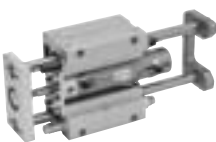
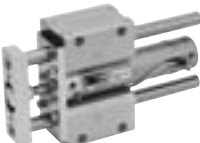


Guide Cylinders (Series MG)

Series Variations

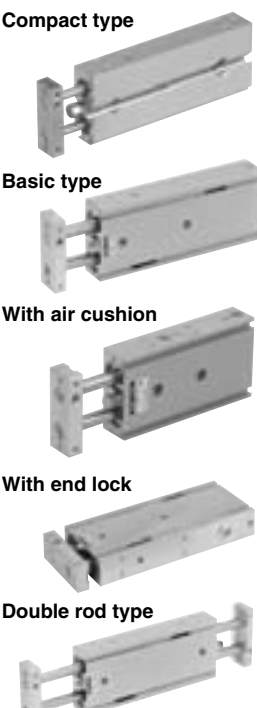
Miniature Guide Rod Cylinder	Series MGJ Guide rod integrated air cylinder • Non-rotating accuracy: ±0.1°		<table><tr><th>Bore size (mm)</th><th>Standard stroke (mm)</th></tr><tr><td>6</td><td>5 10 15 20</td></tr><tr><td>10</td><td></td></tr></table>	Bore size (mm)	Standard stroke (mm)	6	5 10 15 20	10		P.255												
	Bore size (mm)	Standard stroke (mm)																				
6	5 10 15 20																					
10																						
Compact Guide Cylinder	Series MGP Guide integrated air cylinder • 4 standard mounting positions • Piping from 2 directions is possible (Top piping, Side piping)		<table><tr><th>Bore size (mm)</th><th>Standard stroke (mm)</th></tr><tr><td>12, 16</td><td>10 20 25 30 40 50 75 100 125 150 175 200 250 300 350 400</td></tr><tr><td>20, 25</td><td></td></tr><tr><td>32, 40</td><td></td></tr><tr><td>50, 63</td><td></td></tr><tr><td>80, 100</td><td></td></tr></table> O: Common stroke for MGQ and MGP ●: For MGP	Bore size (mm)	Standard stroke (mm)	12, 16	10 20 25 30 40 50 75 100 125 150 175 200 250 300 350 400	20, 25		32, 40		50, 63		80, 100		P.263						
	Bore size (mm)	Standard stroke (mm)																				
12, 16	10 20 25 30 40 50 75 100 125 150 175 200 250 300 350 400																					
20, 25																						
32, 40																						
50, 63																						
80, 100																						
	Series MGQ Guide integrated compact type • 2 kinds of bearing (Slide bearing, Ball bushing bearing)			P.337																		
Guide Cylinder	Series MGG Basic cylinder with integrated guide rods • Long strokes available. • Standard equipped with shock absorber		<table><tr><th>Bore size (mm)</th><th>Standard stroke (mm)</th></tr><tr><td>20</td><td>75 100 125 150 200 250 300</td></tr><tr><td>25</td><td></td></tr><tr><td>32</td><td></td></tr><tr><td>40</td><td></td></tr><tr><td>50</td><td></td></tr><tr><td>63, 80, 100</td><td></td></tr></table> Series MGC Series MGG	Bore size (mm)	Standard stroke (mm)	20	75 100 125 150 200 250 300	25		32		40		50		63, 80, 100		P.353				
	Bore size (mm)	Standard stroke (mm)																				
20	75 100 125 150 200 250 300																					
25																						
32																						
40																						
50																						
63, 80, 100																						
	Series MGC Compact type of series MGG • Lightweight, space-saving		Long stroke <table><tr><th>Bore size (mm)</th><th>Standard stroke (mm)</th></tr><tr><td>20</td><td>250 300 350 400 450 500 600 700 800 900 1000 1100 1200 1300</td></tr><tr><td>25</td><td></td></tr><tr><td>32</td><td></td></tr><tr><td>40</td><td></td></tr><tr><td>50</td><td></td></tr><tr><td>63</td><td></td></tr><tr><td>80</td><td></td></tr><tr><td>100</td><td></td></tr></table> Series MGC Series MGG	Bore size (mm)	Standard stroke (mm)	20	250 300 350 400 450 500 600 700 800 900 1000 1100 1200 1300	25		32		40		50		63		80		100		P.391
Bore size (mm)	Standard stroke (mm)																					
20	250 300 350 400 450 500 600 700 800 900 1000 1100 1200 1300																					
25																						
32																						
40																						
50																						
63																						
80																						
100																						
Guide Table	Series MGF Compact guide table built-in non-rotating mechanism • Mounting height greatly reduced. • Suitable for carrier lifter and positioning		<table><tr><th>Bore size (mm)</th><th>Standard stroke (mm)</th></tr><tr><td>40</td><td>30 50 75 100</td></tr><tr><td>63</td><td></td></tr><tr><td>100</td><td></td></tr></table>	Bore size (mm)	Standard stroke (mm)	40	30 50 75 100	63		100		P.409										
Bore size (mm)	Standard stroke (mm)																					
40	30 50 75 100																					
63																						
100																						
Double Power Cylinder	Series MGZ/MGZR Doubles the output in the extending direction • MGZ With non-rotating mechanism • MGZR Without non-rotating mechanism		<table><tr><th>Bore size (mm)</th><th>Standard stroke (mm)</th><th>Long stroke (mm)</th></tr><tr><td>20, 25</td><td>75 100 125 150 175 200 250 300</td><td>350, 400, 450, 500 600, 700, 800</td></tr><tr><td>32, 40</td><td></td><td>350, 400, 450, 500 600, 700, 800, 900, 1000</td></tr><tr><td>50, 63, 80</td><td></td><td></td></tr></table>	Bore size (mm)	Standard stroke (mm)	Long stroke (mm)	20, 25	75 100 125 150 175 200 250 300	350, 400, 450, 500 600, 700, 800	32, 40		350, 400, 450, 500 600, 700, 800, 900, 1000	50, 63, 80			P.421						
Bore size (mm)	Standard stroke (mm)	Long stroke (mm)																				
20, 25	75 100 125 150 175 200 250 300	350, 400, 450, 500 600, 700, 800																				
32, 40		350, 400, 450, 500 600, 700, 800, 900, 1000																				
50, 63, 80																						
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.		<table><tr><th>Bore size (mm)</th><th>Standard stroke (mm)</th></tr><tr><td>63</td><td>25 50 75 100 125 150 175 200</td></tr><tr><td>80</td><td></td></tr><tr><td>100</td><td></td></tr></table>	Bore size (mm)	Standard stroke (mm)	63	25 50 75 100 125 150 175 200	80		100		P.449										
Bore size (mm)	Standard stroke (mm)																					
63	25 50 75 100 125 150 175 200																					
80																						
100																						

