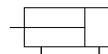


## 标准型气缸(大缸径) Standard Air Cylinder (Large Bore Size) Series KCS1 (Ø125~Ø400)



### 规格 Specifications

缸径 Bore size (mm)	125	140	160	180	200	250	300	350	400
接管口径 Port size Rc(PT)	1/2		3/4			1		1 1/4	
使用流体 Fluid	过滤压缩空气 Filtered compressed air								
动作形式 Action	双动 Double acting								
保证耐压力 Proof pressure (MPa)	1.5								
使用压力范围 Operating pressure range (MPa)	0.08~1.0								
环境及流体温度 Ambient and fluid temperature	-5~60°C (未冻结 No freezing)								
活塞速度 Piston speed	50~500 mm/s								
缓冲 Cushion	气缓冲 Air cushion								
行程公差 Stroke tolerance (mm)	~250: <sup>+1.0</sup> <sub>0</sub>		251~1000: <sup>+1.4</sup> <sub>0</sub>		1001~1500: <sup>+1.8</sup> <sub>0</sub>		1501~2000: <sup>+2.2</sup> <sub>0</sub>		
* 润滑 Lubrication	不需要 Not required								

\* 如需要润滑请使用透平 1 号油 ISOVG32。Please use Turbine oil 1st Grade ISOVG32 if necessary.

### 行程 / 磁性开关 Stroke/ Auto switch

缸径 Bore size (mm)	标准行程 Standard stroke (mm)	最长行程 Max. stroke (mm)	缸筒材质 Barrel material	磁性开关 Auto switch	开关固定码 Switch clamp	
125	25, 40, 50, 80, 100, 125, 200, 250, 300, 320, 350, 400, 450, 500, 600, 700, 800, 900, 1000, 1100, 1200	1900	铝合金 Aluminium	D-M9BK	PC+PCD	
140			碳钢 / 铝合金 Carbon steel/ Aluminium	D-M9BK (仅铝合金缸筒适用 Only aluminium barrel applicable)	PC+PCD	
160					PC+PBL (定制 custom-made)	
180			2000	碳钢 Carbon steel	不适用 Not applicable	
200	不适用 Not applicable					
250	不适用 Not applicable					
300	不适用 Not applicable					
350	不适用 Not applicable			不适用 Not applicable		
400	不适用 Not applicable			不适用 Not applicable		

\* 非标行程可定制。Nonstandard stroke can be customized.

### 型号表示方法 How to Order

**KC D S1 W B N 160 - 300 Y**

磁环 Magnet

-	无 None
D	内置磁环 Built-in magnet

行程 Stroke (mm)

缸径 Bore size (mm)

活塞杆形式 Rod type

-	单活塞杆 Single rod
W	双活塞杆 Double rod

安装形式 Mounting

B	基本型 Basic
L	脚座 Foot
F	前法兰 Front flange
G	后法兰 Rear flange
C	单 U 型钩 Single clevis
D	双 U 型钩 Double clevis
T	中央轴耳 Center trunnion

润滑类型 Lubrication type

-	油润滑 Lube
N	无油润滑 None-lube

缓冲 Cushion

-	两侧缓冲 Air cushion at both sides
N	无缓冲 Without air cushion
H	后侧缓冲 Air cushion at head side
R	杆侧缓冲 Air cushion at rod side

附件 Accessory

-	无 None
I	I 型单肘节接头 I type single knuckle joint
Y	Y 型双肘节接头 Y type double knuckle joint
J	尼龙伸缩防护套 Nylon tarpaulin rod boot (60°C)
K	耐高温伸缩防护套 Heat resistant tarpaulin rod boot (110°C)

