

小型气缸 EA 系列



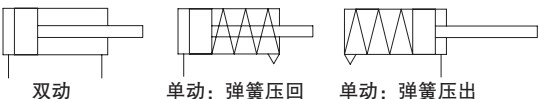
●小型・轻量

●可以安装开关

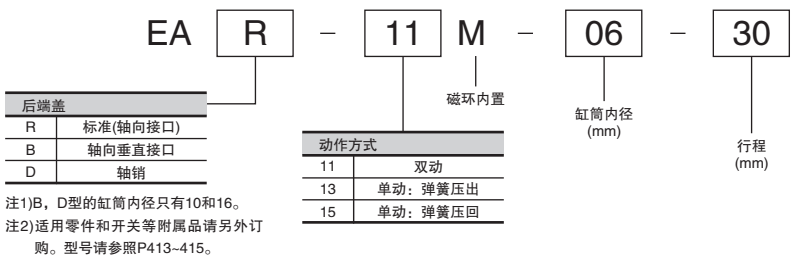
内置磁环为标准化

●种类丰富

符号



型号



规格

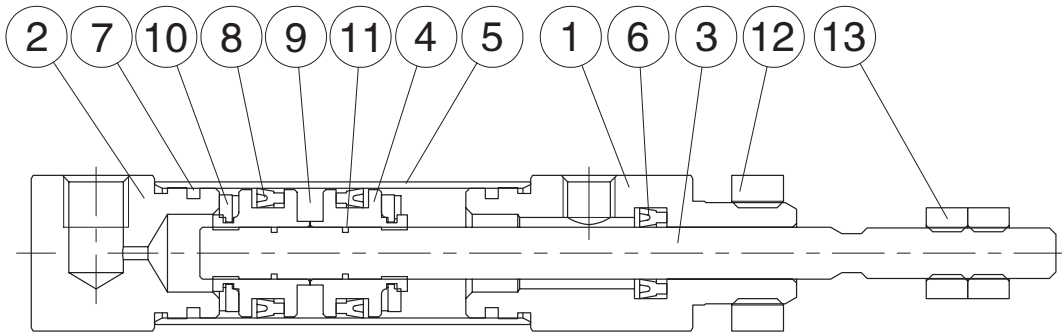
缸筒内径		mm	6	10	16
动作方式			双动 / 单动		
使用流体			无给油压缩空气		
保证耐压力		MPa	1.0		
最高使用压力		MPa	0.7		
最低使用压力	双动	MPa	0.12	0.06	
	单动：弹簧压出		0.25	0.15	
	单动：弹簧压回		0.2	0.15	
环境及流体温度		℃	-5 ~ 60(但不要冻结)		
缓冲			橡胶缓冲		
活塞速度		mm/s	50 ~ 500		
安装形式			脚座型、法兰型、轴销型		

标准行程 / 适用开关

缸筒内径(mm)	动作方式	标准行程(mm)	适用开关
6	双动	15 30 45 60	MT-03 系列
10		15 30 45 60 75 100 125 150	
16		15 30 45 60 75 100 125 150 175 200	
6	单动	15 30 45 60	
10		15 30 45 60	
16		15 30 45 60 75 100 125 150	

注) 开关的详细规格请参考 P531。

构造图



主要零件

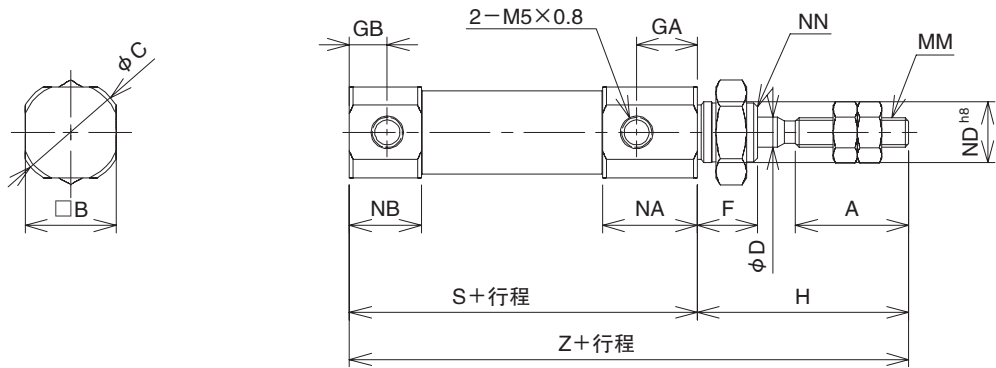
No.	零件名称	材质
1	前端盖	铝合金
2	后端盖	铝合金
3	活塞杆	不锈钢
4	活塞	铝
5	缸筒	不锈钢
6	活塞杆密封圈	NBR
7	O型圈	NBR

