



图形符号 Symbol

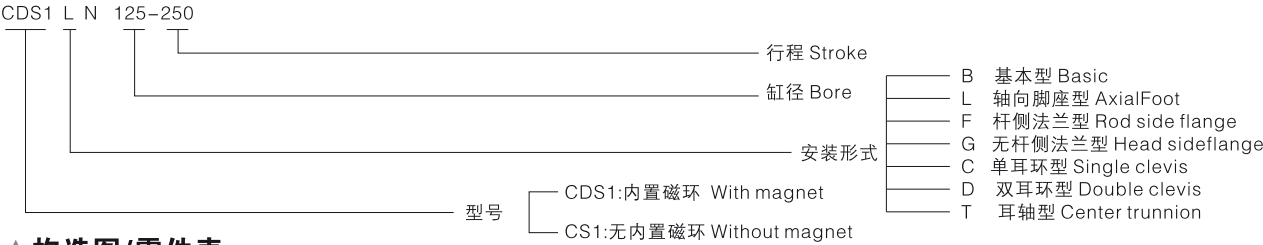


▲ 产品规格 Specifications

缸径(mm) Bore	125	140	160	180	200	250	300
工作介质 Working Fluid	空气						
动作型式 Action Style	双动						
耐压 Proof pressure	1.5MPa(16kgf/cm ²)				1.2MPa(12.2kgf/cm ²)		
工作压力 Working Pressure	0.97MPa(9.9kgf/cm ²)				0.7MPa(7.1kgf/cm ²)		
最低使用压力 Min.working pressure	0.5MPa(5.1kgf/cm ²)						
工作温度 Working temperature	0 ~ 60℃						
工作速度 Working speed	50 ~ 500mm/s						
缓冲 Cushion	气缓冲						
行程公差 Stroke tolerance	~250: ₀ ^{+1.0} , 251~1000: ₀ ^{+1.4} , 1001~1500: ₀ ^{+1.8}						
※润滑 Lubrication	不需要						
接管口径 Port size	½	½	3/4	3/4	3/4	1	1

※如需要润滑,请用透平1号油ISOVG32. ※ If need,suggest NO.1ISOVG32

▲ 型号选择

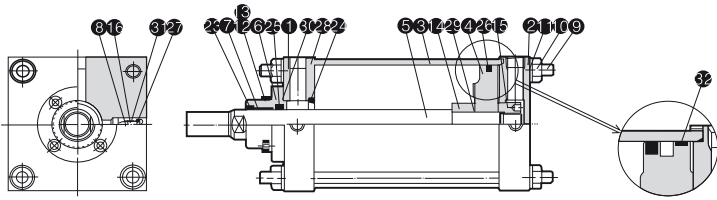


▲ 构造图/零件表

Structure /part name form

主要零件 Main part

编号NO.	名称Name	材料Material
1	前盖 Rod cover	SS41
2	后盖 Head cover	SS41
3	缸筒 Cylinder tube	铝合金(φ125~φ160) 碳钢(φ180~φ300)
4	活塞 Piston	FC25
5	活塞杆 Piston rod	S45C
6	导向套 Guide sleeve	FCD45
7	无油轴承 Bushing	LBC3
8	无油轴承 Bushing	C3602BE
9	拉杆 Tie-rod	S35C
10	拉杆螺母 Tie-rod nut	SS41
11	弹簧垫片 Spring washer	SWRH
12	套管螺母 Sleeve nut	SCM3
13	弹簧垫圈 Spring washer	SWRH
14	缓冲垫A Cushion ring A	SS41
15	缓冲垫B Cushion ring B	SS41
16	缓冲针 Cushion needle	SS41
17	垫圈A Washer A	SS41
18	垫圈 Washer	SS41
19	缓冲阀B Cushion valve B	SS41
20	缓冲阀A Cushion valve A	SCM3
27	缓冲阀胶圈 Cushion valve rubber ring	NBR
31	缓冲阀胶圈 Cushion valve rubber ring	NBR
32	耐磨环 Wearing	树脂 Resin

