

■ Features

1. Identical to ISO6432 Ø20 ~ Ø25.
2. Miniature size and space saving.



■ How to order

PCL	32	B50 M	SF	D	1	FA	Y	S	
Type	Bore size	Stroke	Magnet	Sensor	Type	Number of sensor	Mounting parts	Rod end joint	Rod material
PCL:Standard integrated devis(Aluminum) PCCL:Boss-cut PCLD:Double rod PCLA:Stroke adjustable 25mm PCLB:Stroke adjustable 50mm APCL:Single acting/Spring return/Standard APCCL:Single acting/Spring return/Boss-cut APDL:Single acting/Spring extended/Standard APDCL:Single acting/Spring extended/Boss-cut	20:Ø20 25:Ø25 32:Ø32 40:Ø40		Blank:W/O magnet M:W/I magnet	Blank:W/O sensor SF:LED in front  AL-20 ST:LED on top  AL-21	Blank:Reed switch D:NPN E:PNP	1 pc 2 pcs	Blank :W/O mounting parts FA :Front flange FB :Rear flange CB:Female devis LB :Foot mounting	Blank :W/O rod end joint Y:Double knuckle joint I :Single knuckle joint P :Eyebolt floating joint T :Basic floating joint L :Axial foot type floating joint F :Flange type floating joint	Blank :S45C S:SUS304

*Sensor please refer to P3-189~P3-190

■ How to order mounting parts

ZIPC	FA	—	20
PCL series	Mounting parts		Bore size
	FA: Front flange FB: Rear flange CB: Female clevis LB: Foot mounting		20: Ø20 25: Ø25 32: Ø32 40: Ø40

*Please refer to P3-56

■ How to order rod end joints

ZNF	Y	—	M20
	Rod end joint		Thread size
	Y: Double knuckle joint I: Single knuckle joint P: Eyebolt floating joint T: Basic floating joint L: Axial foot type floating joint F: Flange type floating joint		M8: M8xP1.25 (PCL20) M10: M10xP1.25 (PCL25, 32) M12: M12xP1.25 (PCL40)

