




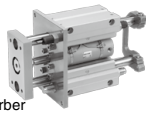
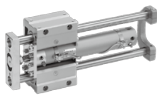

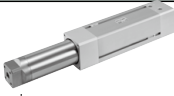



Guide Cylinders (Series MG)

Series Variations

Miniature Guide Rod Cylinder	<p>Series MGJ Guide rod integrated air cylinder</p> <ul style="list-style-type: none"> ● Non-rotating accuracy: $\pm 0.1^\circ$ 	<p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>6</td> <td>5</td> <td>10</td> <td>15</td> <td>20</td> </tr> <tr> <td>10</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	6	5	10	15	20	10					P.301																																																																																																													
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Compact Guide Cylinder	<p>Series MGP-Z Guide integrated</p> <ul style="list-style-type: none"> ● Weight reduced, guide rod shortened 	<p>MGP-Z/MGP/MGQ</p> <p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>12, 16</td> <td>10</td> <td>20</td> <td>25</td> <td>30</td> <td>40</td> <td>50</td> <td>75</td> <td>100</td> <td>125</td> <td>150</td> <td>175</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </tr> <tr> <td>20, 25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>32, 40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50, 63</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>80, 100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>○: Common stroke for MGQ and MGP ●: For MGP</p>	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.309																																		
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<p>Series MGP Guide integrated air cylinder</p> <ul style="list-style-type: none"> ● 4 standard mounting positions ● Piping from 2 directions is possible (Top piping, Side piping) 	<p>MGPW</p> <p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>20, 25</td> <td>10</td> <td>20</td> <td>25</td> <td>30</td> <td>40</td> <td>50</td> <td>75</td> <td>100</td> <td>125</td> <td>150</td> <td>175</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </tr> <tr> <td>32, 40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50, 63</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	20, 25	10	20	25	30	40	50	75	100	125	150	175	200	250	300	350	400	32, 40																	50, 63																	P.337																																																																					
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<p>Series MGPW Guide integrated wide type</p> <ul style="list-style-type: none"> ● Doubling the guide pitch 	<p>MGPW</p> <p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>20, 25</td> <td>10</td> <td>20</td> <td>25</td> <td>30</td> <td>40</td> <td>50</td> <td>75</td> <td>100</td> <td>125</td> <td>150</td> <td>175</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </tr> <tr> <td>32, 40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50, 63</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	20, 25	10	20	25	30	40	50	75	100	125	150	175	200	250	300	350	400	32, 40																	50, 63																	P.409																																																																					
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<p>Series MGQ Guide integrated compact type</p> <ul style="list-style-type: none"> ● 2 kinds of bearing (Slide bearing, Ball bushing bearing) 	<p>MGPW</p> <p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>20, 25</td> <td>10</td> <td>20</td> <td>25</td> <td>30</td> <td>40</td> <td>50</td> <td>75</td> <td>100</td> <td>125</td> <td>150</td> <td>175</td> <td>200</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> </tr> <tr> <td>32, 40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50, 63</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	20, 25	10	20	25	30	40	50	75	100	125	150	175	200	250	300	350	400	32, 40																	50, 63																	P.433																																																																					
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Guide Cylinder	<p>Series MGG Basic cylinder with integrated guide rods</p> <ul style="list-style-type: none"> ● Long strokes available. ● Standard equipped with shock absorber 	<p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>20</td> <td>75</td> <td>100</td> <td>125</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> <td></td> <td></td> </tr> <tr> <td>25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Series MGC</td> <td>Series MGG</td> </tr> <tr> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>63, 80, 100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	20	75	100	125	150	200	250	300			25								Series MGC	Series MGG	32										40										50										63, 80, 100										P.451																																																											
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<p>Series MGC Compact type of series MGG</p> <ul style="list-style-type: none"> ● Lightweight, space-saving 	<p>Long stroke</p> <p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>20</td> <td>250</td> <td>300</td> <td>350</td> <td>400</td> <td>450</td> <td>500</td> <td>600</td> <td>700</td> <td>800</td> <td>900</td> <td>1000</td> <td>1100</td> <td>1200</td> <td>1300</td> </tr> <tr> <td>25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>63</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	20	250	300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	25															32															40															50															63															80															100															P.493
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Guide Table	<p>Series MGF Compact guide table built-in non-rotating mechanism</p> <ul style="list-style-type: none"> ● Mounting height greatly reduced. ● Suitable for carrier lifter and positioning 	<p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>40</td> <td>30</td> <td>50</td> <td>75</td> <td>100</td> </tr> <tr> <td>63</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>100</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	40	30	50	75	100	63					100					P.511																																																																																																								
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Double Power Cylinder	<p>Series MGZ/MGZR Doubles the output in the extending direction</p> <ul style="list-style-type: none"> ● MGZ With non-rotating mechanism ● MGZR Without non-rotating mechanism 	<p>Bore size (mm) Standard stroke (mm) Long stroke (mm)</p> <table border="1"> <tr> <td>20, 25</td> <td>75</td> <td>100</td> <td>125</td> <td>150</td> <td>175</td> <td>200</td> <td>250</td> <td>300</td> <td>350, 400, 450, 500</td> </tr> <tr> <td>32, 40</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>600, 700, 800</td> </tr> <tr> <td>50, 63, 80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>350, 400, 450, 500</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>600, 700, 800, 900, 1000</td> </tr> </table>	20, 25	75	100	125	150	175	200	250	300	350, 400, 450, 500	32, 40									600, 700, 800	50, 63, 80									350, 400, 450, 500										600, 700, 800, 900, 1000	P.523																																																																															
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Cylinder with Turntable	<p>Series MGT Integrating compact guide cylinder (Series MGP) and manually operated turntable.</p> <ul style="list-style-type: none"> ● Table unit has positioning mechanisms for each 90° and 180° of rotation. ● Suitable for assembly lines, inspection lines etc. with turning operations. 	<p>Bore size (mm) Standard stroke (mm)</p> <table border="1"> <tr> <td>63</td> <td>25</td> <td>50</td> <td>75</td> <td>100</td> <td>125</td> <td>150</td> <td>175</td> <td>200</td> </tr> <tr> <td>80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	63	25	50	75	100	125	150	175	200	80									100									P.551																																																																																												
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