

EXS Series Double Shaft Cylinder



EXS

Double Shaft Cylinder



Specifications

Bore(mm)	6	10	16	20	25	32
Acting type	Double acting					
Working Medium	Clean Air(after 40 μ m filtration)					
Working Pressure (MPa)	0.1~1.0					
Guaranteed Pressure (MPa)	1.5					
Working Temperature (°C)	-20~80(No freezing)					
Speed range (mm/s)	30~500					
Cushion type	Rubber cushion					
Stroke tolerance(mm)	+1.0 0					
Adjustable stroke(mm)	-5~0					
No-rotating precision	±0.2°	±0.15°				±0.1°
Port Size	M5 x 0.8				G1/8 ①	

① PT, NPT port size is optional.

How to Order?

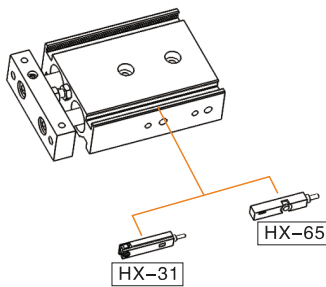
Series No	Type No	Bore X	Stroke	Magnet No	Thread Type
EXS	M: Slide bearing	6	25	S : With magnet	Blank: G P : PT T : NPT
		10	50		
		12	75		
		16	...		
		20			
		...			

Order Example:

EXS series, Slide Bearing type, Bore 6mm, stroke 30mm ERP code is: EXSM6X30-S

Note: The cylinder's bore and stroke, mounting accessories details according to drawings.

Optional Accessories

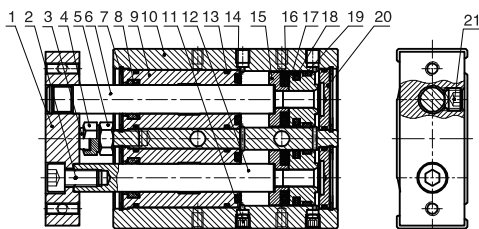


Stroke

Bore (mm)	Standard Stroke (mm)	Max. Stroke (mm)
6	10 20 30 40 50	50
10	10 20 25 30 40 50 60 70 75 80 90 100	100
16~32	10 20 25 30 40 50 60 70 75 80 90 100 125 150 175 200	200

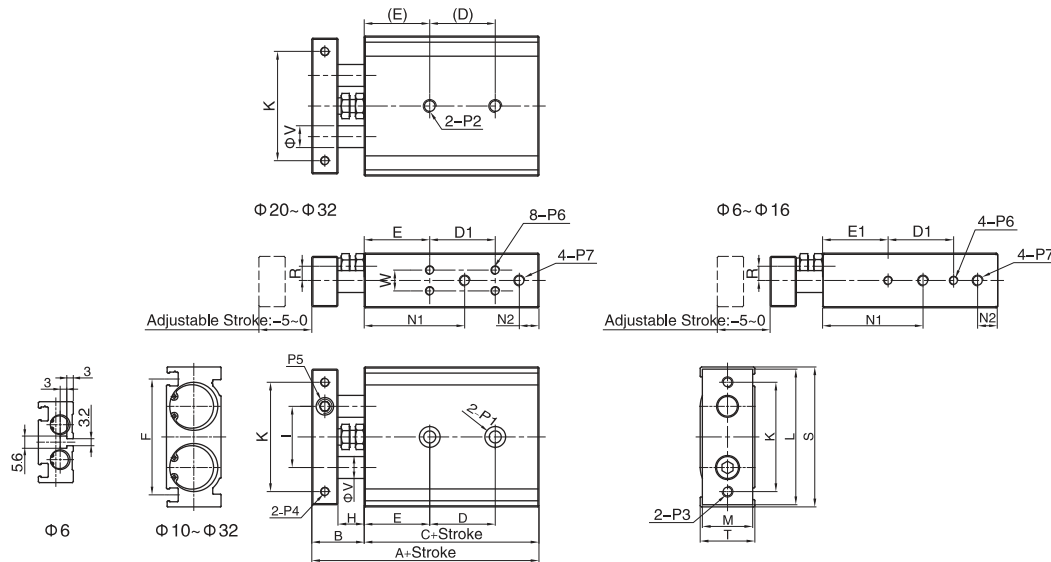
Note: The dimensions of non-std stroke cylinder has the same dimensions as the next longer stroke std. stroke cylinder.
e.g. 27mm stroke cylinder has the same dimensions of 30 std. stroke cylinder.

