



中型标准气缸 Medium Cylinder

TSI(Ø32~Ø200) Series



TSI系列气缸是欧洲轻型气缸，结构紧凑，安装型式和尺寸符合ISO6431国际标准，具有工作可靠、耐久性好、互换性强的特点。

Common Specification (共同规格)

Bore(缸径)(mm)	32	40	50	63	80	100	125	160	200
Fluid(使用流体)	Clean Air(洁净空气)								
Action(动作形式)	Double Acting(双动)								
Proof Press.(保证耐压力)	1.5Mpa(15kgf/cm ²)								
Max.Press.(最高使用压力)	0.99Mpa(9.9kgf/cm ²)								
Min.Press.(最低使用压力)	0.05Mpa(0.5kgf/cm ²)								
Amb.Temp.(环境和流体温度)	0~60°C								
Piston Speed(活塞速度)	50~500mm/s								
Cushion(缓冲)	Air Cushion(气缓冲)								
Stroke Tolerance(行程公差)	0~250: ^{+1.0} ₀ 251~1000: ^{+1.4} ₀								
*Lubrication(润滑)	Non-Lube(不需要)								
Pipe Size(接管口径) Rc	1/8"	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"	3/4"	3/4"

· Use Tubine Oil 1st-Grade ISOVG32, If Necessary(如需要润滑请用透平1号油ISOVG32)

How To Order (型号表示方法)

TSI B 40 - 100 Y - S - A26B S

Mounting 附件安装方式	Bore 缸径	Stroke 行程	Accessory 附件	*Auto Switch 磁性开关	No. of Auto Switch 磁性开关数量
B Basic Type(基本型)	32, 40, 50, 63, 80, 100, 125, 160, 200	Please refer to the table. 请参考行程表	I I Type Knuckle Joint (I型单肘接头)	Nil(空) None (无磁性开关)	Nil(空) 2(个)
L Foot Type(脚座型)			Y Y Type Knuckle Joint (Y型双肘接头)	A49 Reed Switch(带有接点磁性开关)	S 1(个)
F Front Flange(杆侧法兰)				M9B Reed Switch(带有接点磁性开关)	3 3(个)
G Rear Flange(后法兰)				M9NP Contactless Switch(无接点磁性开关)	
C Single Clevis(单U钩型)			Magnet 有磁环	A26B Reed Switch(带有接点磁性开关)	
D Double Clevis(双U钩型)			Nil(空) None(无磁环)		
E Double Clevis/Bracket(双U钩型接座)			S Built-in Magnet(有磁环)	*Auto Switch (磁性开关) 引线长度表示记号: 无记号-1m(标准) L-3m Z-5m	
T Center Trunnion(中央轴耳)					
R Trunnion Bracket(轴耳接座)					
TA Flange Trunnion(杆侧轴耳)					

Stroke (行程)

Bore (缸径) (mm)	Stroke (标准行程) (mm)
Ø32	
Ø40	
Ø50	25, 50, 75, 100, 125, 150, 175
Ø63	200, 250, 300, 350, 400, 450,
Ø80	500, 600, 700, 800, 900, 1000
Ø100	1100, 1200
Ø125	
Ø160	
Ø200	

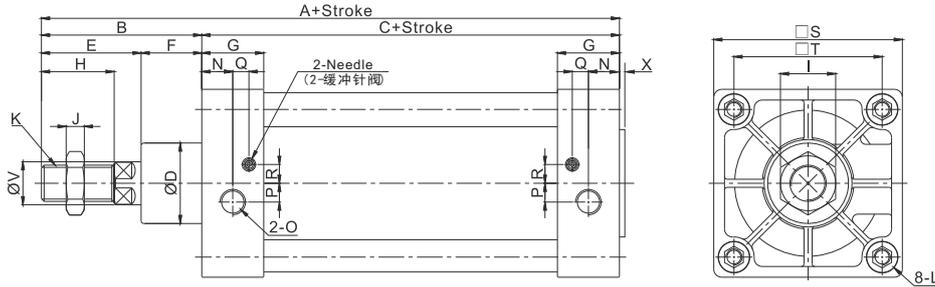
* Contact us for other stroke.
(非标行程请与营业员联系)

