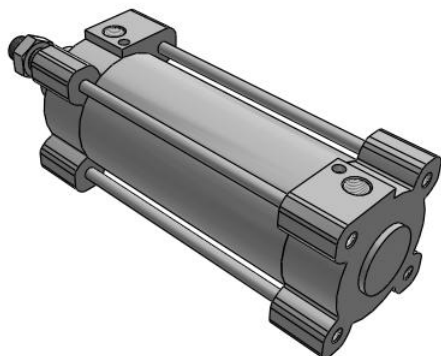




C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB80-125C

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

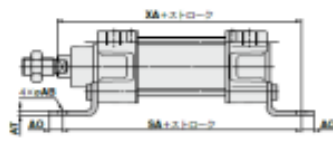
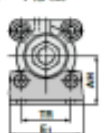
Standard specifications

Magnet	D (Built-in Magnet)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø80 mm
Stroke	125
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 3/8
Pneumatic exhaust connection	G 3/8

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	M20 x 1.5
Minimum piston speed	50 mm/s
Weight	3.320 Kg

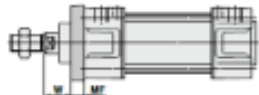
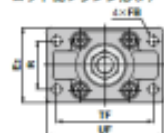
Dimensions

軸方向ポート形 (L)



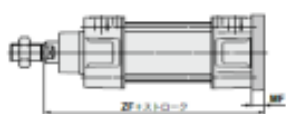
シリーズ P16 (mm)	E	TRA	HA	IA	T	SA	XA
32	48	32	32	104	5	T	142/144
40	50	36	36	114	5	T	157/163
50	56	40	40	125	5	T	170/175
63	63	45	45	135	5	T	185/195
80	68	50	50	146	5	T	210/215
100	75	55	55	158	5	T	235/245
125	85	63	63	168	5	T	250/270

ロッド側フランジ形 (F)



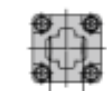
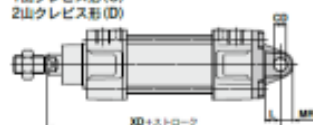
シリーズ P16 (mm)	R	TF	FB	E1	W	MF
32	32	64	7	50	78	16/10
40	36	72	8	55	90	20/10
50	40	80	9	60	102	24/12
63	45	90	10	65	114	28/12
80	50	100	11	70	126	32/16
100	60	120	12	80	150	36/16
125	70	140	14	90	175	40/20

ヘッド側フランジ形 (G)

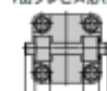


シリーズ P16 (mm)	MF	ZF
32	10	130
40	10	145
50	12	155
63	12	170
80	15	190
100	18	205
125	20	245

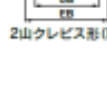
1山クレス形 (C)



1山クレス形 (C)

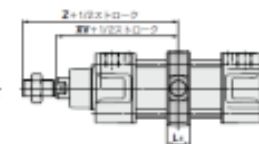
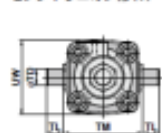


2山クレス形 (D)



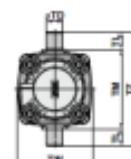
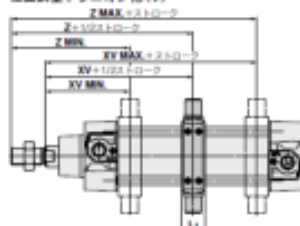
シリーズ P16 (mm)	E1	W	CD	L	MR	XD	UR	CR	EB
32	25	10	1.2	9.5	142	45	20	45	
40	28	12	1.5	12	162	50	25	50	
50	32	15	1.7	15	182	55	30	55	
63	36	18	2.0	18	202	60	35	60	
80	40	22	2.2	22	222	65	40	65	
100	45	28	2.5	28	242	70	45	70	
125	50	35	3.0	35	262	75	50	75	

センタラニオン形 (T)



シリーズ P16 (mm)	TM	TL	TD	UL	XV	Z
32	58	12	12	48	17	25
40	63	14	14	53	20	28
50	70	16	16	60	23	32
63	78	18	18	68	26	36
80	88	20	20	78	30	40
100	100	25	25	90	36	48
125	115	30	30	105	42	56

位置調整ラニオン形 (V)



シリーズ P16 (mm)	TM	TL	TD	UL	XV	Z
32	58	12	12	48	17	24
40	63	14	14	53	20	26
50	70	16	16	60	23	28
63	78	18	18	68	26	30
80	88	20	20	78	30	32
100	100	25	25	90	36	36
125	115	30	30	105	42	40

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	85.0	73	85	82.0	154.0	±0.00%
40	73.0	77.0	67	76.5	70.0	135.0	±0.00%
50	60	63	50	62.5	57	110.0	±0.00%
63	50.0	53.0	43	51.5	46	90.0	±0.00%
80	37.0	39.0	30	38.5	34	70.0	±0.00%
100	23.0	25.0	18	24.5	21	45.0	±0.00%
125	14.0	15.0	10	14.5	13	30.0	±0.00%

Additional information

Catalogue

[C96-Bb_EU.pdf](#)