



C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB32-320C

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

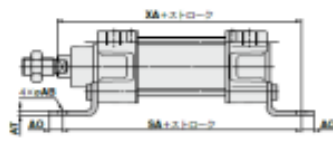
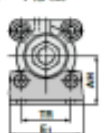
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø32 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	0.02 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

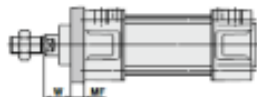
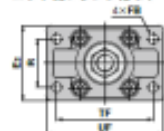
Dimensions

軸方向ポート形 (L)



シリーズ P16 (mm)	E・TRAHAIOAT/AS/SA/XA									
32	48	32	32	104	5	T	142	144		
40	50	36	36	114	5	T	157	158		
50	56	45	45	125	5	T	170	175		
63	63	52	52	135	5	T	185	186		
80	68	63	63	146	5	T	210	215		
100	75	70	70	158	5	T	230	232		
125	85	80	80	168	5	T	250	270		

ロッド側フランジ形 (F)



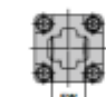
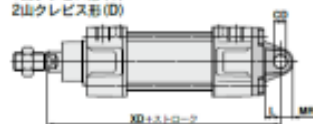
シリーズ P16 (mm)	R	TF	FB	E1	W	MF
32	32	64	7	52	78	16
40	36	72	8	55	90	20
50	45	90	9	70	110	25
63	52	100	10	80	125	32
80	63	120	12	100	150	40
100	75	150	14	120	175	50
125	90	180	16	150	210	60

ヘッド側フランジ形 (G)

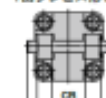


シリーズ P16 (mm)	MF	ZF
32	10	130
40	10	145
50	12	155
63	12	170
80	15	190
100	18	205
125	20	245

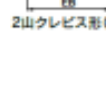
1山クレス形 (C)



1山クレス形 (C)

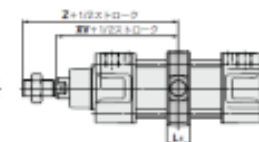
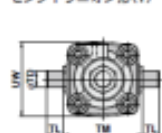


2山クレス形 (D)



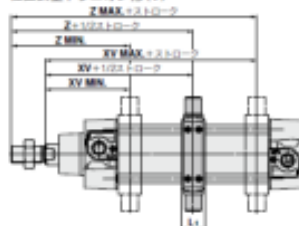
シリーズ P16 (mm)	EW	CD	L	MR	XD	UR	CR	EB
32	25	10	12	9.5	42	20	45	
40	28	12	15	12	50	25	55	
50	32	15	17	15	60	32	65	
63	35	18	20	18	70	40	75	
80	40	22	25	22	85	50	90	
100	45	28	30	28	100	60	110	
125	50	35	35	35	120	75	130	

センタラニオン形 (T)



シリーズ P16 (mm)	TM	TL	TD	W	L1	L2	Z
32	58	12	12	48	17	17	26
40	63	16	16	58	22	22	32
50	75	16	16	71	25	25	40
63	86	20	20	83	30	30	50
80	118	20	20	110	34	34	60
100	135	25	25	130	40	40	75
125	158	25	25	150	45	45	90

位置調整ラニオン形 (V)



シリーズ P16 (mm)	TM	TL	TD	W	L1	L2	Z
32	58	12	12	48	17	17	24
40	63	16	16	58	22	22	30
50	75	16	16	71	25	25	37
63	86	20	20	83	30	30	45
80	110	20	20	110	34	34	55
100	130	25	25	130	40	40	65
125	150	25	25	150	45	45	75

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	87.0	105.0	80.0	175.0	2300%
50	80	112	90	122	120	177	1000%
63	80.0	121.0	97.0	129.0	125.0	177.0	1000%
80	97.0	137.0	110	150	127.0	182.0	2610%
100	113.0	153.0	120	160	136.0	186.0	2510%
125	148	202	145	201	142	190	42700%

Additional information

Catalogue

[C96-Bb_EU.pdf](#)