

Compact cylinder

ACF Series—Accessories

List for ordering code of accessories

Accessories Bore size	Mounting accessories								Knuckle				Sensor switch	
	LB	FA/FB	CA	CB	CR	SDB	FTC	TCM2	I	Y	F	U	CMSE	DMSE
12	F-ACE12LB	F-ACE12FA	F-ACE12CA	-	-	F-MI12SDB	-	-	F-ACQ12I	F-ACQ12Y	F-M5X080F	F-M5X080U	CMSE	DMSE
16	F-ACP12LB	F-ACE16FA	F-ACE16CA	-	-	F-MI12SDB	-	-	F-M6X100I	F-M6X100Y	F-M6X100F	F-M6X100U		
20	F-ACP20LB	F-ACE20FA	F-ACE20CA	-	-	F-MI20SDB	-	-	F-M8X125I	F-M8X125Y	F-M8X125F	F-M8X125U		
25	F-ACP25LB	F-ACE25FA	F-ACE25CA	-	-	F-MI20SDB	-	-	F-M10X125I	F-M10X125Y	F-M10X125F	F-M10X125U		
32	F-ACE32LB	F-SI32FA	F-SE32CA	F-SE32CB	F-SI32CR	-	F-SI32FTC	F-SI32TCM2	F-M10X125I	F-M10X125Y	F-M10X125F	F-M10X125U		
40	F-ACE40LB	F-SI40FA	F-SE40CA	F-SE40CB	F-SI40CR	-	F-SI40FTC	F-SI40TCM2	F-M12X125I	F-M12X125Y	F-M12X125F	F-M12X125U		
50	F-ACE50LB	F-SI50FA	F-SE50CA	F-SE50CB	F-SI50CR	-	F-SI50FTC	F-SI40TCM2	F-M12X125I	F-M12X125Y	F-M12X125F	F-M12X125U		
63	F-ACE63LB	F-SI63FA	F-SE63CA	F-SE63CB	F-SI63CR	-	F-SI63FTC	F-SI63TCM2						

Accessory selection

Cylinder model\Accessories			Mounting accessories									Knuckle[Note1]				Sensor switch	
			LB	FA	FB	CA	CB	CR	SDB	FTC	TCM2	I	Y	U	F	CMSE	DMSE
ACF	Female thread	Without magnet										×	×	×	×	×	×
		With magnet	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Male thread	Without magnet										●	●	●	●	×	×
		With magnet										●	●	●	●	●	●
ASF ATF	Female thread	Without magnet										×	×	×	×	×	×
		With magnet	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	Male thread	Without magnet										●	●	●	●	×	×
		With magnet										●	●	●	●	●	●
ACFD ACFJ	Female thread	Without magnet										×	×	×	×	×	×
		With magnet	●	●	×	×	×	×	×	●	●	●	●	●	●	●	●
	Male thread	Without magnet										●	●	●	●	×	×
		With magnet										●	●	●	●	●	●
TACF	Female thread	Without magnet	×	×	●	●	●	●	●	●	●	×	×	×	×	×	×
		With magnet										●	●	●	●	●	●
TACFD	Female thread	Without magnet	×	×	●	×	×	×	×	×	×	×	×	×	×	×	×
		With magnet										●	●	●	●	●	●

[Note1] The I knuckle and Y knuckle for bore $\Phi 12$ are adaptable to ACQ cylinders, and other knuckles are common parts. Please refer to our catalog for knuckle detail.

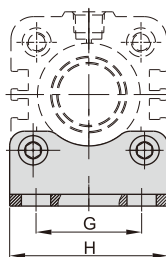
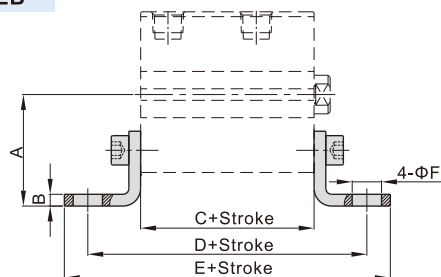
Material of accessories

Accessories Bore size	Mounting accessories									Knuckle			
	LB	FA	FB	CA	CB	CR	SDB	FTC	TCM2	I	Y	F	U
12~25	△	●	●	●	-	-	△	■	●	□	□	□	□
32~63	△	●	●	◇	◇	◇	-	■	●	□	□	□	□

