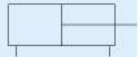


Compact Cylinder

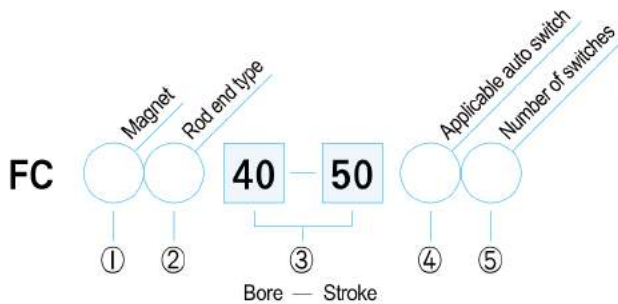
(Series FC)

Bore size ϕ 10~ ϕ 100

KS Symbol



How to order



① Magnet

Blank	Built-in magnet(standard)
N	None

② Rod end type

Blank	Female screw(standard)
M	Male screw

③ Bore size — Standard stroke (mm)

ϕ 10	5, 10, 15, 20, 25, 30
ϕ 16	
ϕ 20	5, 10, 15, 20, 25, 30
ϕ 25	35, 40, 45, 50
ϕ 32	5, 10, 15, 20, 25, 30
ϕ 40	35, 40, 45, 50, 75, 100
ϕ 50	10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
ϕ 63	
ϕ 80	
ϕ 100	

④ Applicable auto switch

Blank	None
A20	A - 20 type(with indicator lamp)
A25	A - 25 type(without indicator lamp)

⑤ Number of switches

1	1 pc
2	2 pcs
n	n pcs

- Built-in magnet (standard)
- Great versatility of auto switch positioning
- No lubrication required

Specifications

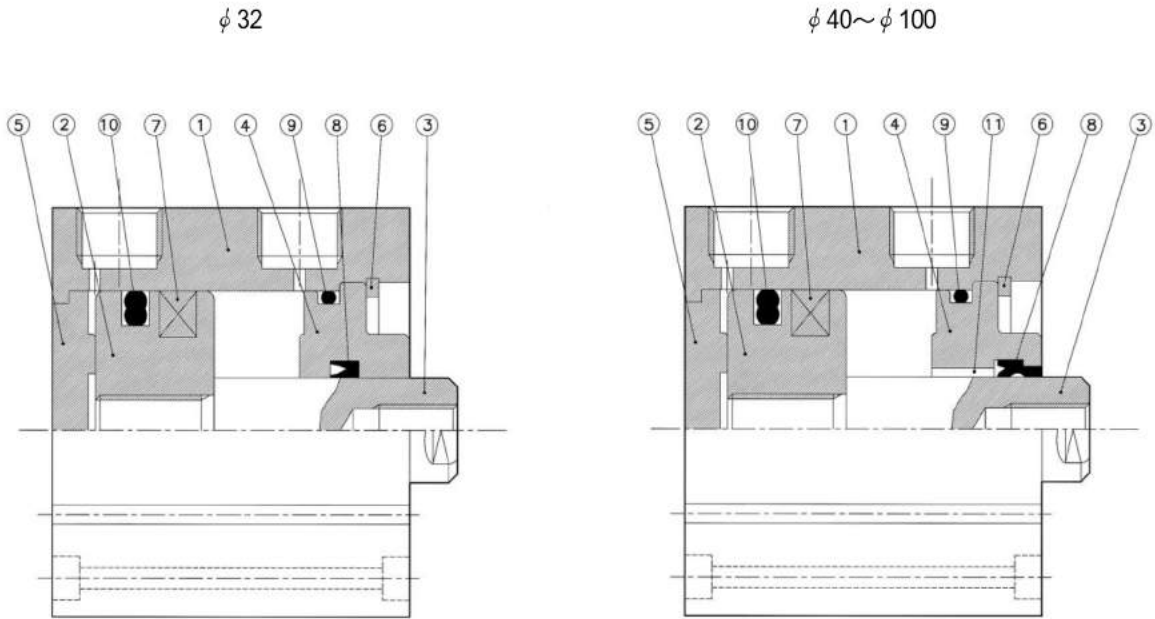
Acting	Double acting single rod
Fluid	Air
Proof pressure	10.5 kgf/cm ² (1050kPa)
Max. operating pressure	7.0 kgf/cm ² (700kPa)
Min. operating pressure	0.5 kgf/cm ² (50kPa)
Ambient and fluid temperature	-10℃ ~ +70℃
Cushion	None
Lube	None(None-lube)
Piston speed	50~500 mm/s
Thread tolerance	KS 2 class
Stroke tolerance	+1.0 0

