

WIT-VM 200 + SIEVE SLEEVE WIT-SH 18/95

24.2

Performance data (aerated concrete: For the permissible loads, see Approval Z-21.3-1771)			WIT-AS Anchor Bar						WIT-IG Internal Screw Thread Sleeve			
Anchor diameter			M8		M10		M12		M6		M8	
Plastic sieve sleeve			without WIT-SH	WIT-SH 18/95	without WIT-SH	WIT-SH 18/95	without WIT-SH	WIT-SH 18/95	without WIT-SH	WIT-SH 18/95	without WIT-SH	WIT-SH 18/95
Permissible load (Tensile, transverse and oblique pull at every angle)	Solid brick	F_{perm} [kN] \geq MB 12	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	Solid sand-lime brick	F_{perm} [kN] \geq CS 12	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	Vertically perforated brick	F_{perm} [kN] \geq VPB 4	-	0.3/0.6 ¹⁾	-	0.3/0.6 ¹⁾	-	0.3/0.6 ¹⁾	-	0.3/0.6 ¹⁾	-	0.3/0.6 ¹⁾
		F_{perm} [kN] \geq VPB 6	-	0.4/0.8 ¹⁾	-	0.4/0.8 ¹⁾	-	0.4/0.8 ¹⁾	-	0.4/0.8 ¹⁾	-	0.4/0.8 ¹⁾
	Perforated sand-lime brick	F_{perm} [kN] \geq PSLB 4	-	0.8/1.0 ¹⁾	-	0.8/1.0 ¹⁾	-	0.8/1.0 ¹⁾	-	0.8/1.0 ¹⁾	-	0.8/1.0 ¹⁾
		F_{perm} [kN] \geq PSLB 6	-	0.4/0.6 ¹⁾	-	0.4/0.6 ¹⁾	-	0.4/0.6 ¹⁾	-	0.4/0.6 ¹⁾	-	0.4/0.6 ¹⁾
	Hollow lightweight concrete block	F_{perm} [kN] \geq HBLB 2	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾
		F_{perm} [kN] \geq HBLB 4	-	0.8/1.4 ¹⁾	-	0.8/1.4 ¹⁾	-	0.8/1.4 ¹⁾	-	0.8/1.4 ¹⁾	-	0.8/1.4 ¹⁾
	Hollow concrete block	F_{perm} [kN] \geq HBLB 2	-	0.3/0.5 ¹⁾	-	0.3/0.5 ¹⁾	-	0.3/0.5 ¹⁾	-	0.3/0.5 ¹⁾	-	0.3/0.5 ¹⁾
		F_{perm} [kN] \geq HBLB 4	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾	-	0.6/0.8 ¹⁾
Fire resistance duration ⁵⁾	F30 [kN]	1.67	-	1.78	-	1.92	-	0.81	-	1.67	-	
Anchoring base: Solid brick > MB12 Solid sand-lime brick > SSLB 12	F60 [kN]	0.8	-	0.85	-	0.92	-	0.29	-	0.8	-	
	F90 [kN]	0.51	-	0.54	-	0.58	-	0.12	-	0.51	-	
	F120 [kN]	0.36	-	0.39	-	0.42	-	0.03	-	0.36	-	

Characteristic values (aerated concrete: For the permissible loads, see Approval Z-21.3-1771)		
Axle base / min. axle base (anchor group)	a / min a [mm]	MB, CS, VPB, PSLB = 100 / 50 HBLB, HBC = 200 / -
Minimum intermediate spacing (individual anchor)	a_c [mm]	250
Edge spacing	$a_e \geq$ [mm]	MB, CS = 250 VPB, PSLB, HBLB, HBC = 200
Edge clearance under special conditions ³⁾	$a_e \geq$ [mm]	MB, CS = 60 VPB, PSLB, HBLB, HBC = 50
Minimum component thickness	d [mm]	110
Anchoring depth	h_{ef} [mm]	93
Installation depth of sieve sleeve	h_{nom} [mm]	- 95 - 95 - 95 - 95
Drill nominal dia. ²⁾ without sieve sleeve / with sieve sleeve	d_0 [mm]	10 18 12 18 14 18 14 18 14 18
Drill hole depth	$f \geq$ [mm]	100
Through-hole in the component being connected	$d_{on} \leq$ [mm]	9 12 14 7 9
Thread screw-in depth	s [mm]	- - 8-20 8-20
Max. torque when securing	T_{inst} [Nm]	8 ⁴⁾
Cleaning brush dia.	$d_B \geq$ [mm]	11 19 13 19 15 19 15 19 15 19