MGJ
MGP
MGQ
MGG
MGC
MGF
MGZ
MGT

D-□
-X□
Individual
-X□

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). 	<table><tr><th>Model</th><th colspan="3">Bore size (mm)</th></tr><tr><td>Slide bearing type CX2</td><td>10</td><td>15</td><td>25</td></tr></table>	Model	Bore size (mm)			Slide bearing type CX2	10	15	25	P.461																																		
Model	Bore size (mm)																																												
Slide bearing type CX2	10	15	25																																										
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). 	<table><tr><th>Model</th><th colspan="5">Bore size (mm)</th></tr><tr><td>Slide bearing type CXWM</td><td>10</td><td>16</td><td>20</td><td>25</td><td>32</td></tr><tr><td>Ball bushing bearing type CXWL</td><td></td><td></td><td></td><td></td><td></td></tr></table>	Model	Bore size (mm)					Slide bearing type CXWM	10	16	20	25	32	Ball bushing bearing type CXWL						P.461																								
Model	Bore size (mm)																																												
Slide bearing type CXWM	10	16	20	25	32																																								
Ball bushing bearing type CXWL																																													
Platform Cylinder	Series CXT Integrating table with actuator 	<table><tr><th>Model</th><th colspan="6">Bore size (mm)</th></tr><tr><td>Slide bearing type CXTM</td><td>12</td><td>16</td><td>20</td><td>25</td><td>32</td><td>30</td></tr><tr><td>Ball bushing bearing type CXTL</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Model	Bore size (mm)						Slide bearing type CXTM	12	16	20	25	32	30	Ball bushing bearing type CXTL							P.521																					
Model	Bore size (mm)																																												
Slide bearing type CXTM	12	16	20	25	32	30																																							
Ball bushing bearing type CXTL																																													
Dual Rod Cylinder	Series CXS • Non-rotating accuracy of $\pm 0.1^\circ$ with a guide and 2 rods. • Doubles the thrust. Compact type Basic type With air cushion With end lock Double rod type 	<table><tr><th>Model</th><th colspan="6">Bore size (mm)</th></tr><tr><td>Compact type CXSJ</td><td>6</td><td>10</td><td>15</td><td>20</td><td>25</td><td>32</td></tr><tr><td>Basic type CXS</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>With air cushion CXS</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>With end lock CXS</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Double rod type CXSW</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	Model	Bore size (mm)						Compact type CXSJ	6	10	15	20	25	32	Basic type CXS							With air cushion CXS							With end lock CXS							Double rod type CXSW							P.535
Model	Bore size (mm)																																												
Compact type CXSJ	6	10	15	20	25	32																																							
Basic type CXS																																													
With air cushion CXS																																													
With end lock CXS																																													
Double rod type CXSW																																													

CX2

CXW

CXT

CXSJ

CXS

D-□

-X□

Individual
-X□