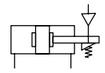
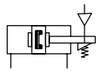
Product feature

Implement ISO 15552 standard.(ISO 6431 and VDMA 24562)

Symbol



Without switch



With switch

Specification

Bore (mm)	32	40	50	63	80	100	125
Action	Double acting						
Fluid	Compressed air						
Pressure range	0.1~1.0MPa (15~145psi) (1.0~10.0bar)						
Proof pressure	1.5MPa (215psi) (15bar)						
Release pressure	Not less than 0.3MPa						
Temp. range	-10 ~ 60°C (No freezing)						
Speed range	50~800mm/s						
Material of body	Aluminum alloy						
Cushion	Adjustable air cushion						
Cushion length	23mm	27mm	30mm		36mm		
Gripping force	500N	600N	1000N	1400N	2000N	2000N	5000N
Lubrication	Non-lube						
Port size	Rc1/8	Rc1/ 4		Rc3/8		Rc1/2	
Code of S/K	CG32-R1	CG40 -R1	CG50-R1	CG63-R1	CG80-R1	CG100-R1	CG125-R1

* Please use ISOVG32 oil if needed.

Stroke/Auto switch type

Bore (mm)	Standard stroke(mm)	Switch model
32	25 50 75 100 125 150 175 200 250 300 400 500	
40	25 50 75 100 125 150 175 200 250 300 400 500	
50	25 50 75 100 125 150 175 200 250 300 400 500 600	
63	25 50 75 100 125 150 175 200 250 300 400 500 600	
80	25 50 75 100 125 150 175 200 250 300 400 500 600 700 800	
100	25 50 75 100 125 150 175 200 250 300 400 500 600 700 800	
125	25 50 75 100 125 150 175 200 250 300 400 500 600 700 800 900 1000	

* Non-standard stroke is available.

Ordering code

CSLV 50 - 100 - S - L

- Series: CSLV
- Bore: 50
- Stroke: 100
- Magnet: S

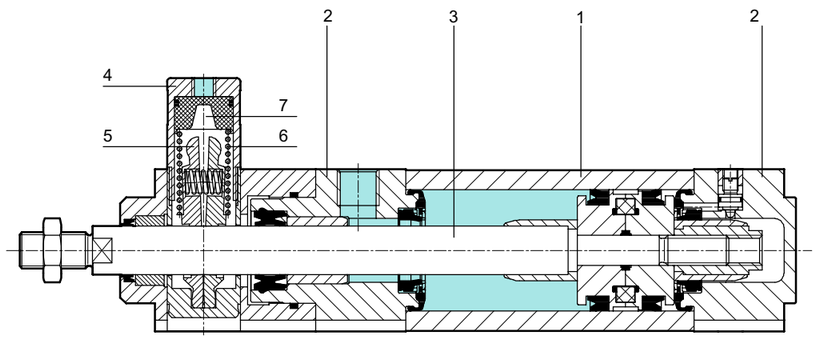
Null	Without magnet
S	Magnet

- Installation: L

Code	Installation
B	Standard
L	Axial foot
F	Rod side flange
G	End cap flange
C	Rear eye
D	Rear clevis
FT	Rod side trunnion

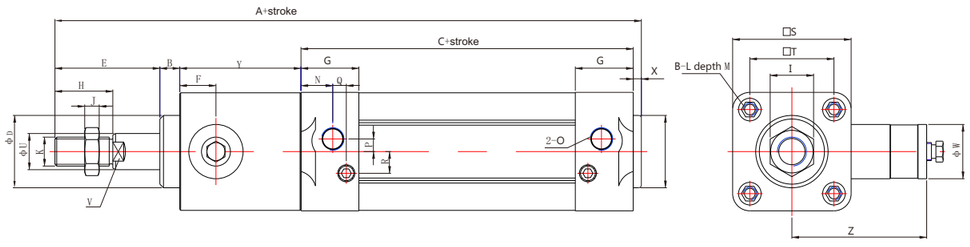
CSLV Series Fine Lock Cylinder

Profile dimensions (mm)



