

TYPE WK SERIES

Pneumatic Power Cylinders | Product Overview | Technical Information



- Piston rod with ISO fit

Note:

Operating pressure max. [87psi] 6 bar, min [44psi] 3 bar. Use only clean, water- and oilfree compressed air. Piston rod is not secured against twisting and should not be loaded transversal.

See page MC-PPC-2 for more information.

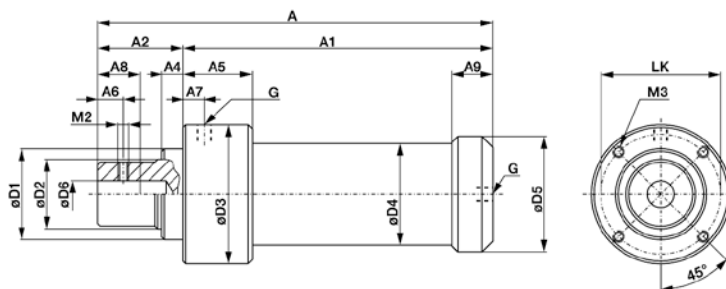
Model	Piston force within forward stroke at 6 bar kN [lbf]	Forward stroke mm [in]	Clamping force within power stroke at 6 bar kN [lbf]	Power stroke mm [in]	Piston dia. mm [in]	Air consumption per double stroke at 6 bar dm ³ [ft ³]	Stroke frequency depending on total stroke [min ⁻¹]	Temperature range °C [°F]	Weight [lbs] kg
WK400-15-6-1	[153] 0,68	[0.59] 15	[900lbf] 4	[0.24] 6	[1.75] 40	[0.025] 0,71	5 bis 30	[23 bis 167] - 5 bis +75	[2.6] 1,20
WK400-30-6-1		[1.18] 30				[0.031] 0,89			[2.8] 1,25
WK400-50-6-1		[1.97] 50				[0.040] 1,14			[2.9] 1,30
WK400-70-6-1		[2.76] 70				[0.049] 1,38			[3.0] 1,35
WK400-120-6-1		[4.72] 120				[0.070] 1,98			[3.3] 1,50
WK400-200-6-1		[7.87] 200				[0.104] 2,94			[3.7] 1,70
WK600-15-6-1	[238] 1,06	[0.59] 15	[1350lbf] 6	[0.24] 6	[1.97] 50	[0.047] 1,34	5 bis 30	[23 bis 167] - 5 bis +75	[4.5] 2,05
WK600-30-6-1		[1.18] 30				[0.058] 1,65			[4.7] 2,15
WK600-50-6-1		[1.97] 50				[0.073] 2,06			[5.1] 2,30
WK600-70-6-1		[2.76] 70				[0.087] 2,47			[6.3] 2,40
WK600-120-6-1		[4.72] 120				[0.124] 3,50			[6.6] 2,70
WK600-200-6-1		[7.87] 200				[0.182] 5,15			[7.1] 3,20
WK1000-15-7-1	[393] 1,75	[0.59] 15	[2250lbf] 10	[0.27] 7*	[2.48] 63	[0.078] 2,20	5 bis 30	[23 bis 167] - 5 bis +75	[7.9] 3,60
WK1000-30-7-1		[1.18] 30				[0.094] 2,66			[8.4] 3,80
WK1000-50-7-1		[1.97] 50				[0.115] 3,26			[9.0] 4,10
WK1000-70-7-1		[2.76] 70				[0.136] 3,85			[9.7] 4,40
WK1000-120-7-1		[4.72] 120				[0.189] 5,35			[11.5] 5,20
WK1000-200-7-1		[7.87] 200				[0.273] 7,74			[14.1] 6,40
WK3000-15-6-1	[674] 3	[0.59] 15	[4500lbf] 30	[0.24] 6*	[3.35] 85	[0.158] 4,48	5 bis 25	[23 bis 167] - 5 bis +75	[26.0] 11,80
WK3000-30-6-1		[1.18] 30				[0.184] 5,20			[27.6] 12,50
WK3000-50-6-1		[1.97] 50				[0.218] 6,17			[29.5] 13,40
WK3000-70-6-1		[2.76] 70				[0.252] 7,13			[31.5] 14,30
WK3000-120-6-1		[4.72] 120				[0.337] 9,54			[36.6] 16,60
WK3000-200-6-1		[7.87] 200				[0.473] 13,40			[44.5] 20,20
WK4500-15-6-1	[944] 4,2	[0.59] 15	[10120lbf] 45	[0.24] 6*	[3.94] 100	[0.218] 6,18	5 bis 25	[23 bis 167] - 5 bis +75	[29.3] 13,30
WK4500-30-6-1		[1.18] 30				[0.253] 7,17			[30.9] 14,00
WK4500-50-6-1		[1.97] 50				[0.300] 8,50			[33.1] 15,00
WK4500-70-6-1		[2.76] 70				[0.347] 9,83			[34.8] 15,80
WK4500-120-6-1		[4.72] 120				[0.466] 13,20			[37.9] 18,10
WK4500-200-6-1		[7.87] 200				[0.653] 18,50			[47.8] 21,70
WK6000-30-6	[1350] 6,0	[1.18] 30	[13490lbf] 60,0	[0.24] 6*	[4.92] 125,0	[0.367] 10,40	5 bis 25	[23 bis 167] - 5 bis +75	[52.9] 24,00
WK6000-50-6		[1.97] 50				[0.454] 12,85			[54.0] 24,50
WK6000-70-6		[2.76] 70				[0.536] 15,17			[55.1] 25,00
WK6000-120-6		[4.72] 120				[0.747] 21,15			[58.4] 26,50

