Compact Guide Cylinder

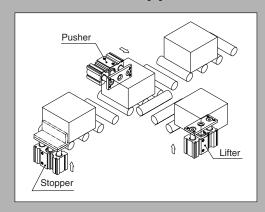
Series MGQ

Ø12, Ø16, Ø20, Ø25, Ø32, Ø40, Ø50, Ø63, Ø80, Ø100

Air cylinder with guide integrated that has achieved anti-lateral load and high non-rotating accuracy.

Space-saving cylinder.

Suitable as stoppers or lifters in conveyor line.



Cylinder position can be detected.

All models have built-in magnets for auto switches.



多SMC

Two types of guide rod bearing for different applications

Slide bearing

Slide bearing Strength against side load is more than 2 times as compared conventional stopper cylinder (Compared to SMC Series RSQ, round bar type).

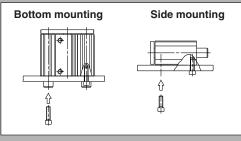
Ball bushing bearing

Smooth operation is suitable for pushing, lifter and applications where high precision is required.

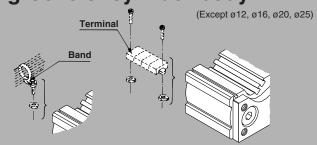
Non-rotating accuracy

Bore size	Non-rotating accuracy θ						
(mm)	MGQM	MGQL					
12 16	±0.08°	±0.10°					
20 25	±0.07°	±0.09°					
32 40	±0.06°	±0.08°					
50 63	±0.05°	±0.06°					
80 100	±0.04	±0.05°					

Can be mounted from two directions



Auto switches, lead wires and terminals can be fixed in the groove of cylinder body.





MGJ

MGP

MGQ

MGG

MGC

MGF

MGZ

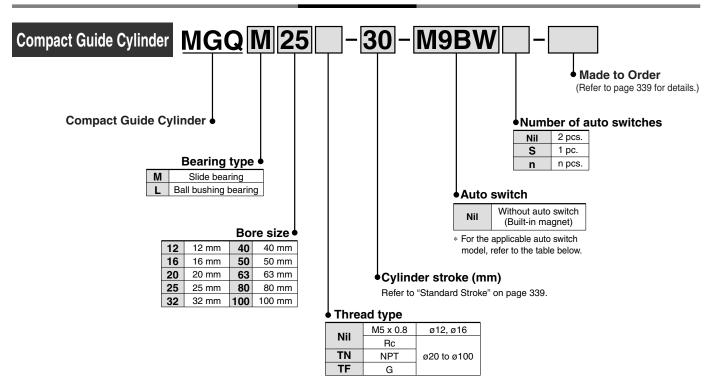
MGT

Individual -X□

Compact Guide Cylinder Series MGQ

ø12, ø16, ø20, ø25, ø32, ø40, ø50, ø63, ø80, ø100

How to Order



Applicable Auto Switch/Refer to pages 1719 to 1827 for further information on auto switches.

Туре	Special function Electrical entry	Flactwicel	ight		Load voltage		Auto switch model		Lead wire length (m)				Due mined			
		Indicator light	Wiring (Output)	D	C	AC	Perpendicular	In-line	0.5 (Nil)	1 (M)	3 (L)	5 (Z)	Pre-wired connector Applica		able load	
Solid state switch	_			3-wire (NPN)		5V, 12V		M9NV	M9N	•	•	•	0	0	IC	
				3-wire (PNP)				M9PV	M9P	•	•	•	0	0	circuit	Relay,
		Crammat		2-wire		12V		M9BV	M9B	•	•	•	0	0	_	
	Diagnostic indication (2-color indication)	Grommet	res	3-WIRE (INPIN)	5V. 12V	_	M9NWV	M9NW	•	•	•	0	0	IC	PLC	
				3-wire (PNP)		5V, 12V		M9PWV	M9PW	•		•	0	0	circuit	
				2-wire		12V		M9BWV	M9BW	•	•	•	0	0	_	
switch		— Grommet Ye	Yes	3-wire (NPN equivalent)	_	5V	_	A96V	A96	•	_	•	_	_	IC circuit	_
				0.41/	12V	100V	A93V	A93	•	_	•	_	_	_	Relay,	
Reed			No	2-wire	24V	120	100 V or less	A90V	A90	•	_	•	_	_	IC circuit	PLC
* Lea	* Lead wire length symbols: 0.5 m ········ Nil (Example) M9NW * Solid state auto switches marked with "O" are produced upon receipt of order.															

* Lead wire length symbols: 0.5 m Nil (Example) M9NW

1 m ······ M (Example) M9NWM 3 m ····· L (Example) M9NWL 3 m ······ L (Example) M9NWL 5 m ···· Z (Example) M9NWZ

* Since there are other applicable auto switches than listed, refer to page 351 for details.

* For details about auto switches with pre-wired connector, refer to pages 1784 and 1785.

* Auto switches are shipped together (not assembled).

