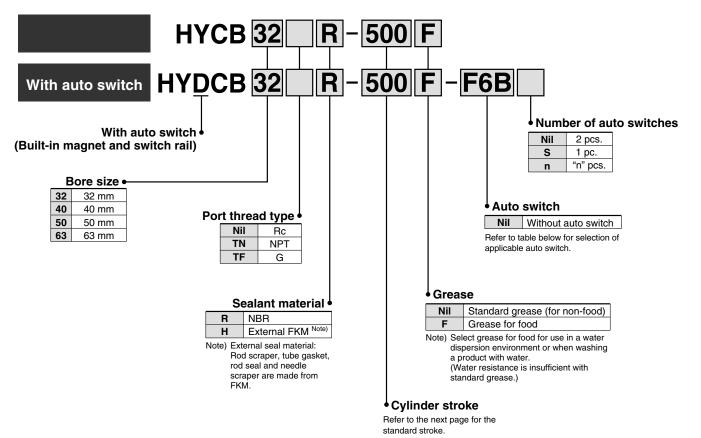
Hygienic Design Cylinder ISO Standard Type Series HYC Ø32, Ø40, Ø50, Ø63

How to Order



< Mounting bracket > Foot, flange, single clevis, double clevis, and clevis pin < Option parts > Plug bolt

Please place an order for above mentioned parts separately, please refer to pages 885 to 889 for details.

Built-in Magnet Cylinder Model

If a built-in magnet cylinder without an auto switch is required, there is no need to enter the symbol for the auto switch. (Example) HYDCB40R-300F

Applicable Auto Switches/Refer to page 1312 for detailed auto switch specifications.

							•					
	F	tor		Load voltage			Lead	wire length	n (m)*			
Туре	Electrical entry	Indicator light	Wiring (Output)	D	С	Auto switch model	0.5 (Nil)	3 (L)	5 (Z)	Pre-wired connector	Applica	ble load
0-11-1	Grommet	Yes	3-wire (NPN)		5 V	F6N	•	•	0	0		
Solid state switch			3-wire (PNP)	24 V	12 V	F6P	•	•	0	0	IC circuit	Relay, PLC
SWITCH			2-wire		12 V	F6B	•	•	0	0	_	

* Lead wire length symbols 0.5 m.....Nil (Example) F6B

3 m..... L (Example) F6BL 5 m..... Z (Example) F6BZ

• Refer to pages 1328 and 1329 for detailed specifications about the auto switch with pre-wired connector.

* Auto switch is shipped not assembled with the cylinder.

* Auto switches marked with a "O" symbol are produced upon receipt of orders.

D-□ -X□

CG5

 $\mathsf{HY}\square$

M□

Individual -X□ Technical





Specifications

Bore size (mm)	32	40	50	63				
Action	Double acting, Single rod							
Fluid		Д	ir					
Minimum operating pressure		0.15	MPa					
Maximum operating pressure	1.0 MPa							
Proof pressure	1.5 MPa							
Ambient and operating fluid	Without auto switch 0°C to 70°C							
temperature		;						
Lubrication	Not required							
Piston speed	50 to 500 mm/s (With pressure at 1.0 MPa) Note)							
Cushion	Air cushion							
Stroke length tolerance	250 mm ^{+1.0} mm or less, 251 to 600 mm ^{+1.4} mm							
Piston rod material	Stainless steel 304 / Hard chrome plated							

Note) Use a cylinder below the allowable kinetic energy. Refer to page 869 for the allowable kinetic energy.

Standard Stroke

Bore size (mm)	Standard stroke (mm)
32	25, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500
40	25, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500
50	25, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 600
63	25, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 600

 $[\]ast$ Intermediate strokes of 1 mm each can be produced. (The spacer is not used.)

Mass

Without auto switch Unit: kg												
Bore size				Stroke (mm)								
(mm)	25	50	75	100	125	150	200	250	300	400	500	600
32	0.89	1.02	1.14	1.26	1.38	1.50	1.75	1.99	2.23	2.72	3.21	_
40	1.30	1.46	1.62	1.79	1.95	2.11	2.44	2.77	3.09	3.75	4.40	_
50	2.03	2.26	2.50	2.73	2.96	3.20	3.66	4.13	4.59	5.52	6.45	7.38
63	2.95	3.25	3.54	3.84	4.13	4.43	5.02	5.61	6.21	7.39	8.57	9.76

With auto switch (Built-in magnet and switch rail) Unit:												Jnit: kg
Bore size						Stroke	(mm)					
(mm)	25	50	75	100	125	150	200	250	300	400	500	600
32	0.93	1.06	1.19	1.32	1.44	1.57	1.83	2.09	2.34	2.86	3.37	
40	1.34	1.51	1.68	1.85	2.02	2.19	2.53	2.87	3.21	3.89	4.57	
50	2.07	2.31	2.55	2.79	3.03	3.27	3.75	4.23	4.71	5.66	6.62	7.58
63	3.00	3.30	3.60	3.91	4.21	4.51	5.12	5.72	6.33	7.54	8.75	9.96

Theoretical Output

Unit: I										
Bore size	Operating	Operatir	ng pressu	re (MPa)						
(mm)	direction	0.3	0.5	0.7						
32	IN	IN 207 346		484						
32	OUT	241	402	563						
40	IN	318	530	742						
40	OUT	378	630	882						
50	IN	495	825	1160						
50	OUT	588	980	1370						
63	IN	840	1400	1960						
03	OUT	936	1560	2180						