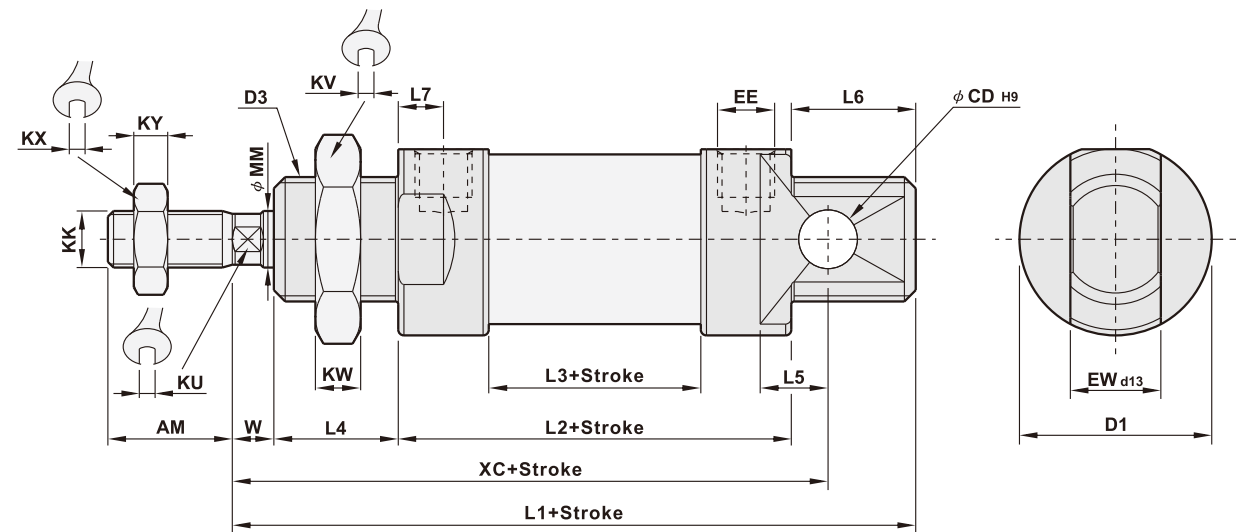
*Please refer to P3-187~P3-188

■ Specifications

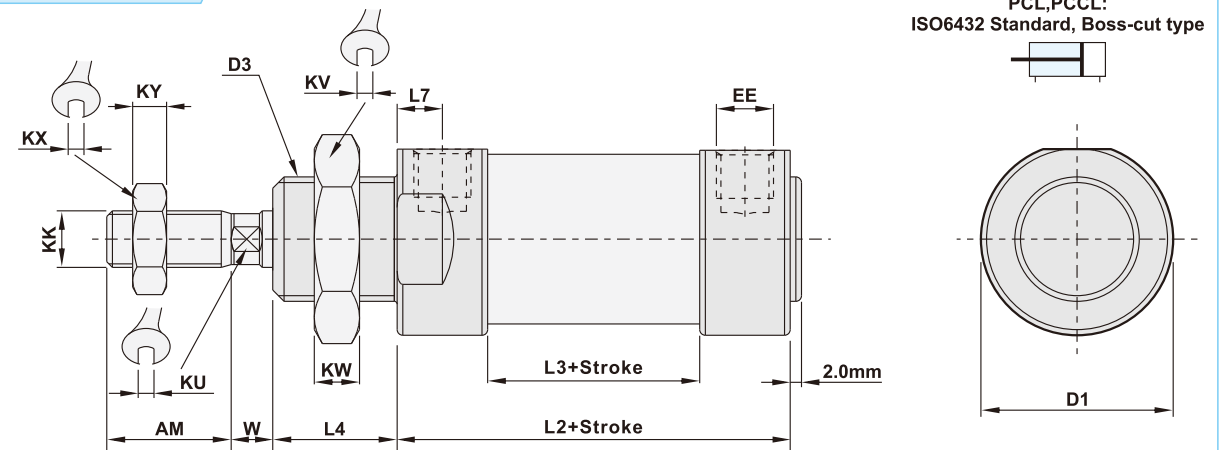
Bore size	Ø20	Ø25	Ø32	Ø40
Port size	1/8"			
Fluid	Compressed air			
Acting	Double acting or single acting			
Operating pressure range	1.5 ~ 8.5 kgf/cm ²			
Max operating pressure	9.5 kgf/cm ²			
Barrel material	Aluminum alloy			
Ambient temperature	-5°C ~ 60°C			
Piston speed	50 ~ 700mm/Sec.			
Magnet	Option			

■ Dimensions

PCL Standard integrated clevis type



PCCL Boss-cut type



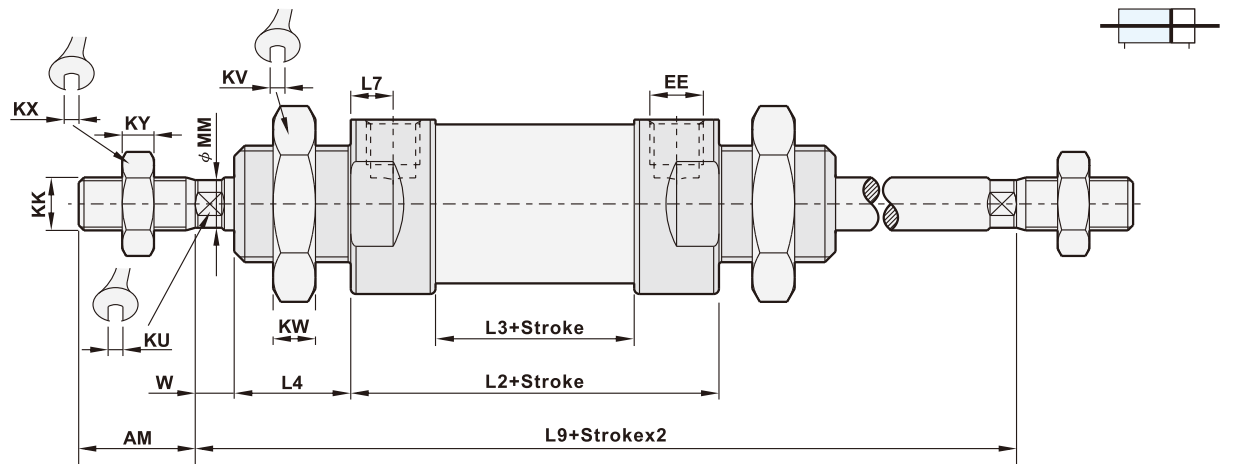
(Unit: mm)