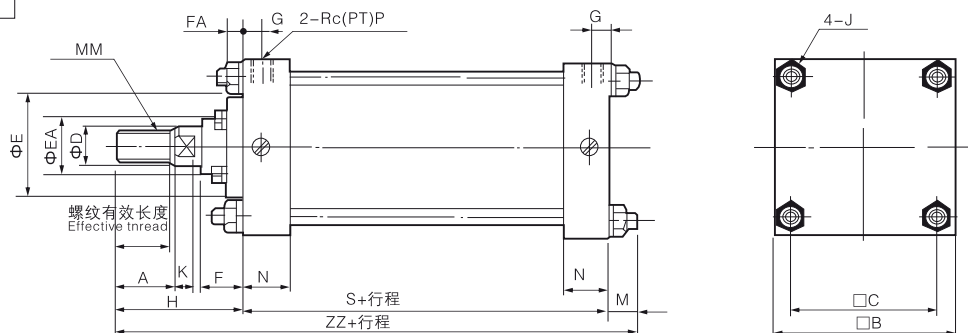


▲ 密封圈 Seal

编号 No.	名称Name	材料 Material	零件号Part No.						
			125	140	160	180	200	250	300
23	滑环Slipring	NBR							
24	缓冲密封圈Cushion seal								
25	杆密封圈Rod seal								
26	活塞密封圈Piston seal								
27	缓冲阀密封圈 Cushion valve seal								
28	气缸管密封圈 Cylinder tube seal								
29	活塞胶圈Piston seal								
30	套管胶圈Sleeve seal								
密封圈套性型号Seal model			L-CS1N125-PS	L-CS1N140-PS	L-CS1N160-PS	L-CS1N180-PS	L-CS1N200-PS	L-CS1N250-PS	L-CS1N300-PS

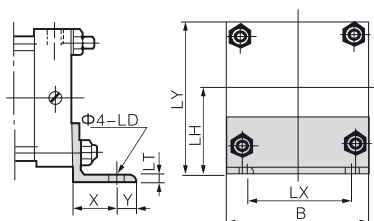
▲ 外形尺寸(毫米) Overall Dimension(mm)

基本型
Basic

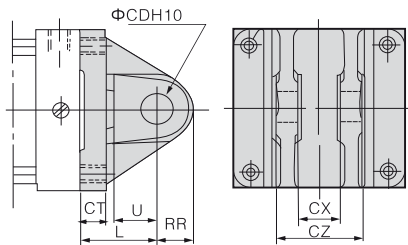


缸径(mm) Bore	行程范围(mm) Stroke	螺纹有效长度 Effective thread	A	□B	□C	φD	φE	EA	F	FA	G	J	K	M	MM	N	P	S	H	ZZ
125	-1000	47	50	145	115	36	90	59	43	14	16	M14x1.5	15	27	M30x1.5	35	1/2	98	110	235
140	-1000	47	50	161	128	36	90	59	43	14	16	M14x1.5	15	27	M30x1.5	35	1/2	98	110	235
160	-1200	53	56	182	144	40	90	59	43	14	18.5	M16x1.5	17	30.5	M36x1.5	39	3/4	106	120	256.5
180	-1200	60	63	204	162	45	115	70	48	17	18.5	M18x1.5	20	35	M40x1.5	39	3/4	111	135	281
200	-1200	60	63	226	182	50	115	74	48	17	18.5	M20x1.5	20	35	M45x1.5	39	3/4	111	135	281
250	-1200	67	71	277	225	60	140	86	60	20	23	M24x1.5	25	41.5	M56x2	49	1	141	160	342.5
300	-1200	70	80	330	270	70	140	96	60	20	23	M24x1.5	30	51.5	M64x2	49	1	146	175	372.5

