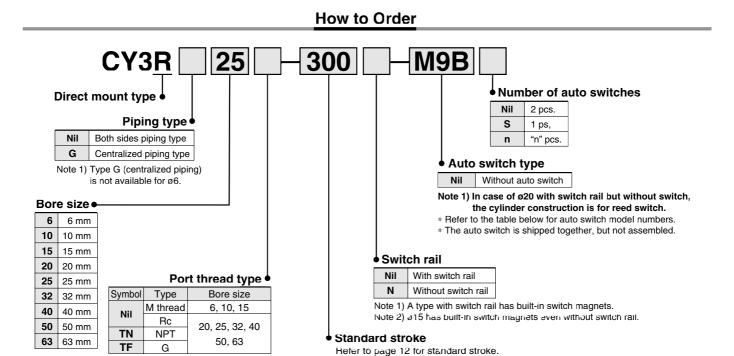
Magnetically Coupled Rodless Cylinder: Direct Mount Type

Series CY3R

ø6, ø10 ø15, ø20 ø25, ø32, ø40, ø50, ø63



Applicable Auto Switches/The applicable auto switch is determined by the bore size. Heter to pages 21 to 23 for further information on auto switches.

Туре	Special function	Electrical entry	Indicator light	Wiring (output)	Load voltage			Auto	Lead wire length (m)*					
						DC	AC	AC switch model		3 (L)	5 (Z)	Pre-wired connector	Applicable load	
itch		Grommet	No Yes	2-wire 24 V	24.14	5 V, 12 V	100 V or less	A90	•	•	_	_	IC circuit	Relay,
Reed switch	_				12 V	100 V	A93	•	•	_	_	_	PLC	
				3-wire (NPN equiv.)	-	5 V	_	A96	•	•	_	_	IC circuit	_
Solid state switch		— Grammat		3-wire (NPN)		5 V, 12 V		M9N	•	•	0	0	IC circuit	
				3-wire (PNP)				M9P	•	•	0	0	IO CIICUII	
			Grommet Yes	Yes	2-wire	04.1/	12 V			M9B	•	•	0	0
	Diagnostic indication (2-color display)				3-wire (NPN)	24 V	5 V 40 V		F9NW	•	•	0	0	IC circuit
				3-wire (PNP)		5 V, 12 V		F9PW	•	•	0	0	ic circuit	
					2-wire		12 V		F9BW	•	•	0	0	_

* Lead wire length symbols: 0.5 m......

** Solid state switches marked "O" are produced upon receipt of order

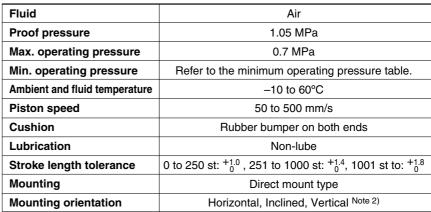
5 m... Z (Example) M9NZ

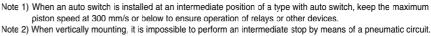
- For ø25, 32, 40, 50, and 63, other than the applicable auto switches listed in "How to Order" the other auto switches can be mounted. For detailed specifications, refer to page 18.
- With pre-wired connector is also available in solid state auto switches. For specifications, refer to "SMC Best Pneumatics" catalog vol. 8, page 8-30-52.



Magnetically Coupled Rodless Cylinder Direct Mount Type Series CY3R







Standard Stroke

Bore size (mm)	Standard stroke (mm)	Max. stroke without switch (mm)	Max. stroke with switch (mm)
6	50, 100, 150, 200	300	300
10	50, 100, 150, 200, 250, 300	500	500
15	50, 100, 150, 200, 250, 300, 350, 400, 450, 500	1000	750
20		1500	1000
25	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	1500	1200
32	300, 000, 700, 000		
40	400 450 000 050 000 050 400 450	2000	1500
50	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000	2000	1500
63	300, 300, 700, 500, 600, 7000		

Note) The longer the stroke, the larger the amount of deflection in a cylinder tube. Pay attention to the mounting bracket and clearance value.

Magnetic Holding Force

Bore size (mm)	6	10	15	20	25	32	40	50	63
Holding force (N)	19.6	53.9	137	231	363	588	922	1471	2256

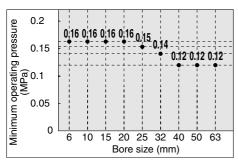
When calculating the actual thrust, design should **⚠** Caution consider the minimum actuating pressure.



Made to Order (Refer to page 24 for details.)

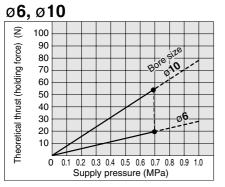
Symbol	Specifications
-X116	Hydro specifications
-X160	High speed specifications
-X322	Outside of cylinder tube with hard chrome plating
-X1468	Interchangeable specification with CY1□6
-XC57	With floating joint

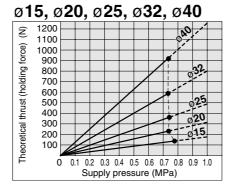
Minimum Operating Pressure

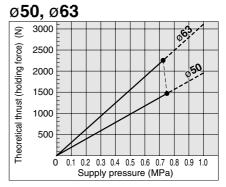


Note) Values show when the cylinder is operating

Theoretical Cylinder Thrust







Weight Unit: kg

Bore size	6	10	15	20	25	32	40	50	63	
Pagis weight (at 0 at)	With switch rail	0.086	0.111	0.272	0.421	0.622	1.217	1.98	3.54	5.38
Basic weight (at 0 st)	Without switch rail	0.069	0.08	0.225	0.351	0.542	1.097	1.82	3.25	5.03
Additional weight per 50 mm	With switch rail	0.016	0.034	0.040	0.051	0.056	0.076	0.093	0.159	0.188
of stroke	Without switch rail	0.004	0.014	0.015	0.020	0.023	0.033	0.040	0.077	0.096