Bore size	AM	D1	CD	D3	L1	L2	L3	L4	L5	L6	L7
Ø20	20	29	Ø8	M22xP1.5	109	67	36	18	12	18	7.75
Ø25	22	34	Ø8	M22xP1.5	117.5	69.5	37.5	20	12	20	8
Ø32	22	39.5	Ø10	M27xP2.0	133	83	47	20	13.5	22	9
Ø40	24	49	Ø10	M33xP2.0	138	85	49	20	13.5	22	9

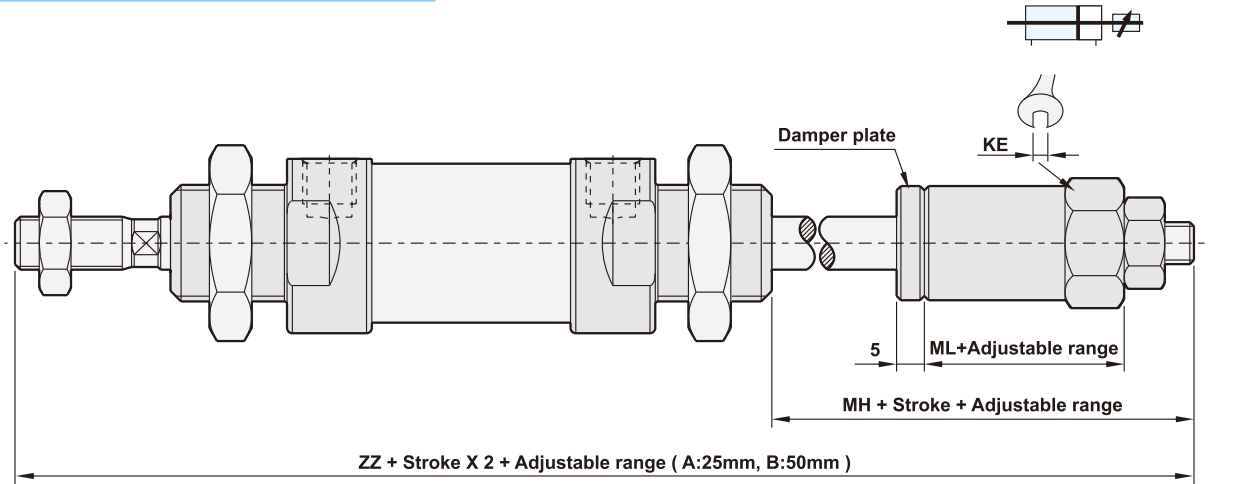
Bore size	KK	KU	KV	KW	KX	KY	MM	W	EW	XC	EE
Ø20	M8xP1.25	7	30	6	13	6	Ø8	6	16	95	G 1/8
Ø25	M10xP1.25	9	30	6	17	6	Ø10	8	16	104	G 1/8
Ø32	M10xP1.25	10	32	8	17	6	Ø12	8	22	120	G 1/8
Ø40	M12xP1.25	14	41	8	19	7	Ø16	11	26	125	G 1/8

■ Dimensions

PCLD Double rod type



PCLA, PCLB Stroke adjustable type



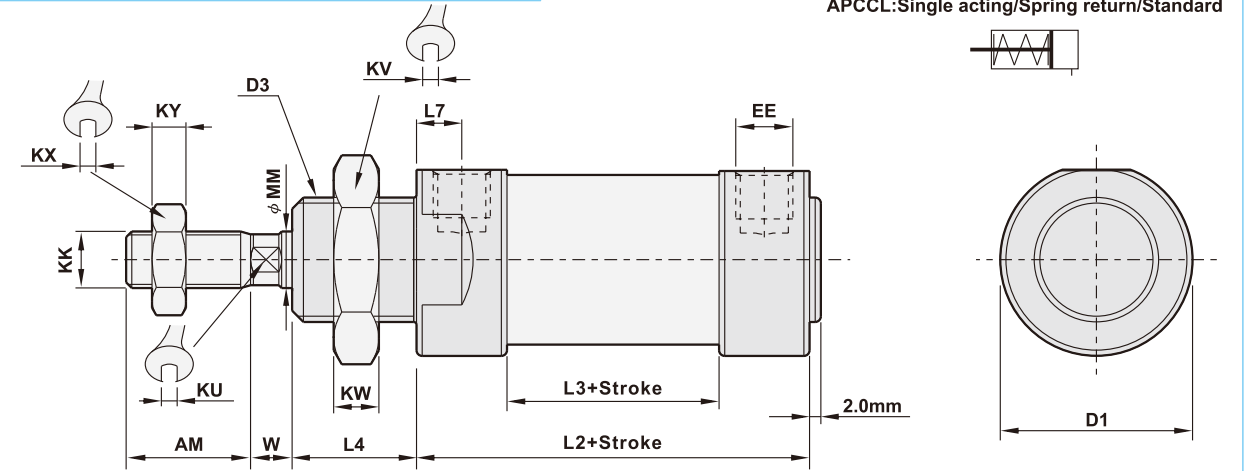
(Unit: mm)

