KLCS series

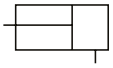


KLCS CA 50-64

Features

- Seal is not applied this ensures smooth and sensitive movement to minor load variation.
- Due to the high efficiency, almost 100% of the supply pressure is used as driving force. It is also applicable with low pressure.

Symbol



Single Acting / Single Rod

How to Order

KLCS ① CA ② 50 ③ - 64 ④

① Series

LCS	Labyrinth cylinder

② Mounting style

CA	Single clevis
CB	Double clevis

③ Bore size

20	30	40	50	63	80	100
Ø20	Ø30	Ø40	Ø50	Ø63	Ø80	Ø100

④ Cylinder stroke

Bore size	Ø20	Ø30	Ø40	Ø50	Ø63	Ø80	Ø100
Standard stroke	50	50	50	64	78	108	144

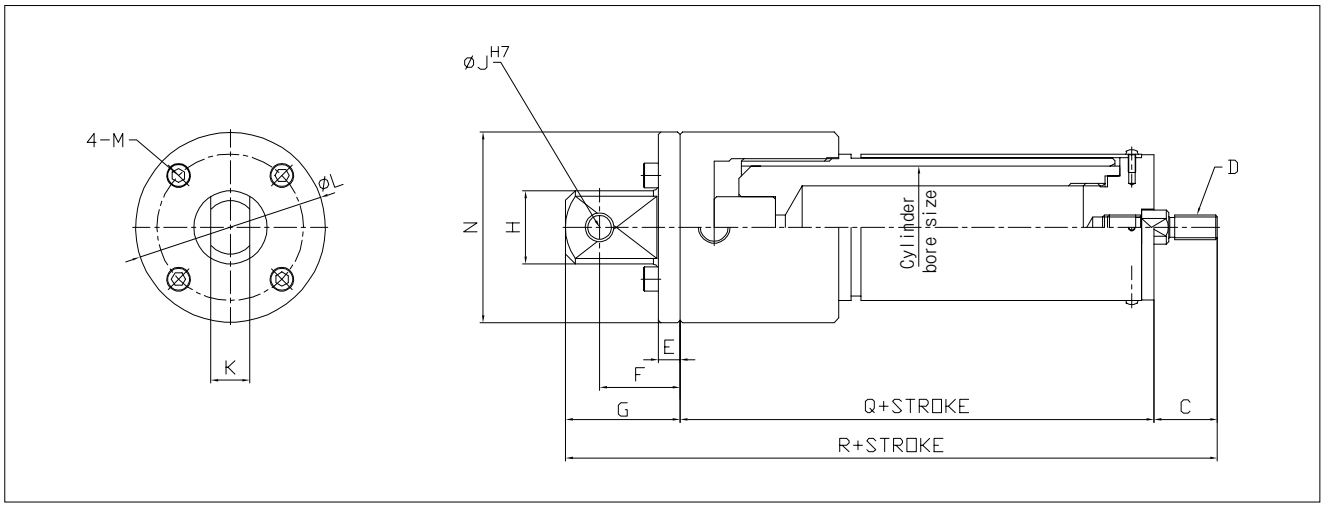
Specifications

Action	Single acting
Fluid	Clean air (for 5㎛ Filter & Oil remove filter)
Max. stroke	300mm
Min. operating pressure	0.02 ~ 0.4kgf/cm^2 (0.002 ~ 0.04MPa)
Ambiet & fluid temperature	-10℃ ~ 40℃ (Contact KCC for higher temperature type)
Lubrication	Not required (Do not lubricate)
Standard stroke	Refer to the standard stroke table above
Internal leakage	300 ℓ/min (ANR) (for Ø50 cylinder at 0.4kgf/cm^2)
Attachment direction	Vertical (within 15° from vertical axis)

Application

- Film winder tension control.
- Control the tension of textile machinery.
- To maintain balance of electric servo mechanism.

Dimensions



Unit : mm

Bore size	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
Ø20	20	5	25	M10X1.25	0	11	21	22	8	12	0	0	38	Rc(PT) 1/8	89	135
Ø30	20	5	25	M10X1.25	0	13	25	26	10	14	0	0	48	Rc(PT) 1/8	124	174
Ø40	20	5	25	M10X1.25	0	14	27	30	10	16	0	0	59	Rc(PT) 1/8	136	188
Ø50	20	6	26	M10X1.25	9	33	47	30	10	16	60	7	78	Rc(PT) 1/4	144	217
Ø63	20	7	30	M10X1.25	10	38	54	35	12	18	70	9	90	Rc(PT) 1/4	143	227
Ø80	23	8	40	M10X1.25	12	44	64	40	15	22	80	9	100	Rc(PT) 1/4	115	219
Ø100	40	8	48	M10X1.25	14	50	68	56	18	26	100	12.5	120	Rc(PT) 1/4	150	266