* Power strokes up to 12 mm and other forward strokes upon request

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Type WK in standard version



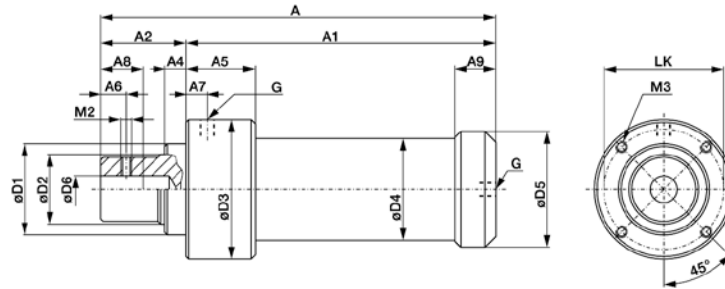
Model	Dimensions for standard version of type WK Differences of dimensions for cylinder with magnet piston rings see chart on page MC-PPC-10																	
	A	A ₁	A ₂	A ₄	A ₅	A ₇	A8**	A9	Ø D ₁	Ø D ₂	Ø D ₃	Ø D ₄	Ø D ₅	Ø D ₆	M ₂	M ₃	LK	G
WK400-15-6-1	[7.32] 186	[5.71] 145	[1.61] 41	[0.47] 12	[1.54] 39	[0.39] 10	[0.98] 25	[0.93] 23,5	[1.57] 40 _{h8}	[0.98] 25 _{h7}	[2.48] 63	[1.73] 44	[1.93] 49	10 ^{H7}	M6	[0.06] M5, 10mm tief	[2.13] 54	G1/8
WK400-30-6-1	[7.91] 201	[6.30] 160																
WK400-50-6-1	[8.70] 221	[7.09] 180																
WK400-70-6-1	[9.49] 241	[7.87] 200																
WK400-120-6-1	[11.46] 291	[9.84] 250																
WK400-200-6-1	[14.61] 371	[12.99] 330	[1.61] 41	[0.47] 12	[1.54] 39	[0.39] 10	[0.98] 25	[0.93] 23,5	[1.57] 40 _{h8}	[0.98] 25 _{h7}	[2.87] 73	[2.13] 54	[2.32] 59	10 ^{H7}	M6	[0.06] M6, 10mm tief	[2.52] 64	G1/8
WK600-15-6-1	[7.91] 201	[6.30] 160																
WK600-30-6-1	[8.50] 216	[6.89] 175																
WK600-50-6-1	[9.29] 236	[7.68] 195																
WK600-70-6-1	[10.08] 256	[8.46] 215																
WK600-120-6-1	[12.05] 306	[10.43] 265	[2.20] 56	[0.59] 15	[2.05] 52	[0.39] 10	[1.57] 40	[1.14] 29	[2.48] 63 _{h8}	[1.57] 40 _{h7}	[3.92] 99,5	[2.68] 68	[2.93] 74,5	20 ^{H7}	M8	[0.98] M8, 12mm tief	[3.35] 85	G1/8
WK600-200-6-1	[15.20] 386	[13.58] 345																
WK1000-15-7-1	[9.57] 243	[7.36] 187																
WK1000-30-7-1	[10.16] 258	[7.95] 202																
WK1000-50-7-1	[10.94] 278	[8.74] 222																
WK1000-70-7-1	[11.73] 298	[9.53] 242	[13.70] 348	[11.50] 292	[16.85] 428	[14.65] 372												
WK1000-120-7-1																		
WK1000-200-7-1																		