1	Cylinder tube	Aluminum alloy
2	Bearing cap& end cap	Aluminium die casting
3	Piston rod	carbon steel
4	Body, grip system	Aluminum alloy
5	Figure	Brass
6	Spring	Spring steel
7	Piston	Polyvinyl acetate
—	Sealing element	NBR

Bodynary dimensions (mm)



Bore	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
32	191.5	11.5	94	30	36.5	14	27.5	22	17	6	M10×1.25	M6	14	13.5	Rc1/8
40	216.5	11.5	105	35	42.5	16	29.5	24	17	7	M12×1.25	M6	14	17.5	Rc1/4
50	246.5	11	106	40	58	20	32	32	23	8	M16×1.5	M8	14	15.5	Rc1/4
63	270.5	11	121	45	58	24	36	32	23	8	M16×1.5	M8	14	17.5	Rc3/8
80	314	12.5	128	45	73.5	31.5	37	40	26	10	M20×1.5	M10	18	16	Rc3/8
100	332	12.5	138	55	79	31	39	40	26	10	M20×1.5	M10	18	21.5	Rc1/2
125	410	27.5	160	60	91.5	42	45	54	40	12	M27×2	M12	20	22.5	Rc1/2

Bore	P	Q	R	S	T	U	V	W	X	Y	Z
32	5	3.5	6	47	32.5	12	10	20	4.5	45	44.5
40	6	3	8	55	38	16	14	24	4.5	53	61
50	8.5	5	10	65	46.5	20	17	30	4.5	67	75
63	7	7.5	12	78	56.5	20	17	38	4.5	76	85.5
80	10	8.5	15	95	72	25	22	48	5	95	119
100	12	8	16	115	89	25	22	48	5	98	119
125	14	8	18	143	110	32	27	65	6	125	140

Note: Size of installation and attachments are same to CS series.

Product feature

Can convert low pressure air into high pressure oil, output pressure ratio of 25:1. Suit for punching, riveting, bending, cutting, stamping, stretching and pressure assembly, etc

Operation and mounting

1.First step into the air piston rod down quickly under pressure, the second step intake, pressurization, the third step intake, booster bar back, Four steps into the gas work, the piston rod back.
2.The frequency of the speed controller can be used to adjust the time and control, but also and solenoid valves and port size.
3.Connect the third step, forth step and in port could improve its efficiency.
4.The cylinder could be adjusted by pressure which is not overload.
5. Contact us for special situations.

Specification

Action		Double acting
Fluid		Filtered compressed air
Pressure range		0.4~0.7MPa
Proof pressure	Air cylinder	15kg/cm
	Oil cylinder	210kg/cm
Temp. range		-10~60℃
Cycle oil		VG68#antiwear hydraulic oil
Working frequency		10-40 times/min

Ordering code

CZ — 03T — 100 X 5 — FA

- 03T: 01T 15T / 03T 20T / 05T 30T / 10T 40T / 13T
- 100 X 5: Stroke x pressure stroke
- FA: Installation. Null: Standard. FA series: Front cover mount/Flange

Sample

1、Ordering output 3 ton, stroke 100mm, pressurize stroke 5mm, standard mount type
Current code: CZ-03T-100x5

2、Ordering output 3 ton, stroke 100mm, pressurize stroke5mm, flange mount type
Current code: CZ-03T-100x5-FA

CZ Series Airdraulic Pressurization Actuator
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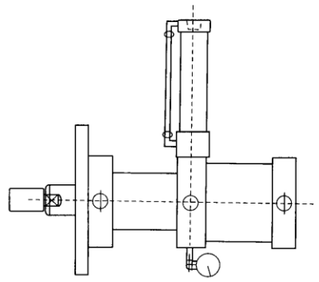
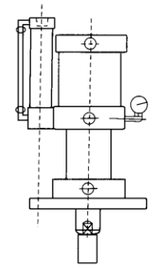
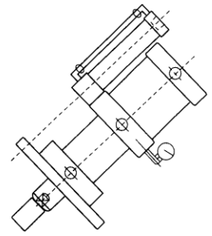
Installation