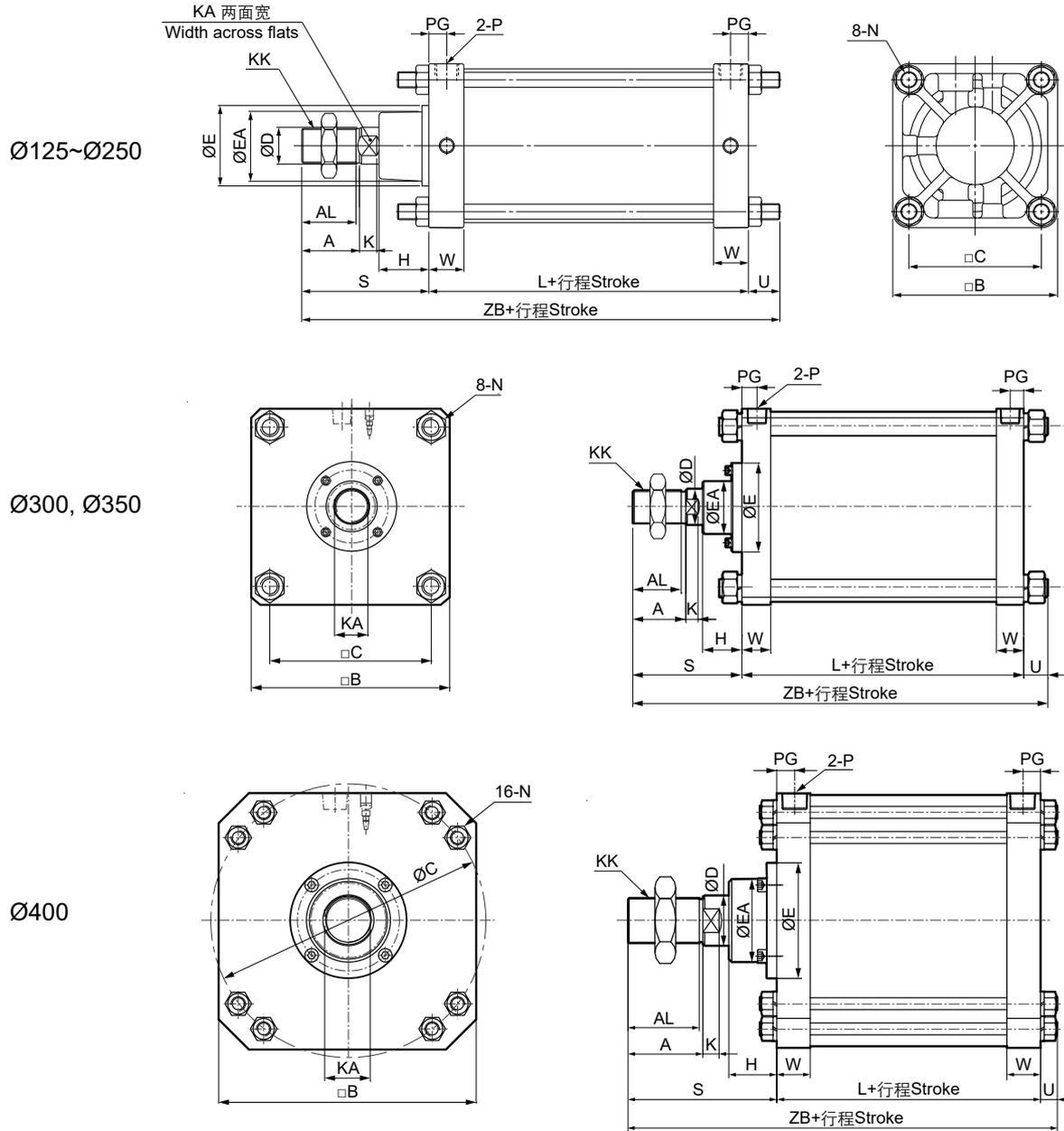
# 标准型气缸(大缸径)

## Standard Air Cylinder (Large Bore Size)

### Series KCS1

外形尺寸图 Dimensions (mm)

