

ACR series

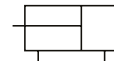


ACR-N B63-S100

Features

- Aluminium tube
- Shortened round cylinder
- Lighter weight than that of conventional type
- Flange type and double clevis mounting is available

Symbol



Double Acting /
Single Rod

How to Order

ACR - N B 63 - S 100

① ② ③ ④ ⑤ ⑥

① Series

ACR	Round cylinder (Aluminium tube)
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④ Bore size

50	63	80	100
Ø50	Ø63	Ø80	Ø100

② Lubrication

N	Non-lubricated type (Standard)
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⑤ Cylinder stroke

25, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500
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③ Mounting style

B	Standard
FA	Rod side flange
FB	Head side flange
CB	Double clevis

⑥ Rod end attachment

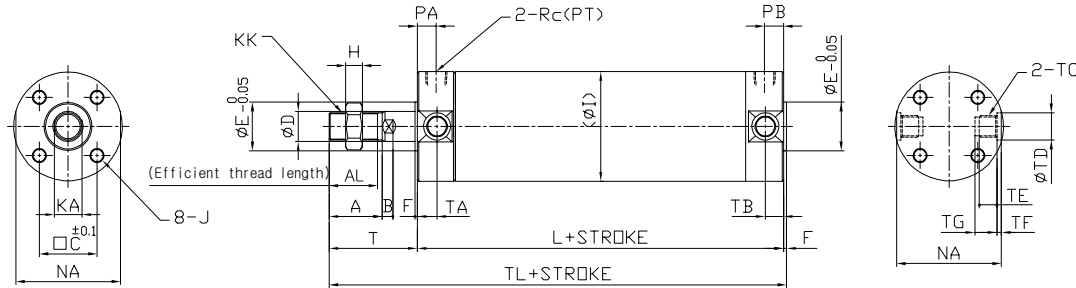
Nil	Rod end nut (Standard) : 1pc
I	Single knuckle joint
Y	Double knuckle joint

※ Refer to page [1]-133, for specifications about custom-made rod ends.

Specifications

Type	Non lubricated
Cylinder Bore size	Ø50, Ø63, Ø80, Ø100
Fluid	Air
Proof pressure	15kgf/cm ² (1.5MPa)
Max. operating pressure	9.9kgf/cm ² (0.99MPa)
Min. operating pressure	0.5kgf/cm ² (0.05MPa)
Ambient & fluid temperature	5 ~ 60℃
Operating piston speed	50 ~ 600mm/sec
Cushion	Rubber bumper
Tolerance of thread	KS class 2
Tolerance of stroke	~ 1000 ST : $\begin{smallmatrix} +1.4 \\ 0 \end{smallmatrix}$, 1001 ~ 1500 ST : $\begin{smallmatrix} +1.8 \\ 0 \end{smallmatrix}$

Dimensions-Standard (B)



