

Air Cylinder






Series CA2

ø40, ø50, ø63, ø80, ø100

Standard cylinder with a rectangular cover and tie-rods



Series Variations

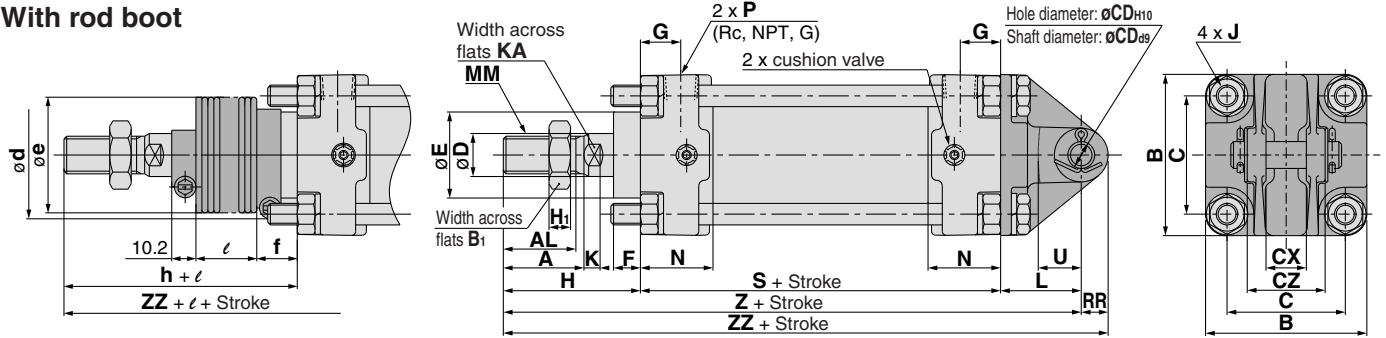
Series	Type	Bore size (mm)	Standard variations				Page
			With rod boot	Clean Series	Copper/Fluorine-free	Water resistant	
Standard Series CA2 	Single rod Series CA2	40-50 63-80 100	(For ø40 and ø63 only)				P.356
	Double rod Series CA2W						P.368
Standard/Non-rotating rod Series CA2K 	Single rod Series CA2K	40 50 63					P.373
	Double rod Series CA2KW	P.377					
Low friction Series CA2□Q 	Use the new "Smooth Cylinder Series CA2Y " to realize dual-side low friction and low-speed operation. (Refer to Best Pneumatics No. 3.)					P.381	
End lock Series CBA2 	Single rod Series CBA2	40-50 63-80 100					P.382
Air-hydro Series CA2□H 	Single rod Series CA2□H	40-50 63-80 100					P.388
	Double rod Series CA2□WH		P.396				

- CJ1
- CJP
- CJ2
- CM2
- CG1
- MB
- MB1
- CA2**
- CS1
- CS2

- D-□
- X□
- Individual -X□
- Technical data

Double Clevis Style: CA2D

With rod boot



* Double clevis and double knuckle joint types are packed with pins and retaining rings.

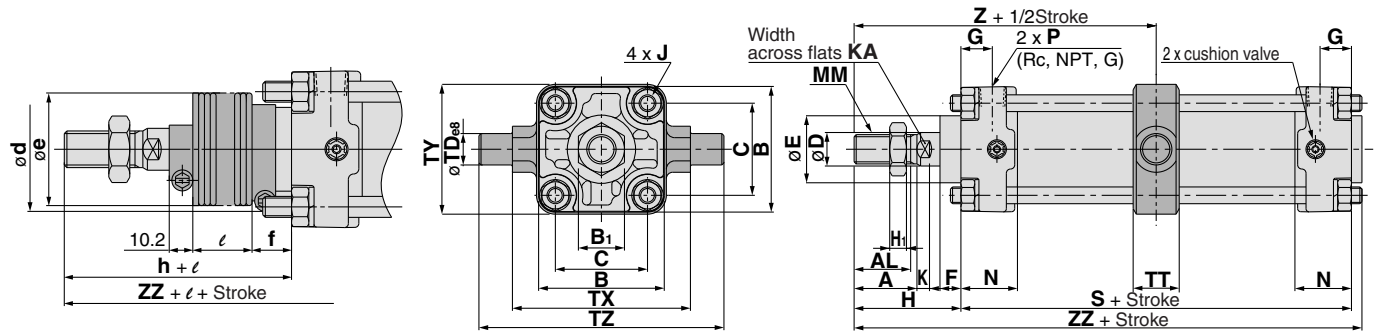
Bore size (mm)	Stroke range (mm)		A	AL	B	B ₁	C	CD	CX	CZ	D	E	F	G	H ₁	J	K	KA
	Without rod boot	With rod boot																
40	Up to 500	20 to 500	30	27	60	22	44	10 ^{+0.058} ₀	15.0 ^{+0.3} _{0.1}	29.5	16	32	10	15	8	M8 x 1.25	6	14
50	Up to 600	20 to 600	35	32	70	27	52	12 ^{+0.070} ₀	18.0 ^{+0.3} _{0.1}	38	20	40	10	17	11	M8 x 1.25	7	18
63	Up to 600	20 to 600	35	32	85	27	64	16 ^{+0.070} ₀	25.0 ^{+0.3} _{0.1}	49	20	40	10	17	11	M10 x 1.25	7	18
80	Up to 750	20 to 750	40	37	102	32	78	20 ^{+0.084} ₀	31.5 ^{+0.3} _{0.1}	61	25	52	14	21	13	M12 x 1.75	10	22
100	Up to 750	20 to 750	40	37	116	41	92	25 ^{+0.084} ₀	35.5 ^{+0.3} _{0.1}	64	30	52	14	21	16	M12 x 1.75	10	26