KC(D)S1B

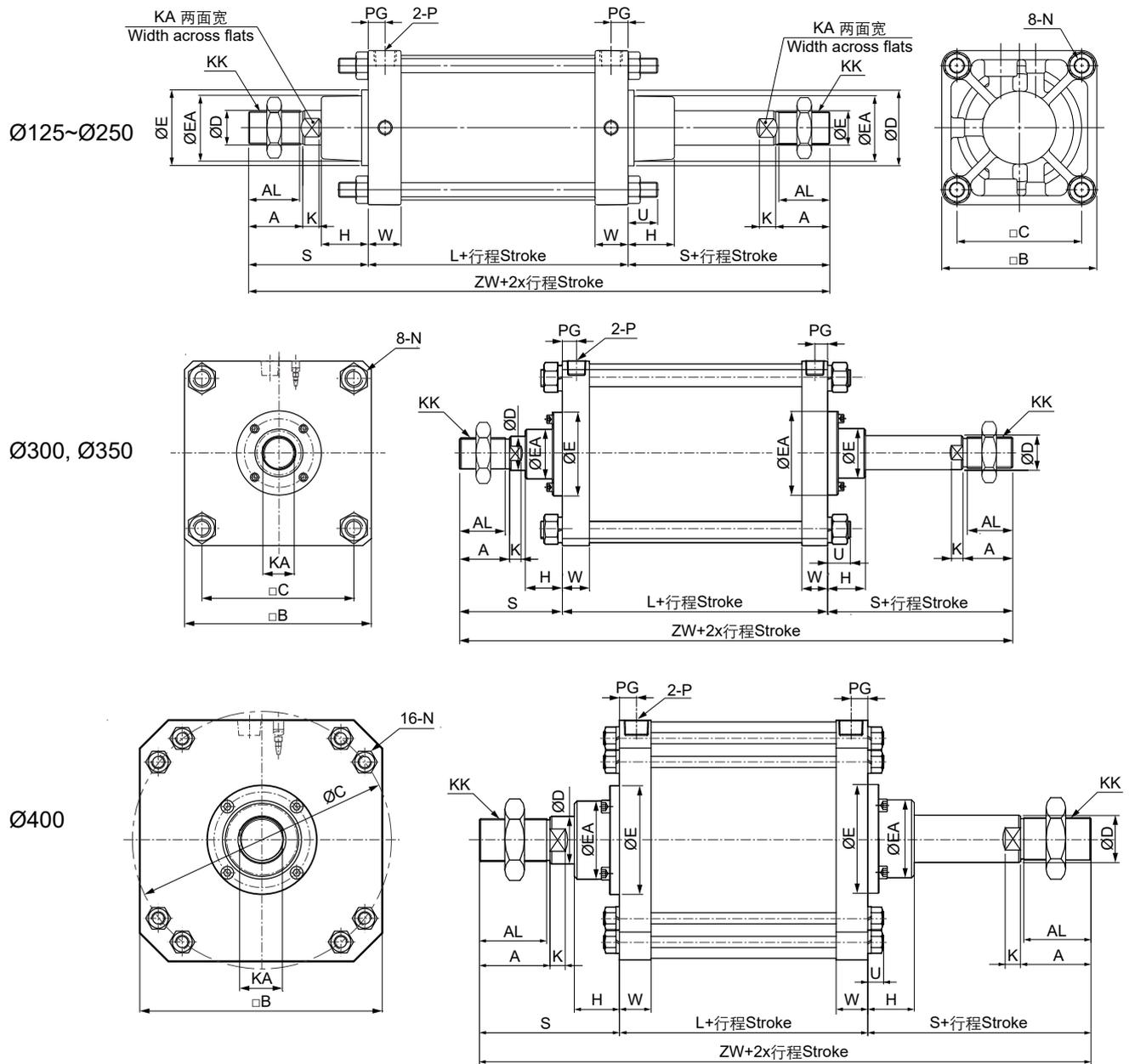


缸径 Bore size	行程 Stroke	A	AL	B	C	D	E	EA	H	K	KA	KK	L	N	P	PG	S	U	W	ZB
125	~1200	50	47	145	115	35	72	59	43	14.5	32	M30x1.5	98	M14x1.5	1/2	15	110	27	35	235
140	~1200	50	47	161	128	35	75	59	43	14.5	32	M30x1.5	98	M14x1.5	1/2	15	110	27	35	235
160	~1200	56	53	184	144	40	81	59	43	14.5	36	M36x1.5	106	M16x1.5	3/4	18.5	120	30.5	39	256.5
180	~1200	63	60	204	162	45	90	70	48	14.5	40	M40x1.5	111	M18x1.5	3/4	18.5	135	35	39	281
200	~1200	63	60	226	182	50	90	75	48	14.5	45	M45x1.5	111	M20x1.5	3/4	18.5	135	35	39	281
250	~1200	71	67	277	225	60	140	96	60	20	56	M56x2	141	M24x1.5	1	22	160	41.5	49	342.5
300	~1200	88	82	330	270	60	150	88	66	22	56	M56x2	170	M30x2	1	24	183	39	46.5	392
350	~1200	110	104	380	300	75	170	125	80	27	70	M68x3	190	M36x3	1 1/4	30	227	46	56	463
400	~1200	125	119	430	480	85	195	140	80	27	75	M76x3	190	M24x1.5	1 1/4	30	248	28	56	466

# 标准型气缸(大缸径) Standard Air Cylinder (Large Bore Size) Series KCS1

外形尺寸图 Dimensions (mm)

