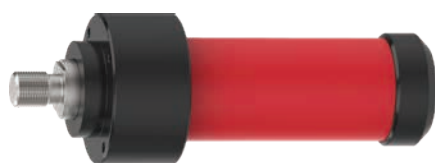


TYPE K SERIES

Pneumatic Power Cylinders | Product Overview | Technical Information



- Piston rod with male thread

Note:

Operating pressure max. 6 bar [87psi], min 3 bar [44psi]. 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.

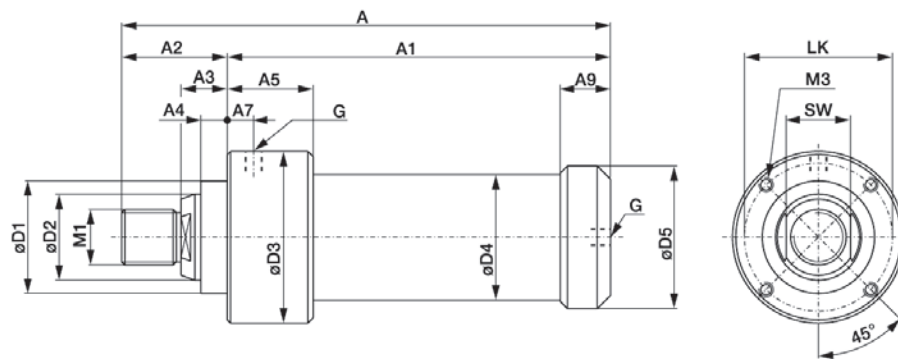
Model	Piston force within forward stroke at 6 bar kN [lbf]	Forward stroke mm [in]	Clamping force within power stroke at 6 bar kN [lbf]	Power stroke mm [in]	Piston dia. mm [in]	Air consumption per double stroke at 6 bar dm ³ [ft ³]	Stroke frequency depending on total stroke [min ⁻¹]	Temperature range °C [°F]	Weight Kg [lbs]
K400-15-6-1	[153] 0,68	[0.59] 15	[900lbf] 4	[0.24] 6	[1.75] 40	[0.025] 0,71	5 to 30	[23 to 167] - 5 to +75	[2.6] 1,20
K400-30-6-1		[1.18] 30				[0.031] 0,89			[2.8] 1,25
K400-50-6-1		[1.97] 50				[0.040] 1,14			[2.9] 1,30
K400-70-6-1		[2.76] 70				[0.049] 1,38			[3.0] 1,35
K400-120-6-1		[4.72] 120				[0.070] 1,98			[3.3] 1,50
K400-200-6-1		[7.87] 200				[0.104] 2,94			[3.7] 1,70
K600-15-6-1	[238] 1,06	[0.59] 15	[1350lbf] 6	[0.24] 6	[1.97] 50	[0.047] 1,34	5 to 30	[23 to 167] - 5 to +75	[4.5] 2,05
K600-30-6-1		[1.18] 30				[0.058] 1,65			[4.7] 2,15
K600-50-6-1		[1.97] 50				[0.073] 2,06			[5.1] 2,30
K600-70-6-1		[2.76] 70				[0.087] 2,47			[5.3] 2,40
K600-120-6-1		[4.72] 120				[0.124] 3,50			[6.0] 2,70
K600-200-6-1		[7.87] 200				[0.182] 5,15			[7.1] 3,20
K1000-15-7-1	[393] 1,75	[0.59] 15	[2250lbf] 10	[0.27] 7*	[2.48] 63	[0.078] 2,20	5 to 30	[23 to 167] - 5 to +75	[7.9] 3,60
K1000-30-7-1		[1.18] 30				[0.094] 2,66			[8.4] 3,80
K1000-50-7-1		[1.97] 50				[0.115] 3,26			[9.0] 4,10
K1000-70-7-1		[2.76] 70				[0.136] 3,85			[9.7] 4,40
K1000-120-7-1		[4.72] 120				[0.189] 5,35			[11.5] 5,20
K1000-200-7-1		[7.87] 200				[0.273] 7,74			[14.1] 6,40
K3000-15-6-1	[674] 3	[0.59] 15	[4500lbf] 30	[0.24] 6*	[3.35] 85	[0.158] 4,48	5 to 25	[23 to 167] - 5 to +75	[26.0] 11,80
K3000-30-6-1		[1.18] 30				[0.184] 5,20			[27.6] 12,50
K3000-50-6-1		[1.97] 50				[0.218] 6,17			[29.5] 13,40
K3000-70-6-1		[2.76] 70				[0.252] 7,13			[31.5] 14,30
K3000-120-6-1		[4.72] 120				[0.337] 9,54			[36.6] 16,60
K3000-200-6-1		[7.87] 200				[0.473] 13,40			[44.5] 20,20
K4500-15-6-1	[944] 4,2	[0.59] 15	[10120lbf] 45	[0.24] 6*	[3.94] 100	[0.218] 6,18	5 to 25	[23 to 167] - 5 to +75	[29.3] 13,30
K4500-30-6-1		[1.18] 30				[0.253] 7,17			[30.9] 14,00
K4500-50-6-1		[1.97] 50				[0.300] 8,50			[33.1] 15,00
K4500-70-6-1		[2.76] 70				[0.347] 9,83			[34.8] 15,80
K4500-120-6-1		[4.72] 120				[0.466] 13,20			[39.9] 18,10
K4500-200-6-1		[7.87] 200				[0.653] 18,50			[47.8] 21,70