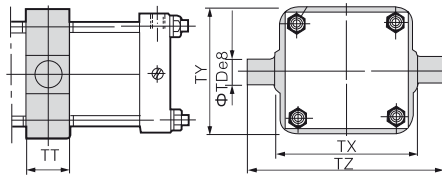
脚座
Foot



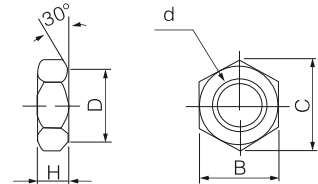
双U型钩
Double clevis



轴耳
Trunnion

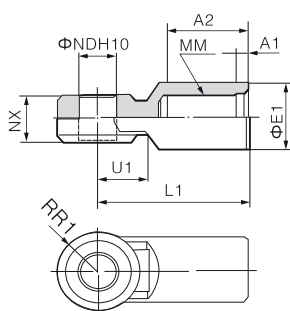


杆端螺母
Rod nut

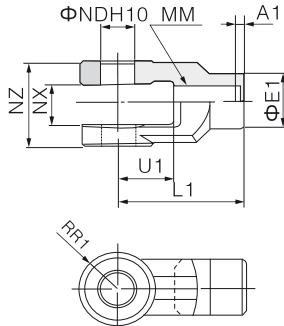


适用缸径(mm) Bore	双U型钩 Double clevis					中央轴耳 Center trunnion					杆端螺母 Rod nut				
	零件号 Part No.	U	ΦCD ^{H10}	CT	CX	CZ	气缸带耳轴型号	ΦTDe8	TT	TX	TY	TZ	零件号 Part No.	d	H
125	CS1-D12	35	25 ^{+0.084} ₀	17	32 ^{+0.3} _{+0.1}	64 ⁰ _{-0.2}	CS1TN125-行程	32 ^{-0.005} _{-0.089}	50	170	164	234	NT-12	M30x1.5	18
140	CS1-D14	40	28 ^{+0.084} ₀	17	36 ^{+0.3} _{+0.1}	72 ⁰ _{-0.2}	CS1TN140-行程	36 ^{-0.005} _{-0.089}	55	190	184	262	NT-12	M30x1.5	18
160	CS1-D16	45	32 ^{+0.100} ₀	20	40 ^{+0.3} _{+0.1}	80 ⁰ _{-0.2}	CS1TN160-行程	40 ^{-0.005} _{-0.089}	60	212	204	292	NT-16	M36x1.5	21
180	CS1-D18	50	40 ^{+0.100} ₀	23	50 ^{+0.3} _{+0.1}	100 ^{-0.1} _{-0.3}	CS1TN180-行程	45 ^{-0.005} _{-0.089}	59	236	228	326	NT-18	M40x1.5	23
200	CS1-D20	50	40 ^{+0.100} ₀	25	50 ^{+0.3} _{+0.1}	100 ^{-0.1} _{-0.3}	CS1TN200-行程	45 ^{-0.005} _{-0.089}	59	265	257	355	NT-20	M45x1.5	27
250	CS1-D25	65	50 ^{+0.100} ₀	30	63 ^{+0.3} _{+0.1}	126 ^{-0.1} _{-0.3}	CS1TN250-行程	56 ^{-0.060} _{-0.106}	69	335	325	447	NT-25	M56x2	34
300	CS1-D30	80	63 ^{+0.120} ₀	37	80 ^{+0.3} _{+0.1}	160 ^{-0.1} _{-0.3}	CS1TN300-行程	67 ^{-0.060} _{-0.106}	79	400	390	534	NT-30	M64x2	38

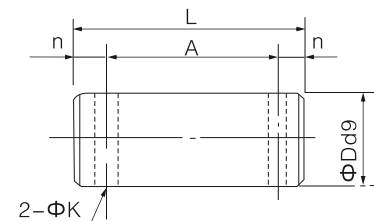
I型单肘节接头
Itype single knuckle joint



Y型双肘节接头
Ytype knuckle joint



肘节接头销子
Knuckle joint pin



适用缸径 (mm) Bore	I型单肘接头 Itype single knuckle joint										Y型双肘接头 Ytype knuckle joint										U型钩销子 Double clevis pin					
	零件号	A	A2	ΦE1	L1	MM	ΦND ^{H10}	NX	RR1	U1	零件号	A1	ΦE1	L1	MM	ΦND ^{H10}	NX	NZ	RR1	U1	零件号	ΦD ^{d9}	L	l	m	Φ
125	I-12	8	54	46	100	M30x1.5	25 ^{+0.084} ₀	32 ^{+0.3} _{+0.1}	27	33	Y-12	8	46	100	M30x1.5	25 ^{+0.084} ₀	32 ^{+0.3} _{+0.1}	64 ^{-0.1} _{-0.3}	27	42	IY-12	25 ^{-0.065} _{-0.117}	79.5	69.5	5	4
140	I-14	8	54	48	105	M30x1.5	28 ^{+0.084} ₀	36 ^{+0.3} _{+0.1}	30	39	Y-14	8	48	105	M30x1.5	28 ^{+0.084} ₀	36 ^{+0.3} _{+0.1}	72 ^{-0.1} _{-0.3}	30	47	IY-14	28 ^{-0.065} _{-0.117}	86.5	76.5	5	4
160	I-16	8	60	55	110	M36x1.5	32 ^{+0.100} ₀	40 ^{+0.3} _{+0.1}	34	39	Y-16	8	55	110	M36x1.5	32 ^{+0.100} ₀	40 ^{+0.3} _{+0.1}	80 ^{-0.1} _{-0.3}	34	46	IY-16	32 ^{-0.080} _{-0.142}	94.5	84.5	5	4
180	I-18	8	67	70	125	M40x1.5	40 ^{+0.100} ₀	50 ^{+0.3} _{+0.1}	42.5	44	Y-18	8	70	125	M40x1.5	40 ^{+0.100} ₀	50 ^{+0.3} _{+0.1}	100 ^{-0.1} _{-0.3}	42.5	54	IY-18	40 ^{-0.080} _{-0.142}	115	105	5	4
200	I-20	8	67	70	125	M45x1.5	40 ^{+0.100} ₀	50 ^{+0.3} _{+0.1}	42.5	44	Y-20	8	70	125	M45x1.5	40 ^{+0.100} ₀	50 ^{+0.3} _{+0.1}	100 ^{-0.1} _{-0.3}	42.5	54	IY-20	40 ^{-0.080} _{-0.142}	115	105	5	4
250	I-25	9	75.5	86	160	M56x2	50 ^{+0.100} ₀	63 ^{+0.3} _{+0.1}	53	66	Y-25	9	86	160	M56x2	50 ^{+0.100} ₀	63 ^{+0.3} _{+0.1}	126 ^{-0.1} _{-0.3}	53	81	IY-25	50 ^{-0.080} _{-0.142}	144	132	6	5
300	I-30	9	84.5	105	175	M64x2	63 ^{+0.120} ₀	80 ^{+0.3} _{+0.1}	66	71	Y-30	9	105	175	M64x2	63 ^{+0.120} ₀	80 ^{+0.3} _{+0.1}	160 ^{-0.1} _{-0.3}	66	87	IY-30	63 ^{-0.100} _{-0.174}	178	166	6	5