KC(D)S1WB

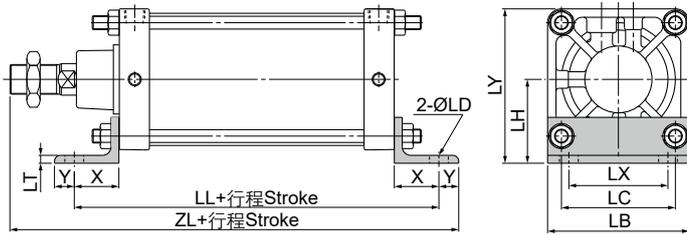


缸径 Bore size	行程 Stroke	A	AL	B	C	D	E	EA	H	K	KA	KK	L	N	P	PG	S	U	W	ZW
125	~1200	50	47	145	115	35	72	59	43	14.5	32	M30x1.5	98	M14x1.5	1/2	15	110	27	35	318
140	~1200	50	47	161	128	35	75	59	43	14.5	32	M30x1.5	98	M14x1.5	1/2	15	110	27	35	318
160	~1200	56	53	184	144	40	81	59	43	14.5	36	M36x1.5	106	M16x1.5	3/4	18.5	120	30.5	39	346
180	~1200	63	60	204	162	45	90	70	48	14.5	40	M40x1.5	111	M18x1.5	3/4	18.5	135	35	39	381
200	~1200	63	60	226	182	50	90	75	48	14.5	45	M45x1.5	111	M20x1.5	3/4	18.5	135	35	39	381
250	~1200	71	67	277	225	60	140	96	60	20	56	M56x2	141	M24x1.5	1	22	160	41.5	49	461
300	~1200	88	82	330	270	60	150	88	66	22	56	M56x2	170	M30x2	1	24	183	39	46.5	536
350	~1200	110	104	380	300	75	170	125	80	27	70	M68x3	190	M36x3	1 1/4	30	227	46	56	644
400	~1200	125	119	430	480	85	195	140	80	27	75	M76x3	190	M24x1.5	1 1/4	30	248	28	56	686

# 标准型气缸(大缸径) Standard Air Cylinder (Large Bore Size) Series KCS1

外形尺寸图 Dimensions (mm)

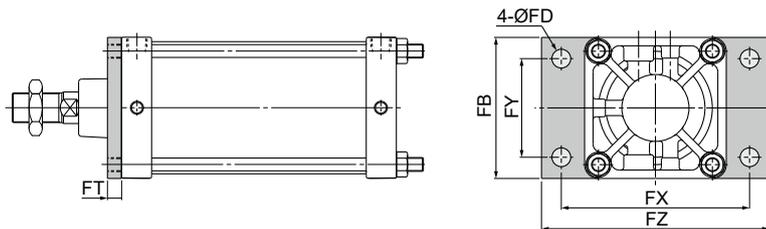
KC(D)S1L



零件号 Part No.	缸径 Bore size	行程 Stroke	LB	LC	LD	LH	LL	LT	LX	LY	X	Y	ZL
FCS1-L12	125	~1200	145	115	19	85	188	8	100	157.5	45	20	273
FCS1-L14	140	~1200	161	128	19	100	188	9	112	180.5	45	20	273
FCS1-L16	160	~1200	184	144	19	106	206	9	118	197	50	25	301
FCS1-L18	180	~1200	204	162	24	125	231	10	132	227	60	30	336
FCS1-L20	200	~1200	226	182	24	132	231	10	150	245	60	30	336
FCS1-L25	250	~1200	277	225	29	160	301	12	180	298.5	80	40	421
FCS1-L30	300	~1200	330	270	33	200	350	15	212	365	90	40	483
FCS1-L35	350	~1200	380	300	39	230	410	25	300	420	110	40	567
FCS1-L40	400	~1200	430	480	39	250	450	30	310	465	130	40	608

\* 未标注尺寸与基本型相同。  
The unmentioned dimensions are same as the Basic type.

