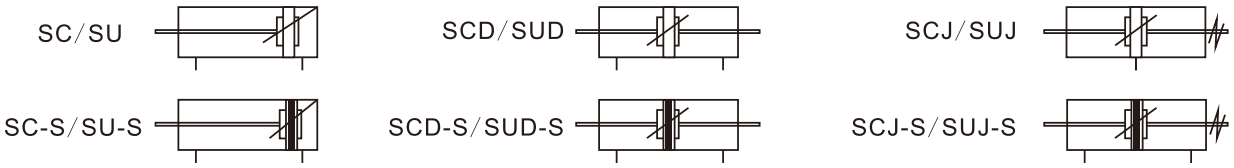
SC/SU Series Standard Cylinder







Ordering Code SC/SU Series Standard Cylinder

S C 5 0 X 5 0 - S - 2 0 - L B

Series code
SC: Standard cylinder
SCD: Double-shaft type
SCJ: Double-shaft, adjustable stroke type
SU: Standard cylinder
SUD: Double-shaft type
SUJ: Double-shaft, adjustable stroke type

Bore

Stroke

Magnet
Nil: Without magnet
S: With magnet

Adjustable stroke
Nil: Standard
10: 10mm
20: 20mm
30: 30mm
40: 40mm
50: 50mm
75: 75mm
100: 100mm

Mounting type
Nil: Standard cylinder
LB: Leg mounting
FA: Front rear plate mounting
FB: Front rear plate mounting
CA: Single trunnion mounting
CB: Double trunnion mounting
CR: Double trunnion with hinge, mounting
TC: Centre trunnion mounting

Note: Adjustable stroke type only available as a double-shaft cylinder.

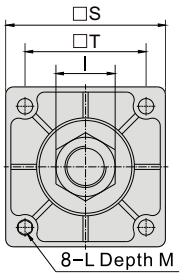
Specifications

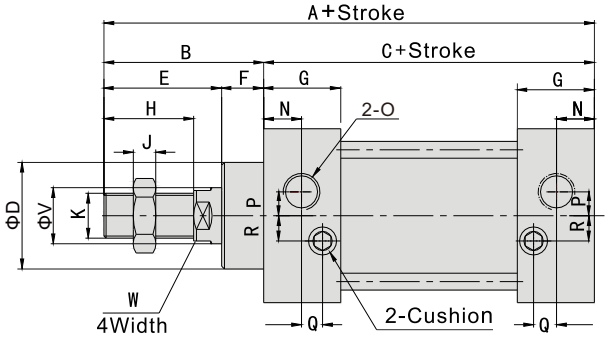
Bore (mm)		32	40	50	63	80	100	125	160	200
Acting type		Double acting								
Working medium		Clean air(40μm filteration)								
Mounting type	SC/SU Series	Basic type FA FB CA CB CR LB TC TC-M								
	SCD/SUD Series	Basic type FA LB TC TC-M								
	SCJ/SUJ Series	Basic type FA LB TC TC-M								
Working pressure range		0.1 to 0.9MPa								
Max. working pressure		1.5MPa								
Working temperature		-5 to 70℃								
Speed range		50 to 800mm/s								
Cushion type		Adjustable cushion								
Cushion stroke		20mm				32mm				45mm
Port size		G1/8	G1/4		G3/8		G1/2			G3/4