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

TYPE K SERIES

Pneumatic Power Cylinders | Technical Information

Type K in standard version

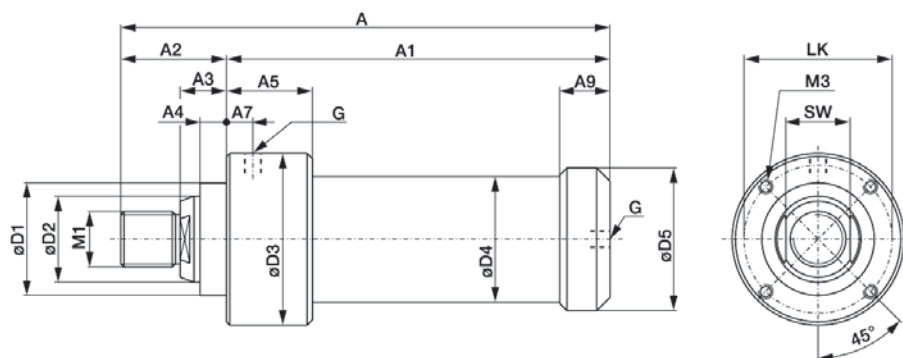


Model	Dimensions for standard version of type K Differences of dimensions for cylinder with magnet piston rings see chart on page MC-PPC-10																	
	A	A ₁	A ₂	A ₃	A ₄	A ₅	A ₇	A ₉	Ø D ₁	Ø D ₂	Ø D ₃	Ø D ₄	Ø D ₅	M ₁	M ₃	LK	SW	G
K400-15-6-1	[7.32] 186	[5.71] 145																
K400-30-6-1	[7.91] 201	[6.30] 160																
K400-50-6-1	[8.70] 221	[7.09] 180	[1.6] 41	[0.8] 21	[0.5] 12	[1.5] 39	[0.4] 10	[0.9] 23,5	[1.6] 40 _{h8}	[1.0] 25 _{h7}	[2.5] 63	[1.7] 44	[1.9] 49	[0.06] M16 x 1,5	[0.1] M5, 10mm deep	[2.1] 54	[0.8] 21	G1/8
K400-70-6-1	[9.49] 241	[7.87] 200																
K400-120-6-1	[11.46] 291	[9.84] 250																
K400-200-6-1	[14.61] 371	[12.99] 330																
K600-15-6-1	[7.91] 201	[6.30] 160																
K600-30-6-1	[8.50] 216	[6.89] 175																
K600-50-6-1	[9.29] 236	[7.68] 195	[1.6] 41	[0.8] 21	[0.5] 12	[1.5] 39	[0.4] 10	[0.9] 23,5	[1.6] 40 _{h8}	[1.0] 25 _{h7}	[2.9] 73	[2.1] 54	[2.3] 59	[0.06] M16 x 1,5	[0.1] M6, 10mm deep	[2.5] 64	[0.1] 21	G1/8
K600-70-6-1	[10.08] 256	[8.46] 215																
K600-120-6-1	[12.05] 306	[10.43] 265																
K600-200-6-1	[15.20] 386	[13.58] 345																
K1000-15-7-1	[9.57] 243	[7.36] 187																
K1000-30-7-1	[10.16] 258	[7.95] 202																
K1000-50-7-1	[10.94] 278	[8.74] 222	[2.2] 56	[1.0] 25	[0.6] 15	[2.0] 52	[0.4] 10	[1.1] 29	[2.5] 63 _{h8}	[1.6] 40 _{h7}	[3.9] 100	[2.7] 68	[2.9] 74,5	[0.98] M24	[1] M8, 12mm deep	[3.3] 85	[1.3] 32	G1/8
K1000-70-7-1	[11.73] 298	[9.53] 242																
K1000-120-7-1	[13.70] 348	[11.50] 292																
K1000-200-7-1	[16.85] 428	[14.65] 372																

TYPE K SERIES

Pneumatic Power Cylinders | Technical Information

Type K in standard version



Model	Dimensions for standard version of type K Differences of dimensions for cylinder with magnet piston rings see chart on page MC-PPC-10																	
	A	A ₁	A ₂	A ₃	A ₄	A ₅	A ₇	A ₉	Ø D ₁	Ø D ₂	Ø D ₃	Ø D ₄	Ø D ₅	M ₁	M ₃	LK	SW	G
K3000-15-6-1	[12.40] 315	[9.25] 235																
K3000-30-6-1	[12.99] 330	[9.84] 250																
K3000-50-6-1	[13.78] 350	[10.63] 270	[3.1] 80	[1.4] 35	[0.8] 20	[2.8] 70	[0.8] 20	[1.8] 45	[3.3] 85 _{h8}	[2.6] 65 _{h7}	[5.1] 130	[3.7] 95	[4.3] 108	[1.65] M42	[1.7] M10, 16mm deep	[4.4] 112	[2.2] 55	G1/4
K3000-70-6-1	[14.57] 370	[11.42] 290																
K3000-120-6-1	[16.54] 420	[13.39] 340																
K3000-200-6-1	[19.69] 500	[16.54] 420																
K4500-15-6-1	[12.40] 315	[9.25] 235																
K4500-30-6-1	[12.99] 330	[9.84] 250																
K4500-50-6-1	[13.78] 350	[10.63] 270	[3.1] 80	[1.4] 35	[0.8] 20	[2.8] 70	[0.8] 20	[1.8] 45	[3.3] 85 _{h8}	[2.6] 65 _{h7}	[5.7] 145	[4.3] 110	[4.8] 123	[1.65] M42	[1.7] M10, 16mm deep	[5.0] 127	[2.2] 55	G1/4
K4500-70-6-1	[14.57] 370	[11.42] 290																
K4500-120-6-1	[16.54] 420	[13.39] 340																
K4500-200-6-1	[19.69] 500	[16.54] 420																