Bore size	AM	L2	L3	L4	L7	EE	KU	KV	KW	KX	KY
φ 20	20	67	36	18	7.75	G 1/8	7	30	6	13	6
φ 25	22	69.5	37.5	20	8	G 1/8	9	30	6	17	6
φ 32	22	83	47	20	9	G 1/8	10	32	8	17	6
φ 40	24	85	49	20	9	G 1/8	14	41	8	19	7

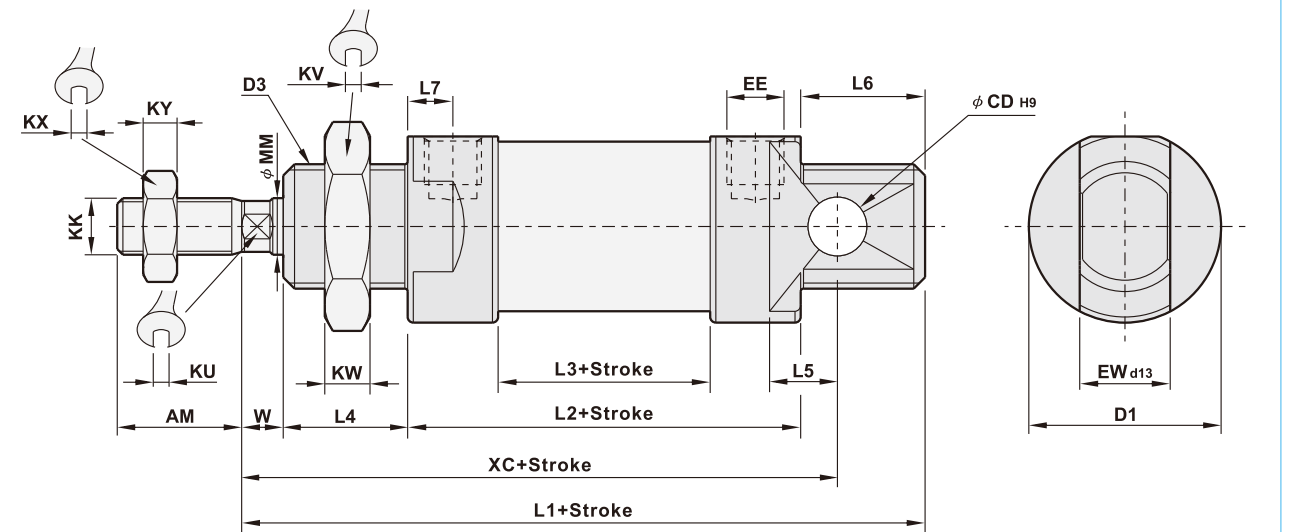
Bore size	MM	W	KK	L9	ZZ	MH	ML	KE
φ 20	φ 8	6	M8xP1.25	115	162	33	20	17
φ 25	φ 10	8	M10xP1.25	125.5	172.5	33	20	17
φ 32	φ 12	8	M10xP1.25	139	188	35	22	22
φ 40	φ 16	11	M12xP1.25	147	195	35	22	27

