

SH 系列 標準油壓缸

series STANDARD HYDRAULIC CYLINDERS

PÖSU
PNEUMATIC



雙動油壓缸 Double acting hydraulic cylinders

SH...	雙動標準型 DOUBLE ACTING - SINGLE END ROD TYPE	
SH..B..	雙動標準型(附緩衝) DOUBLE ACTING - SINGLE END ROD TYPE (with cushion)	
SHD...	雙動雙軸型 DOUBLE ACTING - DOUBLE END ROD TYPE	

- $\phi 180 \sim \phi 250$ 規格油壓缸為指定生產，可指定為方型或圓型端蓋，相關尺寸備索。
- $\phi 180$ to $\phi 250$ standard hydraulic cylinders are manufactured by order. Square or round covers can be made by order. Relative dimensions can be provided by requested.

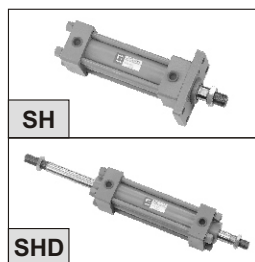
規格表 Specifications

油壓缸內徑 Bore sizes of cylinder (mm)	$\phi 40, \phi 50, \phi 63, \phi 80, \phi 100, \phi 125, \phi 150, \phi 180, \phi 200, \phi 224, \phi 250$
工作媒體 Power fluid	已濾清之標準液壓油 Filtered hydraulic oil
缸管材質 Material of cylinder barrel	鋼管 Steel tube
使用壓力範圍 The range of pressure (kgf/cm ²)	70 / 140
使用速度範圍 Speed range (mm/s)	0.5 ~ 300
使用溫度範圍 The range of temperature (°C)	-10 ~ 60

訂購代號 Order No.

SH 50 × 125 B FA-Y

● 型式 Type



● 行程 Stroke

● 內徑 Bore

40	$\phi 40$
50	$\phi 50$
63	$\phi 63$
80	$\phi 80$
100	$\phi 100$
125	$\phi 125$
150	$\phi 150$
180	$\phi 180$
200	$\phi 200$
224	$\phi 224$
250	$\phi 250$

● 端點緩衝 End cushions

	無緩衝 No cushion
R	軸端緩衝 Rod end with cushion
H	尾端緩衝 End cap with cushion
B	兩端緩衝 Both ends with cushion

● 配件 Accessories

FA	
FB	
LA	
LB	
CA	
CB	
TC	
Y	
I	

修理包 Seal Kit 訂購代號 Order No.

SHSK 40

● 內徑 Bore

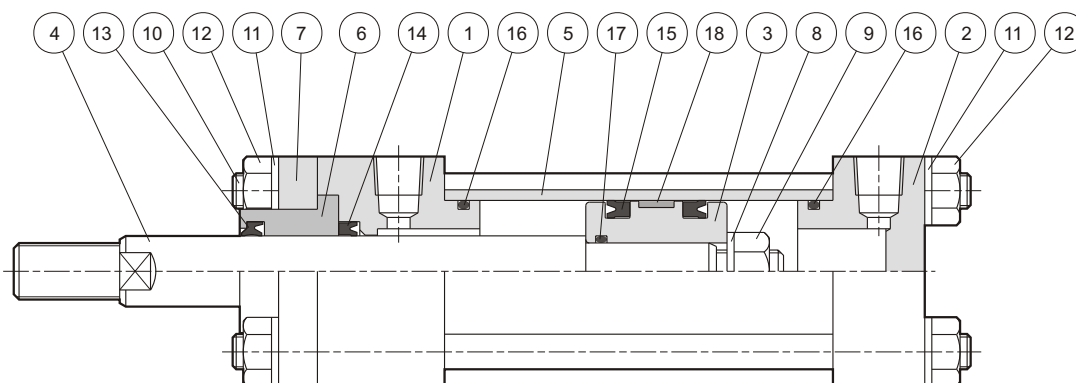
40	SHSK40 - Including No.13,14,15,16,17,18
50	SHSK50 - Including No.13,14,15,16,17,18
63	SHSK63 - Including No.13,14,15,16,17,18
80	SHSK80 - Including No.13,14,15,16,17,18
100	SHSK100 - Including No.13,14,15,16,17,18
125	SHSK125 - Including No.13,14,15,16,17,18
150	SHSK150 - Including No.13,14,15,16,17,18

