anchoring depth	h _{ef} [mm]	40	50	60	75	70	80
Total length	l [mm]	41	52	63	78	74	84
Thread length	L _{th} [mm]	12	12	16	16	20	20
Minimum screw-in depth	L _{smin} [mm]	7	7	9	9	12	12
Designation	W-VIZ-IG/S	40 M6 x 41	50 M6 x 52	60 M8 x 63	75 M8 x 78	70 M10 x 74	80 M10 x 84
W-VIZ-IG/S Female-Thread Anchor Galvanized steel	Art. No.	5916 106 041	5916 106 052	5916 108 063	5916 108 078	5916 110 074	5916 110 084
Packing unit	P.Qty.	10	10	10	10	10	10
WIT-VM 100 Mortar Cartridge		Mortar Cartridge, 330 ml (incl. 1 static mixer) Art. No. 0905 440 003 P.Qty. = 1/12					
Number of attachment points/cartridges	Approx. qty.	62	52	36	30	32	24
Static Mixer	Art. No. P.Qty = 10	0903 420 001					
Extension for static mixer	Art. No. P.Qty = 10	0903 420 004					

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 (ETA-G), Appendix C.
- ²⁾ The concrete has normal reinforcement. Higher values are possible for higher concrete strengths.
- ³⁾ Maximum long-term temperature.
- ⁴⁾ Maximum short-term temperature.
- ⁵⁾ The back of the concrete component must be checked to ensure that no chipping has occurred during drilling (see ETA-04/0095).