■ Dimensions

APCCL Single acting/Spring return/Boss-cut



APCL Single acting/Spring return/Standard



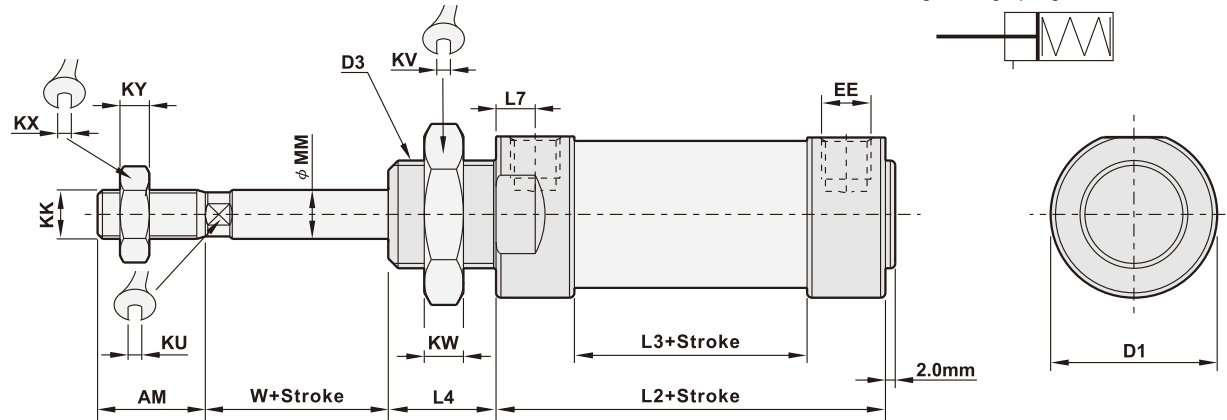
(Unit: mm)

Bore size	AM	D1	CD	D3	L1	L2	L3	L4	L5	L6
φ 20	20	29	φ 8	M22xP1.5	134	92	61	18	12	18
φ 25	22	34	φ 8	M22xP1.5	142.5	94.5	62.5	20	12	20
φ 32	22	39.5	φ 10	M27xP2.0	158	108	72	20	13.5	22
φ 40	24	49	φ 10	M33xP2.0	163	110	74	20	13.5	22

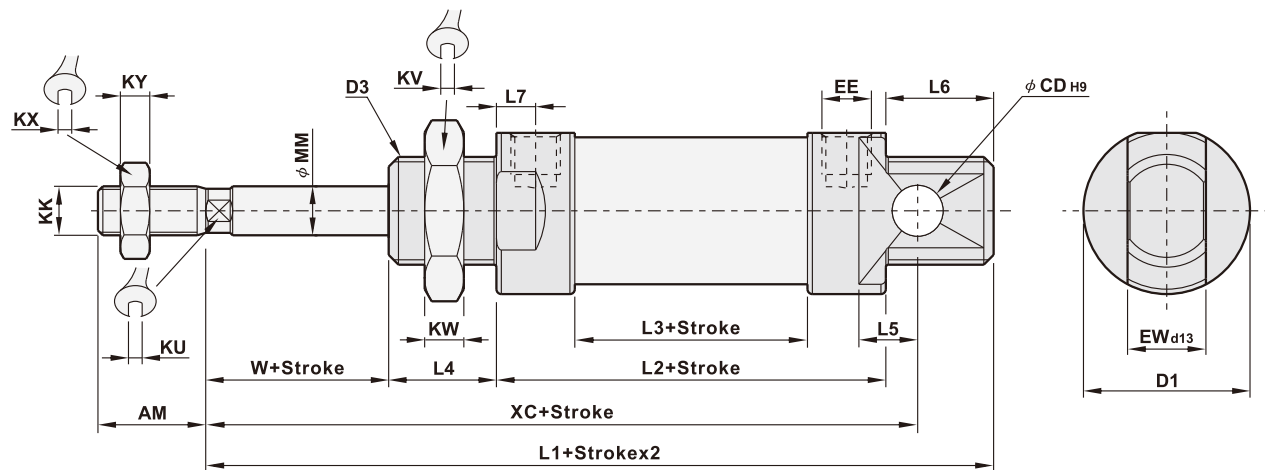
Bore size	L7	KK	KU	KV	KW	KX	KY	MM	W	EW	XC	EE
φ 20	7.75	M8xP1.25	7	30	6	13	6	φ 8	6	16	120	G 1/8
φ 25	8	M10xP1.25	9	30	6	17	6	φ 10	8	16	129	G 1/8
φ 32	9	M10xP1.25	10	32	8	17	6	φ 12	8	22	145	G 1/8
φ 40	9	M12xP1.25	14	41	8	19	7	φ 16	11	26	150	G 1/8

■ Dimensions

APDCL Single acting/Spring extended/Boss-cut

APDL:Single acting/Spring extended/Boss-cut
APDCL:Single acting/Spring extended/Standard

APDL Single acting/Spring extended/Standard



(Unit: mm)