SHDSK 40

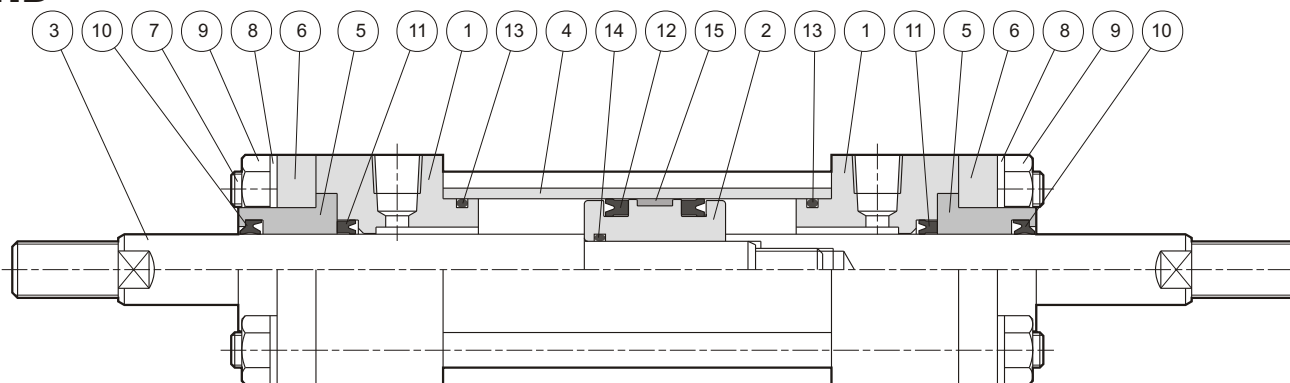
● 內徑 Bore

40	SHDSK40 - Including No.10,11,12,13,14,15
50	SHDSK50 - Including No.10,11,12,13,14,15
63	SHDSK63 - Including No.10,11,12,13,14,15
80	SHDSK80 - Including No.10,11,12,13,14,15
100	SHDSK100 - Including No.10,11,12,13,14,15
125	SHDSK125 - Including No.10,11,12,13,14,15
150	SHDSK150 - Including No.10,11,12,13,14,15

內部結構 Inside structure & parts list

SH

No.	零件名稱 part name	數量 Quantity	No.	零件名稱 part name	數量 Quantity	No.	零件名稱 part name	數量 Quantity
1	前蓋 Rod cover	1	7	壓板 End plate	1	13	灰塵刮刷環 Dust wiper	1
2	後蓋 Head cover	1	8	彈簧墊圈 Spring washer	1	14	前蓋U迫緊 Rod packing	1
3	活塞本體 Piston	1	9	活塞固定螺帽 Piston nut	1	15	活塞U迫緊 Piston packing	2
4	活塞桿 Piston rod	1	10	繫緊螺絲 Tie bolt	4	16	前後蓋O型環 Cylinder gasket	2
5	油缸本體 Cylinder tube	1	11	彈簧墊圈 Spring washer	8	17	活塞O型環 Piston gasket	1
6	軸桿襯套 Rod bush	1	12	螺帽 Nut	8	18	耐磨環 Wearing ring	1

