




# Air Cylinder Series AM2

**Bore Size:**  $\phi$  40,  $\phi$  50,  $\phi$  63,  
 $\phi$  80,  $\phi$  100

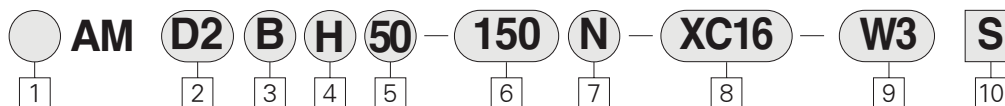


- Improved energy absorption
- Improved cushion capacity
- Increased kinetic energy absorption

Action	Series	Bore Size (mm)	Port Size Rc(PT)	Standard Stroke (mm)	Type	Operating Pressure kgf/cm <sup>2</sup> (psi) <sup>*1</sup>
Double Acting/Single Rod 	AM	$\phi$ 40	1/4	~500	· Lubricated · Non-Lubricated · Low Pressure Hydraulic	0.5~9.9(7~140)
		$\phi$ 50	3/8	~600		
		$\phi$ 63	3/8	~600		
		$\phi$ 80	1/2	~700		
Double Acting/Double Rod 	AMW	$\phi$ 40	1/4	~500	· Lubricated · Non-Lubricated · Low Pressure Hydraulic	0.5~9.9(7~140)
		$\phi$ 50	3/8	~600		
		$\phi$ 63	3/8	~600		
		$\phi$ 80	1/2	~700		
Double Acting/ Non-Rotating Piston Rod 	AMK	$\phi$ 40	1/4	~500	· Non-Lubricated	0.5~9.9(7~140)
		$\phi$ 50	3/8	~600		
		$\phi$ 63	3/8	~600		

\*1. In case of spring extended type, min. Operating pressure is 1.0~9.9 kgf/cm<sup>2</sup> (14~140psi)

## How to Order



### 1 Series

Blank : Metric(PT)  
D : NPT

### 2 Magnet

Blank : Without Magnet  
D : Built-in Magnet

### 3 Mounting

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

### 4 Type

N : Non-Lube(BASIC)  
F : Iron Tube

### 5 Bore Size

$\phi$  40 : 40mm  $\phi$  80 : 80mm  
 $\phi$  50 : 50mm  $\phi$  100 : 100mm  
 $\phi$  63 : 63mm

### 6 Standard Stroke

$\phi$  40 : 25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350  
 $\phi$  50,  $\phi$  63 : 25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600  
 $\phi$  80,  $\phi$  100 : 25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600, 700

### 7 Suffix Symbol for Cylinder

Bellows J : Lubricated  
K : Neoprene Cloth  
N : Non-Cushion  
R : Rod End Air Cushion  
H : Head End Air Cushion

Blank : Both End Air Cushion

### 8 Series

Blank : Standard Type  
XC16 : Copper-Free

### 9 Applicable Auto Switches

Blank : None  
W3 : Existing Plug Point Auto Switch  
W2PL : Intense-Magnetism-Resistant Type

### 10 Number of Switches

Blank : 2 pcs  
S : 1 pc  
n : n pcs

## Specifications / Standard Type

Type	Lube, Non-lube	Low Pressure Hydraulic
Fluid	Air	L.P.Oil
Proof Pressure	15kgf/cm <sup>2</sup> (213 psi)	
Max. Operating Pressure	9.9kgf/cm <sup>2</sup> (140 psi)	
Min. Operating Pressure	0.5kgf/cm <sup>2</sup> (7 psi)	1.0kgf/cm <sup>2</sup> (14 psi)
Ambient and Fluid Temperature	5~60°C (40~140 °F)	
Piston Speed	50~500mm/s	0.5~300mm/s
Cushion	Air Cushion	Not Available
Stroke Tolerance (mm)	~250 : <sup>+1.0</sup> , ~251~1,000 : <sup>+1.4</sup> , 1,001~1,500 : <sup>+1.8</sup>	
Mounting	Basic, Foot, Front Flange, Rear Flange, Single Clevis, Double Clevis, Center Trunnion	

### Order Made Option

- XC 8 : Adjustable Stroke Cylinder / Extension Adjustable Type  
XC 9 : Adjustable Stroke Cylinder / Retraction Adjustable Type  
XC10 : Dual Stroke Cylinder / Double Rod Type  
XC11 : Dual Stroke Cylinder / Single Rod Type  
XB6 : High Temperature Cylinder

ACP/  
UACP

APM

AS

AX

AM

AM2

AL/  
ALX

AQ/  
UAQ

ADQCP

AQ2/  
UADQ2

AG/  
UAG

NGQ/  
UNGQ

AJ/  
AJM

ABK

NSK

GX/  
AGX

NDM

ADR

AMR/  
UAMR

NST

AST

ASTH

NF

NLCD

NLCS

TCRL

NP

ARD/  
UARD

NR

ASL

SB

SAH

CR/  
CV

CR/  
CV-AQ2,ADQ2

CR/  
CV-AX

CR/  
CV-NLCD

CR/  
CV-AGL

DR100

RS

DV1000/  
3000/4000

DS300  
DS2000