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Type WK in standard version



Modell	Dimensions for standard version of type WK Differences of dimensions for cylinder with magnet piston rings see chart on page MC-PPC-10																	
	A	A ₁	A ₂	A ₄	A ₅	A ₇	A8**	A ₉	Ø D ₁	Ø D ₂	Ø D ₃	Ø D ₄	Ø D ₅	Ø D ₆	M ₂	M ₃	LK	G
WK3000-15-6-1	[12.40] 315	[9.25] 235	[3.15] 80	[0.79] 20	[2.76] 70	[0.79] 20	[1.57] 40	[1.77] 45	[3.35] 85 _{h8}	[2.56] 65 _{h7}	[5.12] 130	[3.74] 95	[4.25] 108	25 ^{H7}	M10	[16] M10, 16mm tief	[4.41] 112	1/4
WK3000-30-6-1	[12.99] 330	[9.84] 250																
WK3000-50-6-1	[13.78] 350	[10.63] 270																
WK3000-70-6-1	[14.57] 370	[11.42] 290																
WK3000-120-6-1	[16.54] 420	[13.39] 340	[3.15] 80	[0.79] 20	[2.76] 70	[0.79] 20	[1.57] 40	[1.77] 45	[3.35] 85 _{h8}	[2.56] 65 _{h7}	[5.12] 130	[3.74] 95	[4.25] 108	25 ^{H7}	M10	[16] M10, 16mm tief	[4.41] 112	1/4
WK3000-200-6-1	[19.69] 500	[16.54] 420																
WK4500-15-6-1	[12.40] 315	[9.25] 235																
WK4500-30-6-1	[12.99] 330	[9.84] 250																
WK4500-50-6-1	[13.78] 350	[10.63] 270	[3.15] 80	[0.79] 20	[2.76] 70	[0.79] 20	[1.57] 40	[1.77] 45	[3.35] 85 _{h8}	[2.56] 65 _{h7}	[5.71] 145	[4.33] 110	[4.84] 123	25 ^{H7}	M10	[1.65] M10, 16mm tief	[5.00] 127	1/4
WK4500-70-6-1	[14.57] 370	[11.42] 290																
WK4500-120-6-1	[16.54] 420	[13.39] 340																
WK4500-200-6-1	[19.69] 500	[16.54] 420																
WK6000-30-6	[14.37] 365	[11.22] 285	[3.15] 80	[0.79] 20	[3.3] 84	[0.87] 22	[1.57] 40	[2.09] 53	[3.35] 85 _{h8}	[2.56] 65 _{h7}	[7.01] 178	[5.31] 135	[5.83] 148	25 ^{H7}	M10	M12, 18mm tief	[5.91] 150	1/2
WK6000-50-6	[15.16] 385	[12.01] 305																
WK6000-70-6	[15.94] 405	[12.80] 325																
WK6000-120-6	[17.91] 455	[14.76] 375																

** Usable depth of bore with ISO fit D6