Bore size (mm)	L	MM	N	P	RR	S	U	Without rod boot			With rod boot						
								H	Z	ZZ	d	e	f	h	ℓ	Z	ZZ
40	30	M14 x 1.5	27	1/4	10	84	16	51	165	175	56	43	11.2	59	1/4 stroke	173	183
50	35	M18 x 1.5	30	3/8	12	90	19	58	183	195	64	52	11.2	66	1/4 stroke	191	203
63	40	M18 x 1.5	31	3/8	16	98	23	58	196	212	64	52	11.2	66	1/4 stroke	204	220
80	48	M22 x 1.5	37	1/2	20	116	28	71	235	255	76	65	12.5	80	1/4 stroke	244	264
100	58	M26 x 1.5	40	1/2	25	126	36	72	256	281	76	65	14.0	81	1/4 stroke	265	290

* Packed with clevis pin, flat washer and cotter pin.

Center Trunnion Style: CA2T

With rod boot



Bore size (mm)	Stroke range (mm)		A	AL	B	B ₁	C	D	E	F	G	H ₁	J	K	KA	MM	N	P
	Without rod boot	With rod boot																
40	Up to 500	20 to 500	30	27	60	22	44	16	32	10	15	8	M8 x 1.25	6	14	M14 x 1.5	27	1/4
50	Up to 600	20 to 600	35	32	70	27	52	20	40	10	17	11	M8 x 1.25	7	18	M18 x 1.5	30	3/8
63	Up to 600	20 to 600	35	32	85	27	64	20	40	10	17	11	M10 x 1.25	7	18	M18 x 1.5	31	3/8
80	Up to 750	20 to 750	40	37	102	32	78	25	52	14	21	13	M12 x 1.75	10	22	M22 x 1.5	37	1/2
100	Up to 750	20 to 750	40	37	116	41	92	30	52	14	21	16	M12 x 1.75	10	26	M26 x 1.5	40	1/2

Bore size (mm)	S	TDe8	TT	TX	TY	TZ	Without rod boot			With rod boot						
							H	Z	ZZ	d	e	f	h	ℓ	Z	ZZ
40	84	15 ^{+0.032} _{0.059}	22	85	62	117	51	93	140	56	43	11.2	59	1/4 stroke	101	148
50	90	15 ^{+0.032} _{0.059}	22	95	74	127	58	103	154	64	52	11.2	66	1/4 stroke	111	162
63	98	18 ^{+0.032} _{0.059}	28	110	90	148	58	107	162	64	52	11.2	66	1/4 stroke	115	170
80	116	25 ^{+0.040} _{0.073}	34	140	110	192	71	129	194	76	65	12.5	80	1/4 stroke	138	203
100	126	25 ^{+0.040} _{0.073}	40	162	130	214	72	135	206	76	65	14.0	81	1/4 stroke	144	215

* Do not disassemble the trunnion style. Refer to page 407.

CJ1

CJP

CJ2

CM2

CG1

MB

MB1

CA2

CS1

CS2

D-□

-X□

Individual -X□

Technical data