Guide Cylinders (Series MG)

Series Variations

Miniature Guide Rod Cylinder

Series MGJ

Guide rod integrated air cylinder

- Non-rotating accuracy: ±0.1°

Bore size (mm)	Standard stroke (mm)
	5 10 15 20
6	● ● ● ●
10	● ● ● ●

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Compact Guide Cylinder

Series MGP

Guide integrated air cylinder

- 4 standard mounting positions
- Piping from 2 directions is possible (Top piping, Side piping)

Series MGQ

Guide integrated compact type

- 2 kinds of bearing (Slide bearing, Ball bushing bearing)

Bore size (mm)	Standard stroke (mm)
	10 20 25 30 40 50 75 100 125 150 175 200 250 300 350 400
12, 16	○ ○ ○ ○ ○ ○ ● ● ● ● ● ● ● ● ● ●
20, 25	○ ○ ○ ○ ○ ○ ● ● ● ● ● ● ● ● ● ●
32, 40	○ ○ ○ ○ ○ ○ ● ● ● ● ● ● ● ● ● ●
50, 63	○ ○ ○ ○ ○ ○ ● ● ● ● ● ● ● ● ● ●
80, 100	○ ○ ○ ○ ○ ○ ● ● ● ● ● ● ● ● ● ●

○: Common stroke for MGQ and MGP ●: For MGP

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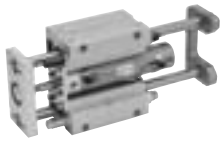
Guide Cylinder

Series MGG

Basic cylinder with integrated guide rods

- Long strokes available.
- Standard equipped with shock absorber



Bore size (mm)	Standard stroke (mm)		
	75 100 125 150 200 250 300	Series MGC	Series MGG
20	● ● ● ● ● ● ●	●	●
25	● ● ● ● ● ● ●	●	●
32	● ● ● ● ● ● ●	●	●
40	● ● ● ● ● ● ●	●	●
50	● ● ● ● ● ● ●	●	●
63, 80, 100	● ● ● ● ● ● ●	●	●

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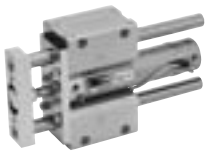
Series MGC

Compact type of series MGG

- Lightweight, space-saving



Long stroke

Bore size (mm)	Standard stroke (mm)		
	250 300 350 400 450 500 600 700 800 900 1000 1100 1200 1300	Series MGC	Series MGG
20	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●
25	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●
32	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●
40	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●
50	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●
63	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●
80	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●
100	● ● ● ● ● ● ● ● ● ● ● ● ● ●	●	●

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Guide Table

Series MGF

Compact guide table built-in non-rotating mechanism

- Mounting height greatly reduced.
- Suitable for carrier lifter and positioning

Bore size (mm)	Standard stroke (mm)
	30 50 75 100
40	● ● ● ●
63	● ● ● ●
100	● ● ● ●

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Double Power Cylinder

Series MGZ/MGZR

Doubles the output in the extending direction

- MGZ With non-rotating mechanism
- MGZR Without non-rotating mechanism

Bore size (mm)	Standard stroke (mm)	Long stroke (mm)
	75 100 125 150 175 200 250 300	
20, 25	● ● ● ● ● ● ● ●	350, 400, 450, 500 600, 700, 800
32, 40 50, 63, 80	● ● ● ● ● ● ● ●	350, 400, 450, 500 600, 700, 800, 900, 1000

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Cylinder with Turntable

Series MGT

Integrating compact guide cylinder (Series MGP) and manually operated turntable.

- Table unit has positioning mechanisms for each 90° and 180° of rotation.
- Suitable for assembly lines, inspection lines etc. with turning operations.

Bore size (mm)	Standard stroke (mm)
	25 50 75 100 125 150 175 200
63	● ● ● ● ● ● ● ●
80	● ● ● ● ● ● ● ●
100	● ● ● ● ● ● ● ●

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Guide Cylinders (Series CX)

Series Variations

Slide Unit

Series CX2

Double rod type (Basic, compact)

Can be used as a rod cylinder (fixing the housing) or a slide table (fixing the plate).

Model	Bore size (mm)		
	10	15	25
Slide bearing type CX2	●	●	●

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Slide Unit

Series CXW

Built-in shock absorber

Can be used as a rod cylinder (fixing the housing) or a slide table (fixing the plate).

Model	Bore size (mm)				
	10	16	20	25	32
Slide bearing type CXWM	●	●	●	●	●
Ball bushing bearing type CXWL	●	●	●	●	●

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Platform Cylinder

Series CXT

Integrating table with actuator

Model	Bore size (mm)					
	12	16	20	25	32	30
Slide bearing type CXTM	●	●	●	●	●	●
Ball bushing bearing type CXTL	●	●	●	●	●	●

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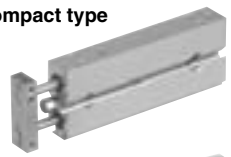
Dual Rod Cylinder

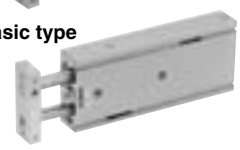
Series CXS

- **Non-rotating accuracy of ±0.1° with a guide and 2 rods.**
- **Doubles the thrust.**

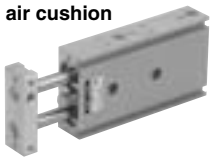
Compact type



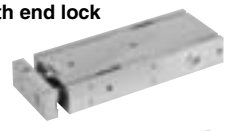
Basic type



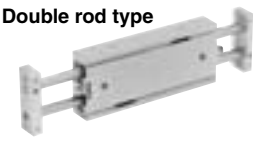
With air cushion



With end lock



Double rod type



Model	Bore size (mm)					
	6	10	15	20	25	32
Compact type CXSJ	●	●	●	●	●	●
Basic type CXS		●	●	●	●	●
With air cushion CXS		●	●	●	●	●
With end lock CXS		●	●	●	●	●
Double rod type CXSW		●	●	●	●	●

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