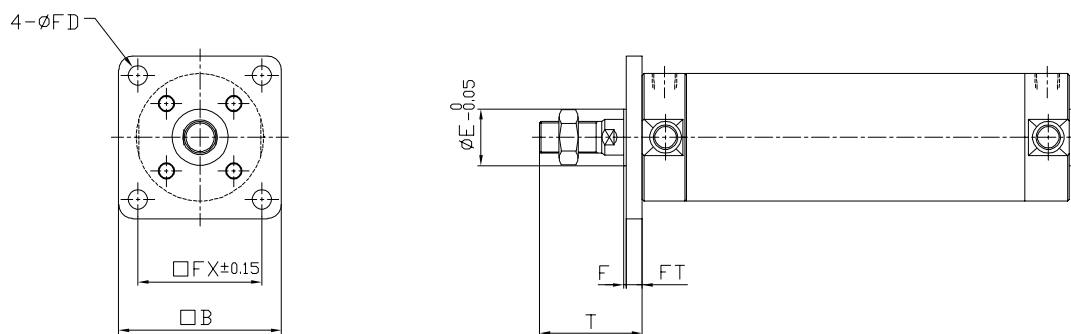
Unit : mm

Bore size	Standard stroke range	Long stroke range	A	AL	C	D	E	F	PA	PB	T	H	I	J	B	KA	KK
Ø50	~300	301~1200	35	32	32	20	30	2	14	12	58	11	56	M8XP1.25 Depth16	7	18	M18XP1.5
Ø63	~300	301~1200	35	32	38	20	32	2	14	12	58	11	69	M10XP1.5 Depth16	7	18	M18XP1.5
Ø80	~300	301~1400	40	37	50	25	40	3	20	16	71	13	87	M10XP1.5 Depth22	10	22	M22XP1.5
Ø100	~300	301~1500	40	37	60	30	50	3	20	16	71	16	108	M12XP1.75 Depth22	10	26	M26XP1.5

Bore size	NA	Rc(PT)	L	TA	TB	TL	TC	TDH9	TE	TG
Ø50	55	1/4	102	13	12	162	M12XP1.25	16 ^{+0.08} ₀	7.5	10
Ø63	69	1/4	102	13	12	162	M14XP1.5	18 ^{+0.08} ₀	11.5	14.5
Ø80	80	3/8	122	-	-	196	-	-	-	-
Ø100	100	1/2	122	-	-	196	-	-	-	-

※ For Ø80, Ø100 cylinder bore size, NA(width cross flat) does not have trunnion mounting tap.
※ Contact us for built-in magnet type.

Dimensions-Rod Side Flange (FA)

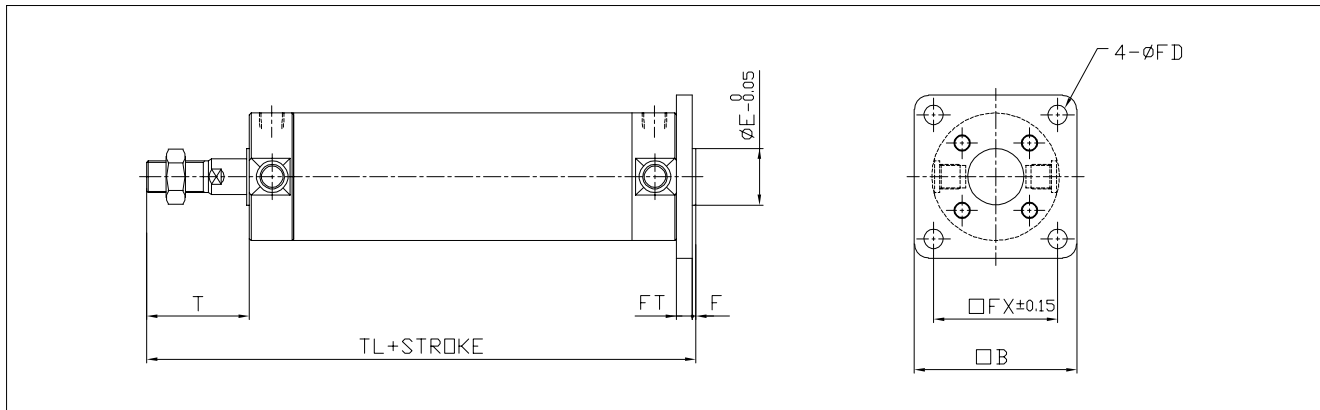


Unit : mm

Bore size	Stroke range	B	E	F	FX	FD	FT	T
Ø50	~750	76	30	2	58	9	9	58
Ø63	~750	92	32	2	70	11	9	58
Ø80	~750	104	40	3	82	11	11	71
Ø100	~750	128	50	3	100	14	14	71

※ ØE is on flange mounting.
※ For dimensions not shown in these figures, refer to the standard type.