SC/SU Series Standard Cylinder

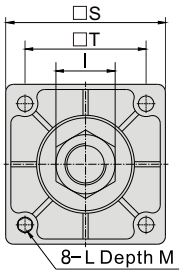
Main Dimensions

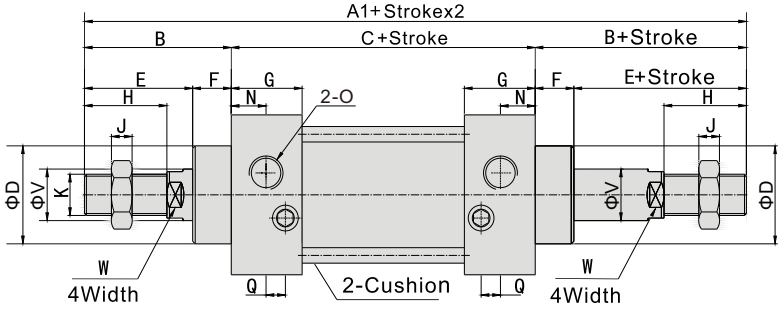
SC Basic type



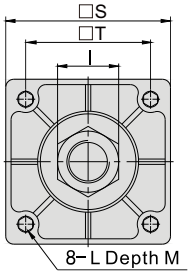


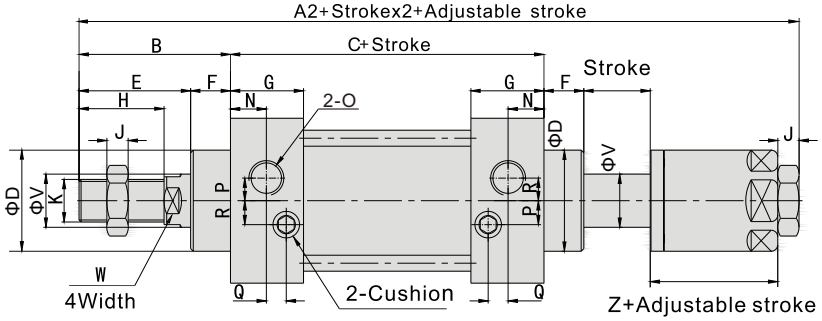
SCD Double shaft type





SCJ Double shaft adjustable stroke type





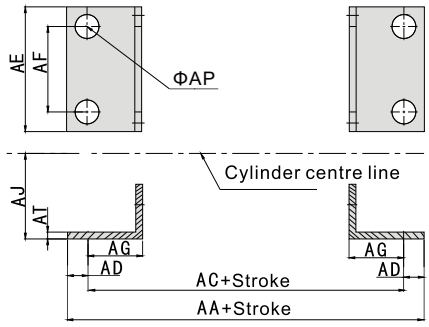
Bore \ Sign	A	A1	A2	B	C	ΦD	E	F	G	H	I	J	K
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10×1.25
40	142	191	185	48	93	32	34	15	27.5	24	17	7	M12×1.25
50	150	207	195	57	93	38	42	15	27.5	32	23	8	M16×1.5
63	153	210	198	57	96	38	42	15	27.5	32	23	8	M16×1.5
80	183	258	243	75	108	47	54	21	33	40	26	10	M20×1.5
100	188	263	244.5	75	113	47	54	21	33	40	26	10	M20×1.5
125	246	347	315	101	145	60	70	31	40	54	41	13.5	M27×2
160	309	/	/	129	180	63	91	38	50	72	50	15	M36×2
200	347	/	/	167	180	75	100	67	50	72	55	18	M36×2

Bore \ Sign	L	M	N	O	P	Q	R	S	T	ΦV	W
32	M6×1	13	13.5	G1/8	3.5	7.5	7	45	33	12	10
40	M6×1	13	15	G1/4	5	5	7.5	50	37	16	14
50	M6×1	13	13.75	G1/4	8.5	4.5	10	62	47	20	17
63	M8×1.25	14	14	G3/8	9	5	8.5	75	56	20	17
80	M10×1.5	15	16.5	G3/8	10	7	13	94	70	25	22
100	M10×1.5	18	16.5	G1/2	10	7	13	112	84	25	22
125	M12×1.75	20	21	G1/2	14.5	7	15	140	110	32	29
160	M16×2	22	25	G1/2	/	/	/	180	140	40	36
200	M16×2	22	23.5	G3/4	/	/	/	220	175	40	36