No.	零件名称	材质
8	活塞密封圈	NBR
9	磁环	-
10	缓冲垫	NBR
11	密封垫	NBR
12	缸盖螺母	黄铜
13	活塞杆前端螺母	黄铜

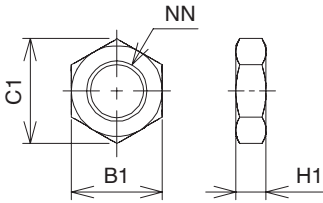
外形尺寸

(mm)

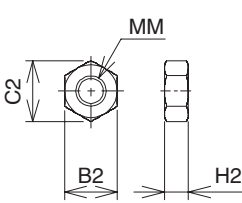
双动/EAB-11M-10/16(轴向垂直接口)



缸盖螺母

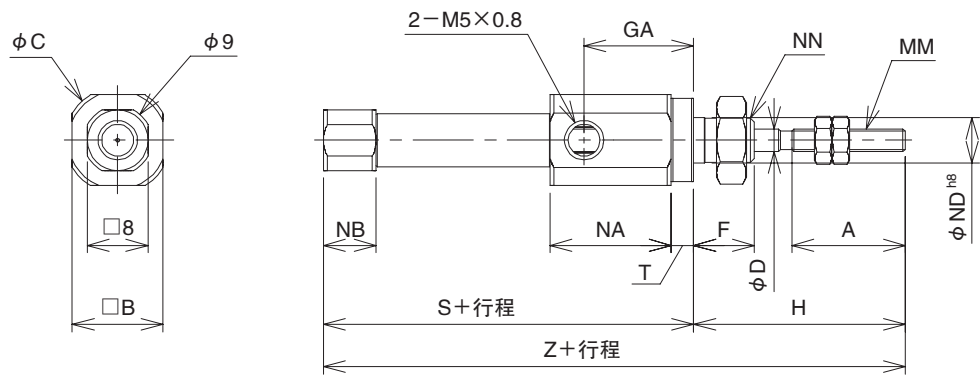


活塞杆前端螺母

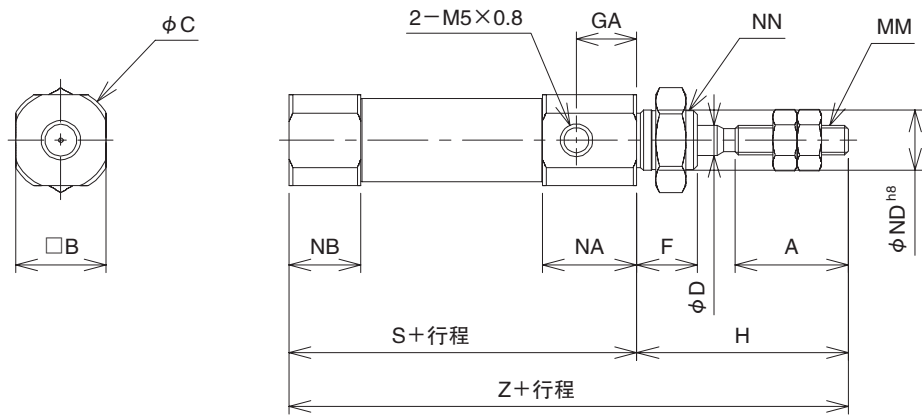


缸筒内径 (mm)	A	B	B1	B2	C	C1	C2	D	F	GA	GB	H	H1	H2	MM	NA	NB	ND ^{h8}	NN	S	Z
10	15	12	11	7	14	11.5	8.1	4	8	8	5	28	4	3.2	M4×0.7	12.5	9.5	8 ^{0 -0.022}	M8×1.0	46	74
16	15	18	14	8	20	16.2	9.2	5	8	8	5	28	4	4	M5×0.8	12.5	9.5	10 ^{0 -0.022}	M10×1.0	47	75