Weight table

(Female screw standard) (gf)

Bore size(mm)	Basic weight	Additional weight for each 5 of stroke
10	30	7
16	42	8
20	67	11
25	98	14
32	143	17
40	238	23
50	394	34
63	673	45
80	1235	68
100	2090	90

Construction



Parts List

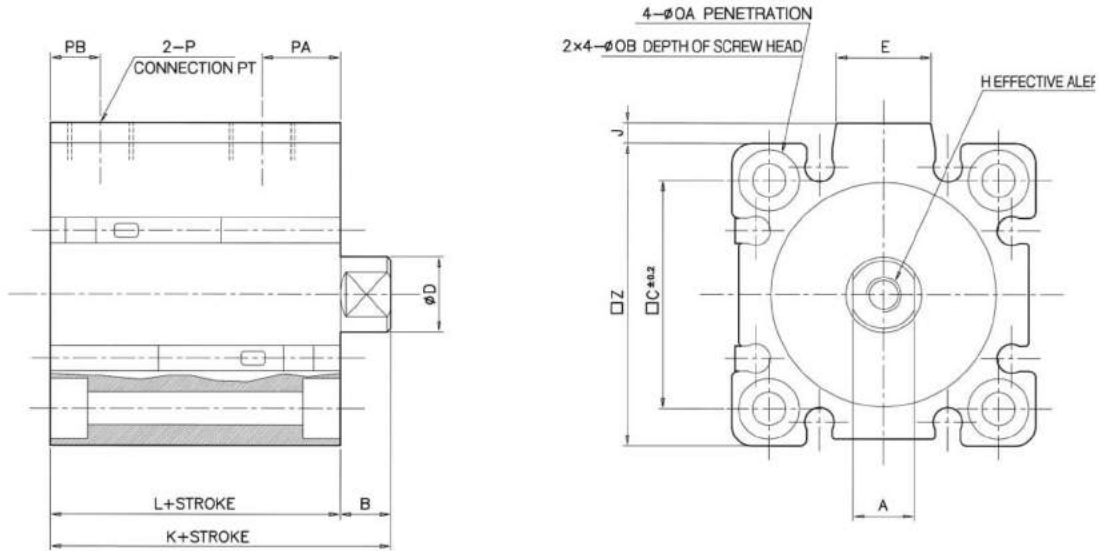
No.	Description	Material	Note
①	Body	A ℓ	
②	Piston	A ℓ	
③	Piston Rod	SM45C	
④	Rod Cover	A ℓ	
⑤	End Cover	A ℓ	
⑥	C Ring	-	
⑦	Magnet	-	
⑧	Rod Packing	NBR	
⑨	O Ring	NBR	
⑩	Piston Packing	NBR	
⑪	Bush	-	Use more than $\phi 50$

