

C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB40-320C

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

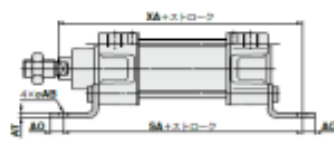
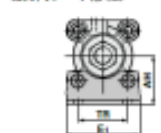
Standard specifications

Magnet	D (Built-in)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø40 mm
Stroke	320
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 1/4
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	M12 x 1.25
Minimum piston speed	50 mm/s

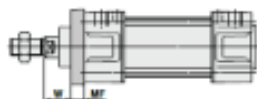
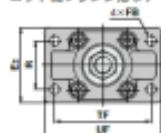
Dimensions

軸方向フット形(L)



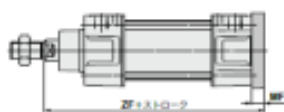
E: TRANSACT AG ISAXA	
30	48332.52104457
40	56280.2807114500
50	65445.451725500
60	75963.603731500
70	88045.5623731500
80	100983.637446582
100	129175.717596586
125	150500.85

ロッド側フランジ形(F)



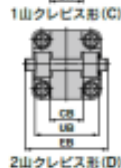
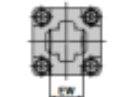
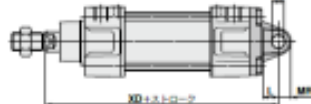
		(mm)						
$\frac{P}{A}$ (mm)		R	TF	FB	E ₂	UF	WF	MF
32		32	64	7	50	78	16	10
40		36	72	9	55	90	20	10
50		44	88	9	70	110	26	12
63		50	100	9	80	130	25	12
80		63	126	12	100	160	30	16
100		75	150	14	120	180	36	16
125		90	180	16	150	225	45	20

ヘッド側フランジ形 (G)



Size (mm)	MF	ZF
32	10	130
40	10	145
50	12	155
63	12	170
80	16	190
100	16	205
125	20	245

1山クレビス形(C)
2山クレビス形(D)



$\frac{V}{V_0} = \frac{V}{V_{0,0}}$	EW	CD	L	MR	XD	UR	CR	ED
(mm)		(mm)				(mm)	(mm)	
32	26.14	1.0	1.2	9.5	143	45	26	65
40	28.1	1.2	1.6	12	160	57	29	75
50	32.7	1.2	1.5	12	170	60	32	80
63	40.1	1.6	2.0	16	190	75	40	90
80	50.1	1.6	2.0	16	210	90	50	110
100	60.1	2.0	2.5	20	230	110	60	140
125	70.1	2.5	3.0	25	275	130	70	160

センタトラニオン形(T)

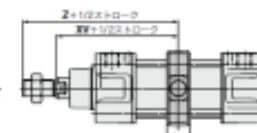
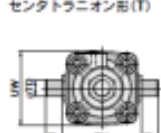
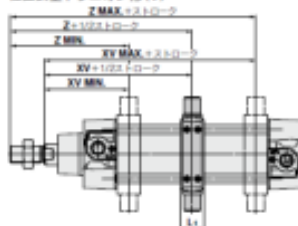


チャート 種別 (項目)	TMTL	TD 60	JWL	XV	Z
32	58.12	5.2	49.17	73	98
40	63.16	56	51.23	62.5	100
50	73.16	50	71.23	50	123
63	60.25	30	81	50	129
80	118	20	130	110	150
100	132	25	130	102	160
135	160	25	130	102	160

位置調整トランジオン形(V)



Factor	TM	TL	TL _{all}	TW	L _i	TZ
32	50	12	12	48	13	34
40	63	16	16	58	22	46
50	75	16	16	71	22	57
63	82	20	20	85	28	72
80	110	20	20	118	34	100
100	137	25	25	139	44	128
125	160	25	25	160	50	150

タイプ 径 (mm)	最小値		中央値		最大値		平均値 (mm)
	MIN	MIN	AV	Z	MAX	MAX	
92	63.6	85.4	73	85	82.6	104.6	5700
40	73.6	97.6	82.5	106.5	90.6	114.6	5200
60	80	112	90	122	100	132	10800
80	89.6	121.6	97.5	129.5	105.6	137.6	10400
90	97.6	137.6	110	160	122.5	162.5	76300
100	113.6	153.6	120	160	126.5	166.5	25300
125	148	202	148	201	147	190	42700

Additional information

Catalogue

[C96-Bb_EU.pdf](#)