双动/EAR(标准型)
EAR-11M-6

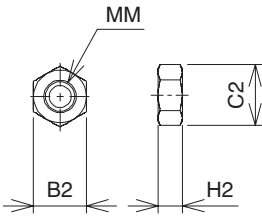
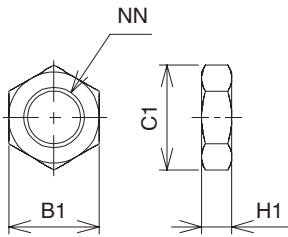


EAR-11M-10/16



缸盖螺母

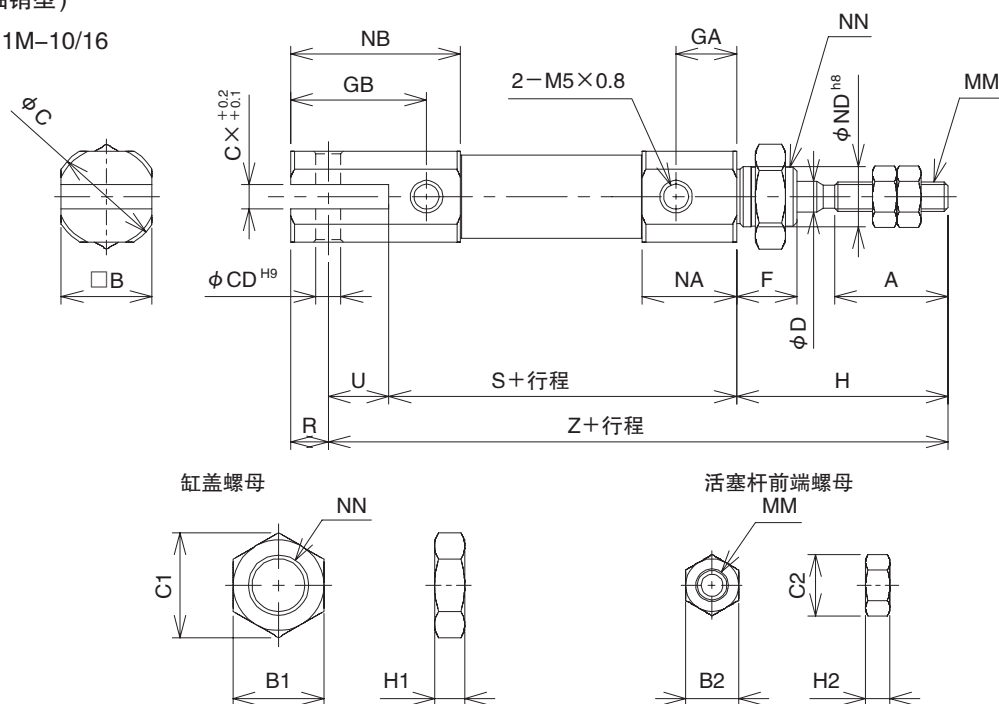
活塞杆前端螺母



缸筒内径 (mm)	A	B	B1	B2	C	C1	C2	D	F	GA	H	H1	H2	MM	NA	NB	ND ^{h8}	NN	S	T	Z
6	15	12	8	5.5	14	9.2	6.4	3	8	14.5	28	4	2.4	M3×0.5	16	7	6 ^{0 -0.022}	M6×1.0	49	3	77
10	15	12	11	7	14	12.7	8.1	4	8	8	28	4	3.2	M4×0.7	12.5	9.5	8 ^{0 -0.022}	M8×1.0	46	-	74
16	15	18	14	8	20	16.2	9.2	5	8	8	28	4	4	M5×0.8	12.5	9.5	10 ^{0 -0.022}	M10×1.0	47	-	75

双动/EAD(轴销型)