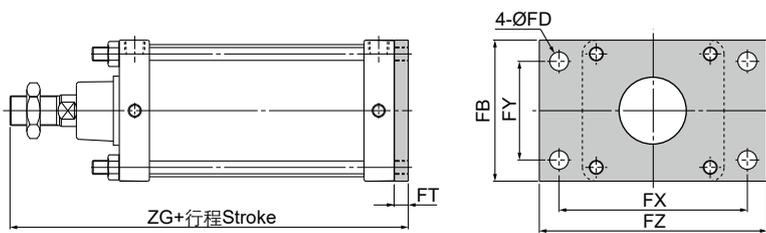
KC(D)S1F



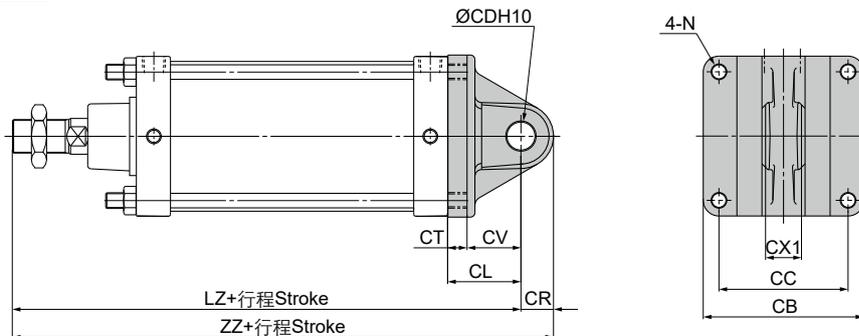
零件号 Part No.	缸径 Bore size	行程 Stroke	FB	FD	FT	FX	FY	FZ	ZG
FCS1-F12	125	~1200	145	19	14	190	100	230	222
FCS1-F14	140	~1200	161	19	20	212	112	255	228
FCS1-F16	160	~1200	184	19	20	236	118	275	246
FCS1-F18	180	~1200	204	24	25	265	132	320	271
FCS1-F20	200	~1200	226	24	25	280	150	335	271
FCS1-F25	250	~1200	277	29	30	355	180	420	331
FCS1-F30	300	~1200	330	33	30	400	212	475	383
FCS1-F35	350	~1200	380	39	35	480	260	570	452
FCS1-F40	400	~1200	430	39	30	540	310	640	468

\* 未标注尺寸与基本型相同。  
The unmentioned dimensions are same as the Basic type.

KC(D)S1G



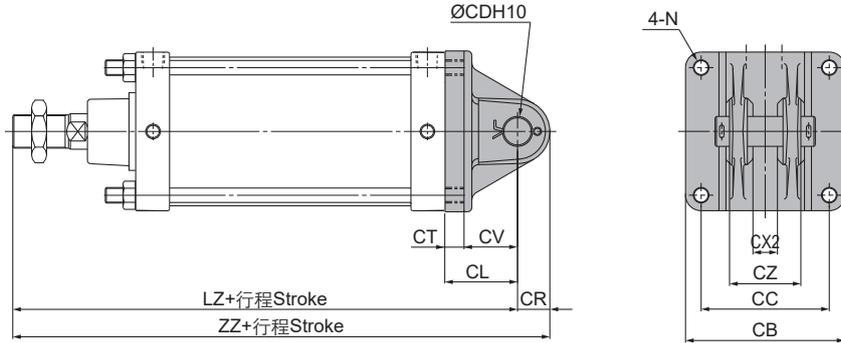
KC(D)S1C



# 标准型气缸(大缸径) Standard Air Cylinder (Large Bore Size) Series KCS1

外形尺寸图 Dimensions (mm)