Bore size	AM	D1	CD	D3	L1	L2	L3	L4	L5	L6
$\phi 20$	20	29	$\phi 8$	M22xP1.5	134	92	61	18	12	18
$\phi 25$	22	34	$\phi 8$	M22xP1.5	142.5	94.5	62.5	20	12	20
$\phi 32$	22	39.5	$\phi 10$	M27xP2.0	158	108	72	20	13.5	22
$\phi 40$	24	49	$\phi 10$	M33xP2.0	163	110	74	20	13.5	22

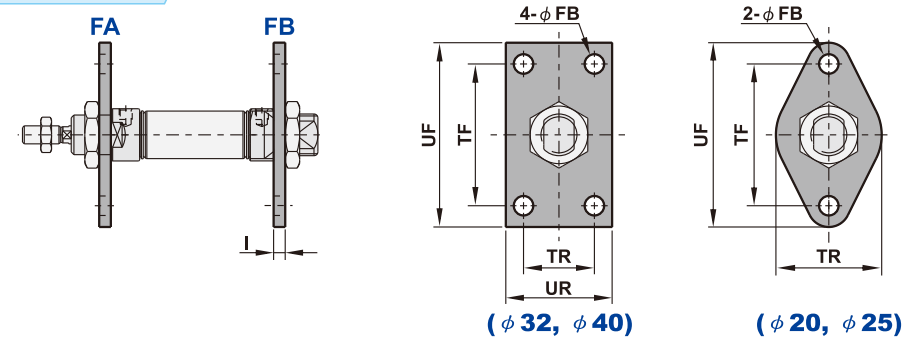
Bore size	L7	KK	KU	KV	KW	KX	KY	MM	W	EW	XC	EE
$\phi 20$	7.75	M8xP1.25	7	30	6	13	6	$\phi 8$	6	16	120	G 1/8
$\phi 25$	8	M10xP1.25	9	30	6	17	6	$\phi 10$	8	16	129	G 1/8
$\phi 32$	9	M10xP1.25	10	32	8	17	6	$\phi 12$	8	22	145	G 1/8
$\phi 40$	9	M12xP1.25	14	41	8	19	7	$\phi 16$	11	26	150	G 1/8

Mounting Parts

For ISO air Cylinder

■ Dimension of mounting parts

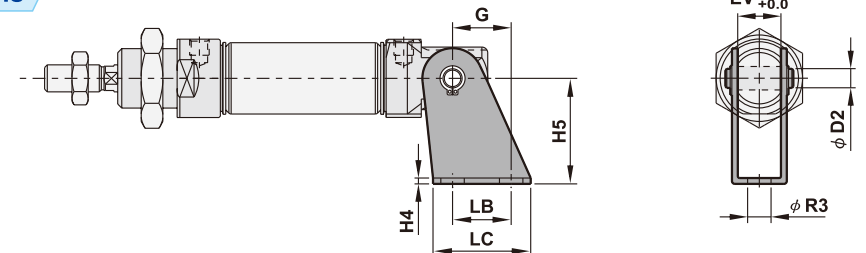
FA, FB Front & Rear flange



(Unit: mm)

Bore size	TF	TR	UF	UR	I	FB	Bore size	TF	TR	UF	UR	I	FB
$\phi 20$	50	—	66	40	3	$\phi 6.5$	$\phi 32$	50	26	64	40	3	$\phi 7$
$\phi 25$	50	—	66	40	3	$\phi 6.5$	$\phi 40$	54	30	74	50	4	$\phi 7$

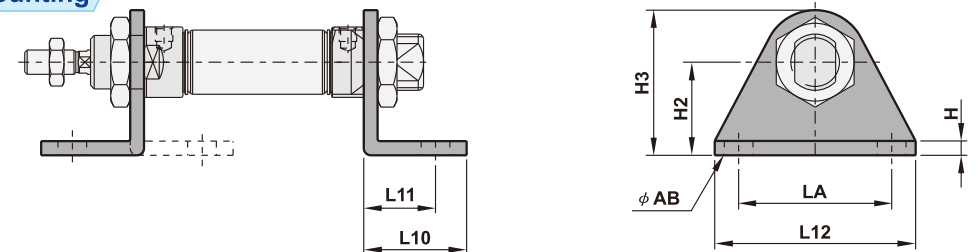
CB Female clevis



(Unit: mm)