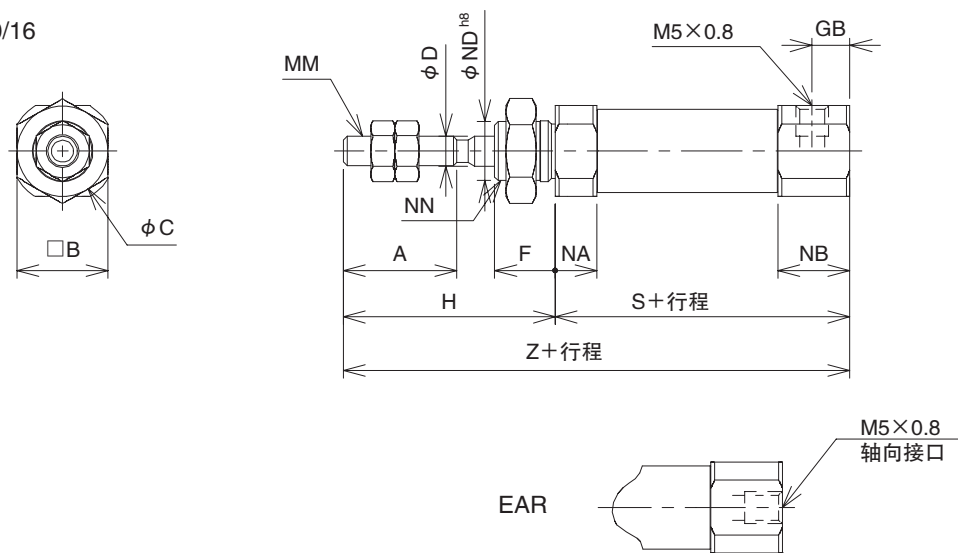
EAD-11M-10/16



缸筒内径 (mm)	A	B	B1	B2	C	CD	CX	C1	C2	D	F	GA	GB	H	H1	H2	MM	NA	NB	ND	NN	R	S	U	Z
10	15	12	11	7	14	3.3	3.2	12.7	8.1	4	8	8	18	28	4	3.2	M4×0.7	12.5	22.5	8 ⁰ _{-0.022}	M8×1.0	5	46	8	82
16	15	18	14	8	20	5	6.5	16.2	9.2	5	8	8	23	28	4	4	M5×0.8	12.5	27.5	10 ⁰ _{-0.022}	M10×1.0	8	47	10	85

