

Standard Cylinder

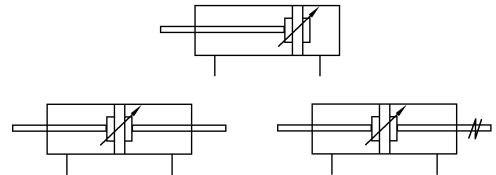
Characteristic:

- Front and rear caps are finished by aluminum alloy die-casting, CNC mechanically processed with high precision.
- Aluminum tube is imported, stainless forever with friction & corrosion resistance.
- Adopt imported none lubrication, long time service and no need lubrication maintenance.
- Unique cushion technique makes smooth action.
- May add the sensor equipment to easily control.
- In terms of SC series, pull-rod is hidden inside.



Specification:

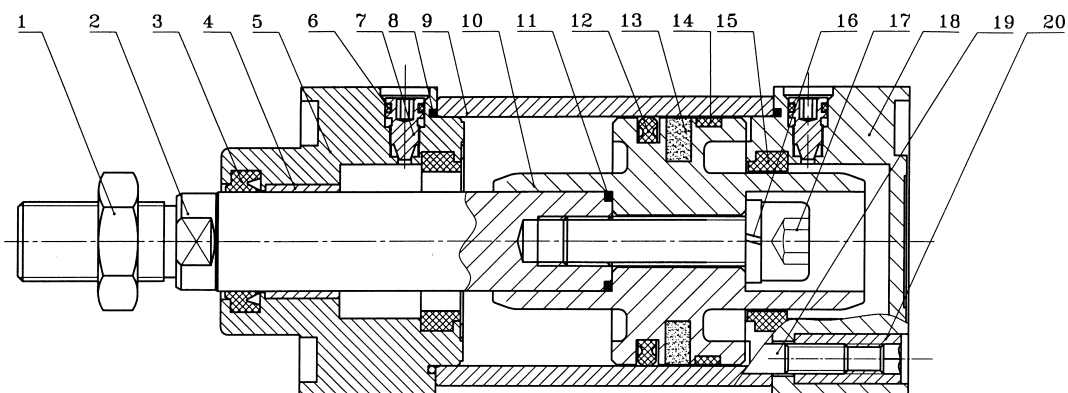
Mode	32	40	50	63	80	100	125	160	200
Motion	Double acting								
Series	SC, SCD, SCJ, SU								
Fluid	Compressed Air								
Operating pressure range(Mpa)	0.1~1								
Operating speed mm/sec	50~500								
Ambient temperature °C	-10~70°C								
Cushion	adjustable cushion at both ends								
Port size	1/8"	1/4"	3/8"	1/2"					



How to order:

SC	50 × 100	FA	S	2																		
series	bore	stroke	mounting type	with magnet	Sensor																	
SC standard cylinder SC double axial cylinder SCJ stroke adjustable cylinder SU pull-rod hidden cylinder	<table border="1"> <tr><td>φ 32</td><td>φ 100</td></tr> <tr><td>φ 40</td><td>φ 125</td></tr> <tr><td>φ 50</td><td>φ 160</td></tr> <tr><td>φ 63</td><td>φ 200</td></tr> <tr><td>φ 80</td><td></td></tr> </table>	φ 32	φ 100	φ 40	φ 125	φ 50	φ 160	φ 63	φ 200	φ 80		<table border="1"> <tr><td>blank(standard)</td><td></td></tr> <tr><td>FA</td><td>CB </td></tr> <tr><td>FB </td><td>LB </td></tr> <tr><td>CA </td><td>TC </td></tr> </table>	blank(standard)		FA	CB	FB	LB	CA	TC	S:with magnet blank; without magnet	1:1 2:2
φ 32	φ 100																					
φ 40	φ 125																					
φ 50	φ 160																					
φ 63	φ 200																					
φ 80																						
blank(standard)																						
FA	CB																					
FB	LB																					
CA	TC																					