Drill hole cleaning Blow out 2 x, brush out 2 x, blow out 2 x (No drill hole cleaning: VPB, provided that hollow chambers are spot-drilled for each drilling hole)											
Cleaning brush (steel) with connecting thread M6	Art. No. P.Qty. = 1	0905 499 021	0905 499 024	0905 499 022	0905 499 024	0905 499 023	0905 499 024	0905 499 023	0905 499 024	0905 499 023	0905 499 024
Handle	Art. No. P.Qty. = 1	0905 499 103									
Machine Mount	Art. No. P.Qty. = 1	Hexagon: Art. No. 0905 499 101 SDS plus mount: Art. No. 0905 499 102									
Blow-Out Pump	Art. No. P.Qty. = 1	0903 990 001									

Characteristic values, anchor dimensions, accessory parts																									
Anchor diameter		M8				M10				M12				M6	M8										
Total length	l [mm]	110	110	120	120	140	140	120	120	140	140	160	160	125	125	145	145	165	165	225	225	93	93	93	93
Max. attachment height	f_{fix} [mm]	10	10	20	20	40	40	16	16	36	36	56	56	20	20	40	40	60	60	120	120	-	-	-	-
Anchor Bar WIT-AS Galvanized, blue passivated steel WIT-AS A4 Stainless steel A4	Art. No.	0903 451 081	0903 452 081	0903 451 082	0903 452 082	0903 451 083	0903 452 083	0903 451 101	0903 452 101	0903 451 102	0903 452 102	0903 451 103	0903 452 103	0903 451 121	0903 452 121	0903 451 122	0903 452 122	0903 451 123	0903 452 123	0903 451 124	0903 452 124	-	-	-	-
Internal screw thread WIT-IG Galvanized, blue passivated steel WIT-IG A4 Stainless steel A4	Art. No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0903 461 061	0903 462 061	0903 461 081	0903 462 081
Packing unit	P.Qty.	10																							
Plastic sieve sleeve WIT-SH 18/95	Art. No. P.Qty. = 10	0903 44 180																							
WIT-VM 200 Mortar Cartridge	Art. No.	Mortar Cartridge, 330 ml (incl. 1 static mixer) Art. No. 0903 450 003 P.Qty. = 1/12																							
Number of fastening points/cartridge (330 ml = 190 mm in scale)																									
Perforated brick with sieve sleeve	approx. qty.	7				7				7				7				7	7						
Solid brick without sieve sleeve	approx. qty.	46				28				20				20				20	20						
Solid brick with sieve sleeve	approx. qty.	10				11				12				12				12	12						
Application Gun	Art. No. P.Qty. = 1	Application gun: Art. No. 0891 003																							
Static Mixer	Art. No. P.Qty. = 10	0903 420 001																							
Extension for static mixer	Art. No. P.Qty. = 10	0903 420 004																							

1) Increased value only applies if drilling is carried out in rotating gear; in PSLB bricks it must also be proven that the outer bars of the blocks are at least 30 mm (old blocks).
 2) The carbide impact 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 anchor installation". The Würth masonry drills comply with the specifications of the information leaflet.
 3) Applies to masonry with extra load or tipping certificate. Does not apply to shear-off load directed toward clear edge.
 4) Nm for anchor plate on anchoring base that does not make contact.
 5) Fire resistance: Anchoring base, vertically perforated brick \geq VPB12 (in acc. with DIN 105); perforated sand-lime brick \geq PSLB12 (in acc. with DIN 106) and hollow pumice stone \geq 40 mm (in acc. with DIN V 18151-100) see Fire Protection Test Report No. [3480/9725]-CM.

Würth System Components