中型标准气缸 Medium Cylinder

TSI(Ø32~Ø200) Series

Dimensions(mm)(外形尺寸图(毫米))

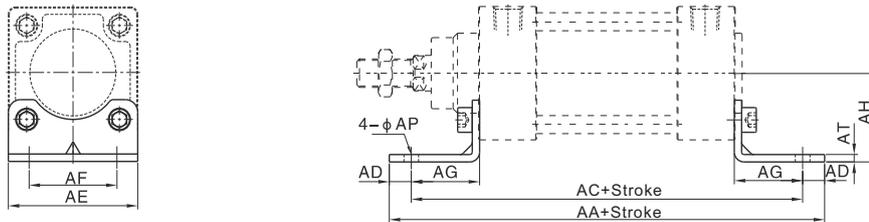
Basic Type(基本型) TSIB



Bore (缸径)(mm)	Stroke Range (行程范围)(mm)	A	B	C	ØD	E	F	G	H	I	J	K	L	N	O (Rc)	P	Q	R	□S	□T	ØV	X
Ø32	~ 500	142	48	94	30	28	20	27.5	22	17	6	M10x1.25	M6	13.5	1/8"	4	7.5	7	47	32.5	12	3
Ø40	~ 500	159	54	105	35	34	22	32	24	19	7	M12x1.25	M6	16	1/4"	6	7.5	9	53	38	16	3.5
Ø50	~ 600	175	69	106	40	42	27	31	32	24	8	M16x1.5	M8	16.5	1/4"	8.5	7.5	7.5	65	46.5	20	3.5
Ø63	~ 600	190	69	121	45	40	29	33	32	24	8	M16x1.5	M8	16.5	3/8"	7.5	8.5	8.5	75	56.5	20	4
Ø80	~ 800	214	86	128	45	53	33	33	40	30	10	M20x1.5	M10	16.5	3/8"	11	8.5	13.5	95	72	25	4
Ø100	~ 800	229	91	138	55	55	36	37	40	30	10	M20x1.5	M10	18.5	1/2"	9.5	9.5	14.5	115	89	25	4
Ø125	~ 1000	279	119	160	60	74	45	46	54	41	13.5	M27x2	M12	23	1/2"	14	12	14	140	110	32	4
Ø160	~ 1000	332	152	180	65	94	58	50	72	55	18	M36x2	M16	25	3/4"	15	12	20	180	140	40	4
Ø200	~ 1200	347	167	180	75	100	67	50	72	55	18	M36x2	M16	25	3/4"	15	12	20	220	175	40	5

Dimensions(mm)(外形尺寸图(毫米))

