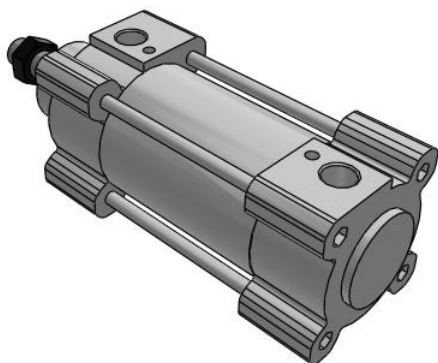




C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB63-50C

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

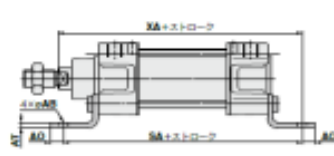
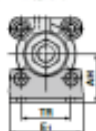
Standard specifications

Magnet	D (Built-in)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø63 mm
Stroke	50
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	0.01 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	M16 x 1.5
Minimum piston speed	50 mm/s

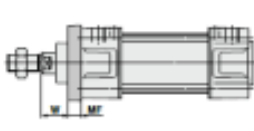
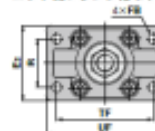
Dimensions

軸方向ポート形 (L)



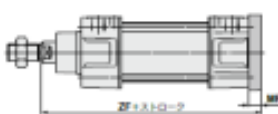
シリーズ P6 (mm)	E	TRA	HA	IA	T	SA	XA
32	48	32	32	104	5	T	142/144
40	50	36	36	114	5	T	157/163
50	56	45	45	125	5	T	170/175
63	63	52	52	135	5	T	185/195
80	68	63	63	146	5	T	210/215
100	75	75	75	166	5	T	235/245
125	85	85	85	186	5	T	250/270

ロッド側フランジ形 (F)



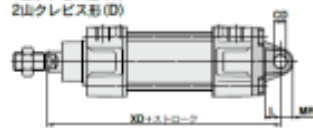
シリーズ P6 (mm)	R	TF	FB	E1	W	MF
32	32	64	7	52	78	16/10
40	36	72	9	55	90	20/10
50	45	90	9	70	110	25/12
63	50	100	9	80	125	25/12
80	63	120	12	100	150	30/16
100	75	150	14	120	175	32/16
125	90	180	16	150	210	40/20

ヘッド側フランジ形 (G)

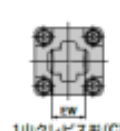


シリーズ P6 (mm)	MF	ZF
32	10	130
40	10	145
50	12	155
63	12	170
80	15	190
100	16	205
125	20	245

1山クレス形 (C)

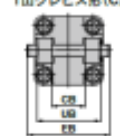


2山クレス形 (D)



シリーズ P6 (mm)	E1	CD	L	MR	XD	UR	CR	EB
32	25	10	12	9.5	140	45	20	45
40	25	12	15	12	160	50	20	50
50	25	12	15	12	170	60	32	60
63	35	16	20	16	180	70	40	70
80	50	12	16	20	18	210	50	110
100	60	12	20	25	20	230	110	160
125	70	12	25	30	25	250	130	200

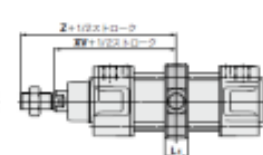
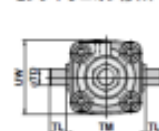
1山クレス形 (C)



2山クレス形 (D)

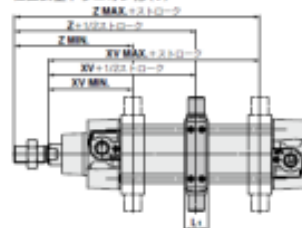


センタラニオン形 (T)

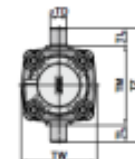


シリーズ P6 (mm)	TM	TL	TD	UL	XV	Z
32	58	12	12	48	17	25
40	63	16	16	58	22	30
50	75	16	16	71	25	38
63	86	20	20	81	28	45
80	110	20	20	110	34	55
100	135	25	25	138	40	68
125	160	25	25	160	45	80

位置調整ラニオン形 (V)



シリーズ P6 (mm)	TM	TL	TD	UL	TV	TZ
32	58	12	12	48	17	24
40	63	16	16	58	22	28
50	75	16	16	71	25	32
63	86	20	20	81	28	38
80	110	20	20	110	34	45
100	135	25	25	138	40	55
125	160	25	25	160	45	65



シリーズ P6 (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	87	106.0	80.0	115.0	±0.00%
50	80	112	90	122	120	137	±0.00%
63	80.0	121.0	97	129	125	137.0	±0.00%
80	97.0	137.0	110	150	127	162.0	±0.00%
100	113.0	153.0	120	180	136.0	180.0	±0.00%
125	140	202	145	201	142	230	±0.00%

Additional information

Catalogue

[C96-Bb_EU.pdf](#)