●—Aluminum alloy; ■—Cast iron; ◇—Ductile Iron; △—SPCC; □—Carbon Steel

Dimensions

LB



Bore size\Item	A	B	C	D	E	F	G	H
12	21	3	35	61	71	5.5	16	25
16	22	3	35	61	70.6	5.5	18	27
20	27	3.8	37	69	81.6	6.5	22	34
25	29	3.8	39	71	83.6	6.5	26	38
32	33.5	4	44	76	89	7	32	48
40	38	4	45.5	81.5	97.5	10	36	54
50	45	5	45.5	87.5	103.5	10	45	65
63	50	5	49	91	107	10	50	75

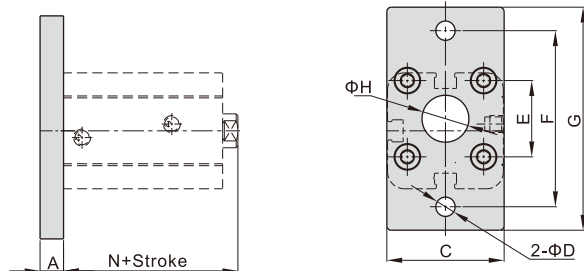
[Note] Valve C in the above table is only for ACF series. Please refer to relevant content for valve C of other series.

Compact cylinder

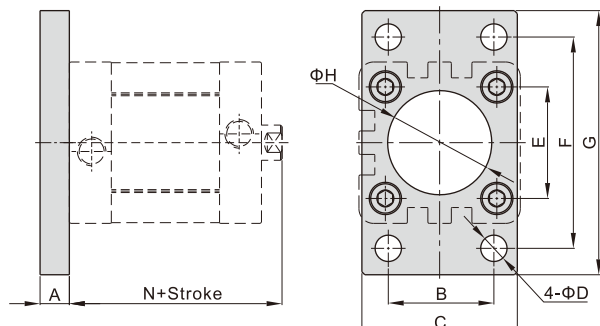
ACF Series—Accessories

FA/FB

Φ12~Φ25



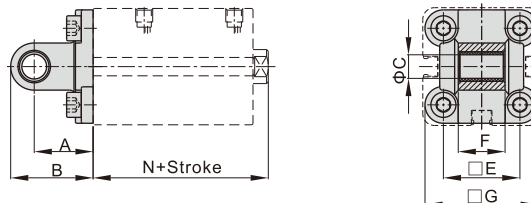
Φ32~Φ63



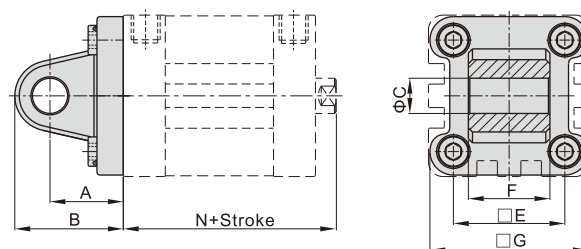
Bore size\Item	A	B	C	D	E	F	G	H	N
12	8	-	25	5.5	16	40	55	10	40
16	8	-	30	5.5	18	43	55	10	40
20	8	-	35	6.6	22	55	68	16	43
25	8	-	39.5	6.6	26	60	76	16	45
32	10	32	47	7	32.5	64	80	30.5	51
40	10	36	53	9	38	72	90	35.5	52.5
50	12	45	65	9	46.5	90	108	40.5	53.5
63	12	50	75	9	56.5	100	118	45.5	57

CA

Φ12~Φ25

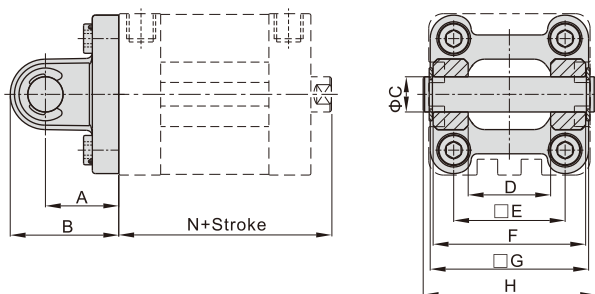


Φ32~Φ63



Bore size\Item	A	B	C	E	F	G	N
12	16	22	6	16	11.9	24	40
16	16	22	6	18	11.9	28.5	40
20	20	28	8	22	15.9	34.5	43
25	20	28	8	26	15.9	38.5	45
32	22	32.5	10	32.5	25.8	46.5	51
40	25	37	12	38	27.8	54	52.5
50	27	39	12	46.5	31.7	64	53.5
63	32	47	16	56.5	39.7	75	57

