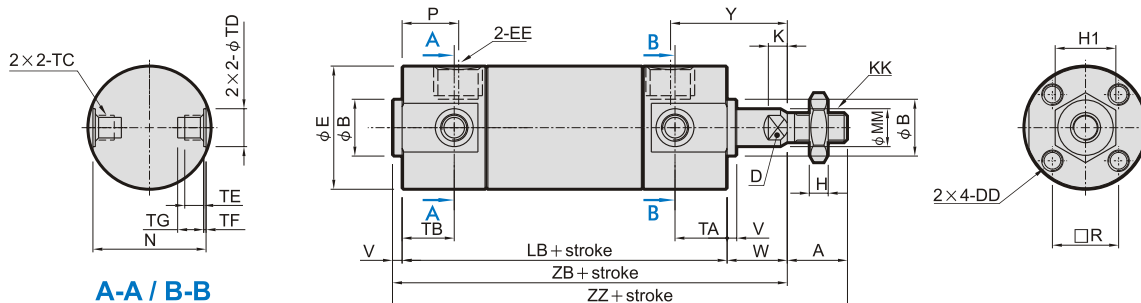




A-A / B-B

Unit: inch

Code Tube I.D.	Standard stroke range	Long stroke range	A	B	D	DD	E	EE	H	H1	K	KK	LB
20	Up to 8	8.01 to 14	0.50	0.472 $^{+0}_{-0.0011}$	0.24	#8-32×0.28 depth	1.02	NPT 1/8	0.16	0.44	0.157	1/4-28 UNF	2.72 (3.03)
25	Up to 12	12.01 to 16	0.50	0.551 $^{+0}_{-0.0011}$	0.31	#10-32×0.30 depth	1.22	NPT 1/8	0.19	0.50	0.197	5/16-24 UNF	2.72 (3.03)
32	Up to 12	12.01 to 18	0.75	0.709 $^{+0}_{-0.0011}$	0.39	#10-32×0.30 depth	1.50	NPT 1/8	0.26	0.69	0.217	7/16-20 UNF	2.80 (3.11)
40	Up to 12	12.01 to 32	0.75	0.984 $^{+0}_{-0.0013}$	0.55	1/4-28×0.47 depth	1.85	NPT 1/8	0.26	0.69	0.236	7/16-20 UNF	3.07 (3.43)
50	Up to 12	12.01 to 48	0.88	1.181 $^{+0}_{-0.0013}$	0.71	5/16-24×0.63 depth	2.28	NPT 1/4	0.32	0.75	0.276	1/2-20 UNF	3.54 (3.86)
63	Up to 12	12.01 to 48	0.88	1.260 $^{+0}_{-0.0015}$	0.71	3/8-24×0.63 depth	2.83	NPT 1/4	0.32	0.75	0.276	1/2-20 UNF	3.54 (3.86)

Code Tube I.D.	MM	N	P	R	TA	TB	TC	TD _{H9}	TE	TF	TG	V	W	Y	ZB	ZZ
20	0.315	0.94	0.47	0.55	0.433	0.433	M5×0.8	0.315	0.157	0.020	0.217	0.08	0.50	0.97	3.30 (3.51)	3.80 (4.11)
25	0.394	1.14	0.47	0.65	0.433	0.433	M6×0.75	0.394	0.197	0.039	0.256	0.08	0.62	1.09	3.42 (3.73)	3.92 (4.23)
32	0.472	1.42	0.43	0.79	0.433	0.394	M8×1.0	0.472	0.217	0.049	0.295	0.08	0.88	1.35	3.76 (4.07)	4.51 (4.82)
40	0.630	1.73	0.47	1.02	0.472	0.394	M10×1.25	0.551	0.240	0.049	0.335	0.08	0.88	1.39	4.03 (4.39)	4.78 (5.14)
50	0.787	2.17	0.51	1.26	0.512	0.472	M12×1.25	0.630	0.295	0.079	0.394	0.08	1.19	1.74	4.81 (5.29)	5.69 (6.01)
63	0.787	2.72	0.51	1.50	0.512	0.472	M14×1.5	0.709	0.453	0.118	0.571	0.08	1.19	1.74	4.81 (5.29)	5.69 (6.01)

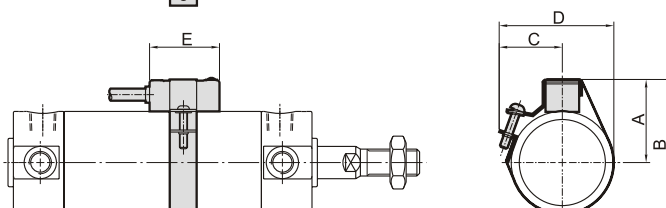
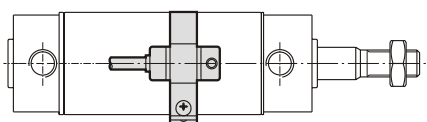
() : Dimension for long stroke.