Bore size	LB	LC	EV	H4	H5	G	D2	R3	Bore size	LB	LC	EV	H4	H5	G	D2	R3
$\phi 20$	20	32	16	3	30	18.5	$\phi 8^{+0.04}_{+0.0}$	$\phi 7$	$\phi 32$	25	40	22	3	40	22.5	$\phi 10^{+0.03}_{+0.0}$	$\phi 9$
$\phi 25$	20	32	16	3	30	18.5	$\phi 8^{+0.04}_{+0.0}$	$\phi 7$	$\phi 40$	25	40	26	3	40	22.5	$\phi 10^{+0.03}_{+0.0}$	$\phi 9$

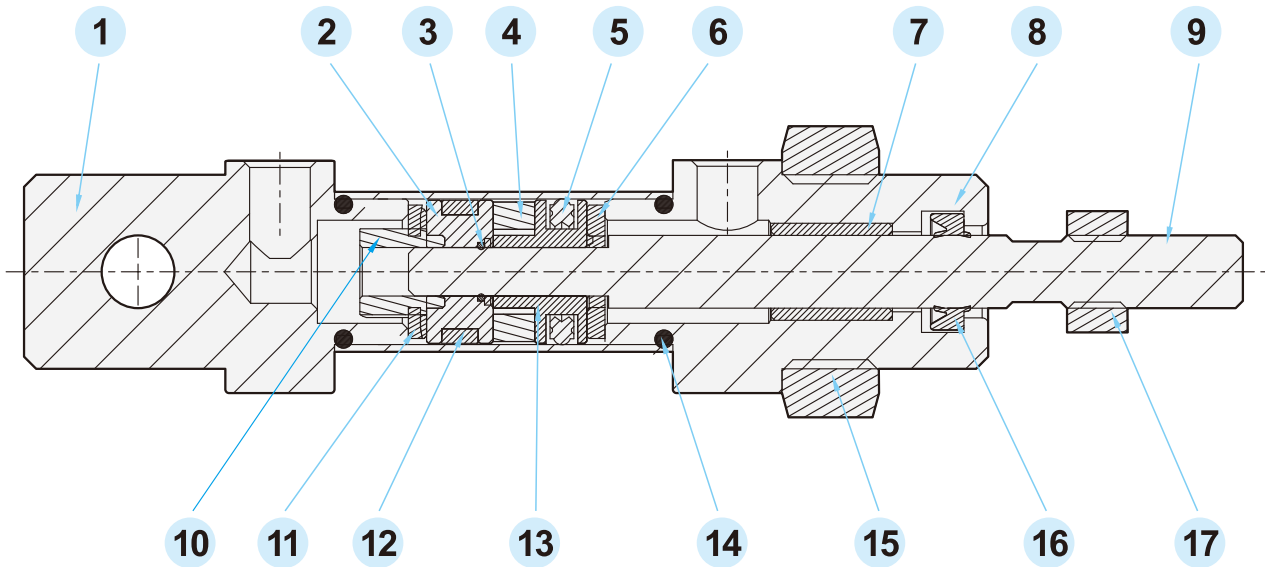
LB Foot mounting



(Unit: mm)

Bore size	L10	L11	L12	LA	H	H2	H3	AB	Bore size	L10	L11	L12	LA	H	H2	H3	AB
$\phi 20$	26	17	54	40	3	25	45	$\phi 7$	$\phi 32$	25	18	64	50	3.5	28	48	$\phi 7$
$\phi 25$	26	17	54	40	3	25	45	$\phi 7$	$\phi 40$	30	20	74	54	4	31.5	60	$\phi 7$

Material of parts



No.	Description	Material	Qty.	No.	Description	Material	Qty.
1	Rear cover	Aluminum alloy	1	10	Nut	Fe+Ni	1
2	Wear ring	Teflon+Graphite	1	11	Rear piston	Aluminum alloy	1
3	O-ring	NBR	1	12	Barrel	Aluminum alloy	1
4	Magnet	Rubber	1	13	Front piston	Aluminum alloy	1
5	U piston seal	NBR	1	14	O-ring	NBR	2
6	Bumper	NBR	2	15	Fixing nut	SS41+Ni	1
7	Bushing	Brass	1	16	Rod seal	NBR	1
8	Front cover	Aluminum alloy	1	17	Nut	Fe+Ni	1
9	Piston rod	S45C+Cr	1				

Stroke table

Bore size	Acting	Standard stroke(mm)	Max. Standard stroke(mm)
φ 20	Double acting	5 ~ 500	900
φ 25 ~ φ 40	Double acting	5 ~ 500	1200
φ 20 ~ φ 40	Single acting	25, 50	---

Note: Please contact our sales for non-standard stroke.

Memo...