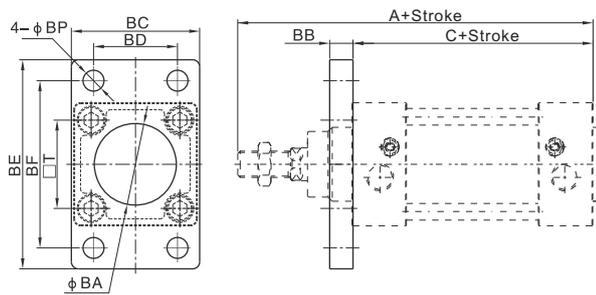
Axial Foot Type(脚座型) TSIL



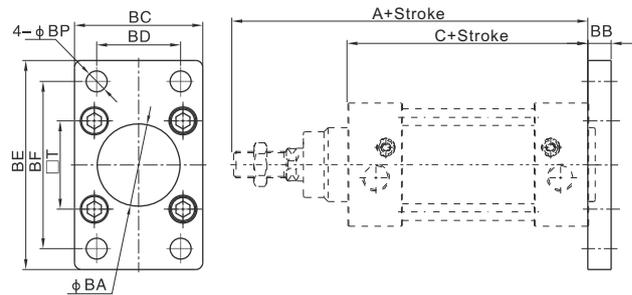
Bore (缸径)(mm)	AA	AC	AD	AE	AF	AG	AH	AP	AT
Ø32	158	142	8	47	32	24	32	7	3
Ø40	179	161	9	53	36	28	36	9	3
Ø50	190	170	10	65	45	32	45	9	3
Ø63	209	185	12	75	50	32	50	9	3
Ø80	248	210	19	95	63	41	63	12.5	4
Ø100	266	220	19	115	75	45	71	14.5	4
Ø125	290	250	20	140	90	45	90	16.5	8
Ø160	340	300	20	180	115	60	115	18.5	8
Ø200	380	320	30	220	135	70	135	24	9

Dimensions(mm)(外形尺寸图(毫米))

Front Flange Type (杆侧法兰) TSIF

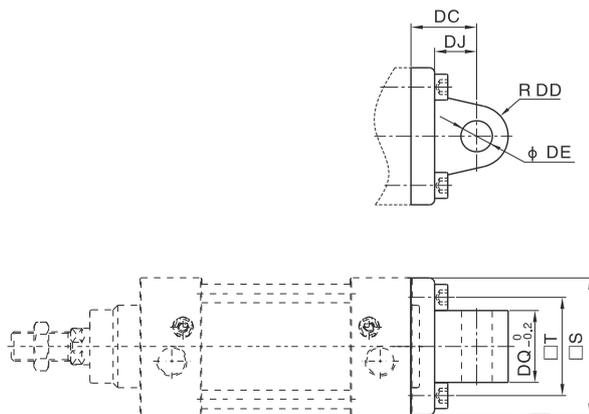


Rear Flange Type (后法兰) TSIG

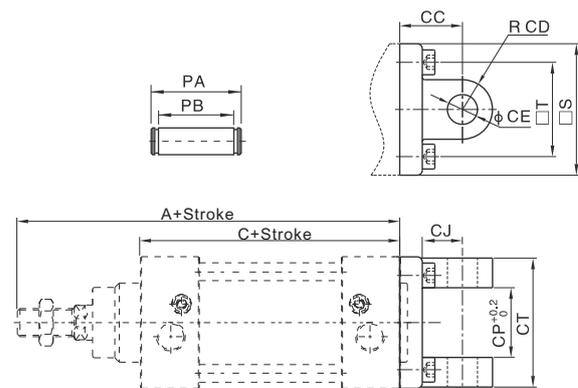


Bore (缸径)(mm)	BA	BB	BC	BD	BE	BF	BP	A	C	T
Ø32	30.5	10	47	32	80	64	7	142	94	32.5
Ø40	35.5	10	53	36	90	72	9	159	105	38
Ø50	40.5	12	65	45	108	90	9	175	106	46.5
Ø63	45.5	12	78	50	120	100	9	190	121	56.5
Ø80	45.5	16	95	63	153	126	12.5	214	128	72
Ø100	55.5	16	115	75	178	150	14.5	229	138	89
Ø125	60.5	20	140	90	224	180	16.5	279	160	110
Ø160	65.5	20	180	115	280	230	18.5	332	180	140
Ø200	75.5	25	220	135	320	270	24	347	180	175

Single Clevis Type (单U钩型) TSIC



Double Clevis Type (双U钩型) TSID



Bore (缸径)(mm)	DC	DD	DE	DJ	DQ	S	T
Ø32	22	11	10	13	25.8	47	32.5
Ø40	25	12	12	16	27.8	53	38
Ø50	27	12	12	17	31.7	65	46.5
Ø63	32	15	16	22	39.7	75	56.5
Ø80	36	15	16	22	49.7	95	72
Ø100	41	20	20	27	59.7	115	89
Ø125	50	25	25	33	69.7	140	110
Ø160	55	30	30	35.5	89.7	180	140
Ø200	60	30	30	37	89.7	220	175