Installation of sensor switch

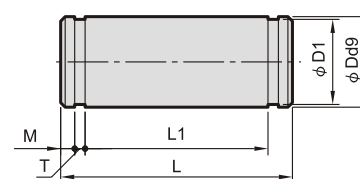
Sensor switch: RCA
Sensor switch band:
BGA**

Unit: inch

Code Tube I.D.	A	B	C	D	E
20	0.709	1.220	0.984	1.50	1.024
25	0.787	1.378	1.063	1.654	1.024
32	0.945	1.693	1.220	1.969	1.024
40	1.142	2.087	1.417	2.362	1.024
50	1.339	2.480	1.614	2.756	1.024
63	1.614	3.031	1.890	3.307	1.024



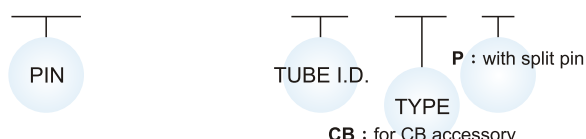
Pin



Order example

※MCCG / MCCN are common accessories.

PIN – MCCG – 32 – CB – P

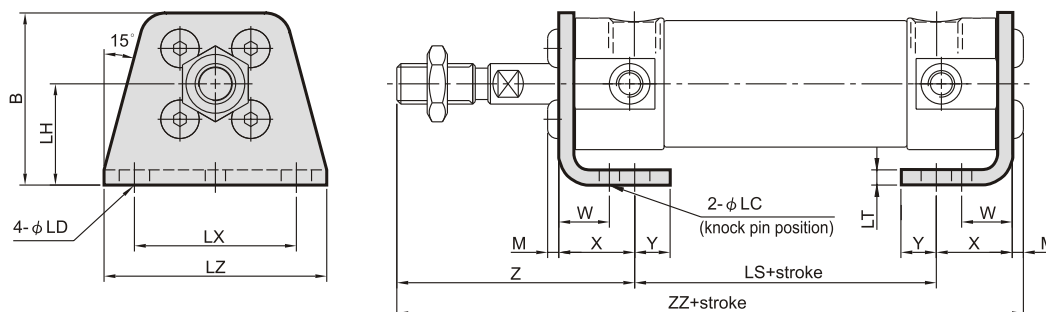


for CB

Unit: inch

Code Tube I.D.	Dd9	D1	L	L1	M	T	Snap ring
20	0.315 $^{+0.0016}_{-0.0030}$	0.30	1.71	1.52	0.06	0.04	STW-8
25	0.394 $^{+0.0016}_{-0.0030}$	0.38	1.89	1.68	0.06	0.05	STW-10
32	0.472 $^{+0.0020}_{-0.0037}$	0.45	2.34	2.13	0.06	0.05	STW-12
40	0.551 $^{+0.0020}_{-0.0037}$	0.53	2.81	2.56	0.08	0.05	STW-14
50	0.630 $^{+0.0020}_{-0.0037}$	0.60	3.39	3.13	0.08	0.05	STW-16
63	0.709 $^{+0.0020}_{-0.0037}$	0.67	4.15	3.85	0.10	0.05	STW-18