Packing List

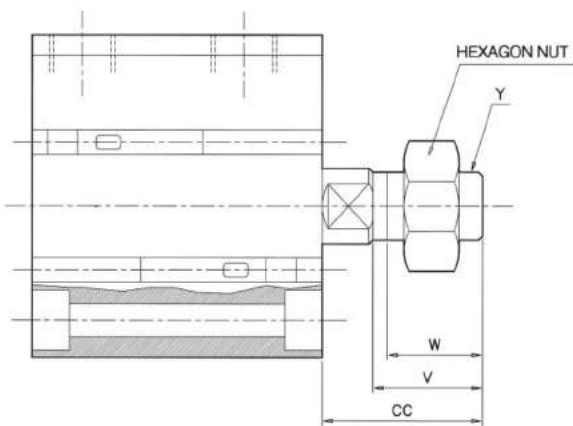
Description	Material	Bore size					
		$\phi 32$	$\phi 40$	$\phi 50$	$\phi 63$	$\phi 80$	$\phi 100$
⑧ Rod Packing	NBR	DYR - 12	DRP - 16	DRP - 20	DRP - 20	DRP - 25	DRP - 30
⑨ O Ring	NBR	S - 29	S - 36	S - 46	S - 60	S - 75	S - 95
⑩ Piston Packing	NBR	COP - 32	COP - 40	COP - 50	COP - 63	COP - 80	COP - 100