Internal Structure



No.	Part Name	Material
1	Fixing plate	Aluminum alloy
2	Nut	Carbon steel
3	Bumper	POM
4	Adjustable nut	Carbon steel
5	Screw	Carbon steel
6	Piston rod	S45C hard chrome carbon steel
7	C clip	Spring steel
8	Wiper seal	NBR
9	Head cover	Aluminum alloy
10	Body	Aluminum alloy
11	Hex fix screw	Cu
12	Piston rod	S45C hard chrome carbon steel
13	O-ring	NBR
14	Anti-bump cushion	TPU
15	Magnet holder	Aluminum alloy
16	Magnet	Plastic
17	Piston	Aluminum alloy
18	Piston seal	NBR
19	Wear ring	PTFE
20	Rear cover	Aluminum alloy
21	Hex fix screw	Cu

Main Dimension



(mm)

Bore/Sign	A	B	C	D D1								E	E1	F	H	I	K	L	M	N1	N2	R
				10-25	30-50	60-80	90-100	125	150	175	200											
6	58.5	13.5	45	$D = 10 + \text{Stroke}/2$	-	-	-	-	-	-	-	13	10	25.8	8	16	28	35	14	24.5	6.5	4.5
10	72	17	55	$D = 10 + \text{Stroke}/2$	30	40	50	60	-	-	-	20	20	36.5	9	20	35	44	15	30	8	3.5
16	79	19	60	$D = 10 + \text{Stroke}/2$	25	35	45	55	65	75	145	30	30	47.5	9	25	45	56	18	38	8	5
20	94	24	70	$D = 10 + \text{Stroke}/2$	30	40	60	60	80	80	100	30	-	53	12	28	50	62	23	46	9	6.5
25	96	24	72	$D = 10 + \text{Stroke}/2$	30	40	60	60	80	80	100	30	-	64	12	35	60	78	28	43	9	9
32	112	30	82	$D = 10 + \text{Stroke}/2$	40	50	70	70	90	90	110	30	-	76	14	44	75	96	36	53	10	11.5

Bore/Sign	S	T	V	W	P1	P2	P3	P4	P5	P6	P7
6	37	16	4	-	Φ 6.5 Dp:3.3; Thru.hole: Φ 3.4	-	M3X0.5	M3X0.5	M3X0.5	M3X0.5 Dp:4.5	M5X0.8
10	46	17	6	-	Φ 6.5 Dp:3.3; Thru.hole: Φ 3.4	M4X0.7 Dp:7	M4X0.7	M3X0.5	M5X0.8	M3X0.5 Dp:5	M5X0.8
16	58	20	8	-	Φ 8 Dp:4.4; Thru.hole: Φ 4.3	M5X0.8 Dp:8	M5X0.8	M4X0.7	M6X1.0	M4X0.7 Dp:5	M5X0.8
20	64	25	10	9.5	Φ 9.5 Dp:5.3; Thru.hole: Φ 5.2	M6X1.0 Dp:10	M5X0.8	M4X0.7 Dp:6	M8X1.25	M4X0.7 Dp:5.5	M5X0.8
25	80	30	12	13	Φ 11 Dp:6.3; Thru.hole: Φ 6.8	M8X1.25 Dp:12	M6X1.0	M5X0.8 Dp:7.5	M8X1.25	M5X0.8 Dp:7	1/8"
32	98	38	16	20	Φ 11 Dp:6.3; Thru.hole: Φ 6.8	M8X1.25 Dp:12	M6X1.0	M5X0.8 Dp:8	M10X1.5	M5X0.8 Dp:7	1/8"