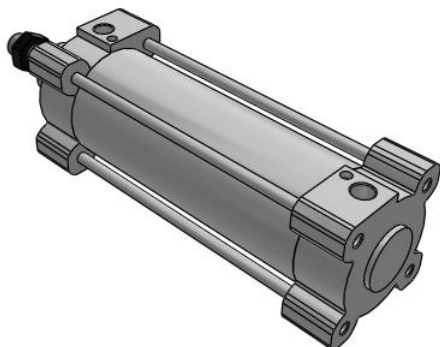




C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB80-160C

Datasheet

General series information

- Double acting, Smooth Cylinder, single rod
- Bore sizes (mm): 32, 40, 50, 63, 80, 100
- Standard stroke up to 500mm, maximum stroke 1000mm
- Auto switch capable



Double-acting, single-rod cylinder

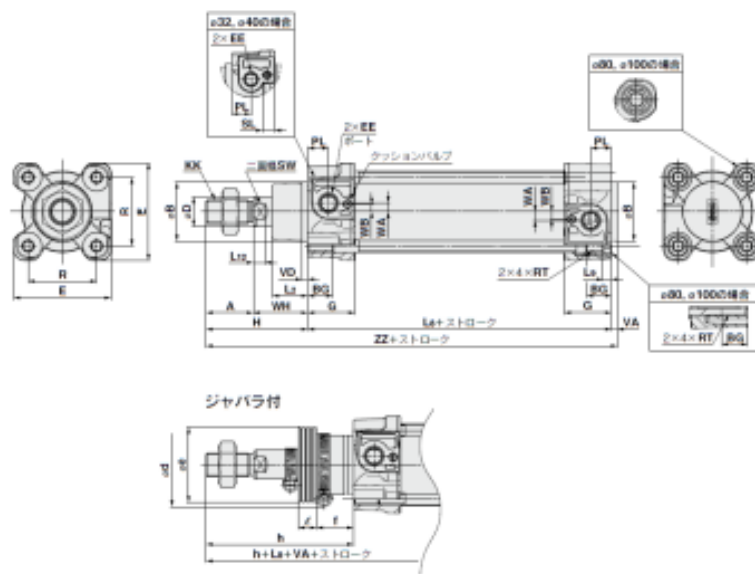
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø80 mm
Stroke	160
Auto Switch	No Switch
Lead Wire or Pre-wired Connector	0.5 m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Rod End Options	None
Pressure medium	Compressed air
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C (no freezing)
Maximum operating pressure	0.7 MPa
Minimum operating pressure	0.01 MPa
Proof pressure	1.05 MPa
Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-10 °C (no freezing)
Number of pneumatic connections	2 pcs.
Pneumatic input connection	G 3/8
Pneumatic exhaust connection	G 3/8

Mode of operation of drive	Double acting
Maximum piston speed	500 mm/s
Type of cushioning	Bumper cushion
Piston rod end	Male-thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M20 x 1.5
Minimum piston speed	50 mm/s
Weight	4.942 Kg

Dimensions

基本形 : C96S (D) B チューブ内径 = ストローク C (J)



チューブ 内径 (mm)	ストローク範囲 (mm)	A	B	C	D	E	F	G	H	I	J	K	L	L ₁	L ₂	L ₃	PL	RT	SL	SW	VA	VD	WA	WB	WZ	Z
外径 (mm)	圧力範囲 (MPa)																									
32	~1800	~1000	22	30	16	12	47	6.1/8	20.9	48	M12×1.25	15	94	4	6	13	32.5	M6×1	8	10	4	4	4	7	26	14
40	~1800	~1000	24	35	16	16	54	6.1/4	32.6	54	M12×1.25	17	105	4	6.5	14	38	M6×1	8	13	4	4	5	8.9	30	16
50	~1800	~1000	32	40	16	20	66	6.1/4	32	69	M16×1.5	24	106	5	8	14	46.5	M8×1.25	—	17	4	4	6	5.1	37	17
63	~1800	~1000	32	45	16	20	77	6.3/8	38.6	66	M16×1.5	24	121	5	8	16	56.5	M8×1.25	—	17	4	4	9	6.3	37	19
80	~1800	~1200	40	45	17	25	96	6.3/8	38.4	86	M20×1.5	30	120	—	10	16	72	M12×1.5	—	22	4	4	11.5	6	46	21
100	~1800	~1000	40	55	17	25	118	6.1/2	42.9	91	M20×1.5	32	138	—	10	18	89	M12×1.5	—	22	4	4	17	10	51	23

※図例は圧力範囲とストローク範囲の最も小さい組み合わせを示しています。圧力範囲は1000MPa、ストローク範囲は1000mmです。

※取付支持形式がトランシオン形の場合、最小ストロークはチューブ内径32～60の場合0mm、100の場合5mm。

チューブ 内径 (mm)	ae	ad	f	1	51	101	151	201	301	401	501	601	701	801	901	1	51	101	151	201	301	401	501	601	701	801	901
32	36	54	23	12.5	25	37.5	50	75	100	125	150	175	200	225	250	75	88	100	113	138	163	188	213	238	263	288	313
40	36	54	23	12.5	25	37.5	50	75	100	125	150	175	200	225	250	75	88	100	113	138	163	188	213	238	263	288	313
50	51	64	25	12.5	25	37.5	50	75	100	125	150	175	200	225	250	87	100	112	125	150	175	200	225	250	275	300	325
63	51	64	25	12.5	25	37.5	50	75	100	125	150	175	200	225	250	87	100	112	125	150	175	200	225	250	275	300	325
80	56	68	30	12.5	25	37.5	50	75	100	125	150	175	200	225	250	103	116	128	141	166	191	216	241	266	291	316	341
100	56	76	32	12.5	25	37.5	50	75	100	125	150	175	200	225	250	103	116	128	141	166	191	216	241	266	291	316	341

Additional information

Catalogue

[C96-Bb_EU.pdf](#)