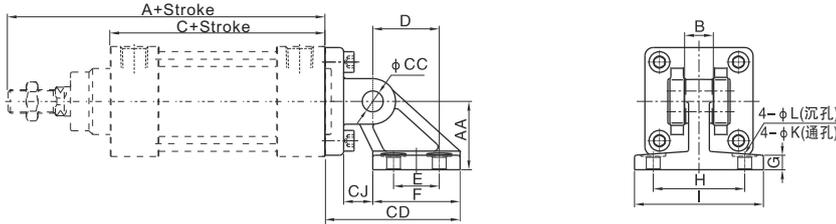
Bore (缸径)(mm)	CC	CD	CE	CJ	CP	CT	PA	PB	S	T
Ø32	22	10.5	10	13	26	45	51	45.5	47	32.5
Ø40	25	12	12	16	28	52	59	52.5	53	38
Ø50	27	12	12	17	32	60	67	60.5	65	46.5
Ø63	32	15	16	22	40	70	77	70.5	75	56.5
Ø80	36	15	16	22	50	90	97	90.5	95	72
Ø100	41	20	20	27	60	110	119	110.5	115	89
Ø125	50	25	25	31	70	130	139	130.5	140	110
Ø160	55	30	30	35.5	90	170	181	170.5	180	140
Ø200	60	30	30	36	90	170	181	170.5	220	175

中型标准气缸 Medium Cylinder

TSI(Ø32~Ø200) Series

Dimensions(mm)(外形尺寸图(毫米))

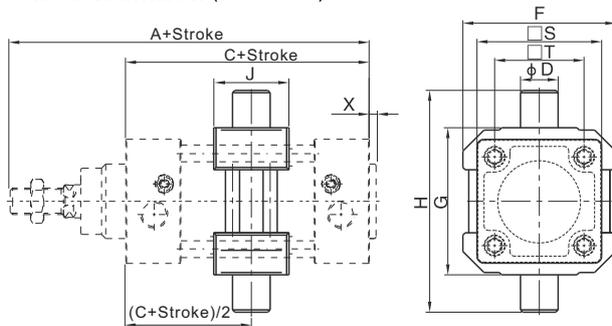
Double Clevis/Bracket(双U钩型接座) TSIE (Work in with D)(与D配合使用)



Bore 缸径 (mm)	A	AA	B	C	CC	CD	CJ	D	E	F	G	H	I	K	L
Ø32	142	32	26	94	10	50	10	21	18	31	8	38	51	6.6	-
Ø40	159	36	28	105	12	56	12	24	22	35	10	41	54	6.6	-
Ø50	175	45	32	106	12	68	13	33	30	45	12	50	65	9	-
Ø63	190	50	40	121	16	77	17	37	35	50	12	52	67	9	-
Ø80	214	63	50	128	16	93	19	47	40	60	14	66	86	11	18
Ø100	229	71	60	138	20	106	22	55	50	70	15	76	96	11	18
Ø125	279	90	70	160	25	135	26	70	60	90	20	94	124	14	20
Ø160	332	115	90	180	30	171	25	97	88	126	25	118	156	14	20
Ø200	347	135	90	180	30	185	31	105	90	130	30	122	162	18	26

Dimensions(mm)(外形尺寸图(毫米))

