

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.

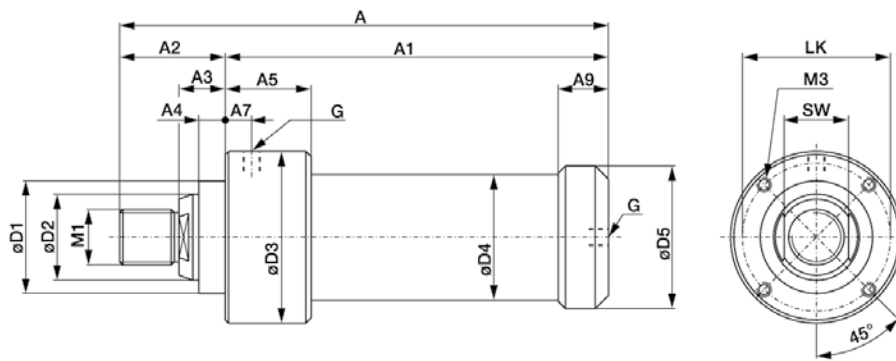
Model	Piston force within forward stroke at 6 bar kN [lbf]	Forward stroke mm [in]	Clamping force within power stroke at 6 bar kN [lbf]	Power stroke mm [in]	Piston dia. mm [in]	Air consumption per double stroke at 6 bar dm ³ [ft ³]	Stroke frequency depending on total stroke [min ⁻¹]	Temperature range °C [°F]	Weight Kg [lbs]
K400-15-6-1	0,68 [153]	15 [0.59]	4 [900lbf]	6 [0.24]	40 [1.75]	0,71 [0.025]	5 to 30	- 5 to +75 [23 to 167]	1,20 [2.6]
K400-30-6-1		30 [1.18]				0,89 [0.031]			1,25 [2.8]
K400-50-6-1		50 [1.97]				1,14 [0.040]			1,30 [2.9]
K400-70-6-1		70 [2.76]				1,38 [0.049]			1,35 [3.0]
K400-120-6-1		120 [4.72]				1,98 [0.070]			1,50 [3.3]
K400-200-6-1		200 [7.87]				2,94 [0.104]			1,70 [3.7]
K600-15-6-1	1,06 [238]	15 [0.59]	6 [1350lbf]	6 [0.24]	50 [1.97]	1,34 [0.047]	5 to 30	- 5 to +75 [23 to 167]	2,05 [4.5]
K600-30-6-1		30 [1.18]				1,65 [0.058]			2,15 [4.7]
K600-50-6-1		50 [1.97]				2,06 [0.073]			2,30 [5.1]
K600-70-6-1		70 [2.76]				2,47 [0.087]			2,40 [5.3]
K600-120-6-1		120 [4.72]				3,50 [0.124]			2,70 [6.0]
K600-200-6-1		200 [7.87]				5,15 [0.182]			3,20 [7.1]
K1000-15-7-1	1,75 [393]	15 [0.59]	10 [2250lbf]	7* [0.27]	63 [2.48]	2,20 [0.078]	5 to 30	- 5 to +75 [23 to 167]	3,60 [7.9]
K1000-30-7-1		30 [1.18]				2,66 [0.094]			3,80 [8.4]
K1000-50-7-1		50 [1.97]				3,26 [0.115]			4,10 [9.0]
K1000-70-7-1		70 [2.76]				3,85 [0.136]			4,40 [9.7]
K1000-120-7-1		120 [4.72]				5,35 [0.189]			5,20 [11.5]
K1000-200-7-1		200 [7.87]				7,74 [0.273]			6,40 [14.1]
K3000-15-6-1	3 [674]	15 [0.59]	30 [6700lbf]	6* [0.24]	85 [3.35]	4,48 [0.158]	5 to 25	- 5 to +75 [23 to 167]	11,80 [26.0]
K3000-30-6-1		30 [1.18]				5,20 [0.184]			12,50 [27.6]
K3000-50-6-1		50 [1.97]				6,17 [0.218]			13,40 [29.5]
K3000-70-6-1		70 [2.76]				7,13 [0.252]			14,30 [31.5]
K3000-120-6-1		120 [4.72]				9,54 [0.337]			16,60 [36.6]
K3000-200-6-1		200 [7.87]				13,40 [0.473]			20,20 [44.5]
K4500-15-6-1	4,2 [944]	15 [0.59]	45 [10120lbf]	6* [0.24]	100 [3.94]	6,18 [0.218]	5 to 25	- 5 to +75 [23 to 167]	13,30 [29.3]
K4500-30-6-1		30 [1.18]				7,17 [0.253]			14,00 [30.9]
K4500-50-6-1		50 [1.97]				8,50 [0.300]			15,00 [33.1]
K4500-70-6-1		70 [2.76]				9,83 [0.347]			15,80 [34.8]
K4500-120-6-1		120 [4.72]				13,20 [0.466]			18,10 [39.9]
K4500-200-6-1		200 [7.87]				18,50 [0.653]			21,70 [47.8]

