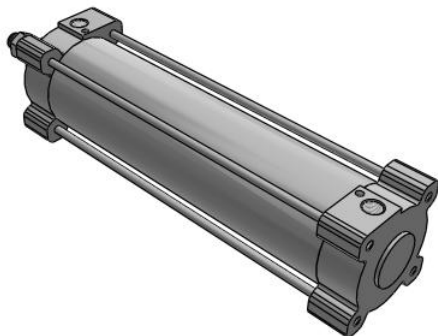




C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB100-320C

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

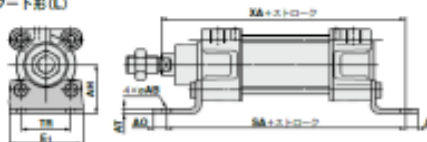
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø100 mm
Stroke	320
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
Weight	6.477 Kg

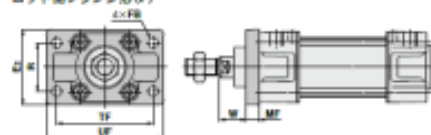
Dimensions

軸方向ポート形 (L)



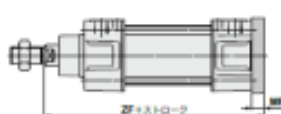
ポート 径 (mm)	E	TRA	HA	IA	T	SA	XA
32	48	32	32	104	5	T	142/144
40	50	36	36	114	5	T	157/163
50	56	45	45	125	5	T	170/175
63	63	52	52	135	5	T	182/186
80	69	63	63	146	5	T	210/215
100	75	75	75	166	5	T	232/236
125	85	85	85	186	5	T	250/270

ロッド側フランジ形 (F)



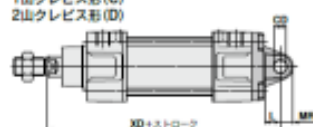
ポート 径 (mm)	R	TF	FB	E	UF	W	MF
32	32	64	7	52	78	16	10
40	36	72	8	55	90	20	10
50	45	90	9	70	110	25	12
63	50	100	9	80	120	25	12
80	60	120	12	100	150	30	16
100	75	150	14	120	175	32	16
125	90	180	16	150	210	40	20

ヘッド側フランジ形 (G)

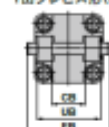


ポート 径 (mm)	MF	ZF
32	10	130
40	10	145
50	12	155
63	12	170
80	15	190
100	18	205
125	20	245

1山クレービス形 (C)



1山クレービス形 (C)

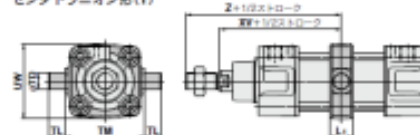


2山クレービス形 (D)



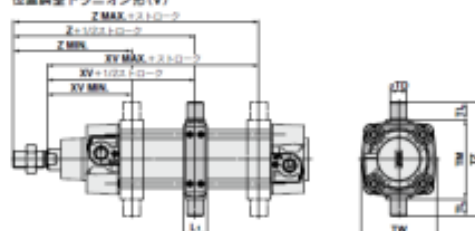
ポート 径 (mm)	EW	CD	L	MR	XD	UR	CR	EB
32	25	10	12	9.5	42	45	20	45
40	28	12	15	12	48	50	25	50
50	32	15	17	15	55	60	32	60
63	35	18	20	18	65	70	40	70
80	40	22	25	22	80	85	50	85
100	50	28	32	28	100	105	60	105
125	60	35	40	35	125	130	70	130

センタラニオン形 (T)



ポート 径 (mm)	TM	TL	TD	UL	XV	Z
32	58	12	12	48	17	25
40	63	16	16	53	22	30
50	75	16	16	65	25	35
63	85	20	20	75	30	40
80	100	25	25	90	35	50
100	120	30	30	110	40	60
125	150	35	35	140	50	75

位置調整トラニオン形 (V)



ポート 径 (mm)	TM	TL	TD	UL	XV	Z
32	58	12	12	48	17	24
40	63	16	16	53	22	28
50	75	16	16	65	25	32
63	85	20	20	75	30	38
80	100	25	25	90	35	45
100	120	30	30	110	40	55
125	150	35	35	140	50	70

ポート 径 (mm)	最小値	標準値	最大値	寸法	寸法	寸法
	XV	Z	XV	Z	XV	Z
32	82.0	85.0	73	85	82.0	85.0
40	92.0	95.0	82	95	92.0	95.0
50	102.0	105.0	92	105	102.0	105.0
63	112.0	115.0	102	115	112.0	115.0
80	122.0	125.0	112	125	122.0	125.0
100	132.0	135.0	122	135	132.0	135.0
125	142.0	145.0	132	145	142.0	145.0

Additional information

Catalogue

[C96-Bb_EU.pdf](#)