

### MXS Series Slide Cylinder



Ordering Code

**MXS** **12** × **50** □ - □

**Series Code** MXS: Air Slide Table  
**Cylinder Bore** 6mm~20mm  
**Stroke** 10mm~150mm  
**Adjuster Option** Blank: Standard  
 AS: Adjuster on extension end  
 AT: Adjuster on retraction end  
 A: Adjuster on both ends  
 BS: Absorber on extension end (not available forΦ6)  
 BT: Absorber on retraction end (not available forΦ6)  
 B: Absorber on both ends (not available forΦ6)  
**Function Option** Blank: Standard  
 F: With buffer  
 R: With end lock (not available forΦ6)  
 P: Axial Piping Type  
 FR: With buffer and end lock(not available forΦ6)  
 FP: With Buffer and axial Piping Type

Specification

Bore(mm)	6×2 (Equivalent Φ8)	8×2 (Equivalent Φ11)	12×2 (Equivalent Φ17)	16×2 (Equivalent Φ22)	20×2 (Equivalent Φ28)	25×2 (Equivalent Φ35)
Working Medium	Air(to be filtered by 40μm filter element)					
Action Way	Double-acting					
Maximum Operating Pressure	0.7MPa					
Minimum Operating Pressure	0.15MPa					
Environment And Fluid Temperature	-10~+60°C					
Piston Speed	50~500mm/s					
Buffering	Rubber buffer(standard)					
Lubrication	Non-lube					
Port Size	M3×0.5	M5×0.8			Rc1/8	

### CRB2 Series Vane Rotary Actuators



Ordering Code

**CRB2** **B** **W** **U** **10** - **180** **S**

**Series Code** CRB2: Rotary Vane  
 CDRB2: With Magnet  
**Mounting Type** B: Basic Type  
 F: Flange Type(Not available for Φ40)  
**Shaft Type** S: Single Shaft  
 W: Double shaft  
**Angle Adjuster** Blank: Without  
 U: With  
**Cylinder Bore** 10mm~40mm  
**Rotation Angle** 90: 90°  
 100: 100°(Double Vane)  
 180: 180° (Single Vane)  
 270: 270° (Single Vane)  
**Vane Type** S: Single Vane  
 D: Double Vane

Specification

Bore(mm)	10	15	20	30	40	
Working medium	Air(to be filtered by 40μm filter element)					
Max.operating pressure	0.7					
Min.operating pressure	0.2					
Ambient and fluid temperature	5~60					
Rotation time adjustment range	0.03~0.3					
Allowable kinetic energy	Single vane	0.00015	0.00025	0.0001	0.015	0.03
	Double vane	0.0003	0.0012	0.0033	0.02	0.04
Shaft load	Radial	15	15	25	30	60
	Thrust	10	10	20	25	40
Connection size	Side ported	M3×0.5			M5×0.8	
	Axial ported	(Single-blade cylinder side swing angle 90°、180°-M5×0.8)				
Angle adjustable range of angle adjustment unit	Single vane	0~230°		0~240°		0~230°
	Double vane	0~90°				

### MXQ Series Slide Cylinder



Ordering Code

**MXQ** **12** × **50** □ - **FR**

**Series Code** MXQ: Air Slide Table  
**Cylinder Bore** 6mm~25mm  
**Body Option** Blank: Standard  
 L: Symmetric Type  
**Stroke** 10mm~150mm  
**Adjuster Type(optional)** Blank: Standard  
 AS: Buffer on extension end  
 AT: Buffer on retraction end  
 A: Buffer on Both ends  
 BS: Absorber on extension end(not available forΦ6)  
 BT: Absorber on retraction end(not available forΦ6)  
 B: Absorber on both ends(not available forΦ6)  
 CS: Metal stopper on extension end  
 CT: Metal stopper on retraction end  
 C: Metal stopper on both ends  
**Function Option** Blank: Standard  
 F: With Buffer  
 R: With end lock(not available forΦ6)  
 P: Axial piping type  
 FR: With buffer and end lock(not available forΦ6)  
 FP: With buffer and axial piping type

Specification

Bore(mm)	6×2 (Equivalent Φ8)	8×2 (Equivalent Φ11)	12×2 (Equivalent Φ17)	16×2 (Equivalent Φ22)	20×2 (Equivalent Φ28)	25×2 (Equivalent Φ35)
Working medium	Air(to be filtered by 40μm filter element)					
Action way	Double-acting					
Maximum operating pressure	0.7MPa					
Minimum operating pressure	0.15MPa					
Environment and fluid temperature	-10~+60°C (But not frozen)					
Specifications	50~500mm/s(Adjuster option/Metal stoppe:50~200mm/s)					
Cushion	Rubber buffer(standard,Adjuster option/Rubber stopper) Shock absorber(Adjuster option/Shock absorber) None(Adjuster option/Metal stopper)					
Stroke length tolerance	No need					
Lubricatin	Non-Lub					
Port Size	M3x0.5	M3x0.8			Rc1/8	

### MRHQ Series Rotary Gripper(Angular Type)



Ordering Code

**MRHQ** **10** **D** - **90** **S**

**Series Code** MRHQ: Rotary 2 Fingers Gripper  
**Cylinder Bore** 10mm~25mm  
**Action** D: Double-acting  
 S: Single-acting (Normally Open)  
 C: Single-acting (Normally Closed)  
**Rotation Angle** 90: 90°  
 180: 180°  
**Single Vane** Single Vane

Specification

Bore(mm)	10	16	20	25
Working Medium	Air(to be filtered by 40μm filter element)			
Claw Motion Pattern	0.7			
Operating Pressure Range (Mpa)	Rotating	0.25~0.7		0.25~1.0
	Claw	Double Action	0.25~0.7	0.1~0.7
		Single Action	0.35~0.7	0.25~0.7
Pendulum Angle	90°±10°, 180°±10°			
Claw Gripe Open Close Repeatability Precision	±0.01mm			
Claw Highest Motion Frequency	180c.p.m			
Ambient And Fluid Temperature	5~60°C (Not freezing)			
Pendulum Adjustable Time	0.07~0.3s/90° (0.5MPa)			
Perrmission Kinetic Energy (J)	0.0046	0.014	0.034	0.074
Gripper Open Close Stroke (mm)	4	61	0	14