Compact Cylinder $\phi 32 \sim \phi 100$

$\phi 32 \sim \phi 100$



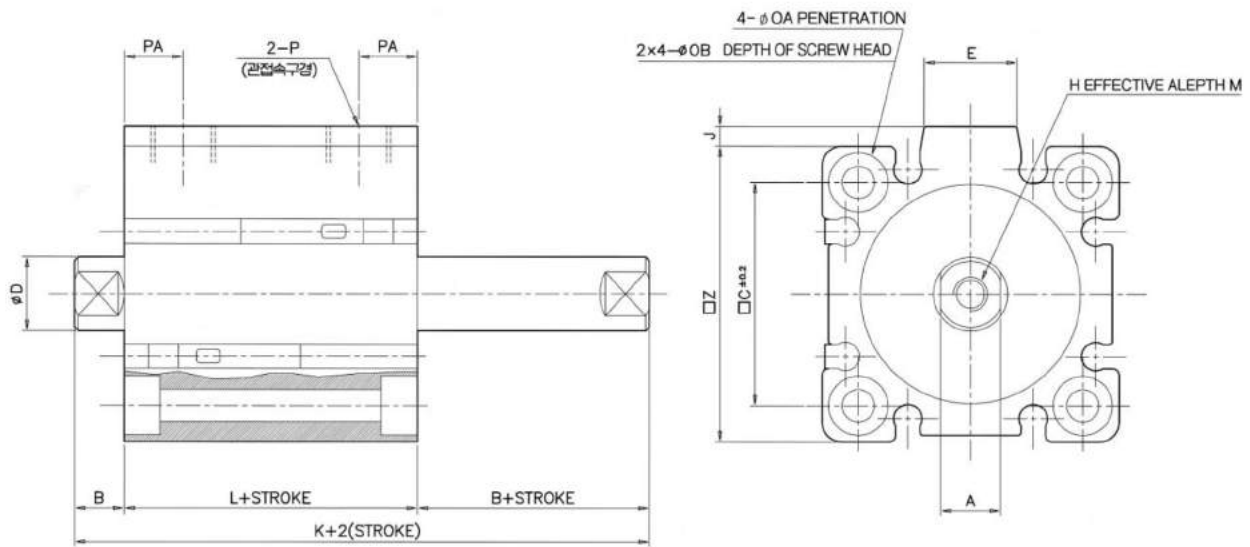
Rod End Male Screw



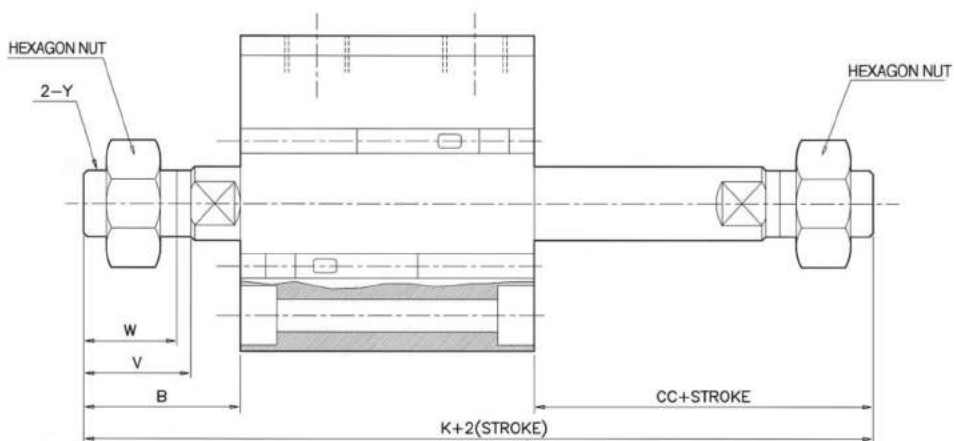
Bore size	CC	W	V	Y
$\phi 32$	23.5	15	17.5	M10 \times 1.25
$\phi 40$	31	20.5	23.5	M14 \times 1.5
$\phi 50$	37.5	26	28.5	M18 \times 1.5
$\phi 63$	37.5	26	28.5	M18 \times 1.5
$\phi 80$	48	32.5	35.5	M22 \times 1.5
$\phi 100$	49.5	32.5	35.5	M26 \times 1.5

Bore size	A	B	\square C	D	E	H	J	K	L	M	ϕ OA	ϕ OB	2-PT	PA	PB	RB	\square Z
$\phi 32$	10	6	34	12	14	M6 \times 1	3	39	33	12	5.5	9	1/8	13	7.5	5.5	45
$\phi 40$	14	7.5	40	16	15	M8 \times 1.25	5	46	38.5	13	5.5	9	1/8	14	8	5.5	52
$\phi 50$	17	9	50	20	20	M10 \times 1.5	7	49	40	15	7	11	1/4	13.5	10.5	6.5	64
$\phi 63$	17	9	60	20	22	M10 \times 1.5	7	57	48	15	9	14	1/4	17.5	12	9	77
$\phi 80$	22	12.5	77	25	26	M16 \times 2	6	68.5	56	21	11	17.5	3/8	19.5	12.5	11	98
$\phi 100$	27	14	94	30	26	M20 \times 2.5	6.5	76.5	62.5	27	11	17.5	3/8	25.5	13	11	117

$\phi 32 \sim \phi 100$



Rod End Male Screw



Bore size	CC	K	W	V	Y
$\phi 32$	23.5	88.5	15	17.5	M10×1.25
$\phi 40$	31	110	20.5	23.5	M14×1.5
$\phi 50$	37.5	123.5	26	28.5	M18×1.5
$\phi 63$	37.5	131.5	26	28.5	M18×1.5
$\phi 80$	48	160.5	32.5	35.5	M22×1.5
$\phi 100$	49.5	168.5	32.5	35.5	M26×1.5

Bore size	A	B	□C	D	E	H	J	K	L	M	ϕ OA	ϕ OB	2-PT	PA	RB	□Z
$\phi 32$	10	6	34	12	14	M6×1	3	53.5	41.5	12	5.5	9	1/8	13	5.5	45
$\phi 40$	14	7.5	40	16	15	M8×1.25	5	63	48	13	5.5	9	1/8	14	5.5	52
$\phi 50$	17	9	50	20	20	M10×1.5	7	66.5	48.5	15	7	11	1/4	13.5	6.5	64
$\phi 63$	17	9	60	20	22	M10×1.5	7	74.5	56.5	15	9	14	1/4	17.5	9	77
$\phi 80$	22	12.5	77	25	26	M16×2	6	89.5	64.5	21	11	17.5	3/8	19.5	11	98
$\phi 100$	27	14	94	30	26	M20×2.5	6.5	97.5	69.5	27	11	17.5	3/8	25.5	11	117