Horizontal installation

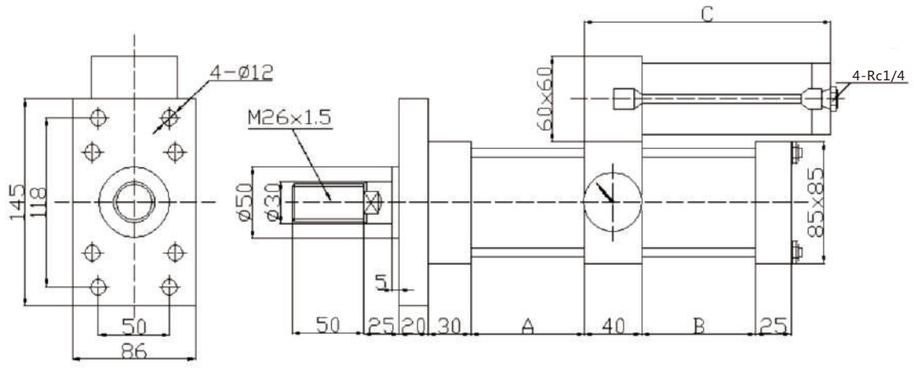


Vertical installation



Slanting installation

CZ-01T Dimensions



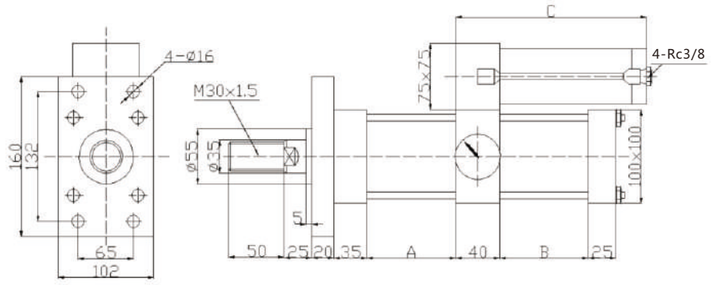
Total stroke	Pressure stroke	A	B	C
50	5	110	105	250
	10		145	
	15		185	
	20		225	
100	5	160	105	310
	10		145	
	15		185	
	20		225	

Total stroke	Pressure stroke	A	B	C
150	5	210	105	360
	10		145	
	15		185	
	20		225	
200	5	260	105	420
	10		145	
	15		185	
	20		225	

CZ-01T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	78	98	117	137
Pressed output	950	1200	1450	1680
Return output	50	60	75	90

CZ-03T cylinder structure dimensions



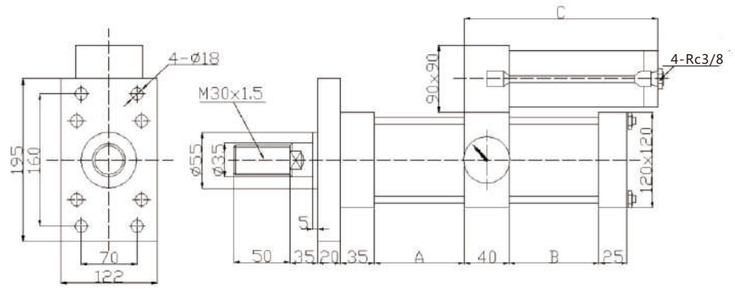
Total stroke	Pressure stroke	A	B	C
50	5	110	127	250
	10		177	
	15		227	
	20		277	
100	5	160	127	310
	10		177	
	15		227	
	20		277	

Total stroke	Pressure stroke	A	B	C
150	5	210	127	360
	10		177	
	15		227	
	20		277	
200	5	260	127	420
	10		177	
	15		227	
	20		277	

CZ-03T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	124	155	187	218
Pressed output	2000	2500	3000	3500
Return output	85	110	130	150

