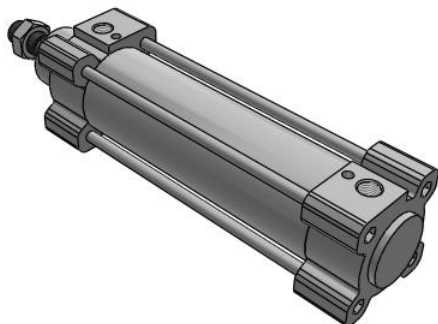




C96Y(D), ISO 15552 Cylinder, Smooth Cylinder, Double Acting, Single Rod C96YDB50-125C

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

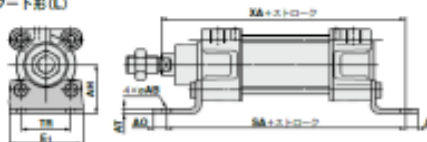
Standard specifications

Magnet	D (Built-in)
Mounting	B (Basic, w/o Bracket)
Bore Size	Ø50 mm
Stroke	125
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 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	1.793 Kg

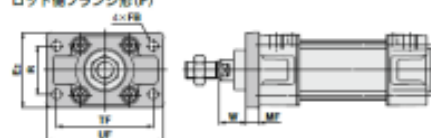
Dimensions

軸方向ポート形 (L)



ポート 径 (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	54	54	135	5	T	185/195
80	68	63	63	146	5	T	210/215
100	75	75	75	165	5	T	235/245
125	85	85	85	185	5	T	250/270

ロッド側フランジ形 (F)



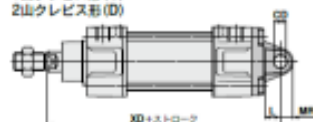
ポート 径 (mm)	R	TF	FB	E	UF	W	MF
32	32	64	7	52	78	16	10
40	36	72	8	55	90	20	10
50	45	90	9	70	110	25	12
63	54	108	10	80	125	25	12
80	63	126	12	100	150	30	16
100	75	150	14	120	175	35	16
125	90	180	16	150	210	45	20

ヘッド側フランジ形 (G)

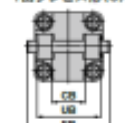


ポート 径 (mm)	MF	ZF
32	10	130
40	10	145
50	12	155
63	12	170
80	15	190
100	18	205
125	20	245

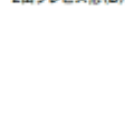
1山クレービス形 (C)



1山クレービス形 (C)

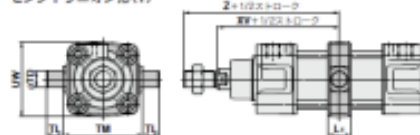


2山クレービス形 (D)



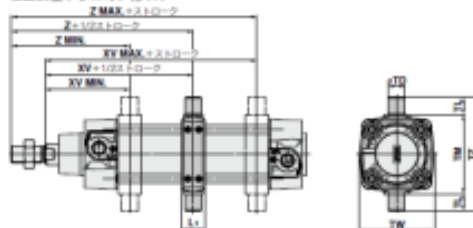
ポート 径 (mm)	E	W	CD	L	MR	XD	UR	CR	EB
32	25	10	12	9.5	42	45	20	45	45
40	28	12	15	12	48	50	25	50	50
50	32	15	18	15	55	60	30	60	60
63	36	18	20	18	65	70	35	70	70
80	40	20	22	20	75	80	40	80	80
100	45	25	25	25	90	95	50	95	95
125	50	30	30	30	105	110	60	110	110

センタートラニオン形 (T)



ポート 径 (mm)	TM	TL	TD	UL	XV	Z
32	58	12	12	48	17	25
40	63	16	16	53	22	30
50	75	16	16	65	25	35
63	85	20	20	75	30	40
80	100	25	25	90	35	50
100	120	30	30	110	40	60
125	150	35	35	140	50	75

位置調整トラニオン形 (V)



ポート 径 (mm)	TM	TL	TD	UL	XV	Z
32	58	12	12	48	17	24
40	63	16	16	53	22	28
50	75	16	16	65	25	32
63	85	20	20	75	30	38
80	100	25	25	90	35	45
100	120	30	30	110	40	55
125	150	35	35	140	50	70

ポート 径 (mm)	最小値	標準値	最大値	ポート 径 (mm)	最小値	標準値	最大値
32	82.0	85.4	73	85	82.0	154.0	130.0
40	73.0	87.0	75	100	82.0	154.0	130.0
50	80	112	80	125	100	170	140.0
63	85.0	121.0	87.0	150	125	180	150.0
80	97.0	137.0	100	175	150	200	175.0
100	110.0	153.0	120	200	175	220	200.0
125	140	202	145	250	200	250	250.0

Additional information

Catalogue

[C96-Bb_EU.pdf](#)