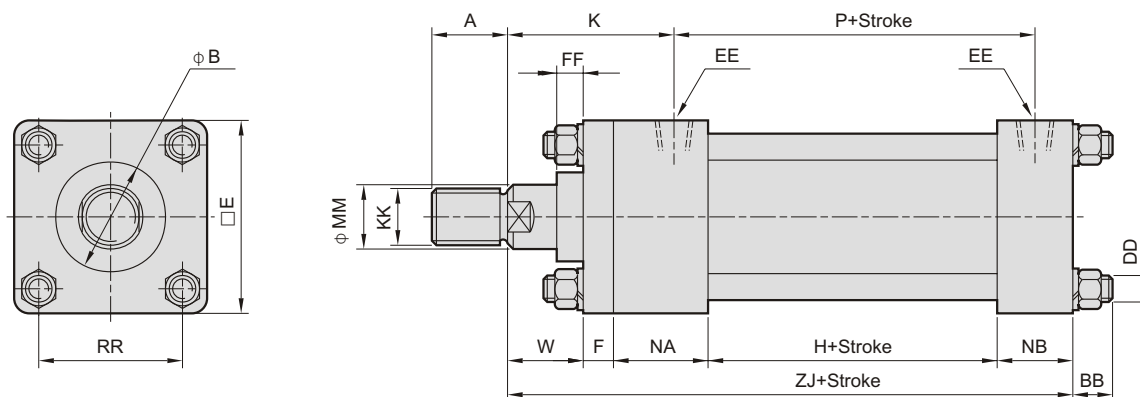
SHD

No.	零件名稱 part name	數量 Quantity	No.	零件名稱 part name	數量 Quantity	No.	零件名稱 part name	數量 Quantity
1	前蓋 Rod cover	2	6	壓板 End plate	2	11	前蓋U迫緊 Rod packing	2
2	活塞本體 Piston	1	7	繫緊螺絲 Tie bolt	4	12	活塞U迫緊 Piston packing	2
3	活塞桿 Piston rod	1	8	彈簧墊圈 Spring washer	8	13	前蓋O型環 Cylinder gasket	2
4	油缸本體 Cylinder tube	1	9	螺帽 Nut	8	14	活塞O型環 Piston gasket	1
5	軸桿襯套 Rod bush	2	10	灰塵刮刷環 Dust wiper	2	15	耐磨環 Wearing ring	1