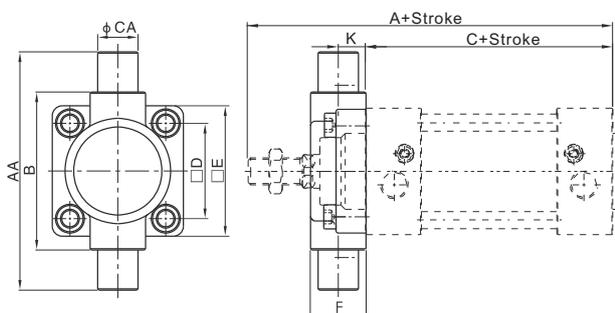
Center Trunnion (中央轴耳) TSIT



Bore (缸径)(mm)	A	C	D	F	G	H	J	S	X	T
Ø32	142	94	12	52	50	74	22	47	3	32.5
Ø40	159	105	16	65	63	95	28	53	3.5	38
Ø50	175	106	16	75	75	107	28	65	3.5	46.5
Ø63	190	121	20	90	90	130	30	75	4	56.5
Ø80	214	128	20	112	110	150	32	95	4	72
Ø100	229	138	25	135	132	182	38	115	4	89
Ø125	279	160	25	170	160	210	40	140	4	110
Ø160	332	180	32	210	200	264	50	180	4	140
Ø200	347	180	32	255	250	314	50	220	5	175

Dimensions(mm)(外形尺寸图(毫米))

Flange Trunnion (杆侧轴耳) TSITA



Bore (缸径)(mm)	32	40	50	63	80	100	125	160	200
A	142	159	175	190	214	229	279	332	347
AA	74	95	107	130	150	182	210	264	314
B	50	63	75	90	110	132	160	200	250
C	94	105	106	121	128	138	160	180	180
CA	12	16	16	20	20	25	25	32	32
D	32.5	38	46.5	56.5	72	89	110	140	175
E	46	52	64	74	94	114	139	179	218
F	19	21	26	28	31	35	43	56	64
K	10	10	12	12	16	16	20	20	20

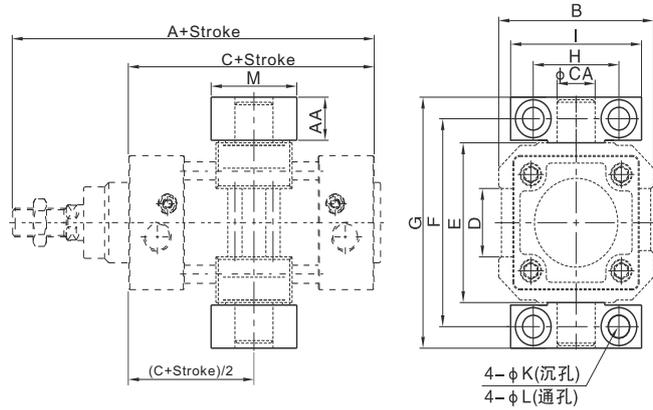
中型标准气缸 Medium Cylinder

TSI(Ø32~Ø200) Series

Dimensions(mm)(外形尺寸图(毫米))

Trunnion Bracket(轴耳接座)TSIR (Work in with T,TA)(与T, TA配合使用)

Bore (缸径)(mm)	32	40	50	63	80	100	125	160	200
A	142	159	175	190	214	229	279	332	347
AA	14	17	17	20.5	20.5	24.5	24.5	30	30
B	52	65	75	90	112	135	170	210	255
C	94	105	106	121	128	138	160	180	180
CA	12	16	16	20	20	25	25	32	32
D	20	27	31	42	54	68	80	100	125
E	50	63	75	90	110	132	160	200	250
F	66	82	94	113.5	133.5	159.5	187.5	234	284
G	80	99	111	134	154	184	212	264	314
H	32	36	36	42	42	50	50	60	60
I	46	55	55	65	65	75	75	92	92
K	11	15	15	18	18	20	20	26	26
L	7	9	9	11	11	14	14	18	18
M	30	36	36	40	40	50	50	60	60



Order Example (订购举例)