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

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Type K in standard version



Dimensions for standard version of type K

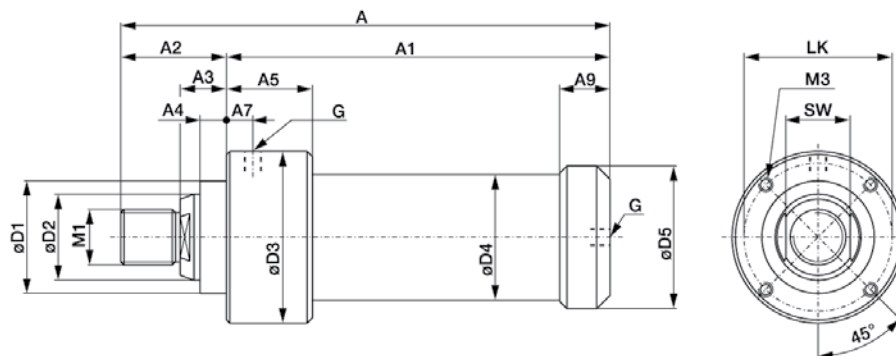
Differences of dimensions for cylinder with magnet piston rings see chart on page MC-PPC-10

Model	Dimensions for standard version of type K																	
	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	186 [7.32]	145 [5.71]																
K400-30-6-1	201 [7.91]	160 [6.30]																
K400-50-6-1	221 [8.70]	180 [7.09]	41 [1.6]	21 [0.8]	12 [0.5]	39 [1.5]	10 [0.4]	23,5 [0.9]	40 _{h8} [1.6]	25 _{h7} [1.0]	63 [2.5]	44 [1.7]	49 [1.9]	M16 x 1,5 [0.06]	M5, 10mm deep [0.1]	54 [2.1]	21 [0.8]	G1/8
K400-70-6-1	241 [9.49]	200 [7.87]																
K400-120-6-1	291 [11.46]	250 [9.84]																
K400-200-6-1	371 [14.61]	330 [12.99]																
K600-15-6-1	201 [7.91]	160 [6.30]																
K600-30-6-1	216 [8.50]	175 [6.89]																
K600-50-6-1	236 [9.29]	195 [7.68]	41 [1.6]	21 [0.8]	12 [0.5]	39 [1.5]	10 [0.4]	23,5 [0.9]	40 _{h8} [1.6]	25 _{h7} [1.0]	73 [2.9]	54 [2.1]	59 [2.3]	M16 x 1,5 [0.06]	M6, 10mm deep [0.1]	64 [2.5]	21 [0.1]	G1/8
K600-70-6-1	256 [10.08]	215 [8.46]																
K600-120-6-1	306 [12.05]	265 [10.43]																
K600-200-6-1	386 [15.20]	345 [13.58]																
K1000-15-7-1	243 [9.57]	187 [7.36]																
K1000-30-7-1	258 [10.16]	202 [7.95]																
K1000-50-7-1	278 [10.94]	222 [8.74]	56 [2.2]	25 [1.0]	15 [0.6]	52 [2.0]	10 [0.4]	29 [1.1]	63 _{h8} [2.5]	40 _{h7} [1.6]	100 [3.9]	68 [2.7]	74,5 [2.9]	M24 x 3,0 [0.98]	M8, 12mm deep [1]	85 [3.3]	32 [1.3]	G1/8
K1000-70-7-1	298 [11.73]	242 [9.53]																
K1000-120-7-1	348 [13.70]	292 [11.50]																
K1000-200-7-1	428 [16.85]	372 [14.65]																

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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	315 [12.40]	235 [9.25]																	
K3000-30-6-1	330 [12.99]	250 [9.84]																	
K3000-50-6-1	350 [13.78]	270 [10.63]	50 [2.0]	35 [1.4]	20 [0.8]	70 [2.8]	20 [0.8]	45 [1.8]	85 _{h8} [3.3]	65 _{h7} [2.6]	130 [5.1]	95 [3.7]	108 [4.3]	M42 [1.65]	M10, 16mm deep [1.7]	112 [4.4]	55 [2.2]	G1/4	
K3000-70-6-1	370 [14.57]	290 [11.42]																	
K3000-120-6-1	420 [16.54]	340 [13.39]																	
K3000-200-6-1	500 [19.69]	420 [16.54]																	
K4500-15-6-1	315 [12.40]	235 [9.25]																	
K4500-30-6-1	330 [12.99]	250 [9.84]																	
K4500-50-6-1	350 [13.78]	270 [10.63]	80 [3.1]	35 [1.4]	20 [0.8]	70 [2.8]	20 [0.8]	45 [1.8]	85 _{h8} [3.3]	65 _{h7} [2.6]	145 [5.7]	110 [4.3]	123 [4.8]	M42 [1.65]	[1.7] M10, 16mm deep	127 [5.0]	55 [2.2]	G1/4	
K4500-70-6-1	370 [14.57]	290 [11.42]																	
K4500-120-6-1	420 [16.54]	340 [13.39]																	
K4500-200-6-1	500 [19.69]	420 [16.54]																	