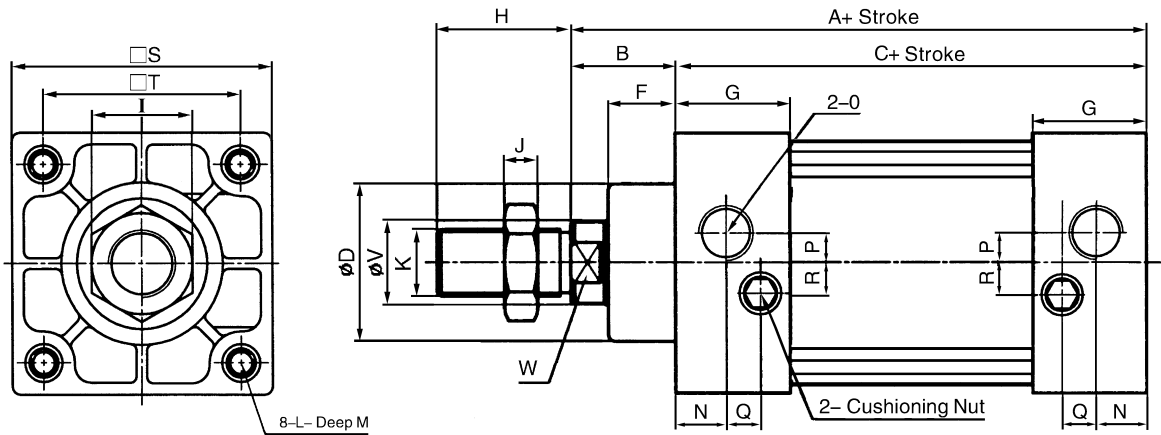
Inner structure drawing:



1	hexagon nut	6	O-ring	11	O-ring	16	spring washer
2	piston ring	7	cushion adjusting bolt	12	C-ring	17	inner hexagon bolt
3	compages seal	8	O-ring	13	magnet	18	rear cover
4	oiled bearing	9	tube	14	guard seals	19	pull-rod
5	front cover	10	piston	15	compages seal	20	pull-rod nut

Standard Dimension:

■ ϕ 32~ ϕ 200

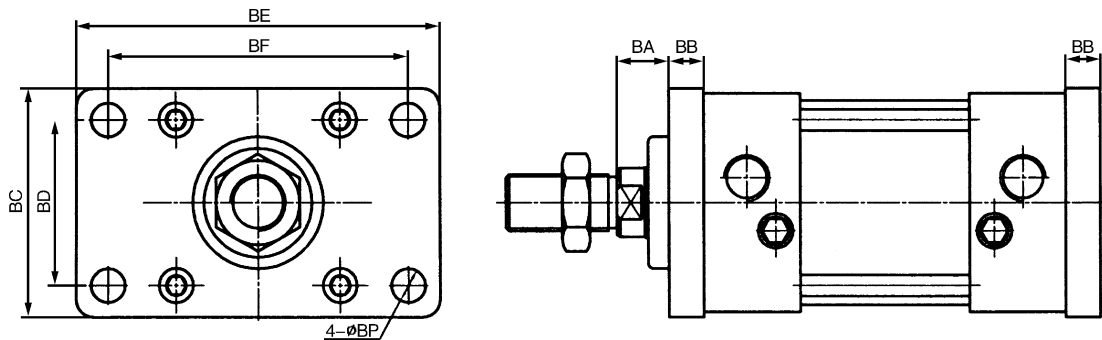


bore/stroke	A	B	C	D	F	G	H	I	J	K	L
32	118	25	93	28	15	27.5	22	17	6	M10 × 1.25	M6
40	118	25	93	32	15	27.5	24	17	7	M12 × 1.25	M6
50	118	25	93	38	16	27.5	32	23	8	M16 × 1.5	M6
63	121	26	96	38	16	27.5	32	23	8	M16 × 1.5	M8
80	143	35	108	43	21	33	40	26	10	M20 × 1.5	M10
100	148	35	113	43	21	33	40	26	10	M20 × 1.5	M10
125	171	47	124	56	32	32	45	41	11	M27 × 2	M12
150	195	55	140	75	35	40	50	46	11	M30 × 1.5	M16
160	195	50	145	64	32	40	50	55	13	M36 × 2	M16
200	202	54	148	66	35	41	60	55	13	M36 × 2	M16

bore/stroke	M	N	O	P	Q	R	S	T	V	W
32	13	12	G1/8"	6	8	6	45.5	33	12	10
40	13	12	G1/4"	6	8	7	50	37	16	13
50	13	12	G1/4"	7	8	8	62	47	20	17
63	13	14	G3/8"	7	8	8	75	56	20	17
80	14	16	G3/8"	10	10	14	94	70	25	22
100	16	16	G1/2"	10	10	11	112	84	25	22
125	15	17	G1/2"	11	6	11	140	110	32	27
150	18	29	G1/2"	11	9	22	170	134	40	36
160	18	24	G1/2"	11	5	12	178	140	40	36
200	18	24	G1/2"	12	6	11	220	175	40	36