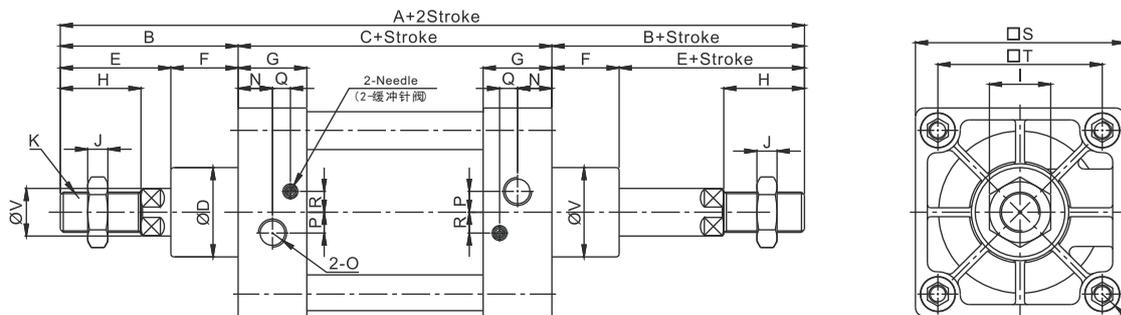
Double Rod Cylinder (双活塞杆型)

TSIWB50-50Y-M9BS
① ② ③ ④ ⑤ ⑥

- ① Mounting 附件安装方式
- ② Bore 缸径
- ③ Stroke 行程
- ④ Knuckle Joint 连接附件
- ⑤ Auto Switch 磁性开关
- ⑥ No. of Auto Switch 磁性开关数量

Dimensions(mm)(外形尺寸图(毫米))

Double Rod Cylinder(活塞杆型)TSIW



Bore (缸径)(mm)	Stroke Range (行程范围)(mm)	A	B	C	ØD	E	F	G	H	I	J	K	L	N	O (Rc)	P	Q	R	□S	□T	ØV
Ø32	~ 500	190	48	94	30	28	20	27.5	22	17	6	M10x1.25	M6	13.5	1/8"	4	7.5	7	47	32.5	12
Ø40	~ 500	213	54	105	35	32	22	32	24	19	7	M12x1.25	M6	16	1/4"	6	8.5	9	53	38	16
Ø50	~ 600	244	69	106	40	42	27	31	32	24	8	M16x1.5	M8	16.5	1/4"	8.5	7.5	7.5	65	46.5	20
Ø63	~ 600	259	69	121	45	40	29	33	32	24	8	M16x1.5	M8	16.5	3/8"	7.5	8.5	8.5	75	56.5	20
Ø80	~ 800	300	86	128	45	53	33	33	40	30	10	M20x1.5	M10	16.5	3/8"	11	8.5	13.5	95	72	25
Ø100	~ 800	320	91	138	55	55	36	37	40	30	10	M20x1.5	M10	18.5	1/2"	9.5	9.5	14.5	115	89	25
Ø125	~ 1000	398	119	160	60	74	45	46	54	41	13.5	M27x2.0	M12	23	1/2"	14	12	14	140	110	32
Ø160	~ 1000	484	152	180	65	94	58	50	72	55	18	M36x2.0	M16	25	1/4"	15	12	20	180	140	40
Ø200	~ 1200	514	167	180	75	100	67	50	72	55	18	M36x2.0	M16	25	3/8"	15	12	20	220	175	40

中型标准气缸 Medium Cylinder

TSI(Ø32~Ø200) Series

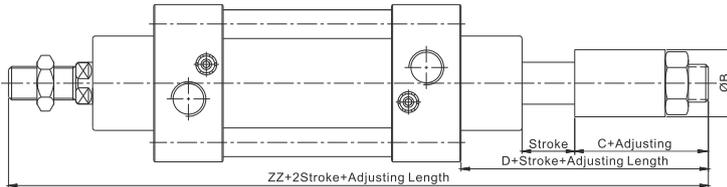
Order Example (订购举例)

Adjustable Stroke Cylinder (可调节行程气缸)

TSIB50-50Y-M9BS -XC8

① ② ③ ④ ⑤ ⑥

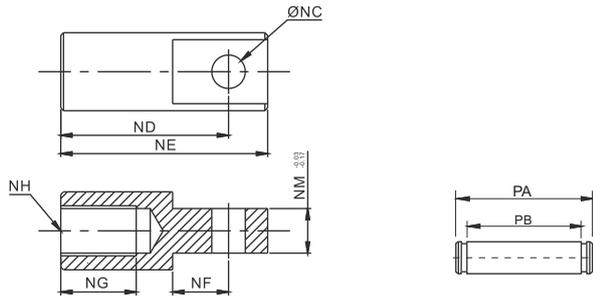
- ① Mounting 附件安装方式
- ② Bore 缸径
- ③ Stroke 行程
- ④ Knuckle Joint 连接附件
- ⑤ Auto Switch 磁性开关
- ⑥ No. of Auto Switch 磁性开关数量



