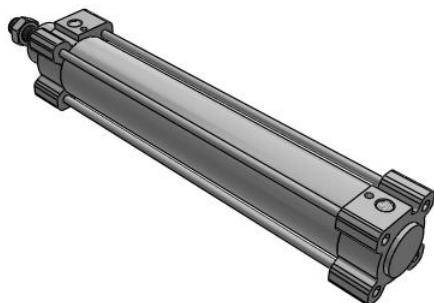




C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB50-250C

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

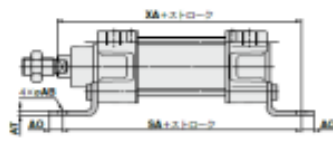
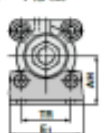
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø50 mm
Stroke	250
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

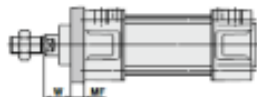
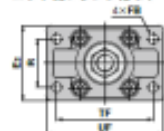
Dimensions

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	142	144
40	50	36	36	114	5	157	158
50	56	40	40	125	5	170	175
63	63	45	45	135	5	186	196
80	68	50	50	146	5	210	215
100	75	55	55	158	5	232	238
125	85	63	63	170	5	250	270

ロッド側フランジ形 (F)



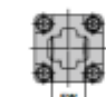
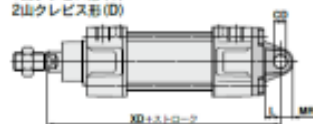
シリーズ P16 (mm)	R	TF	FB	E1	W	MF
32	32	64	7	50	78	16
40	36	72	8	55	90	20
50	40	80	9	60	102	24
63	45	90	10	65	114	28
80	50	100	11	70	126	32
100	55	110	12	75	138	36
125	63	125	14	85	150	40

ヘッド側フランジ形 (G)

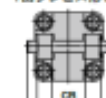


シリーズ P16 (mm)	MF	ZF
32	10	130
40	10	140
50	12	155
63	12	170
80	15	190
100	18	205
125	20	245

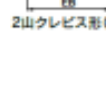
1山クレス形 (C)



1山クレス形 (C)

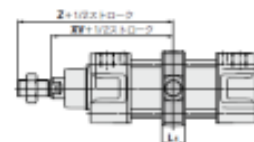
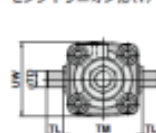


2山クレス形 (D)



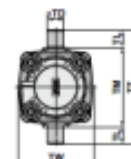
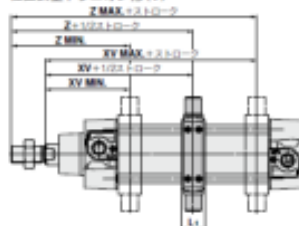
シリーズ P16 (mm)	E1	W	CD	L	MR	XD	UR	CR	EB
32	25	10	1.2	9.5	142	45	20	45	
40	25	12	1.5	12	157	50	20	45	
50	25	12	1.5	12	170	55	20	45	
63	25	12	1.5	12	186	60	20	45	
80	25	12	1.5	12	210	65	20	45	
100	25	12	1.5	12	232	70	20	45	
125	25	12	1.5	12	250	75	20	45	

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	73	26
40	63	14	14	50	22	82	30
50	70	16	16	55	25	90	32
63	78	18	18	60	28	100	36
80	85	20	20	65	32	110	40
100	95	22	22	70	36	120	44
125	105	25	25	75	40	130	48

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	74	26
40	63	14	14	50	22	86	30
50	70	16	16	55	25	92	32
63	78	18	18	60	28	102	36
80	85	20	20	65	32	112	40
100	95	22	22	70	36	122	44
125	105	25	25	75	40	132	48

シリーズ P16 (mm)	最小値 MIN	標準値 Z	最大値 MAX	最小値 MIN	標準値 Z	最大値 MAX	ラニオン 90度
32	82.0	85.4	73	85	82.0	154.0	±0.00%
40	73.0	87.0	75	87	73.0	154.0	±0.00%
50	80	112	80	112	80	154.0	±0.00%
63	80.0	121.0	87	121	80.0	154.0	±0.00%
80	87.0	137.0	100	137	87.0	154.0	±0.00%
100	113.0	153.0	120	153	113.0	154.0	±0.00%
125	148	202	145	201	147	190	±0.00%

Additional information

Catalogue

[C96-Bb_EU.pdf](#)