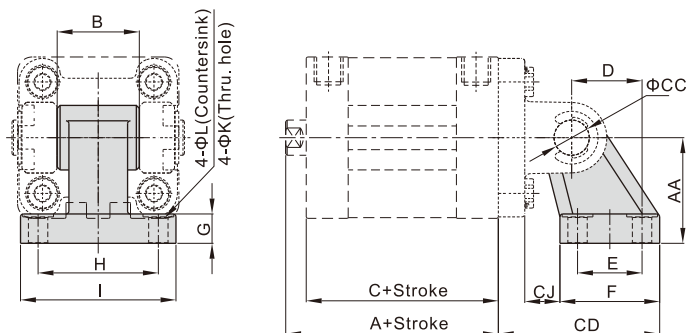
CB Φ32~Φ63



Bore size\Item	A	B	C	D	E	F	G	H	N
32	22	32.5	10	26	32.5	45	46.5	51	51
40	25	37	12	28	38	52	54	59	52.5
50	27	39	12	32	46.5	60	64	67	53.5
63	32	47	16	40	56.5	70	75	77	57

[Note] CB is attached with relevant PIN.

CR Φ32~Φ63



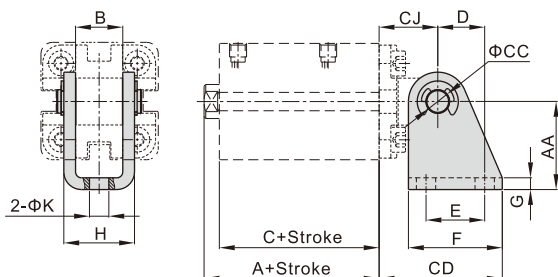
Bore size\Item	A	AA	B	C	CC	CD	CJ	D	E	F	G	H	I	K	L
32	51	32	26	44	10	50	10	21	18	31	8	38	51	6.6	11
40	52.5	36	28	45.5	12	56	12	24	22	35	10	41	54	6.6	11
50	53.5	45	32	45.5	12	68	13	33	30	45	12	50	65	9	14
63	57	50	40	49	16	77	17	37	35	50	12	52	67	9	14

[Note] CR can't be used alone, it must be used with CB.

Compact cylinder

ACF Series—Accessories

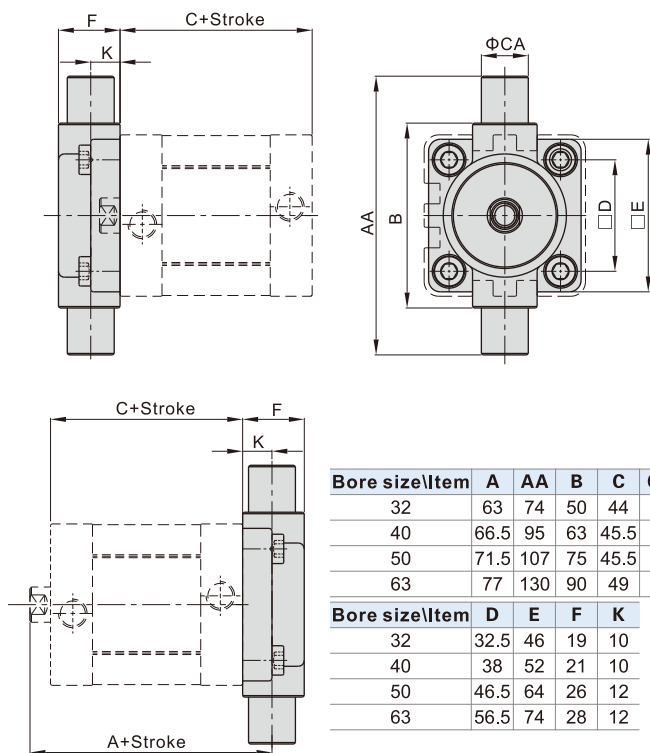
SDB $\Phi 12 \sim \Phi 25$



Bore size/Item	A	AA	B	C	CC	CD	CJ	D	E	F	G	H	K
12	40	27	12.1	35	6	34	16	13	15	25	2	18.1	5.5
16	40	27	12.1	35	6	34	16	13	15	25	2	18.1	5.5
20	43	30	16.1	37	8	42	20	16	20	32	2.5	24.1	6.6
25	45	30	16.1	39	8	42	20	16	20	32	2.5	24.1	6.6

[Note] SDB can't be used alone, it must be used with CA.

