

EG Series Repairable Cylinder



EG

Mini Type Cylinder



Specifications

Bore Size(mm)	20	25	32	40	50	63	
Acting type	Double Acting						
Working medium	Clean air(40 μ m filtration)						
Pressure range(MPa)	0.1~1.0MPa(15~145psi)(1.0~10.0bar)						
Garanteed pressure(MPa)	1.5MPa(215psi)(15bar)						
Working temperature(°C)	-20~80(No freezing)						
Speed range(mm/s)	50~1000						
Stroke range	+1.4 0						
Cushion type	Rubber cushion(Standard)/Air cushion						
Port size	M5		G1/8"		G1/4"		
Kinetic energy J	Male thread on piston rod	0.28	0.41	0.66	1.20	2.00	3.40
	Female thread on piston rod	0.11	0.18	0.29	0.52	0.91	1.54

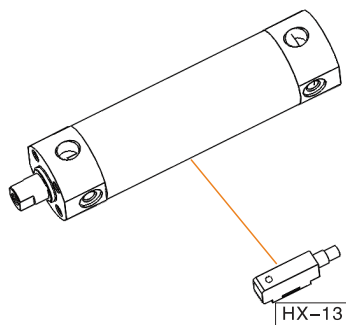
How to Order?

Series No	Type No	Bore	X Stroke	Magnet No	Piston Rod Thread Type	Thread Type
EG	Blank: Basic type D: Double shaft type C: Air cushion type	20 25 32 40 50 63	25 50 75 100 ...	Blank: No magnet S: With magnet	M: Male thread	Blank: G P: PT T: NPT

Order Example:

EG Series basic type cylinder, 25mm bore, 50mm stroke, with magnet, male thread on piston rod, G thread.
ERP code is: EG25X50-S-M

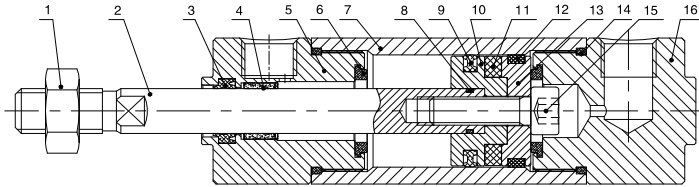
Optional Accessories



Stroke

	Bore (mm)	Standard Stroke (mm)	Max. Stroke (mm)
	Double Acting	20	25 50 75 100 125 150 175 200
25		25 50 75 100 125 150 175 200 250 300	301~1200
32		25 50 75 100 125 150 175 200 250 300	301~1500
40		25 50 75 100 125 150 175 200 250 300	301~1500
50		25 50 75 100 125 150 175 200 250 300	301~1500
63		25 50 75 100 125 150 175 200 250 300	301~1500

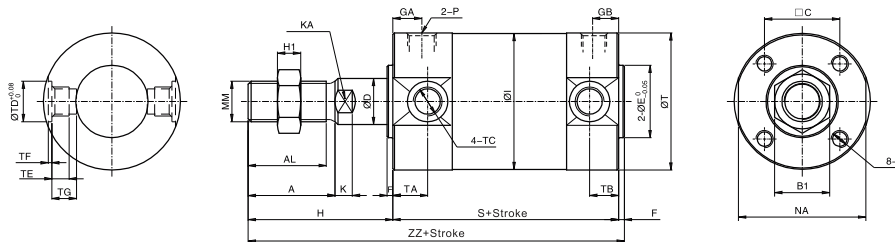
Internal Structure



No.	Part Name	Material
1	Nut	Carbon steel(Nickel plating)
2	Piston rod	Stainless steel(EG20、25)
		Carbon steel(EG32、40、50、63)
3	Piston rod seal	TPU
4	Self-lubricating bearing	Compound material
5	Head cover	Aluminum alloy
6	Anti-bump cushion	TPU
7	Barrel	Aluminum alloy
8	O-ring	NBR
9	Piston seal	NBR(Japanese brand)
10	Piston	Aluminum alloy
11	Magnet	RbFeB(EG20、25)
		Plastic(EG32、40、50、63)
12	Wear ring	PTFE
13	Magnet base	Aluminum alloy
14	O-ring	NBR
15	Hex cylinder head screw	Carbon steel(Black)
16	Rear cover	Aluminum alloy

Main Dimension

EG

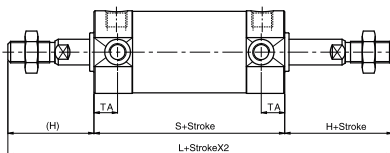


Bore	Standard Stroke Range	Long Stroke Range	A	AL	B1	C	D	E	F	H	I	J	K	KA	MM	NA
20	≤200	201~1200	18	15.5	12	14	8	12	2	35	26	M4X0.7depth7	5.5	6	M8X1.25	24
25	≤300	301~1200	22	19.5	17	16.5	10	14	2	40	31	M5X0.8depth7.5	6	8	M10X1.25	29
32	≤300	301~1500	22	19.5	17	20	12	18	2	40	38	M5X0.8depth8	6	10	M10X1.25	35.5
40	≤300	301~1500	30	27	19	26	16	25	2	50	47	M6X1.0depth12	6.5	14	M14X1.5	44
50	≤300	301~1500	35	32	27	32	20	30	2	58	58	M8X1.25depth16	7.5	18	M18X1.5	55
63	≤300	301~1500	35	32	27	38	20	32	2	58	72	M10X1.5depth16	7.5	18	M18X1.5	69
Bore	Standard Stroke Range	Long Stroke Range	P	S	GA	GB	T	H1	TA	TB	ZZ	TD	TF	TE	TG	TC
20	≤200	201~1200	M5X0.8	69(77)	13.5	13.5	26.5	6	11	11	106(114)	8	0.5	4	5.5	M5X0.8
25	≤300	301~1200	1/8"	69(77)	10	10	31.5	6	11	11	111(119)	10	1	5	6.5	M6X0.75
32	≤300	301~1500	1/8"	71(79)	10.5	9.5	38.5	6	11	10	113(121)	12	1	5.5	7.5	M8X1.0
40	≤300	301~1500	1/8"	78(87)	11.5	10	47.5	8	12	10	130(139)	14	1.25	6	8.5	M10X1.25
50	≤300	301~1500	1/4"	90(102)	13	13	58.5	11	13	12	150(162)	16	2	7.5	10	M12X1.25
63	≤300	301~1500	1/4"	90(102)	14	12	72.5	11	13	12	150(162)	18	3	11.5	14.5	M14X1.5

Note:1、 With magnet and without magnet,the dimensions are same.
 2、 Within the "()" size is the size of long stroke;
 3、 G、 PT、 NPT port size is optional.

Dimension of Double Shaft

EGD



Bore/Sign	S	H	L	TA
20	77	35	147	11
25	77	40	157	11
32	79	40	159	11
40	87	50	187	12
50	102	58	218	13
63	102	58	218	13

(mm)