CZ-05T cylinder structure dimensions



Total stroke	Pressure stroke	A	B	C
50	5	115	145	270
	10		210	
	15		275	
	20		340	
100	5	165	145	330
	10		210	
	15		275	
	20		340	

Total stroke	Pressure stroke	A	B	C
150	5	215	145	380
	10		210	
	15		275	
	20		340	
200	5	265	145	430
	10		210	
	15		275	
	20		340	

CZ-05T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	200	250	300	350
Pressed output	4000	5000	6000	7000
Return output	165	205	250	285

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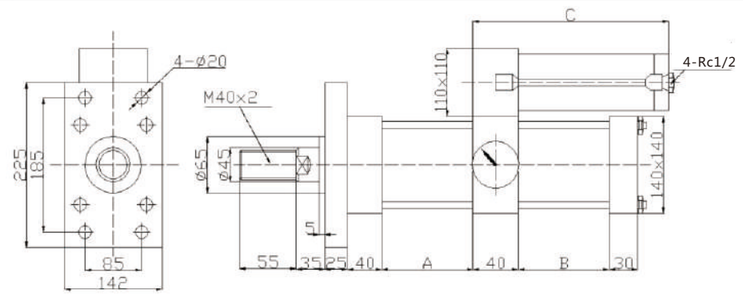
CZ-10T cylinder structure dimensions



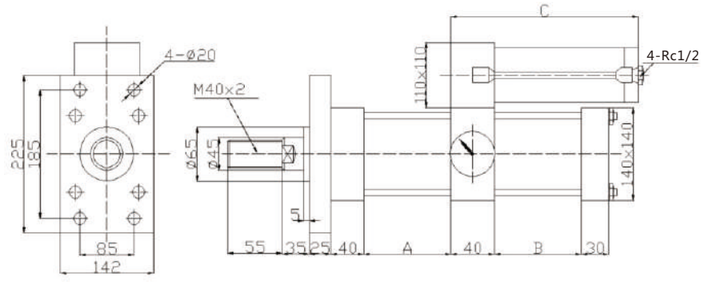
Total stroke	Pressure stroke	A	B	C
50	5	120	150	270
	10		215	
	15		280	
	20		345	
100	5	170	150	330
	10		215	
	15		280	
	20		345	

Total stroke	Pressure stroke	A	B	C
150	5	220	150	380
	10		215	
	15		280	
	20		345	
200	5	270	150	430
	10		215	
	15		280	
	20		345	

CZ-10T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	315	392	471	549
Pressed output	6260	7850	9400	10960
Return output	250	315	380	440

CZ-13T cylinder structure dimensions



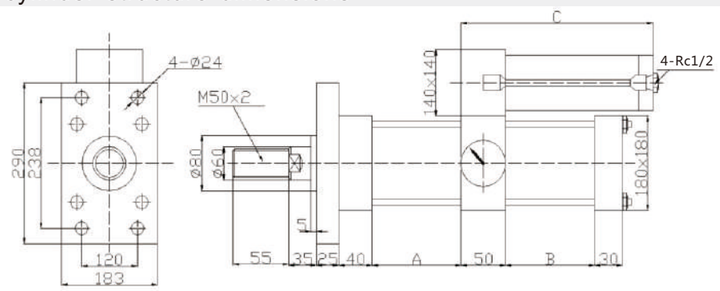
Total stroke	Pressure stroke	A	B	C
50	5	120	165	270
	10		245	
	15		325	
	20		405	
100	5	170	165	330
	10		245	
	15		325	
	20		405	

Total stroke	Pressure stroke	A	B	C
150	5	220	165	380
	10		245	
	15		325	
	20		405	
200	5	270	165	430
	10		245	
	15		325	
	20		405	

CZ-13T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	315	392	471	549
Pressed output	7850	9850	11800	13770
Return output	250	315	380	440