Standard Hydraulic Cylinders

尺寸圖 Dimension $\phi 40 \sim \phi 150$ **SH** 標準型

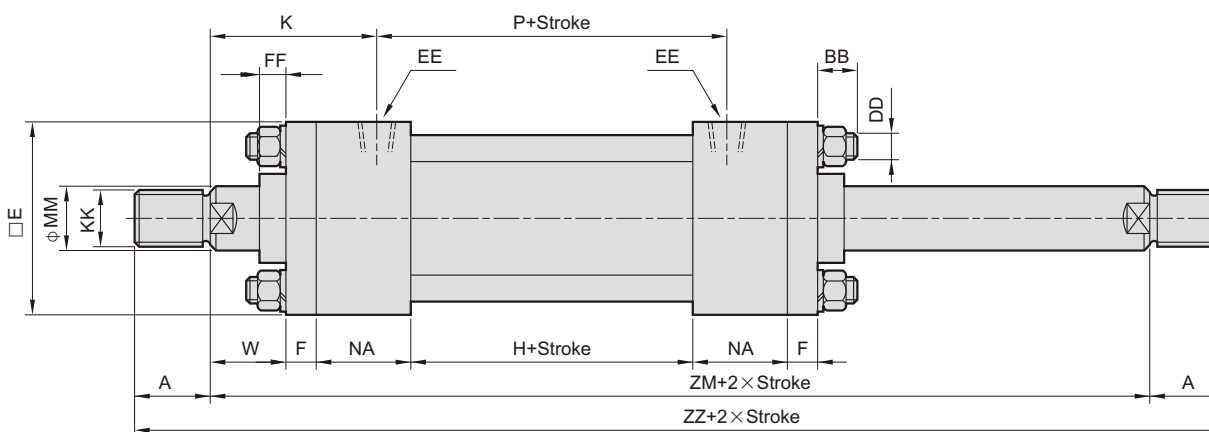
Single end rod type



Bore	A	B	BB	DD	E	EE	F	FF	H	K	KK	MM	NA	NB	P	RR	W	ZJ
$\phi 40$	30	35	16	M10×P1.25	65	PT 1/4	11	11	60	60	M16×P1.5	20	36	26	84	45	25	158
$\phi 50$	35	40	16	M10×P1.25	75	PT 3/8	13	9	60	66	M22×P1.5	25	42	34	88	52	25	174
$\phi 63$	40	50	18	M12×P1.5	90	PT 3/8	15	9	65	73	M30×P1.5	35	42	34	93	63	30	186
$\phi 80$	45	55	18	M16×P1.5	110	PT 1/2	18	7	65	79	M30×P1.5	40	46	39	95	80	30	198
$\phi 100$	50	65	25	M18×P1.5	135	PT 1/2	20	7	74	95	M40×P2.0	50	50	40	104	102	40	224
$\phi 125$	60	75	30	M22×P1.5	165	PT 3/4	25	7	74	109	M48×P2.0	60	58	47	112	122	45	249
$\phi 150$	70	95	30	M26×P1.5	195	PT 3/4	30	7	90	119	M72×P2.0	80	58	48	128	148	50	276

SHD 雙軸型

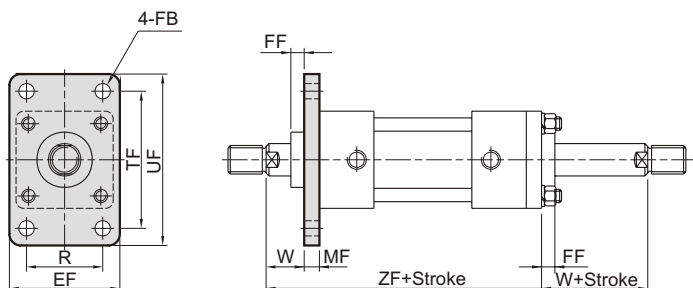
Double end rod type



Bore	A	B	BB	DD	E	EE	F	FF	H	K	KK	MM	NA	P	RR	W	ZM	ZZ
$\phi 40$	30	35	16	M10×P1.25	65	PT 1/4	11	11	60	60	M16×P1.5	20	36	84	45	25	204	264
$\phi 50$	35	40	16	M10×P1.25	75	PT 3/8	13	9	60	66	M22×P1.5	25	42	88	52	25	220	290
$\phi 63$	40	50	18	M12×P1.5	90	PT 3/8	15	9	65	73	M30×P1.5	35	42	93	63	30	239	319
$\phi 80$	45	55	18	M16×P1.5	110	PT 1/2	18	7	65	79	M30×P1.5	40	46	95	80	30	253	343
$\phi 100$	50	65	25	M18×P1.5	135	PT 1/2	20	7	74	95	M40×P2.0	50	50	104	102	40	294	394
$\phi 125$	60	75	30	M22×P1.5	165	PT 3/4	25	7	74	109	M48×P2.0	60	58	112	122	45	330	450
$\phi 150$	70	95	30	M26×P1.5	195	PT 3/4	30	7	90	119	M72×P2.0	80	58	128	148	50	366	506

安裝配件 Accessories 尺寸圖 Dimension $\phi 40 \sim \phi 150$ **FA** 前法蘭型
Front flange

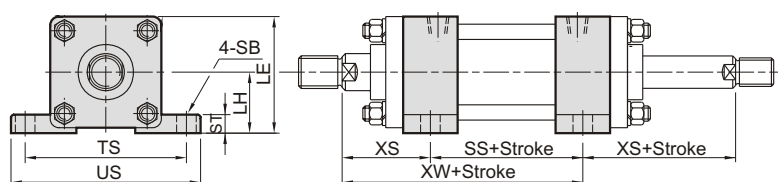
SHD □ FA



Bore	EF	FB	FF	MF	R	TF	UF	W	ZF
$\phi 40$	69	11	11	11	46	95	118	25	179
$\phi 50$	85	11	9	13	58	115	145	25	195
$\phi 63$	98	14	9	15	65	132	165	30	209
$\phi 80$	118	18	7	18	87	155	190	30	223
$\phi 100$	150	22	7	20	109	190	230	40	254
$\phi 125$	175	24	7	25	130	224	272	45	285
$\phi 150$	210	28	7	30	155	270	320	50	316