SC/SU Series Standard Cylinder Brackets

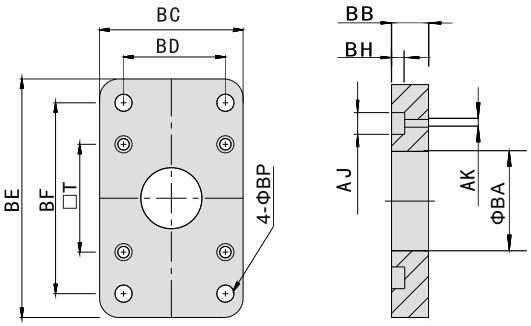
Main Dimensions

LB



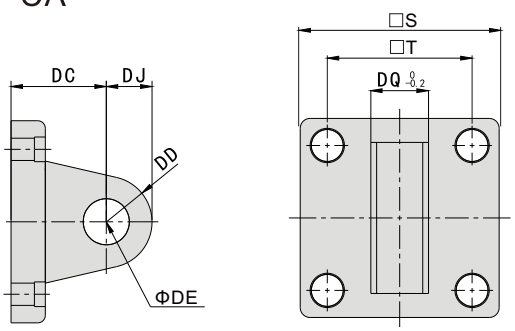
Sign \ Bore	32	40	50	63	80	100	125	160	200
AA	153	169	173	184	200	210	249	328	380
AC	134	140	149	158	168	174	213	288	320
AD	9.5	14.5	12	12	16	18	18	20	20
AE	50	57	68	80	97	112	140	180	220
AF	33	36	47	56	70	84	90	115	135
AG	20.5	23.5	28	31	30	30	45	60	70
AJ	28	30	36.5	41	49	57	90	115	135
ΦAP	9	12	12	12	14	14	16	18	22
AT	3.2	3.2	3.2	3.2	4	4	8	8	10

FA/FB



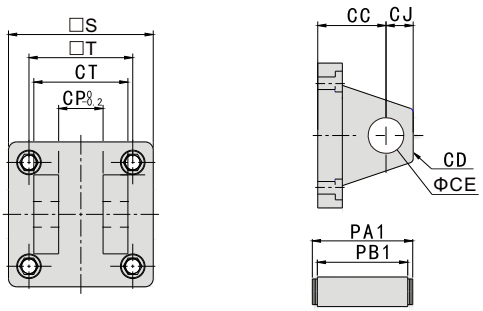
Sign \ Bore	32	40	50	63	80	100	125	160	200
ΦBA	28.3	32.3	38.3	38.3	47.3	47.3	56	63	81
BB	10	10	10	12	16	16	20	25	25
BC	47	52	65	76	95	115	140	180	220
BD	33	36	47	56	70	84	90	115	135
BE	72	84	104	116	143	162	224	280	320
BF	58	70	86	98	119	138	180	230	270
BH	6.5	6.5	6.5	8.5	10.5	10.5	15	20	20
AJ	10.5	10.5	13.5	13.5	16.6	16.6	19	25	25
AK	6.5	6.5	8.5	8.5	10.5	10.5	12.5	16.5	16.5
ΦBP	7	7	9	9	12	12	16	18	22
T	33	37	47	56	70	84	110	140	175

CA



Sign \ Bore	32	40	50	63	80	100	125	160	200
S	48	50	62	75	94	112	140	180	220
T	33	37	47	56	70	84	110	140	175
DC	34	34	34	34	48	48	50	55	60
DD	14	14	15	15	20	20	25	30	30
ΦDE	12	14	14	14	20	20	25	30	30
DJ	14	14	15	15	20	20	25	30	30
DQ	16	20	20	20	32	32	70	90	90

CB

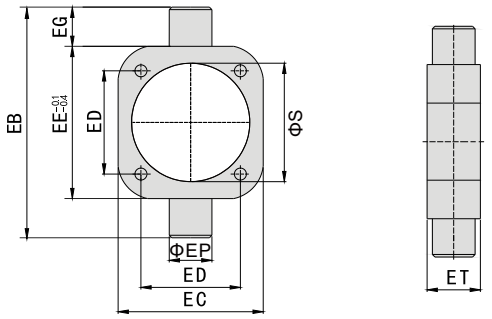


Sign \ Bore	32	40	50	63	80	100	125	160	200
CC	19	19	19	19	32	32	50	55	60
CD	5	5	3	3	8	8	25	30	30
ΦCE	12	14	14	14	20	20	25	30	30
CJ	13	13	15	15	21	21	25	30	30
CP	16.3	20.5	20.3	20.3	32.3	32.3	70	90	90
CT	32	44	52	52	64	64	120	160	160
PA1	41	51.8	60.3	60.3	73.8	73.8	130	170	170
PB1	33.5	45.8	54	54	65.5	65.5	121.5	161.5	161.5
S	48	50	62	75	94	112	140	180	220
T	33	37	47	56	70	84	110	140	175

