

MXS Series Slide Cylinder



MXS 12 x 50

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 for Φ6) BT: Absorber on retraction end (not available for Φ6) B: Absorber on both ends (not available for Φ6)		Function Option Blank: Standard F: With buffer R: With end lock (not available for Φ6) P: Axial Piping Type FR: With buffer and end lock (not available for Φ6) 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	

MXQ Series Slide Cylinder



MXQ 16x20

Ordering Code

MXQ	12	×	50	□	—	FR
Series Code MXQ: Air Slide Table	Cylinder Bore 6mm~25mm		Stroke 10mm~150mm	Body Option Blank: Standard L: Symmetric Type	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 for Φ6) BT: Absorber on retraction end(not available for Φ6) B: Absorber on both ends(not available for Φ6) 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 for Φ6) P: Axial piping type FR: With buffer and end lock(not available for Φ6) 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	

CRB2 Series Vane Rotary Actuators



CRB2BW30-270S

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			1.0	
Min.operating pressure			0.2		0.15		
Ambient and fluid temperature			5~60				
Rotation time adjustment range			0.03~0.3		0.04~0.3		0.07~0.5
Allowable kinetic energy	Single vane	With cushion	0.00015	0.00025	0.0001	0.015	0.03
		Without cushion		0.001	0.003	0.02	0.04
		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°					

MRHQ Series Rotary Gripper(Angular Type)



MRHQ16-180S

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			1.0
Operating Pressure Range (Mpa)	Claw	Rotating	0.25~0.7		0.25~1.0
		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)			
Permnission Kinetic Energy (J)		0.0046	0.014	0.034	0.074
Gripper Open Close Stroke (mm)		4	61	0	14