LA (側向)腳座型
Side lugs

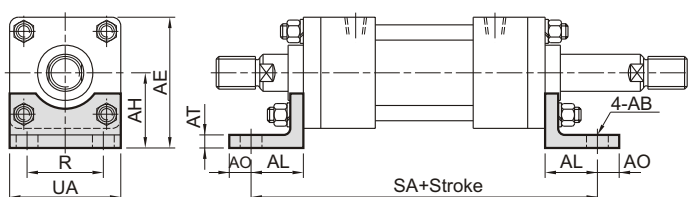
SHD □ LA



Bore	LE	LH	SB	SS	ST	TS	XS	XW	US
$\phi 40$	70	37.5	11	96	14	95	54	150	118
$\phi 50$	82.5	45	11	102	17	115	59	161	145
$\phi 63$	95	50	14	107	19	132	66	173	165
$\phi 80$	115	60	18	111	25	155	71	182	190
$\phi 100$	138.5	71	22	124	27	190	85	209	230
$\phi 125$	167.5	85	24	132	32	224	99	231	272
$\phi 150$	203.5	106	28	148	37	270	109	257	320

LB 腳座型
Foot mounting

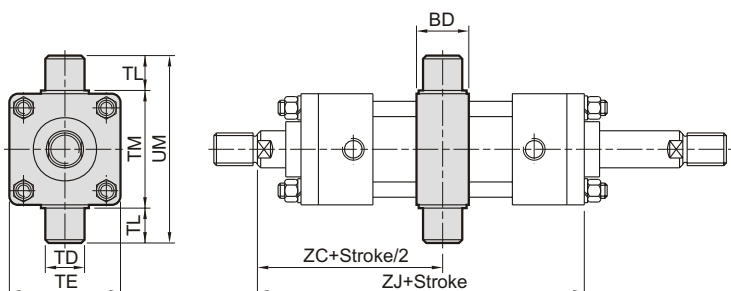
SHD □ LB



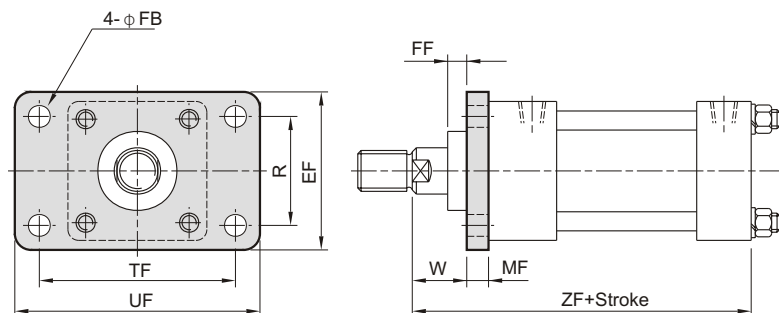
Bore	AB	AE	AH	AL	AO	AT	R	SA	UA
$\phi 40$	11	75.5	43	32.5	13	8	46	219	69
$\phi 50$	11	87.5	50	32.5	15	8	58	235	85
$\phi 63$	14	105	60	37	18	10	65	253	98
$\phi 80$	18	127	72	49	20	12	87	291	118
$\phi 100$	22	152.5	85	58	23	12	109	330	150
$\phi 125$	24	187.5	105	68.5	29	15	130	377	175
$\phi 150$	28	220.5	123	74.5	30	18	155	415	210