LB

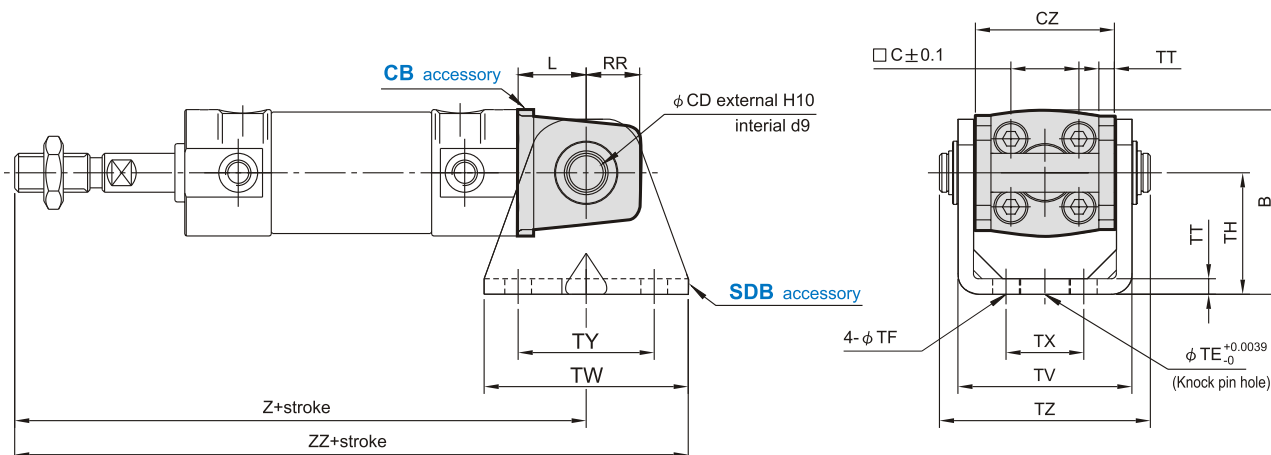


Unit: inch

Code Tube I.D.	B	LC	LD	LH	LS	LT	LX	LZ	M	W	X	Y	Z	ZZ
20	1.34	0.16	0.24	0.79	1.78 (2.09)	0.12	1.26	1.73	0.09	0.39	0.59	0.28	1.47	3.93 (4.24)
25	1.52	0.16	0.24	0.87	1.78 (2.09)	0.12	1.42	1.93	0.11	0.39	0.59	0.28	1.59	4.07 (4.38)
32	1.77	0.16	0.26	0.98	1.78 (2.09)	0.12	1.73	2.28	0.11	0.39	0.63	0.31	2.14	4.66 (4.97)
40	2.15	0.16	0.26	1.18	2.01 (2.37)	0.12	2.13	2.80	0.13	0.39	0.65	0.33	2.16	4.95 (5.41)
50	2.78	0.20	0.35	1.57	2.16 (2.48)	0.18	2.60	3.39	0.17	0.69	0.87	0.43	2.76	5.96 (6.28)
63	3.25	0.20	0.43	1.77	2.16 (2.48)	0.18	3.23	4.17	0.22	0.69	0.87	0.51	2.76	6.01 (6.33)

(): Dimension for long stroke.

CB SDB+Pin (Extra purchase)