单动/弹簧压回

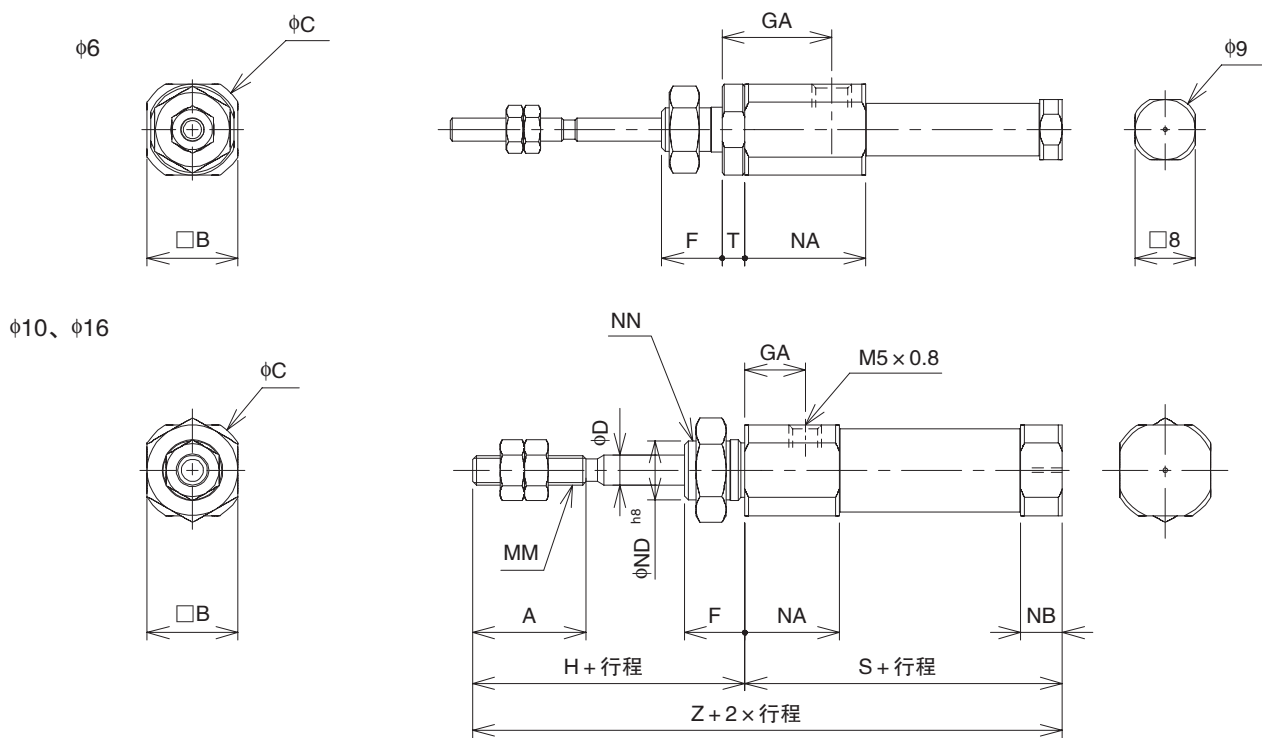
EAB-15M-6/10/16



缸筒内径 (mm)	A	B	C	D	F	GB	H	MM	NA	NB	ND	NN
6	15	8	9	3	8	-	28	M3×0.5	3	7	6 ⁰ _{-0.018}	M6×1.0
10	15	12	14	4	8	5	28	M4×0.7	5.5	9.5	8 ⁰ _{-0.022}	M8×1.0
16	15	18	20	5	8	5	28	M5×0.8	5.5	9.5	10 ⁰ _{-0.022}	M10×1.0

行程	S												Z			
	5-15	16-30	31-45	46-60	61-75	76-100	101-125	126-150	5-15	16-30	31-45	46-60	61-75	76-100	101-125	126-150
6	39.5	48.5	52.5	66.5	-	-	-	-	67.5	76.5	80.5	94.5	-	-	-	-
10	45.5	53	65	77	-	-	-	-	73.5	81	93	105	-	-	-	-
16	45.5	54	66	78	84	108	126	138	73.5	82	94	106	112	136	154	166

单动/弹簧压出 EAB-13M

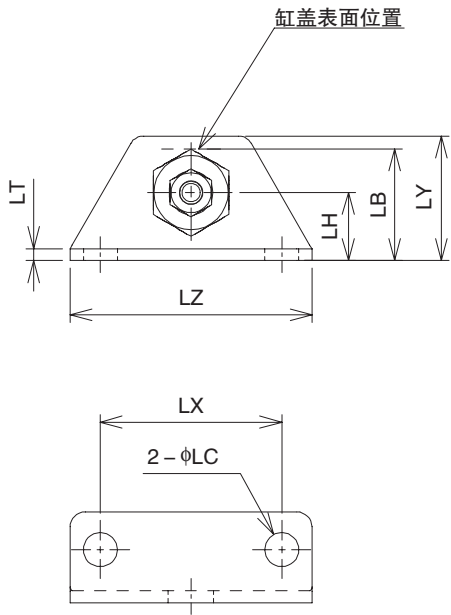


缸筒内径 (mm)	A	B	C	D	F	GA	H	MM	NA	NB	ND	NN	T
6	15	12	14	3	8	14.5	28	M3×0.5	16	3	6 ⁰ _{-0.018}	M6×1.0	3
10	15	12	14	4	8	8	28	M4×0.7	12.5	5.5	8 ⁰ _{-0.022}	M8×1.0	—
16	15	18	20	5	8	8	28	M5×0.8	12.5	5.5	10 ⁰ _{-0.022}	M10×1.0	—

行程 内径	S								Z							
	5-15	16-30	31-45	46-60	61-75	76-100	101-125	126-150	5-15	16-30	31-45	46-60	61-75	76-100	101-125	126-150
6	51.5	60.5	64.5	78.5	—	—	—	—	79.5	88.5	92.5	106.5	—	—	—	—
10	48.5	56	68	80	—	—	—	—	76.5	84	96	108	—	—	—	—
16	48.5	57	69	81	87	111	129	141	76.5	85	97	109	115	139	157	169