CZ-15T cylinder structure dimensions



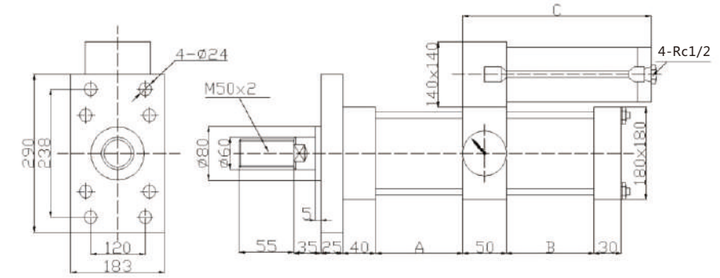
Total stroke	Pressure stroke	A	B	C
50	5	130	159	290
	10		224	
	15		289	
	20		354	
100	5	180	159	350
	10		224	
	15		289	
	20		354	

Total stroke	Pressure stroke	A	B	C
150	5	230	159	400
	10		224	
	15		289	
	20		354	
200	5	280	159	450
	10		224	
	15		289	
	20		354	

CZ-15T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	490	615	735	860
Pressed output	10300	12900	15460	18040
Return output	380	470	565	660

CZ-20T cylinder structure dimensions



Total stroke	Pressure stroke	A	B	C
50	5	130	181	290
	10		268	
	15		355	
	20		442	
100	5	180	181	350
	10		268	
	15		355	
	20		442	

Total stroke	Pressure stroke	A	B	C
150	5	230	181	400
	10		268	
	15		355	
	20		442	
200	5	280	181	450
	10		268	
	15		355	
	20		442	

CZ-20T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	490	615	735	860
Pressed output	14000	17400	21000	24400
Return output	380	470	565	660

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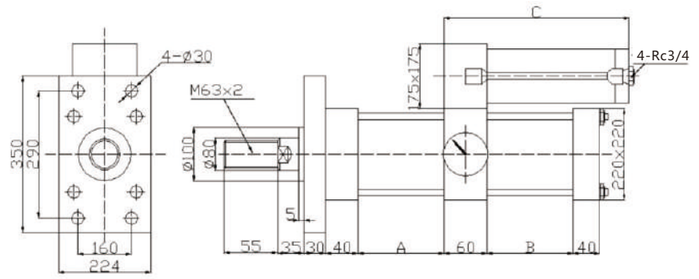
CZ-30T cylinder structure dimensions



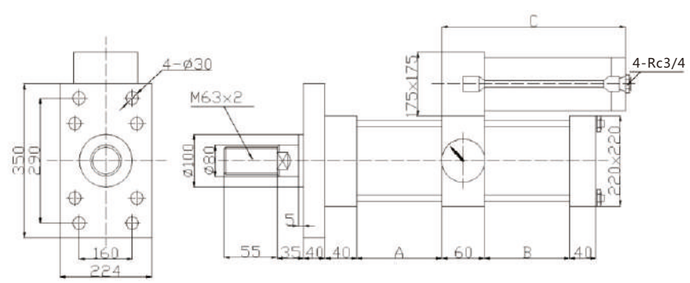
Total stroke	Pressure stroke	A	B	C
50	5	130	188	290
	10		268	
	15		348	
	20		428	
100	5	180	188	350
	10		268	
	15		348	
	20		428	

Total stroke	Pressure stroke	A	B	C
150	5	230	188	400
	10		268	
	15		348	
	20		428	
200	5	280	188	450
	10		268	
	15		348	
	20		428	

CZ-30T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	800	1000	1200	1400
Pressed output	20100	25100	30200	35200
Return output	600	750	900	1050

CZ-40T cylinder structure dimensions



Total stroke	Pressure stroke	A	B	C
50	5	130	213	290
	10		318	
	15		423	
	20		528	
100	5	180	213	350
	10		318	
	15		423	
	20		528	

Total stroke	Pressure stroke	A	B	C
150	5	230	213	400
	10		318	
	15		423	
	20		528	
200	5	280	213	450
	10		318	
	15		423	
	20		528	

CZ-40T standard type theoretical output: kg

Operate pressure	4	5	6	7
Theoretical output	800	1000	1200	1400
Pressed output	26300	32800	40000	46100
Return output	600	750	900	1050