TC 砲耳型
Intermediate Pivot

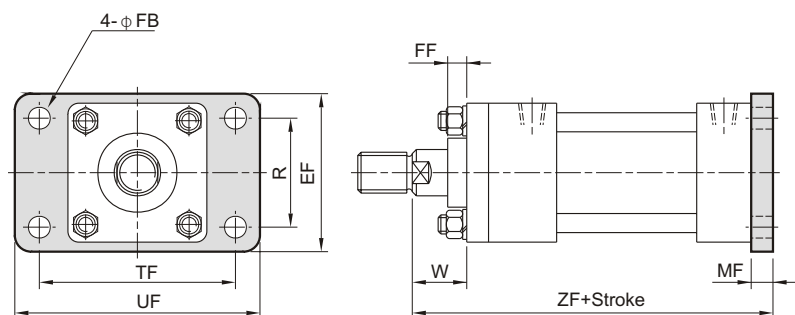
SHD □ TC



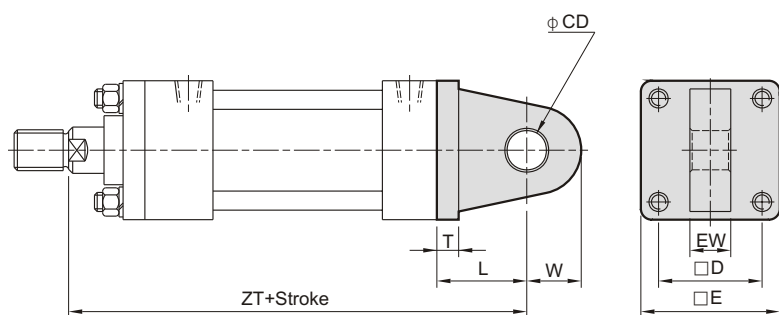
Bore	BD	TE	TD	TL	TM	UM	ZC	ZJ
$\phi 40$	28	65	20	20	69	109	102	179
$\phi 50$	33	75	25	25	85	135	110	195
$\phi 63$	38	90	30	30	98	158	119.5	209
$\phi 80$	38	110	30	30	118	178	126.5	223
$\phi 100$	48	135	40	40	145	225	147	254
$\phi 125$	58	165	50	50	175	275	165	285
$\phi 150$	73	195	60	63	205	331	183	316

尺寸圖 Dimension $\phi 40 \sim \phi 150$ **FA** 前法蘭型
Front flange

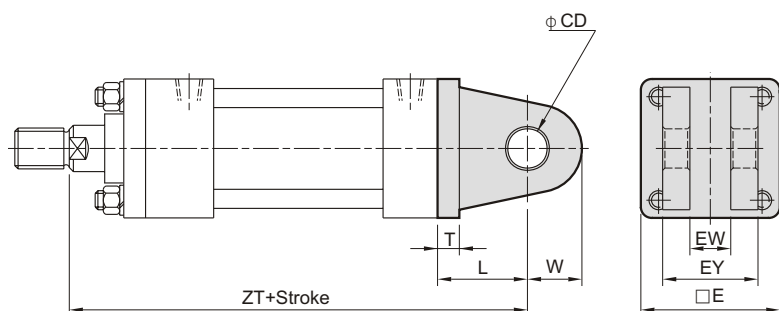
Bore	EF	FB	FF	MF	R	TF	UF	W	ZF
$\phi 40$	69	11	11	11	46	95	118	25	158
$\phi 50$	85	11	9	13	58	115	145	25	174
$\phi 63$	98	14	9	15	65	132	165	30	186
$\phi 80$	118	18	7	18	87	155	190	30	198
$\phi 100$	150	22	7	20	109	190	230	40	224
$\phi 125$	175	24	7	25	130	224	272	45	249
$\phi 150$	210	28	7	30	155	270	320	50	276

FB 後法蘭型
Rear flange

Bore	EF	FB	FF	MF	R	TF	UF	W	ZF
$\phi 40$	69	11	11	11	46	95	118	25	169
$\phi 50$	85	11	9	13	58	115	145	25	187
$\phi 63$	98	14	9	15	65	132	165	30	201
$\phi 80$	118	18	7	18	87	155	190	30	216
$\phi 100$	150	22	7	20	109	190	230	40	244
$\phi 125$	175	24	7	25	130	224	272	45	274
$\phi 150$	210	28	7	30	155	270	320	50	306

CA 單耳型
Male pivot

Bore	CD	D	E	EW	L	T	W	ZT
$\phi 40$	16	45	65	20	38	11	25	196
$\phi 50$	20	52	75	25	45	13	25	219
$\phi 63$	25	63	90	30	54	15	30	240
$\phi 80$	30	80	110	35	71	18	30	269
$\phi 100$	40	102	135	40	86	20	40	310
$\phi 125$	50	122	165	50	110	25	45	359
$\phi 150$	60	148	195	60	109	30	50	385

