

C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB50-320C

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

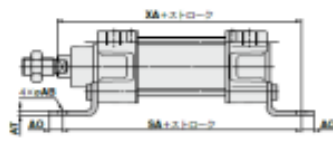
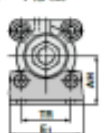
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø50 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 1/4
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	2.311 Kg

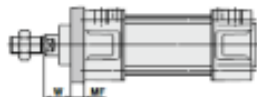
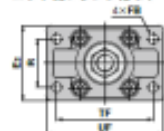
Dimensions

軸方向ポート形 (L)



シリーズ P16 (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	185/195
80	68	63	63	146	5	T	210/215
100	75	75	75	166	5	T	235/245
125	85	85	85	186	5	T	255/270

ロッド側フランジ形 (F)



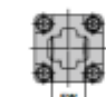
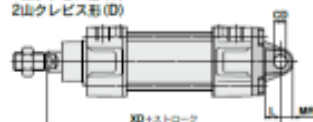
シリーズ P16 (mm)	R	TF	FB	E1	WF	W	MF
32	32	64	7	52	78	16	10
40	36	72	9	55	90	20	10
50	45	90	9	70	110	25	12
63	50	100	9	80	120	25	12
80	63	120	12	100	140	30	16
100	75	150	14	120	170	35	16
125	90	180	16	140	200	40	20

ヘッド側フランジ形 (G)

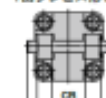


シリーズ P16 (mm)	MF	ZF
32	10	130
40	10	145
50	12	155
63	12	170
80	16	190
100	16	205
125	20	245

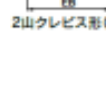
1山クレス形 (C)



1山クレス形 (C)

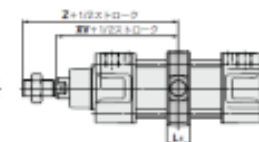
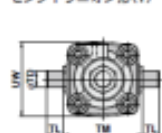


2山クレス形 (D)



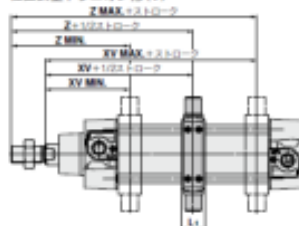
シリーズ P16 (mm)	E1	CD	L	MR	XD	W	CR	EB
32	25	10	12	9.5	40	20	45	45
40	25	12	15	12	50	25	55	55
50	25	12	15	12	50	30	60	60
63	30	15	20	15	50	35	65	65
80	30	12	16	20	15	210	90	110
100	30	12	20	25	20	230	110	130
125	30	12	25	30	25	250	130	150

センタラニオン形 (T)



シリーズ P16 (mm)	TM	TL	TD	W	L	XV	Z
32	58	12	12	48	17	73	25
40	63	16	16	58	22	82	30
50	75	16	16	71	25	98	32
63	86	20	20	81	28	107	35
80	118	20	20	110	34	119	40
100	135	25	25	130	40	138	45
125	155	25	25	150	45	158	50

位置調整ラニオン形 (V)



シリーズ P16 (mm)	TM	TL	TD	W	L	TZ
32	58	12	12	48	17	24
40	63	16	16	58	22	26
50	75	16	16	71	25	27
63	86	20	20	81	28	30
80	118	20	20	110	34	35
100	135	25	25	130	40	40
125	155	25	25	150	45	45

シリーズ P16 (mm)	幅寸法 MIN	幅寸法 MAX	高さ寸法 MIN	高さ寸法 MAX	長さ寸法 MIN	長さ寸法 MAX	ラニオン 寸法
32	82.0	85.4	73	85	82.0	154.0	5300%
40	73.0	87.0	82	95	80.0	154.0	2300%
50	80	112	90	122	120	137	1000%
63	80.0	121.0	97	125	125	137	1000%
80	97.0	137.0	110	150	127	162	26100%
100	113.0	153.0	120	160	136	166	25100%
125	148	202	145	201	147	190	42700%

Additional information

Catalogue

[C96-Bb_EU.pdf](#)