



C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB100-800C

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

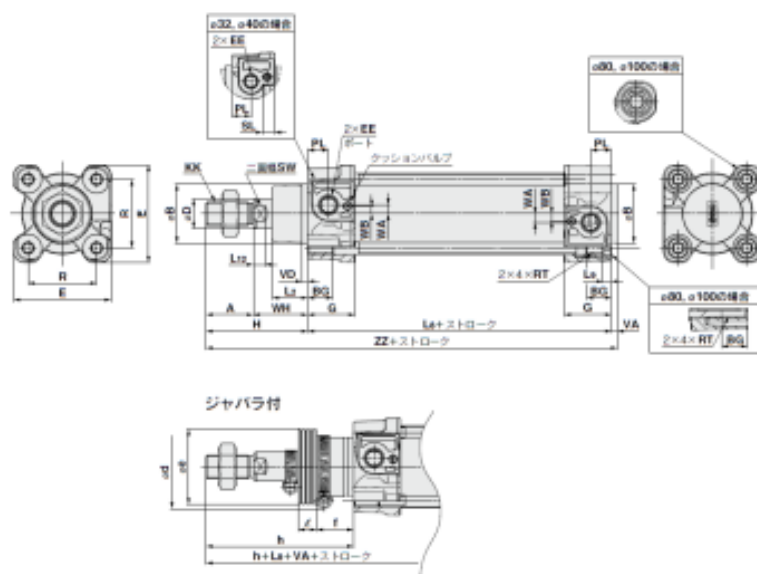
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø100 mm
Stroke	800
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 1/2
Pneumatic exhaust connection	G 1/2

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

Dimensions

基本形：C96S(D)B チューブ内蔵 - ストローク C(J)



チューブ 内径 単位:mm	ストローク範囲(ver.) 単位:mm	A	B	CG	CD	E	EE	G	H	KK	L	L2	L3	PL	R	RT	SL	SW	VA	VD	WA	WB	WZ	ZZ			
	単位:mm	単位:mm																									
32	~1800	~1000	22	30	16	32	47	61	68	26.9	48	88	125	15	94	4	6	3	32.5	M0x1	6	10	4	4	7	26	14
40	~1800	~1000	24	35	16	38	54	61	134	32.6	54	92	123	17	105	4	6.5	14	38	M0x1	6	13	4	4	8	30	16
50	~1800	~1000	26	40	16	38	66	114	32	66	61	114	135	18	114	4	8	14	46.5	M1x25	1	4	6	5	19	17	
65	~1800	~1000	32	45	16	30	77	63	39	38.6	69	100	151	24	121	5	8	9	56	M0x1x25	1	22	4	4	9	63	19
80	~1800	~1200	40	45	17	25	93	69	39	36	68	120	151	30	120	10	9	73	M1x15x25	1	27	4	4	11.5	6	46	21
100	~1800	~1000	40	55	17	25	116	61	112	42.9	91	100	151	32	136	10	9	89	M1x15x15	1	22	4	4	10	11	51	23

※図中の記号式が「ドラゴ」を含む図面、最も上とローウは1、2の順に32~80の範囲で表示
※「R」は「R」の範囲で表示

*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。

フェーズ [deg] [mm]	ae	ad	t	f																h																																	
				1	51	101	151	201	251	301	351	401	451	501	551	601	651	701	751	801	851	901	1	51	101	151	201	251	301	351	401	451	501	551	601	651	701	751	801	851	901												
32	54	23	12.5	25	37.5	50	75	100	125	150	175	200	225	250	75	88	100	113	128	143	158	173	233	263	288	31	51	101	151	201	251	301	351	401	451	501	551	601	651	701	751	801	851	901									
40	54	23	12.5	25	37.5	50	75	100	125	150	175	200	225	250	75	88	100	113	128	143	158	173	233	263	288	31	51	101	151	201	251	301	351	401	451	501	551	601	651	701	751	801	851	901									
50	51	64	25	12.5	25	37.5	50	75	100	125	150	175	200	225	250	87	100	112	125	139	155	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	800	825	850	875	900		
63	51	64	25	12.5	25	37.5	50	75	100	125	150	175	200	225	250	87	100	112	125	139	155	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	800	825	850	875	900		
86	68	30	12.5	25	37.5	50	75	100	125	150	175	200	225	250	103	116	128	141	156	171	186	199	216	234	249	269	291	316	341	366	391	416	441	466	491	516	541	566	591	616	641	666	691	716	741	766	791	816	841	866	891	916	
100	56	76	32	12.5	25	37.5	50	75	100	125	150	175	200	225	250	103	116	128	141	156	171	186	199	216	234	249	269	291	316	341	366	391	416	441	466	491	516	541	566	591	616	641	666	691	716	741	766	791	816	841	866	891	916

Additional information

Catalogue

[C96-Bb_EU.pdf](#)