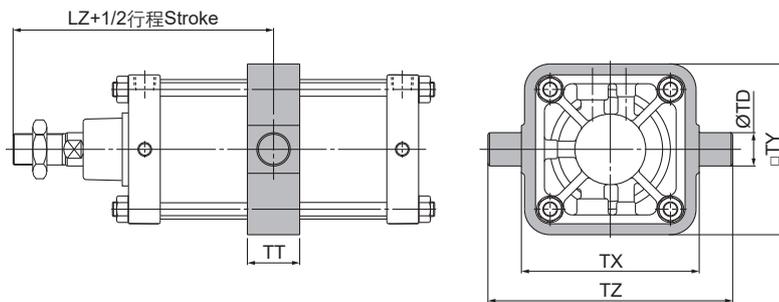
## KC(D)S1D



零件号 Part No.		缸径 Bore size	行程 Stroke	CB	CC	CD	CL	CR	CT	CV	CX1	CX2	CZ	LZ	N	ZZ
KC(D)S1C	KC(D)S1D															
FCS1-C12	FCS1-D12	125	~1200	145	115	25 <sup>+0.084</sup> <sub>0</sub>	65	29	17	48	32 <sup>-0.1</sup> <sub>-0.3</sub>	32 <sup>+0.3</sup> <sub>+0.1</sub>	64 <sup>0</sup> <sub>-0.2</sub>	273	M14x1.5	302
FCS1-C14	FCS1-D14	140	~1200	161	128	28 <sup>+0.084</sup> <sub>0</sub>	75	32	17	58	36 <sup>-0.1</sup> <sub>-0.3</sub>	36 <sup>+0.3</sup> <sub>+0.1</sub>	72 <sup>0</sup> <sub>-0.2</sub>	283	M14x1.5	315
FCS1-C16	FCS1-D16	160	~1200	184	144	32 <sup>+0.1</sup> <sub>0</sub>	80	36	20	60	40 <sup>-0.1</sup> <sub>-0.3</sub>	40 <sup>+0.3</sup> <sub>+0.1</sub>	80 <sup>0</sup> <sub>-0.2</sub>	306	M16x1.5	342
FCS1-C18	FCS1-D18	180	~1200	204	162	40 <sup>+0.1</sup> <sub>0</sub>	90	44	23	67	50 <sup>-0.1</sup> <sub>-0.3</sub>	50 <sup>+0.3</sup> <sub>+0.1</sub>	100 <sup>-0.1</sup> <sub>-0.3</sub>	336	M18x1.5	380
FCS1-C20	FCS1-D20	200	~1200	226	182	40 <sup>+0.1</sup> <sub>0</sub>	90	44	25	65	50 <sup>-0.1</sup> <sub>-0.3</sub>	50 <sup>+0.3</sup> <sub>+0.1</sub>	100 <sup>-0.1</sup> <sub>-0.3</sub>	336	M20x1.5	380
FCS1-C25	FCS1-D25	250	~1200	277	225	50 <sup>+0.1</sup> <sub>0</sub>	110	55	30	80	63 <sup>-0.1</sup> <sub>-0.3</sub>	63 <sup>+0.3</sup> <sub>+0.1</sub>	126 <sup>-0.1</sup> <sub>-0.3</sub>	411	M24x1.5	466
FCS1-C30	FCS1-D30	300	~1200	330	270	63 <sup>+0.12</sup> <sub>0</sub>	115	68	30	85	80 <sup>-0.2</sup> <sub>-0.5</sub>	80 <sup>+0.5</sup> <sub>+0.1</sub>	160 <sup>-0.1</sup> <sub>-0.3</sub>	468	M30x2	536
FCS1-C35	FCS1-D35	350	~1200	380	300	75 <sup>+0.12</sup> <sub>0</sub>	135	80	35	100	95 <sup>-0.2</sup> <sub>-0.5</sub>	95 <sup>+0.5</sup> <sub>+0.1</sub>	195 <sup>-0.1</sup> <sub>-0.3</sub>	552	M36x3	632
FCS1-C40	FCS1-D40	400	~1200	430	480	85 <sup>+0.12</sup> <sub>0</sub>	165	90	35	130	112 <sup>-0.2</sup> <sub>-0.5</sub>	112 <sup>+0.5</sup> <sub>+0.1</sub>	222 <sup>-0.1</sup> <sub>-0.3</sub>	603	M24x1.5	693

\* 未标注尺寸与基本型相同。The unmentioned dimensions are same as the Basic type.

## KC(D)S1T

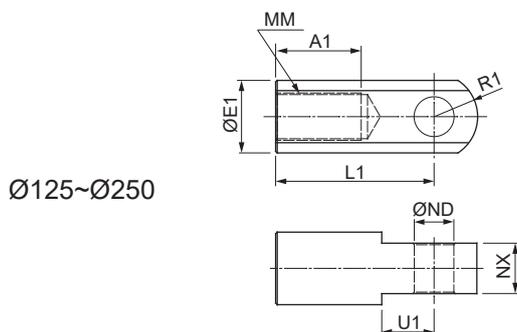


零件号 Part No.	缸径 Bore size	行程 Stroke	LZ	TD	TT	TX	TY	TZ
FCS1-T12	125	~1200	159	32 <sup>-0.05</sup> <sub>-0.09</sub>	50	170	164	234
FCS1-T14	140	~1200	159	36 <sup>-0.05</sup> <sub>-0.09</sub>	55	190	184	262
FCS1-T16	160	~1200	173	40 <sup>-0.05</sup> <sub>-0.09</sub>	59	212	204	292
FCS1-T18	180	~1200	190.5	45 <sup>-0.05</sup> <sub>-0.09</sub>	60	236	228	326
FCS1-T20	200	~1200	190.5	45 <sup>-0.05</sup> <sub>-0.09</sub>	60	265	257	355
FCS1-T25	250	~1200	230.5	56 <sup>-0.06</sup> <sub>-0.10</sub>	69	335	325	447
FCS1-T30	300	~1200	268	67 <sup>-0.06</sup> <sub>-0.10</sub>	80	410	370	544
FCS1-T35	350	~1200	322	80 <sup>-0.06</sup> <sub>-0.10</sub>	90	470	430	630
FCS1-T40	400	~1200	343	90 <sup>-0.06</sup> <sub>-0.10</sub>	100	530	490	710

\* 未标注尺寸与基本型相同。The unmentioned dimensions are same as the Basic type.

