

C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB50-500C

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

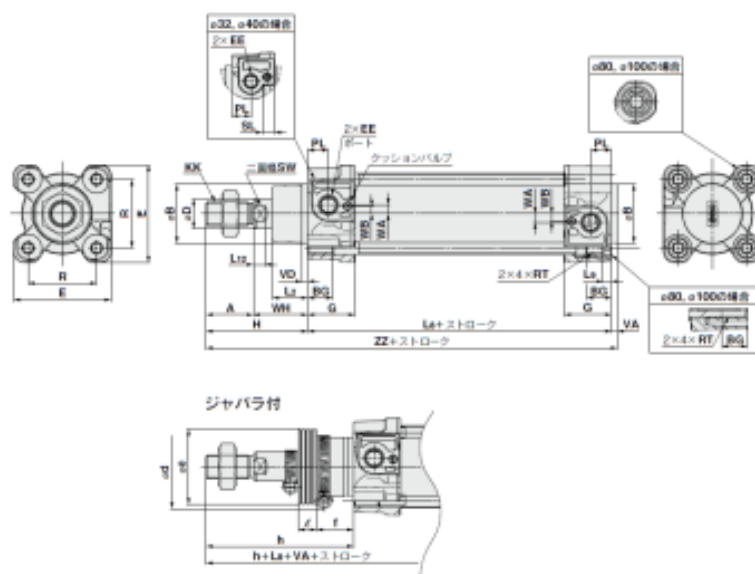
Standard specifications

Magnet	D (Built-in)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø50 mm
Stroke	500
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m [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 1/4
Pneumatic exhaust connection	G 1/8

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	M16 x 1.5
Minimum piston speed	50 mm/s
Weight	3.810 Kg

Dimensions

基本形：C96S(D)B チューブ内蔵→ストロー2 C(J)



チューブ 内径 (mm)	ストローノ径 (mm)	ストロー径 (mm)	A	B	CG	CE	G	H	KK	L	La	Ls	PL	RT	SL	SW	VA	VB	WB	WZ							
32	~1800	~1000	22	35	16	12	47	E 118	20.9	48	MP12-1.25	15	94	4	6	13	32.5	M6X1	1	8	10	4	4	7	26	14	
40	~1800	~1300	24	36	16	18	54	0.14	32.6	54	MP12-1.25	17	105	4	6.5	14	38	M8X1	1	8	13	4	4	5	8.9	30	16
50	~1800	~1300	32	41	20	20	66	0.18	32	69	MP14-1.25	24	105	3	8	14	46.5	M10X1.25	1	11	4	4	6	5	17	37	21
65	~1800	~1300	32	45	16	20	77	0.38	36.6	69	MP14-1.5	24	121	5	8	16	56.5	M10X1.25	17	4	4	4	9	6.3	17	39	21
80	~1800	~1200	40	45	16	25	92	0.39	38.4	66	MP16-1.25	32	120	10	10	16	73	M12X1.25	1	22	4	4	11.5	6	46	21	
100	~1800	~1000	40	55	17	26	116	0.14	42.9	91	MP18-1.25	32	136	19	10	18	89	M14X1.5	1	22	4	4	17	10	51	23	

※図中の単位は全て「mm」を示す単位。製品とストローとの適合は「チューブ外径」-「ストロー内径」の差を参照。
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*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32-80の場合3mm、100の場合5mm。

グループ No. (mm)	f															h														
	ae	ad	t	1	5	10	15	20	30	40	50	60	70	80	90	1	5	10	15	20	30	40	50	60	70	80	90			
32	56	54	23	12.5	25	37.5	50	75	100	125	150	175	200	225	250	75	68	100	113	138	163	188	213	238	263	288	313			
40	56	54	23	12.5	25	37.5	50	75	100	125	150	175	200	225	250	75	68	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	125	141	166	191	216	241	266	291	316	341			
100	56	70	32	12.5	25	37.5	50	75	100	125	150	175	200	225	250	103	116	125	141	166	191	216	241	266	291	316	341			

Additional information

Catalogue

[C96-Bb_EU.pdf](#)