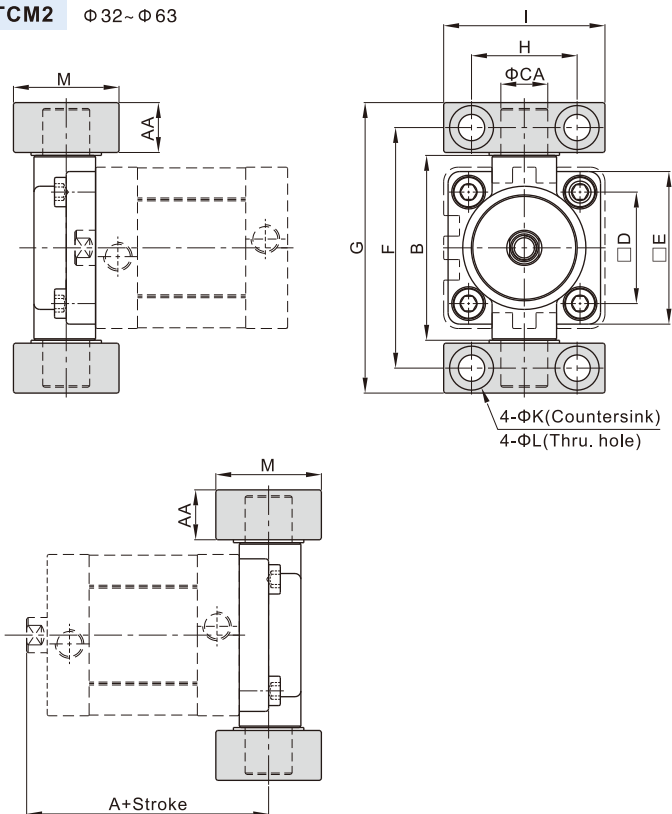
FTC $\Phi 32 \sim \Phi 63$



Bore size/Item	A	AA	B	C	CA
32	63	74	50	44	12
40	66.5	95	63	45.5	16
50	71.5	107	75	45.5	16
63	77	130	90	49	20

Bore size/Item	D	E	F	K
32	32.5	46	19	10
40	38	52	21	10
50	46.5	64	26	12
63	56.5	74	28	12

TCM2 $\Phi 32 \sim \Phi 63$

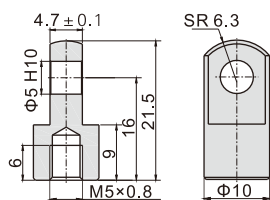


Bore size/Item	A	AA	B	CA	D	E	F	G	H	I	K	L	M
32	63	14	52	12	32.5	46	66	80	32	46	11	7	30
40	66.5	17	65	16	38	52	82	99	36	55	15	9	36
50	71.5	17	75	16	46.5	64	94	111	36	55	15	9	36
63	77	20.5	90	20	56.5	74	113.5	134	42	65	18	11	40

[Note] TCM2 can't be used alone, it must be used with FTC.

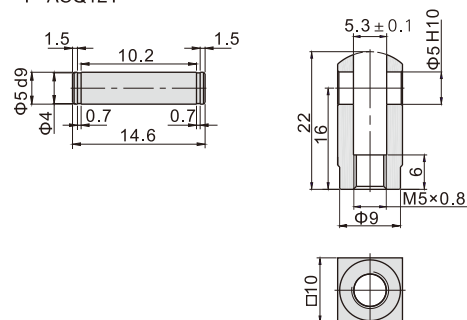
The installation position of the accessories can not be adjusted arbitrarily.

I Knuckle F-ACQ12I



[Note] Other I knuckles are common parts.
Please refer to our catalog for knuckle detail.

Y Knuckle F-ACQ12Y



[Note] Other Y knuckles are common parts.
Please refer to our catalog for knuckle detail.