SC/SU Series Standard Cylinder Brackets

Main Dimensions

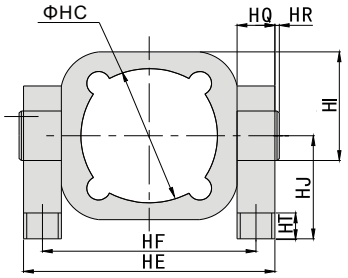
TC

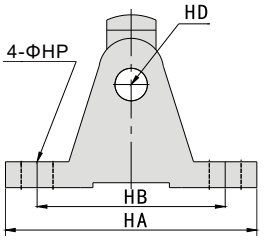


Sign \ Bore	40	50	63	80	100	125	160	200
EB	113	126	138	164	182	210	264	336
EC	63	76	88	114	132	160	200	240
ED	37	47	56	70	84	110	140	175
EE	63	76	88	114	132	160	200	240
EG	30	30	30	30	30	30	32	48
ΦEP	25	30	30	30	30	30	32	38
ET	30	30	30	30	30	30	38	44
ΦS	45.5	55.5	68.5	87.5	107.5	134.5	172.5	212.5

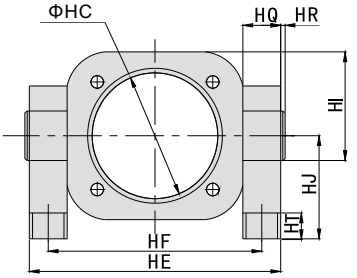
TC-M

For SU Series



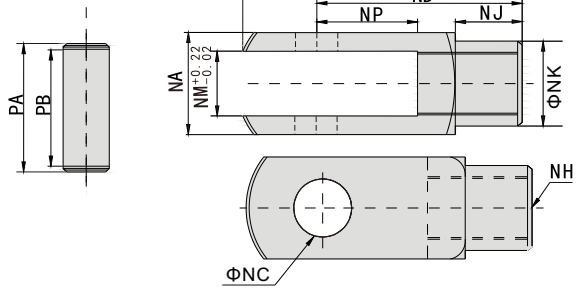


For SC Series

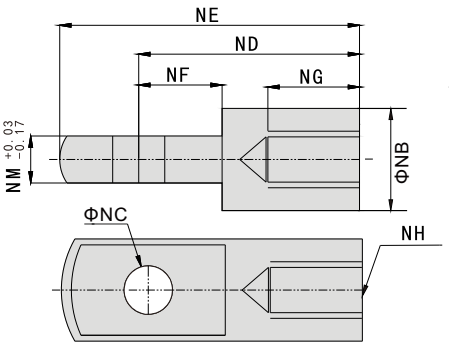


Sign \ Bore	HA	HB	ΦHC	HD	HE	HF	HI	HJ	HQ	HR	HT	ΦHP
40	110	80	45.5	22	109	86	81.5	50	23	2	12	12
50	110	80	55.5	22	122	99	88	50	23	2	12	12
63	110	80	68.5	22	134	111	94	50	23	2	12	12
80	120	85	87.5	22	160	137	127	70	23	2	14	14
100	120	85	107.5	22	178	155	136	70	23	2	14	14

Y Fitting



I Fitting



Sign \ Bore	NA	ΦNB	ΦNC	ND	NE	NF	NG	NH	NJ	ΦNK	NM	NP	NQ	PA	PB
32	19	20	10	40	52	15	20	M10X1.25	12	18	10	20	52	25	19.5
40	25.4	24	12	48	67	24	20	M12X1.25	20	23	12	24	62	32.8	26.5
50	32	32	16	64	89	32	23	M16X1.5	22	30	16	32	83	39.3	33
63	32	32	16	64	89	32	23	M16X1.5	22	30	16	32	83	39.3	33
80	44.4	40	20	80	112	40	30	M20X1.5	30	39	20	40	105	53.3	45
100	44.4	40	20	80	112	40	30	M20X1.5	30	39	20	40	105	53.3	45
125	55	45	25	110	155	40	56	M27X2	30	54	48	64	148	64	55
160	80	54	35	120	201	35	50	M36X2	40	54	40	35	150	91	81
200	80	54	35	120	201	35	50	M36X2	40	54	40	35	150	91	81