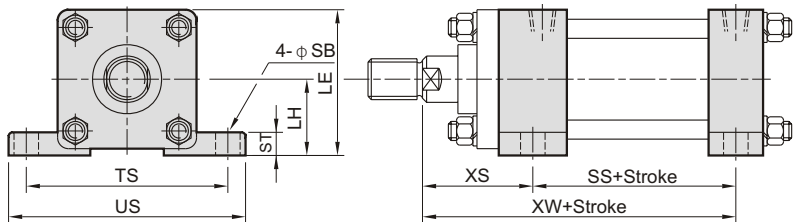
CB 雙耳型
Female pivot

Bore	CD	E	EW	EY	L	T	W	ZT
$\phi 40$	16	65	20	50	38	11	25	196
$\phi 50$	20	75	25	57	45	13	25	219
$\phi 63$	25	90	30	70	54	15	30	240
$\phi 80$	30	110	35	80	71	18	30	269
$\phi 100$	40	135	40	100	86	20	40	310
$\phi 125$	50	165	50	126	110	25	45	359
$\phi 150$	60	195	60	160	109	30	50	385

Standard Hydraulic Cylinders

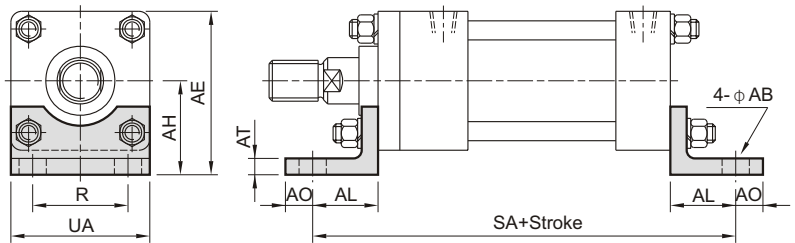
尺寸圖 Dimension $\phi 40 \sim \phi 150$

LA (側向)腳座型
Side lugs



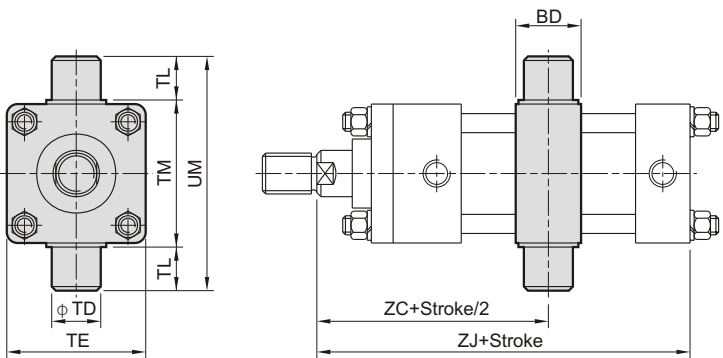
Bore	LE	LH	SB	SS	ST	TS	XS	XW	US
$\phi 40$	70	37.5	11	91	14	95	54	145	118
$\phi 50$	82.5	45	11	98	17	115	59	157	145
$\phi 63$	95	50	14	103	19	132	66	169	165
$\phi 80$	115	60	18	107.5	25	155	71	178.5	190
$\phi 100$	138.5	71	22	119	27	190	85	204	230
$\phi 125$	167.5	85	24	126.5	32	224	99	225.5	272
$\phi 150$	203.5	106	28	143	37	270	109	252	320

LB 腳座型
Foot mounting

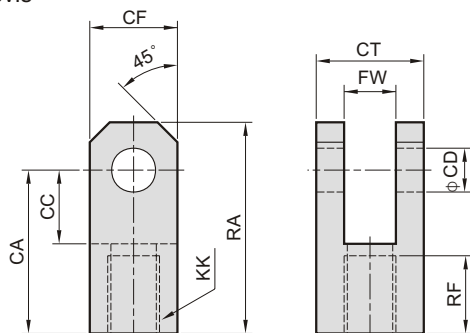


Bore	AB	AE	AH	AL	AO	AT	R	SA	UA
$\phi 40$	11	75.5	43	32.5	13	8	46	198	69
$\phi 50$	11	87.5	50	32.5	15	8	58	214	85
$\phi 63$	14	105	60	37	18	10	65	230	98
$\phi 80$	18	127	72	49	20	12	87	266	118
$\phi 100$	22	152.5	85	58	23	12	109	300	150
$\phi 125$	24	187.5	105	68.5	29	15	130	341	175
$\phi 150$	28	220.5	123	74.5	30	18	155	375	210