## 附件 Accessories

### I型单肘节接头 I type single kunckle joint



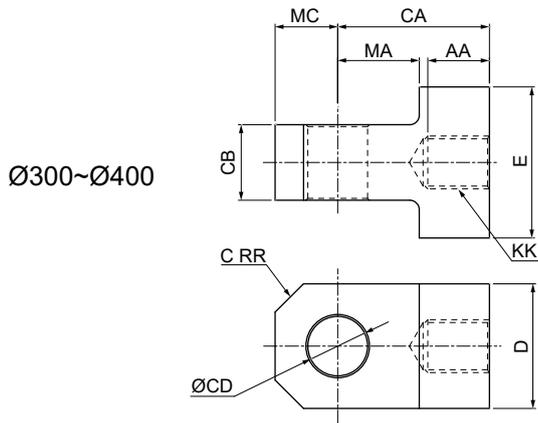
Ø125~Ø250

零件号 Part No.	缸径 Bore size	A1	E1	L1	MM	ND	NX	R1	U1
FCS1-I12	125	54	46	100	M30x1.5	25 <sup>+0.084</sup> <sub>0</sub>	32 <sup>-0.1</sup> <sub>-0.3</sub>	27	33
FCS1-I14	140	54	48	105	M30x1.5	28 <sup>+0.084</sup> <sub>0</sub>	36 <sup>-0.1</sup> <sub>-0.3</sub>	30	39
FCS1-I16	160	60	55	110	M36x1.5	32 <sup>+0.1</sup> <sub>0</sub>	40 <sup>-0.1</sup> <sub>-0.3</sub>	34	39
FCS1-I18	180	67	70	125	M40x1.5	40 <sup>+0.1</sup> <sub>0</sub>	50 <sup>-0.1</sup> <sub>-0.3</sub>	42.5	44
FCS1-I20	200	67	70	125	M45x1.5	40 <sup>+0.1</sup> <sub>0</sub>	50 <sup>-0.1</sup> <sub>-0.3</sub>	42.5	44
FCS1-I25	250	75.5	86	160	M56x2	50 <sup>+0.1</sup> <sub>0</sub>	63 <sup>-0.1</sup> <sub>-0.3</sub>	53	66

# 标准型气缸(大缸径) Standard Air Cylinder (Large Bore Size) Series KCS1

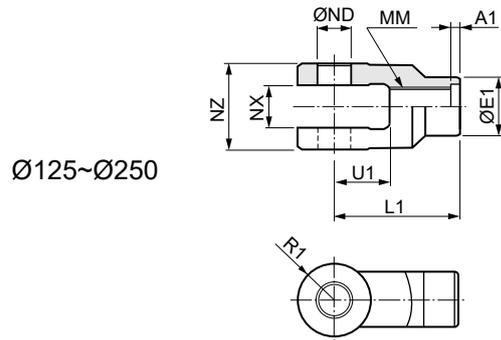
外形尺寸图 Dimensions (mm)

I型单肘节接头 I type single kunckle joint



零件号 Part No.	缸径 Bore size	AA	CA	CB	CD	D	E	KK	MA	MC	RR
FCS1-I30	300	65	160	80 <sup>-0.2</sup> <sub>-0.5</sub>	63 <sup>+0.12</sup> <sub>0</sub>	132	160	M56x2	86	66	30
FCS1-I35	350	75	190	95 <sup>-0.2</sup> <sub>-0.5</sub>	75 <sup>+0.12</sup> <sub>0</sub>	160	190	M68x3	100	80	35
FCS1-I40	400	90	220	112 <sup>-0.2</sup> <sub>-0.5</sub>	85 <sup>+0.12</sup> <sub>0</sub>	190	222	M76x3	110	95	45

