

### 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	20 50 75 100 ...	Blank : No magnet S : With magnet	Blank : Female thread M : Male thread N : No 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

### Specifications

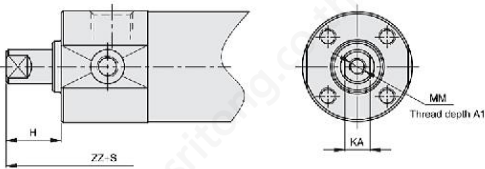
Bore Size(mm)	20	25	32	40	50	63	
Acting type	Double Acting						
Working medium	Clean air(40 μm filtration)						
Pressure range(MPa)	0.1~1.0						
Garanteed pressure(MPa)	1.5						
Working temperature(°C)	-20~80(No freezing)						
Speed range(mm/s)	50~1000						
Stroke range	+1.4 0						
Cushion type	Rubber cushion(Standard)/Air cushion (Optional,Currently developed only 63mm bore)						
Port size	M5	G1/8 <sup>①</sup>			G1/4 <sup>①</sup>		
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

① NPT, PT port size is optional.

### Stroke

Bore(mm)	Standard Stroke (mm)											Long Stroke (mm)		
Double acting	20	25	50	75	100	125	150	200					201~1200	
	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

## Dimension of Female Thread

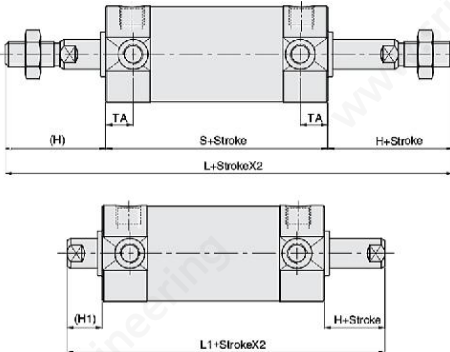


Bore/Sign	A1	H	MM	ZZ	KA
20	8	13	M4X0.7	84(92)	6
25	8	14	M5X0.8	95(93)	8
32	12	14	M6X1.0	87(95)	10
40	13	15	M8X1.25	95(104)	14
50	18	16	M10X1.5	108(120)	18
63	18	16	M10X1.5	108(120)	18

Note: 1、 This figure is dimension of female thread ;  
 2、 Other dimensions are same as male thread.

## Dimension of Double Shaft

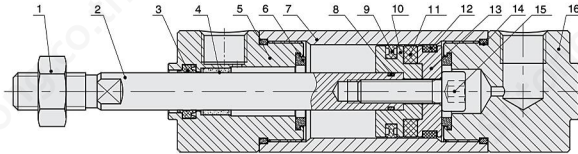
EGD



Bore/Sign	S	H	H1	L	L1	TA
20	77	35	13	147	103	11
25	77	40	14	157	105	11
32	79	40	14	159	107	11
40	87	50	15	187	117	12
50	102	58	16	218	134	13
63	102	58	16	218	134	13

Note: Unlabeled the same size as standard type.

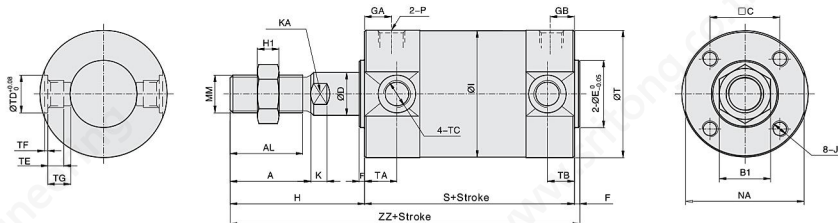
Internal Structure



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

Main Dimensions

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	HI	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.