Dimensions-Head Side Flange (FB)



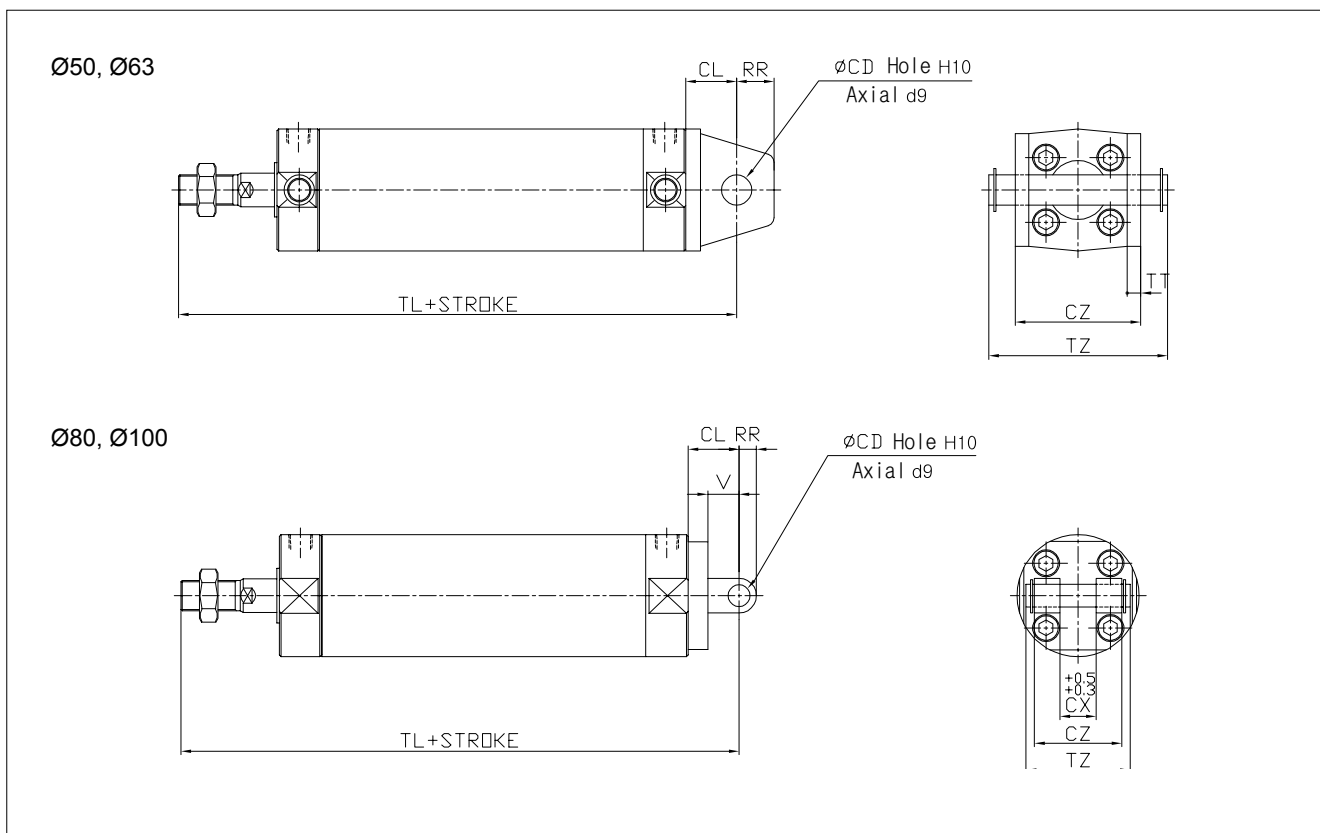
Unit : mm

Bore size	Stroke range	B	E	F	FX	FD	FT	T	TL
Ø50	~750	76	30	2	58	9	9	58	162
Ø63	~750	92	32	2	70	11	9	58	162
Ø80	~750	104	40	3	82	11	11	71	196
Ø100	~750	128	50	3	100	14	14	71	196

※ ØE is on flange mounting.

※ For dimensions not shown in these figures, refer to the standard type.

Dimensions-Double Clevis (CB)



Unit : mm

Bore size	Stroke range	CD	CX	CZ	CL	RR	V	TT	TZ	TL
Ø50	~600	16	-	60	25	20	-	6	86	185
Ø63	~600	18	-	74	30	22	-	8	105.4	190
Ø80	~750	18	28	56	35	18	26	-	64	228
Ø100	~750	22	32	64	43	22	32	-	72	236

※ For dimensions not shown in these figures, refer to the standard type.