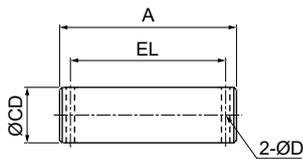
Y型双肘节接头 Y type double kunckle joint



Ø125~Ø250

零件号 Part No.	缸径 Bore size	A1	E1	L1	MM	ND	NX	NZ	R1	U1
FCS1-Y12	125	8	46	100	M30x1.5	25 <sup>+0.084</sup> <sub>0</sub>	32 <sup>+0.3</sup> <sub>+0.1</sub>	64 <sup>-0.1</sup> <sub>-0.3</sub>	27	42
FCS1-Y14	140	8	48	105	M30x1.5	28 <sup>+0.084</sup> <sub>0</sub>	36 <sup>+0.3</sup> <sub>+0.1</sub>	72 <sup>-0.1</sup> <sub>-0.3</sub>	30	47
FCS1-Y16	160	8	55	110	M36x1.5	32 <sup>+0.1</sup> <sub>0</sub>	40 <sup>+0.3</sup> <sub>+0.1</sub>	80 <sup>-0.1</sup> <sub>-0.3</sub>	34	46
FCS1-Y18	180	8	70	125	M40x1.5	40 <sup>+0.1</sup> <sub>0</sub>	50 <sup>+0.3</sup> <sub>+0.1</sub>	100 <sup>-0.1</sup> <sub>-0.3</sub>	42.5	54
FCS1-Y20	200	8	70	125	M45x1.5	40 <sup>+0.1</sup> <sub>0</sub>	50 <sup>+0.3</sup> <sub>+0.1</sub>	100 <sup>-0.1</sup> <sub>-0.3</sub>	42.5	54
FCS1-Y25	250	9	86	160	M56x2	50 <sup>+0.1</sup> <sub>0</sub>	63 <sup>+0.3</sup> <sub>+0.1</sub>	126 <sup>-0.1</sup> <sub>-0.3</sub>	53	81

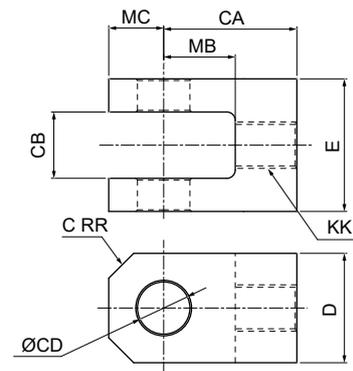
销子 Pin



适用Y型双肘节接头 Applicable for Y type double kunckle joint

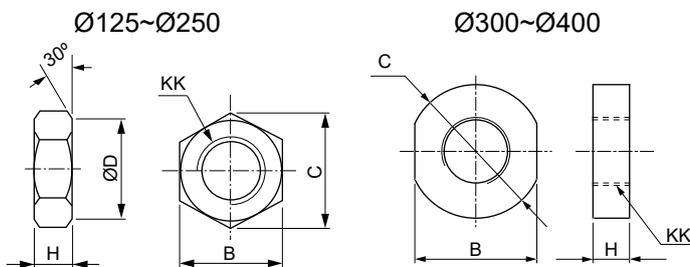
零件号 Part No.	缸径 Bore size	A	CD	D	EL
FIY-12	125	79.5	25 <sup>-0.065</sup> <sub>-0.117</sub>	4	69.5
FIY-14	140	86.5	28 <sup>-0.065</sup> <sub>-0.117</sub>	4	76.5
FIY-16	160	94.5	32 <sup>-0.08</sup> <sub>-0.142</sub>	4	84.5
FIY-18	180, 200	115	40 <sup>-0.08</sup> <sub>-0.142</sub>	4	105
FIY-25	250	144	50 <sup>-0.08</sup> <sub>-0.142</sub>	5	132
FIY-30	300	200	63 <sup>-0.1</sup> <sub>-0.174</sub>	7	176
FIY-35	350	233	75 <sup>-0.1</sup> <sub>-0.174</sub>	8	210
FIY-40	400	260	85 <sup>-0.1</sup> <sub>-0.174</sub>	8	236

Ø300~Ø400



零件号 Part No.	缸径 Bore size	CA	CB	CD	D	E	KK	MB	MC	RR
FCS1-Y30	300	160	80 <sup>+0.5</sup> <sub>+0.2</sub>	63 <sup>+0.12</sup> <sub>0</sub>	132	160	M56x2	86	66	30
FCS1-Y35	350	190	95 <sup>+0.5</sup> <sub>+0.2</sub>	75 <sup>+0.12</sup> <sub>0</sub>	160	190	M68x3	100	80	35
FCS1-Y40	400	220	112 <sup>+0.5</sup> <sub>+0.2</sub>	85 <sup>+0.12</sup> <sub>0</sub>	190	222	M76x3	110	95	45

杆端螺母 Rod end nut



零件号 Part No.	缸径 Bore size	B	C	D	H	KK
FCS1-NT12	125	46	53.1	44	18	M30x1.5
FCS1-NT14	140	46	53.1	44	18	M30x1.5
FCS1-NT16	160	55	63.5	53	21	M36x1.5
FCS1-NT18	180	60	69.3	57	23	M40x1.5
FCS1-NT20	200	70	80.8	67	27	M45x1.5
FCS1-NT25	250	85	98.1	82	34	M56x2
FCS1-NT30	300	100	110	-	30	M56x2
FCS1-NT35	350	110	130	-	40	M68x3
FCS1-NT40	400	120	140	-	40	M76x3