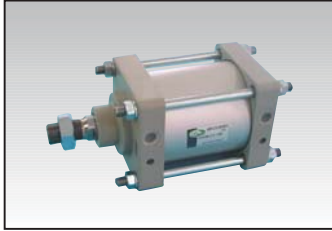


Air Cylinder Series AL/ALX

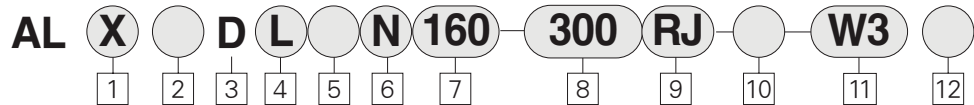
Bore Size: ϕ 125, ϕ 140, ϕ 160,
 ϕ 180, ϕ 200, ϕ 250,
 ϕ 300



- Wide variety of stroke and bore ranges
- Designed for long life and high speed operation
- Built-in air cushion

Action	Series	Bore Size (mm)	Port Size	Standard Stroke	Braking Accuracy	Operating Pressure kgf/cm ² (psi)*1
			Rc(PT)	(mm)*1		
Double Acting/Single Rod 	ALX	ϕ 125	1/2	~1000	Aluminum Tube Nose Solid	0.5 ~ 9.9 (7 ~ 140)
		ϕ 140	1/2	~1000		
		ϕ 160	3/4	~1200		
	AL	ϕ 180	3/4	~2000	Iron Tube Nose Separator	
		ϕ 200	3/4	~2000		
		ϕ 250	1	~2000		
Double Acting/Double Rod 	ALXW	ϕ 125	1/2	~1000	Aluminum Tube Nose Solid	0.5 ~ 9.9 (7 ~ 140)
		ϕ 140	1/2	~1000		
		ϕ 160	3/4	~1200		
	ALW	ϕ 180	3/4	~2000	Iron Tube Nose Separator	
		ϕ 200	3/4	~2000		
		ϕ 250	1	~2000		
		ϕ 300	1	~2000		

How to Order



1 Series

Blank : ϕ 125, ϕ 140, ϕ 160, ϕ 180,
 ϕ 200, ϕ 250, ϕ 300
: Nose Separator
X : ϕ 125, ϕ 140, ϕ 160
: Nose Solid

2 Rod Option

Blank : Single Rod
W : Double Rod

3 Magnet

Blank : Without Magnet
D : Built-in Magnet
(ϕ 125, ϕ 140, ϕ 160 only)

4 Mounting

B : Basic
L : Foot
F : Rod Side Flange
G : Head Side Flange
C : Single Rear Clevis
D : Double Rear Clevis
T : Center Trunnion

5 Tube Material

ϕ 180~ ϕ 300
Blank : Aluminum Tube (Standard)
F : Iron Tube
 ϕ 180~ ϕ 300
Blank : Iron Tube(Standard)
* Iron Tube:Not available with Auto switch

6 Type

Blank : Lubricated
N : Non-Lube
H : Low Pressure Hydraulic
(Except Series AL)

7 Bore size

125 : ϕ 125mm
140 : ϕ 140mm 200 : ϕ 200mm
160 : ϕ 160mm 250 : ϕ 250mm
180 : ϕ 180mm 300 : ϕ 300mm

8 Stroke (mm)

* Refer to the upside table

9 Suffix Symbol for Cylinder

Blank : Without Boot
/Both End Air Cushion

J : Nylon Tarpoulin
(JJ:Double Rod)

K : Neoprene Cloth
(KK:Double)

R : Rod End Air Cushion
H : Head End Air Cushion
N : Non-Cushion

10 Series

Blank : Standard Type
XC16 : Copper-Free

11 Applicable Auto Switches

Blank : None
W3 : Reed Switch
(Lead wire of 0.5m)
W3L : Reed Switch
(Lead wire of 3m)

12 Number of Switches

Blank : 2 pcs
S : 1 pc
: Enter Required Number of Switches

Specifications/Standard Type

Order Made Option

- XC 8 : Adjustable Stroke / Extension
Adjustable Type
XC 9 : Adjustable Stroke / Retraction
Adjustable Type
XC10 : Dual stroke / Double Rod Type
XC11 : Dual stroke / Single Rod Type
X104 : With Coil Scraper
XB5 : Oversized Rod Cylinder
XC6 : Stainless Steel Rod
XB6 : High Temperature Cylinder

Type	Lube, Non-lube	Low Pressure Hydraulic
Fluid	Air	L.P.Oil
Proof Pressure	16kgf/cm ² (227psi)	
Max.Operating Pressure	9.9kgf/cm ² (140psi)	
Min.Operating Pressure	0.5kgf/cm ² (7psi)	0.6kgf/cm ² (8.5psi)
Ambient and Fluid Temperature	5~60°C (40~140°F)	
Piston Speed	50~500mm/s	0.5~200mm/s
Cushion	With Air Cushion	Non Cushion
Stroke Tolerance (mm)	~250 $^{+1.0}_0$ 251~1000 $^{+1.4}_0$ 1001~1500 $^{+1.8}_0$	
Mounting	Basic, Foot, Front Flange, Rear Flange, Single Clevis, Double Clevis, Center Trunnion	