

PEN CYLINDERS

Double Acting Type, Single Acting Push Type,
Single Acting Pull Type

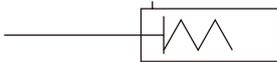


Symbols

● Double acting type ● Single acting push type



● Single acting pull type



Specifications

Item	Bore size mm [in.]	6 [0.236]	10 [0.394]	16 [0.630]
Operation type		Double acting type, Single acting push type, Single acting pull type		
Media		Air		
Mounting type		Basic type, Foot type, Flange type, Clevis type (clevis type of ϕ 10 and ϕ 16 only)		
Operating pressure range ^{Note 1}	MPa [psi.]	0.12~0.7 [17~102]	0.08~0.7 [12~102]	0.06~0.7 [9~102]
Proof pressure	MPa [psi.]	1.05 [152]		
Operating temperature range	°C [°F]	0~70 [32~158]		
Operating speed range	mm/s [in./sec.]	50~750 [2.0~29.5]		
Cushion		None	Rubber bumper	
Lubrication		Not required		
Port size		M5×0.8 ^{Note 2}		

Notes: 1. For details of each cylinder's operation type, see the table for the minimum operating pressure.

2. M3×0.5 can also be selected at ϕ 6 only.

Bore Size and Stroke

● Double acting type				mm [in.]
Bore size	Standard strokes ^{Note}	Maximum available stroke	Stroke tolerance	
6	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60	100		
10	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 75, 100, 125, 150	150		+1.5 0 [+0.059] 0
16	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 75, 100, 125, 150, 175, 200	200		

● Single acting type					mm [in.]
Operation type	Bore size	Standard strokes ^{Note}	Maximum available stroke	Stroke tolerance	
Single acting push type	6	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60	75	+1.5 0 [+0.059] 0	
	10		105		
	16		120		
Single acting pull type	6	5, 10, 15, 20, 25, 30	30	+1.5 0 [+0.059] 0	
	10				
	16				

Note: For non-standard strokes:

For strokes divisible by 5, cylinder tube cutting is used.

For strokes not divisible by 5, collar packed to the next size up stroke of cylinder.

Order Codes