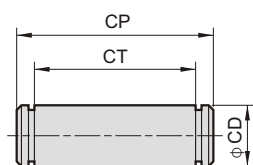
TC 砲耳型
Intermediate Pivot



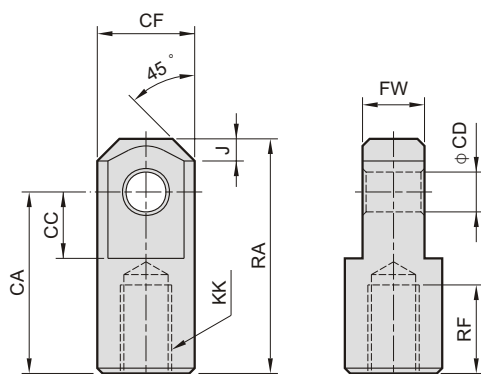
Bore	BD	TE	TD	TL	TM	UM	ZC	ZJ
$\phi 40$	28	65	20	20	69	109	102	158
$\phi 50$	33	75	25	25	85	135	110	174
$\phi 63$	38	90	30	30	98	158	119.5	186
$\phi 80$	38	110	30	30	118	178	126.5	198
$\phi 100$	48	135	40	40	145	225	147	224
$\phi 125$	58	165	50	50	175	275	165	249
$\phi 150$	73	195	60	63	205	331	183	276

軸端配件 Accessories 尺寸圖 Dimension $\phi 40 \sim \phi 150$ Y 型接頭
Rod clevis

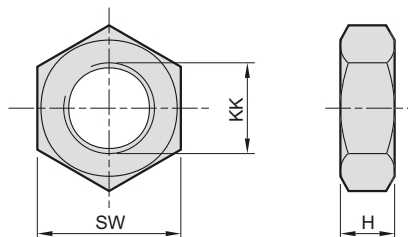
Bore	CA	CC	CD	CF	CT	FW	KK	RA	RF
$\phi 40$	50	26	16	35	45	20	M16×P1.5	66	24
$\phi 50$	60	30	20	40	50	25	M22×P1.5	80	30
$\phi 63$	80	40	25	50	60	30	M30×P1.5	105	40
$\phi 80$	80	40	30	60	65	35	M30×P1.5	110	40
$\phi 100$	90	50	40	80	90	40	M40×P2.0	130	40
$\phi 125$	110	60	50	100	100	50	M48×P2.0	160	50
$\phi 150$	130	70	60	120	120	60	M72×P2.0	190	60

軸銷
Pin

Bore	CD	CP	CT
$\phi 40$	16	59	46
$\phi 50$	20	66	51
$\phi 63$	25	76	61
$\phi 80$	30	81	66
$\phi 100$	40	114	91
$\phi 125$	50	124	101
$\phi 150$	60	156	121

I 型接頭
I Rod end mounting

Bore	CA	CC	CD	CF	FW	J	KK	RA	RF
$\phi 40$	55	30	16	40	20	8	M16×P1.5	75	20
$\phi 50$	65	35	20	50	25	10	M22×P1.5	90	25
$\phi 63$	80	40	25	55	30	12.5	M30×P1.5	110	35
$\phi 80$	90	45	30	60	35	15	M30×P1.5	125	35
$\phi 100$	105	55	40	80	40	20	M40×P2.0	145	40
$\phi 125$	120	65	50	100	50	30	M48×P2.0	170	50
$\phi 150$	140	75	60	120	60	30	M72×P2.0	200	55

軸牙螺帽
Mounting nut

Bore	H	KK	SW
$\phi 40$	8	M16×P1.5	24
$\phi 50$	11	M22×P1.5	32
$\phi 63$	13	M30×P1.5	41
$\phi 80$	13	M30×P1.5	41
$\phi 100$	15	M40×P2.0	57
$\phi 125$	15	M48×P2.0	65
$\phi 150$	20	M72×P2.0	100