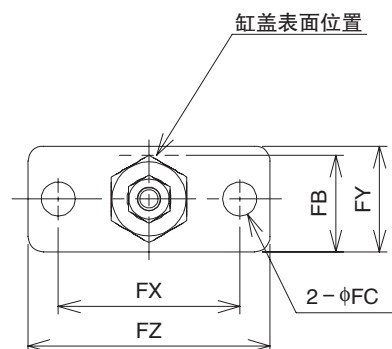
安装零件

脚座型 LB

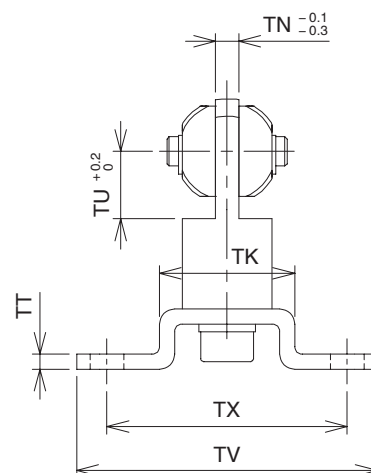
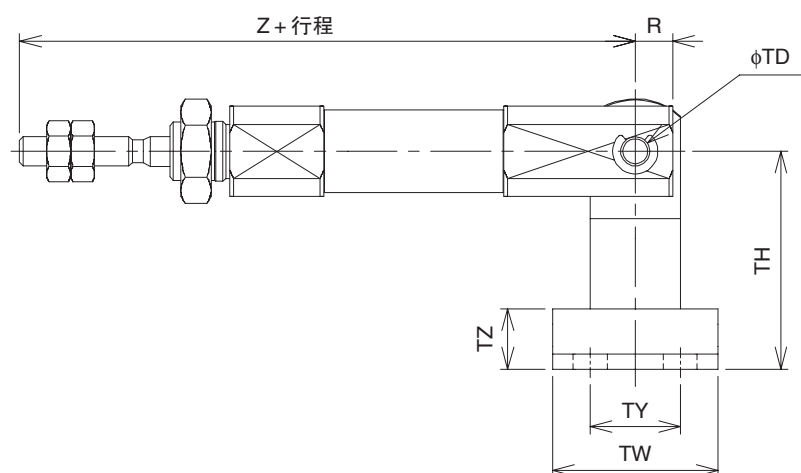
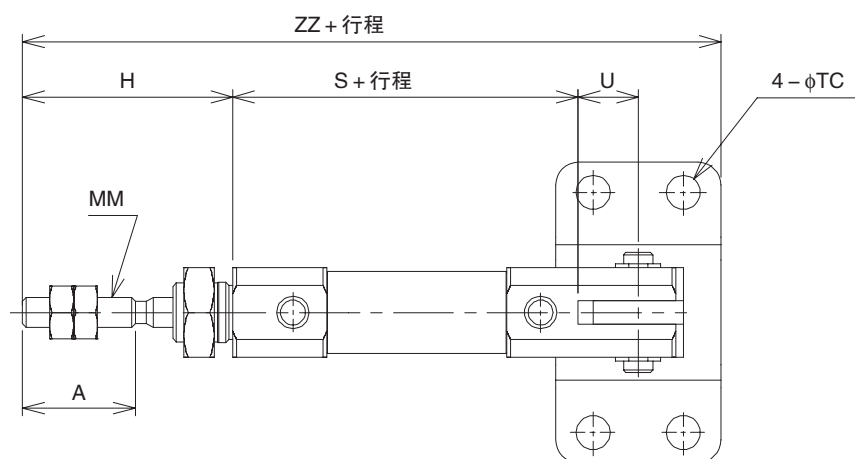


缸筒内径 (mm)	型号	LB	LC	LH	LT	LX	LY	LZ
6	EA-6-LB	15	4.5	9	1.6	24	16.5	32
10	EA-10-LB	15	4.5	9	1.6	24	16.5	32
16	EA-16-LB	23	5.5	14	2.3	33	25	42

法兰型 FA



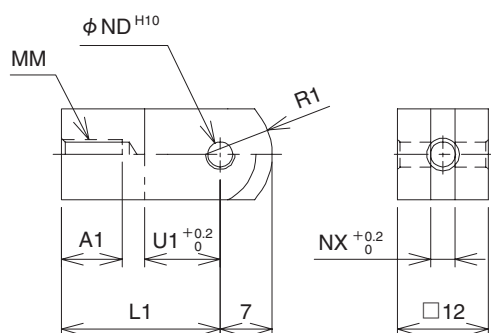
缸筒内径 (mm)	型号	FB	FC	FX	FY	FZ
6	EA-6-FA	13	4.5	24	14	32
10	EA-10-FA	13	4.5	24	14	32
16	EA-16-FA	19	5.5	33	20	42