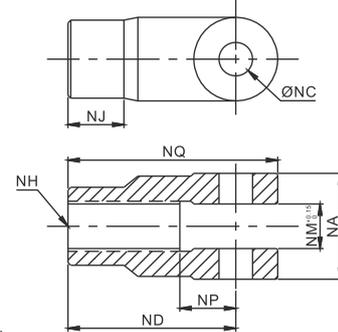
Bore (缸径)	ØB	C	D	ZZ
Ø32	32	27	46	188
Ø40	32	28	49	208
Ø50	42	31	58	233
Ø63	42	31	60	248
Ø80	55	39	72	286
Ø100	55	39	65	304

Dimensions(mm)(外形尺寸图(毫米))

Single Knuckle Joint (I型单肘接头)



Double Knuckle Joint (Y型双肘接头)



Bore (缸径)(mm)	NA	ØNC	ND	NE	NF	NG	NH	NM	NP	NQ	PA	PB
Ø32	19	10	40	50	15	20	M10x1.25	10	20	52	25.6	20
Ø40	25.4	12	48	62	24	20	M12x1.25	12	24	62	32.4	26.2
Ø50	32	16	64	82	32	23	M16x1.5	16	32	80	39	33
Ø63	32	16	64	82	32	23	M16x1.5	16	32	80	39	33
Ø80	44.4	20	80	102	40	30	M20x1.5	20	40	102	53.4	45
Ø100	44.4	20	80	102	40	30	M20x1.5	20	40	102	53.4	45
Ø125	54	30	110	139	51	45	M27x2	30	55	139	64.2	55
Ø160	70	35	144	181	65	55	M36x2	35	73	179	80.2	71
Ø200	70	35	144	181	65	55	M36x2	35	73	179	80.2	71

Part No. of Mounting(安装附件型号)

Bore(缸径)	Ø32	Ø40	Ø50	Ø63	Ø80	Ø100	Ø125	Ø160	Ø200	
Accessory (安装附件)	L	TSI-L032	TSI-L040	TSI-L050	TSI-L063	TSI-L080	TSI-L100	TSI-L125	TSI-L160	TSI-L200
	F	TSI-F032	TSI-F040	TSI-F050	TSI-F063	TSI-F080	TSI-F100	TSI-F125	TSI-F160	TSI-F200
	G									
	C	TSI-C032	TSI-C040	TSI-C050	TSI-C063	TSI-C080	TSI-C100	TSI-C125	TSI-C160	TSI-C200
	D	TSI-D032	TSI-D040	TSI-D050	TSI-D063	TSI-L080	TSI-L100	TSI-L125	TSI-L160	TSI-L200
	E	TSI-E032	TSI-E040	TSI-E050	TSI-E063	TSI-E080	TSI-E100	TSI-E125	TSI-E160	TSI-E200
	T	TSI-T032	TSI-T040	TSI-T050	TSI-T063	TSI-T080	TSI-T100	TSI-T125	TSI-T160	TSI-T200
	R	TSI-R032	TSI-R040		TSI-R063		TSI-R100		TSI-R160	
	TA	TSI-TA032	TSI-TA040	TSI-TA050	TSI-TA063	TSI-TA080	TSI-TA100	TSI-TA125	TSI-TA160	TSI-TA200
Accessory (连接附件)	I	TSI-032I	TSI-040I	TSI-050I		TSI-080I		TSI-125I	TSI-200I	
	Y	TSI-032Y	TSI-040Y	TSI-050Y		TSI-080Y		TSI-125Y	TSI-200Y	