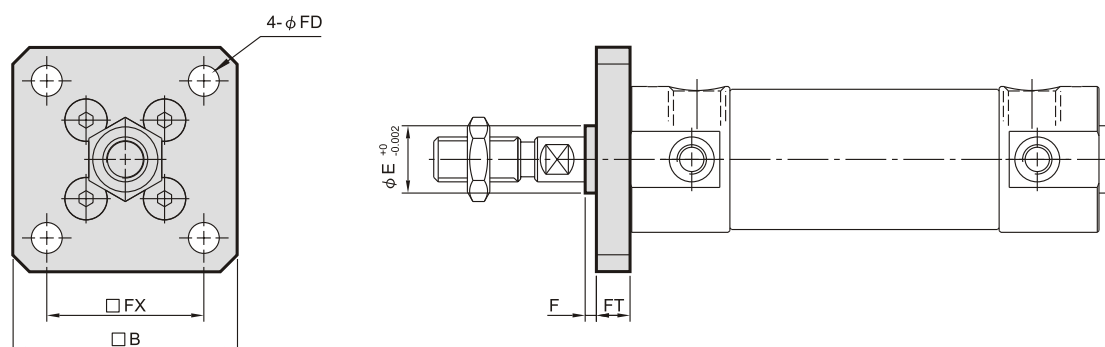


Unit: inch

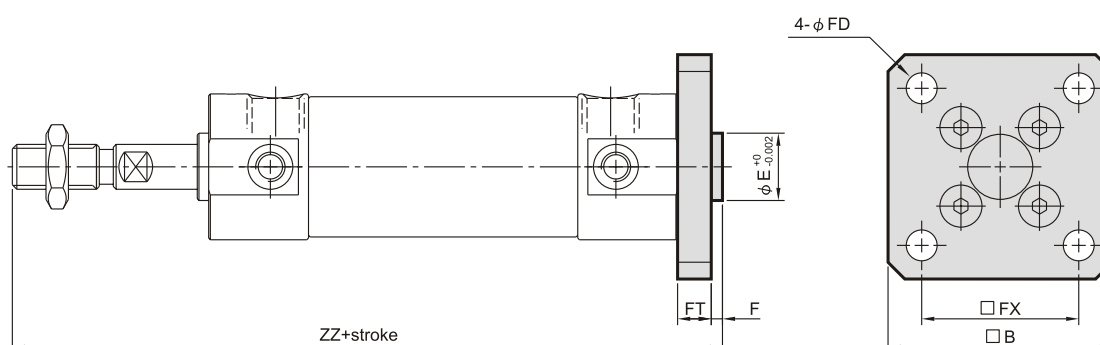
Code Tube I.D.	B	CD	CZ	L	RR	TE	TF	TH	TT	TV	TW	TX	TY	TZ	Z	ZZ
20	1.50	0.315	1.14	0.55	0.43	0.394	0.22	0.98	0.13	1.41	1.65	0.63	1.10	1.71	4.27 (4.58)	5.10 (5.41)
25	1.79	0.394	1.30	0.63	0.51	0.394	0.22	1.18	0.13	1.57	1.65	0.79	1.10	1.89	4.47 (4.78)	5.30 (5.61)
32	2.13	0.472	1.57	0.79	0.59	0.394	0.26	1.38	0.18	1.94	1.89	0.87	1.10	2.34	5.22 (5.53)	6.16 (6.47)
40	2.50	0.551	1.93	0.87	0.71	0.394	0.26	1.57	0.18	2.30	2.20	1.18	1.18	2.81	5.57 (5.93)	6.67 (7.03)
50	3.11	0.630	2.36	0.98	0.79	0.787	0.35	1.97	0.24	2.85	2.52	1.42	1.42	3.39	6.59 (6.91)	7.85 (8.17)
63	3.78	0.709	2.91	1.18	0.87	0.787	0.43	2.36	0.31	3.56	2.91	1.81	1.81	4.15	6.79 (7.11)	8.25 (8.57)

(): Dimension for long stroke.

FAC



FBC



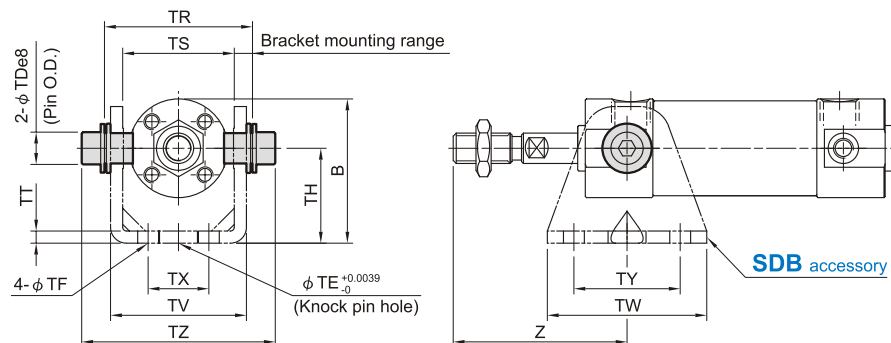
Unit: inch

Code Tube I.D.	B	E	F	FX	FD	FT	ZZ
20	1.57	0.472	0.08	1.10	0.22	0.24	4.04 (4.35)
25	1.73	0.551	0.08	1.26	0.22	0.28	4.20 (4.51)
32	2.09	0.709	0.08	1.50	0.26	0.28	4.79 (5.10)
40	2.40	0.984	0.08	1.81	0.26	0.31	5.09 (5.45)
50	2.99	1.181	0.08	2.28	0.35	0.35	6.04 (6.36)
63	3.62	1.260	0.08	2.76	0.43	0.35	6.04 (6.36)

(): Dimension for long stroke.

