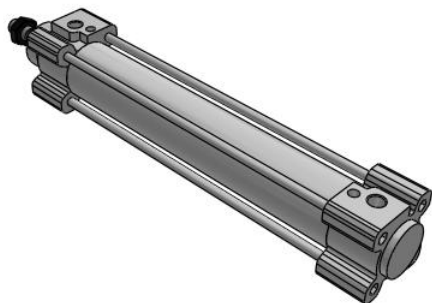




C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB32-160C

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

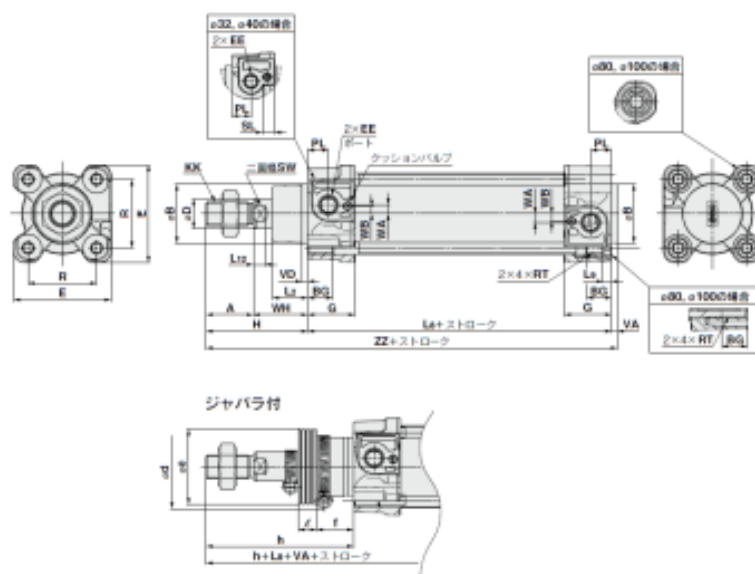
Standard specifications

Magnet	D (Built-in)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø32 mm
Stroke	160
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	0.02 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 1/8
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	M10 x 1.25
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	6.1	18	26.9	48	110	1.25	15	94	4	6	3	32.5	MX1-1	6	10	4	4	7	26	14
40	~1800	~1000	24	35	16	38	54	6.1	14	32.6	54	112	1.25	17	105	4	6.5	14	38	MX1-1	6	13	4	4	8	30	16
50	~1800	~1000	26	40	16	46	61	11.6	33	39	61	114	1.3	19	118	4	8	14	46.5	MX1-2	15	17	4	6	5.9	17	
65	~1800	~1000	32	45	16	50	77	6.3	39	38.6	69	116	1.5	24	121	5	9	16	56.5	MX1-2S	15	22	4	4	9	6.3	17
80	~1800	~1200	40	45	17	55	92	9.9	39	38.6	86	120	1.5	30	126	10	9	73	113.5	1-2	17	4	4	11.5	6	46	21
100	~1800	~1000	40	55	17	55	116	6.1	102	42.9	91	120	1.5	32	136	19	10	89	MX1-1.5	15	22	4	4	1.0	51	23	

※図中の単位式が「mm」でない場合は、単位と「mm」を省略し、単位はmmとする。
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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。

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
80	66	68	30	12.5	25	37.5	50	75	100	125	150	175	200	225	250	103	116	125	141	156	171	216	241	266	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	125	141	156	171	216	241	266	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](#)