轴销型 $\phi 10 \sim \phi 16$ T

缸筒内径 (mm)	型号	A	H	MM	R	S	TC	TD ^{H10}	TH	TK	TN	TT	TU	TV	TW	TX	TY	TZ	U	Z	ZZ
10	EA-10-T	15	28	M4×0.7	5	46	4.5	3.3 ^{+0.048} ₀	29	18	3.1	2	9	40	22	32	12	8	8	8	93
16	EA-16-T	15	28	M5×0.8	8	47	4.5	5 ^{+0.048} ₀	35	20	6.4	2.3	14	48	28	38	16	10	10	10	99

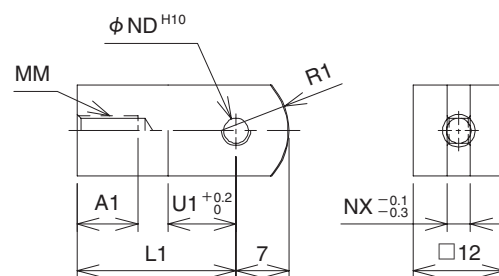
活塞杆前端零件 $\phi 10 \sim \phi 16$

Y 接头



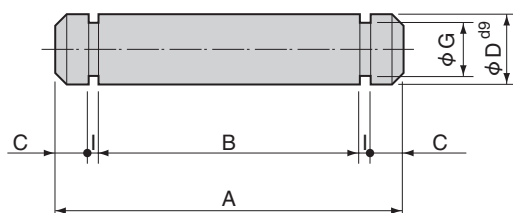
缸筒内径 (mm)	型号	A1	L1	MM	ND ^{H10}	NX	R1	U1
10	EA-10-Y	8	21	M4×0.7	3.3 ₀ ^{+0.048}	3.2	8	10
16	EA-16-Y	11	21	M5×0.8	5 ₀ ^{+0.048}	6.5	12	10

I 接头



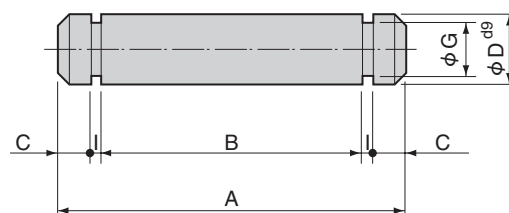
缸筒内径 (mm)	型号	A1	L1	MM	ND ^{H10}	NX	R1	U1
10	EA-10-I	8	21	M4×0.7	3.3 ₀ ^{+0.048}	3.1	8	9
16	EA-16-I	8	25	M5×0.8	5 ₀ ^{+0.048}	6.4	12	14

活塞杆前端零件插销



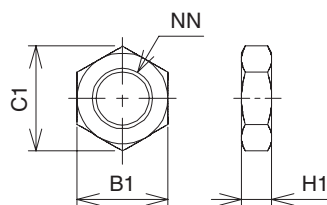
缸筒内径 (mm)	型号	A	B	C	Dd9	G	I	扣环
10	EA-10-YIP	16.2	12.2	1.5	3.3 _{0.06} ^{-0.03}	2.5	0.5	E-2.5
16	EA-16-YIP	16.2	12.2	1.5	5 _{0.06} ^{-0.03}	4	0.7	E-2.5

轴销用插销



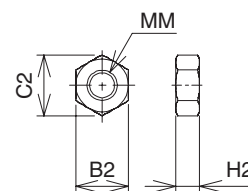
缸筒内径 (mm)	型号	A	B	C	Dd9	G	I	扣环
10	EA-10-CP	15.2	12.2	1	3.3 _{0.06} ^{-0.03}	2.5	0.5	E-2.5
16	EA-16-CP	22.7	18.3	1.5	5 _{0.06} ^{-0.03}	4	0.7	E-2.5

缸盖螺母



缸筒内径 (mm)	型号	B1	C1	H1	NN
6	EA-6-N	8	9.2	4	M6×1.0
10	EA-10-N	11	12.7	4	M8×1.0
16	EA-16-N	14	16.2	4	M10×1.0

活塞杆前端螺母



缸筒内径 (mm)	型号	B2	C2	H2	MM
6	EA-6-RN	5.5	6.4	2.4	M3×0.5
10	EA-10-RN	7	8.1	3.2	M4×0.7
16	EA-16-RN	8	9.2	4	M5×0.8