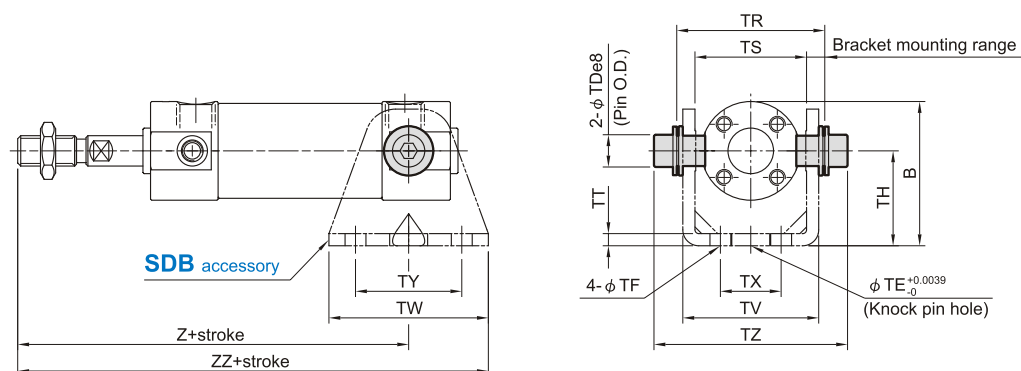
TA

Front trunnion



TB

Rear trunnion

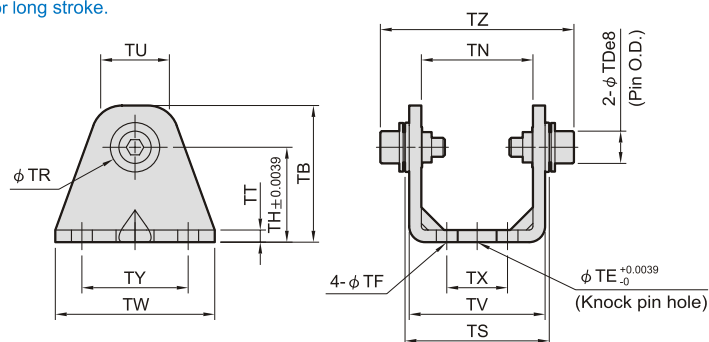


Unit: inch

Code Tube I.D.	B	TDe8	TE	TF	TH	TR	TS	TT	TV	TW	TX	TY	TZ	Front	Rear	
														Z	Z	ZZ
20	1.50	0.315	0.394	0.22	0.98	1.54	1.14	0.13	1.41	1.65	0.63	1.10	2.00	1.43	3.29 (3.60)	4.12 (4.43)
25	1.79	0.394	0.394	0.22	1.18	1.69	1.30	0.13	1.57	1.65	0.79	1.10	2.27	1.55	3.41 (3.72)	4.24 (4.55)
32	2.13	0.472	0.394	0.26	1.38	2.11	1.57	0.18	1.94	1.89	0.87	1.10	2.88	2.06	4.04 (4.35)	4.98 (5.29)
40	2.50	0.551	0.394	0.26	1.57	2.54	1.93	0.18	2.30	2.20	1.18	1.18	3.52	2.10	4.31 (4.67)	5.41 (5.77)
50	3.11	0.630	0.787	0.35	1.97	3.15	2.36	0.24	2.85	2.52	1.42	1.42	4.29	2.58	5.14 (5.46)	6.40 (6.72)
63	3.78	0.709	0.787	0.43	2.36	3.86	2.91	0.31	3.56	2.91	1.81	1.81	5.15	2.58	5.14 (5.46)	6.60 (6.92)

(): Dimension for long stroke.

SDB



Unit: inch

Code Tube I.D.	TB	TE	TF	TH	TN	TR	TT	TU	TV	TW	TX	TY	TS	TZ	Applicable pin O.D.
20	1.42	0.394	0.22	0.98	1.15	0.51	0.13	0.71	1.41	1.65	0.63	1.10	1.50	2.00	0.315 -0.0016 -0.0030
25	1.69	0.394	0.22	1.18	1.30	0.59	0.13	0.81	1.57	1.65	0.79	1.10	1.65	2.27	0.394 -0.0016 -0.0030
32	1.97	0.394	0.26	1.38	1.59	0.67	0.18	0.93	1.94	1.89	0.87	1.10	2.06	2.88	0.472 -0.0020 -0.0037
40	2.28	0.394	0.26	1.57	1.94	0.83	0.18	1.07	2.30	2.20	1.18	1.18	2.50	3.52	0.551 -0.0020 -0.0037
50	2.76	0.787	0.35	1.97	2.38	0.94	0.24	1.17	2.85	2.52	1.42	1.42	3.10	4.29	0.630 -0.0020 -0.0037
63	3.23	0.787	0.43	2.36	2.94	1.02	0.31	1.35	3.56	2.91	1.81	1.81	3.80	5.15	0.709 -0.0020 -0.0037