FA、FB Dimension:

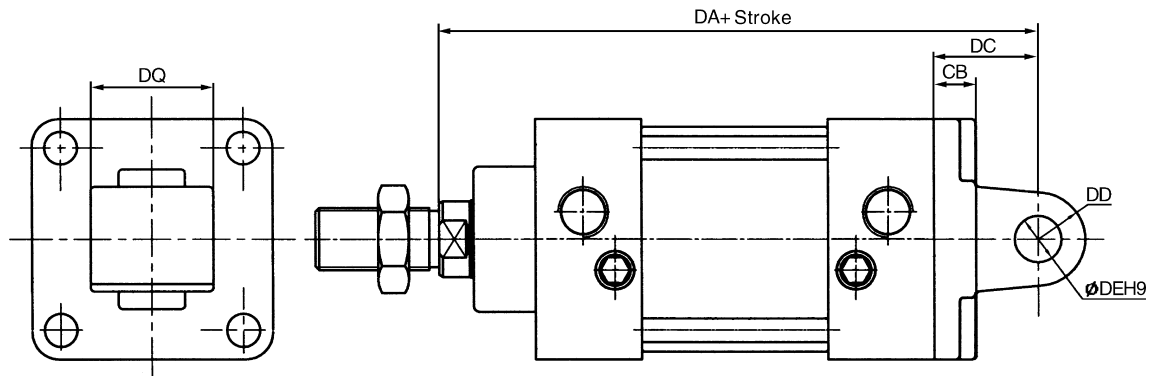
■ ϕ 32~ ϕ 200



bore/stroke	BA	BB	BC	BD	BE	BF	BP
32	15	10	48	33	73	58	6.5
40	15	10	52	36	83	70	6.5
50	14	11	65	47	104	86	6.5
63	15	11	75	56	117	98	9
80	19	16	94	70	143	119	11
100	19	16	115	84	162	138	11
125	27	20	140	90	215	180	16
160	30	20	180	115	270	230	18
200	29	25	220	135	315	270	22

CA Dimension:

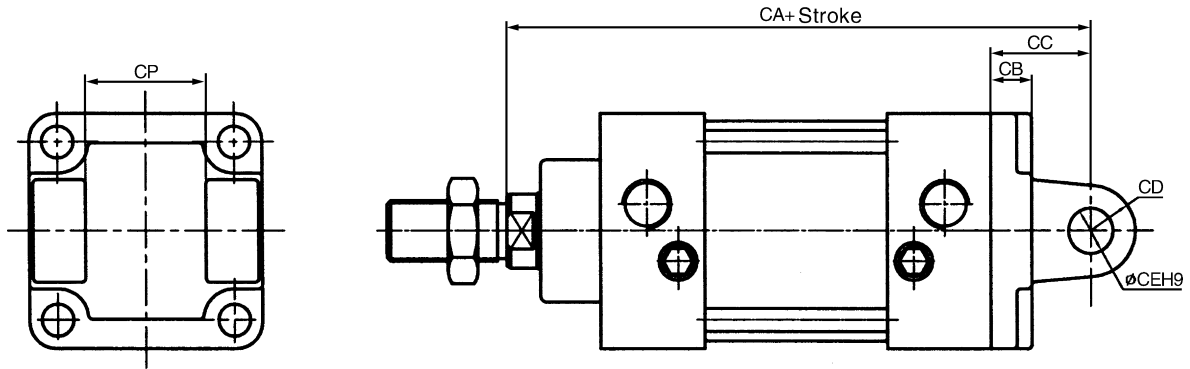
■ ϕ 32~ ϕ 200



bore/stroke	DA	DC	CB	DD	ϕ DE	DQ
32	140	22	9	10	10	26
40	143	25	9	12	12	28
50	145	27	11	12	12	32
63	153	32	11	16	16	40
80	179	36	14	16	16	50
100	189	41	14	20	20	60
125	224	53	20	25	25	70
160	252	57	20	30	30	90
200	262	60	25	30	30	90

CB Dimension:

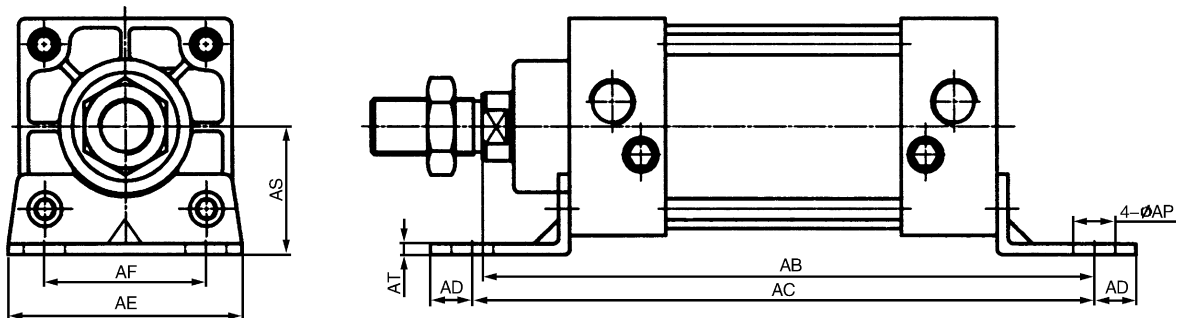
■ $\phi 32 \sim \phi 200$



bore/stroke	CA	CC	CB	CD	ϕCE	CP
32	140	22	9	10	10	26
40	143	25	9	12	12	28
50	145	27	11	12	12	32
63	153	32	11	16	16	40
80	179	36	14	16	16	50
100	189	41	14	20	20	60
125	221	50	20	25	25	70
160	248	53	20	30	30	90
200	264	62	25	30	30	90

LB Dimension:

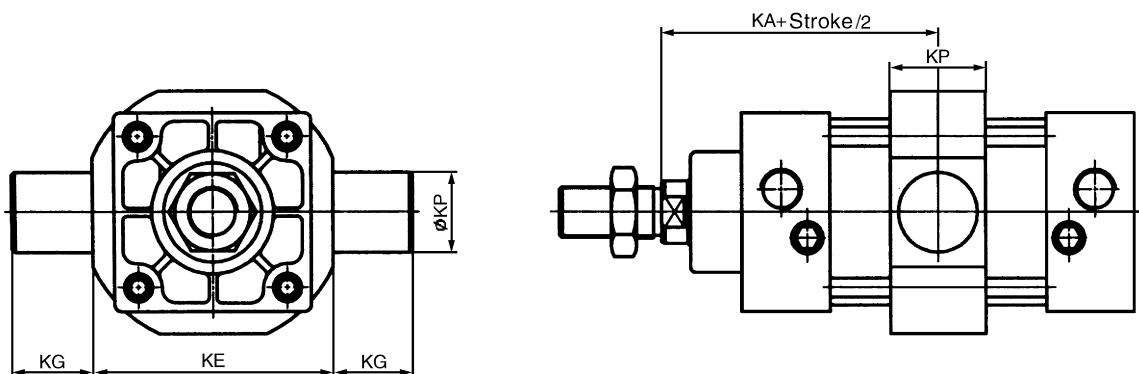
■ $\phi 32 \sim \phi 200$



bore/stroke	AB	AC	AD	AE	AF	AS	AT	AP
32	138.5	134	9.5	50	33	28	3	9
40	141.5	140	14.5	57	36	30	3	12
50	146	149	12	68	47	36.5	3	12
63	153	158	13	80	56	41	3	12
80	172.5	167	16	97	70	49	4	14
100	178	173	16	112	84	57	4	14
125	206	194	25	140	110	90	5	16
160	230.5	216	25	178	140	115	5	18
200	265.5	275	30	220	175	135	6	22

TC Dimension:

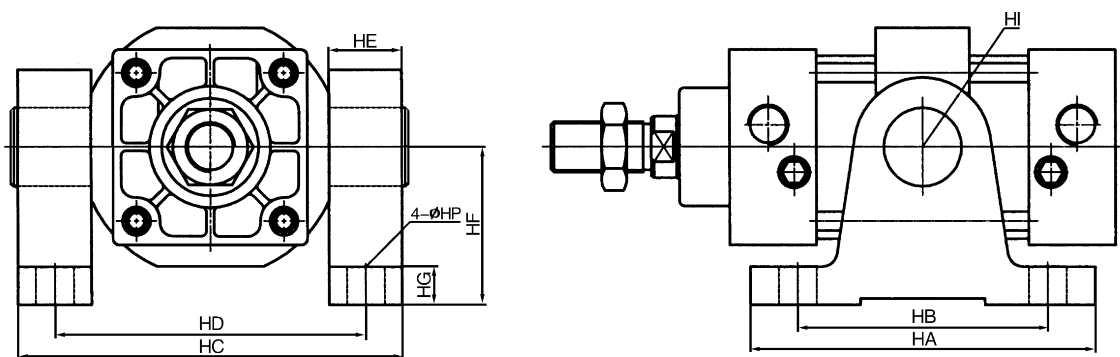
■ $\phi 32 \sim \phi 200$



bore/stroke	KE	KG	KP	KA
32	53	12	12	71.5
40	63	25	25	71.5
50	76	25	25	71.5
63	89	25	25	73
80	114	27	25	89
100	133	25	25	92
125	165	25	30	109
160	207	29	32	120
200	243	36	36	130

TC Foot mounting type Dimension:

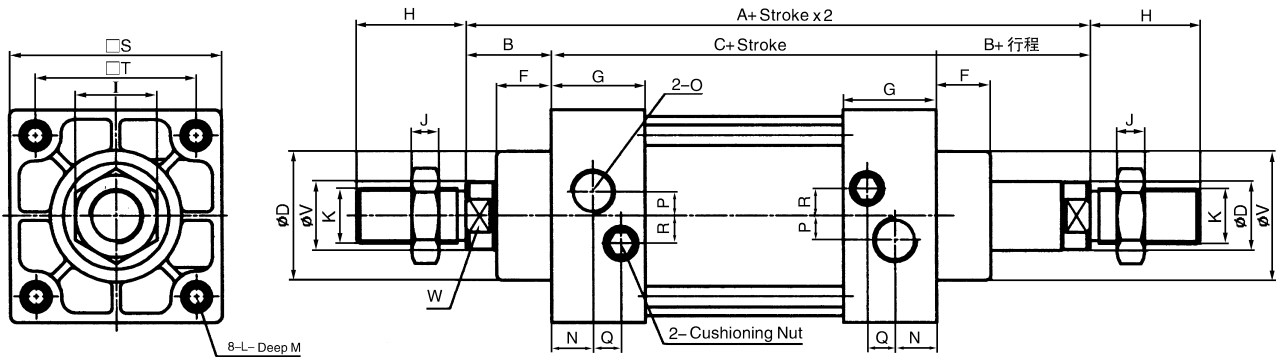
■ $\phi 40 \sim \phi 100$



bore/stroke	HA	HB	HC	HD	HE	HF	HG	HI	HP
40	110	80	109	86	23	50	12	22	12
50	110	80	122	99	23	50	12	22	12
63	110	80	134	111	23	50	12	22	12
80	120	80	160	137	23	70	14	22	14
100	120	80	178	155	23	70	14	22	14

Standard Dimension:

■ ϕ 32~ ϕ 200

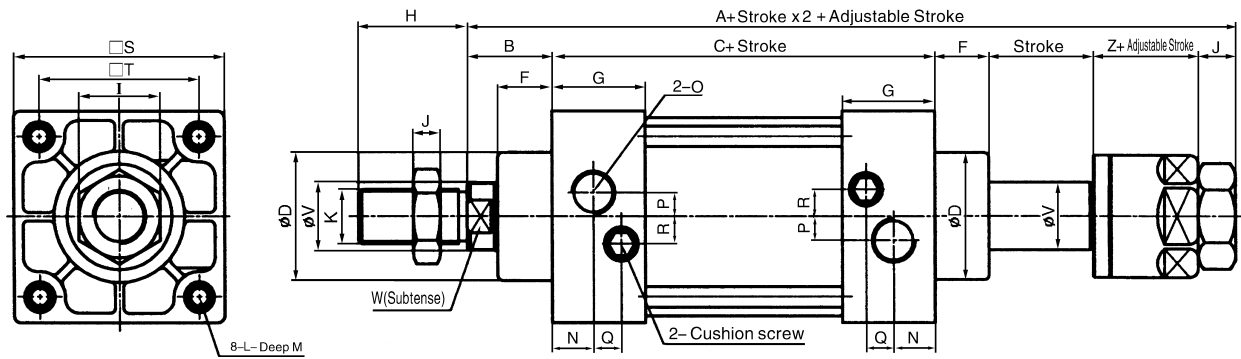


bore/stroke	A	B	C	D	F	G	H	I	J	K	L
32	143	25	93	28	15	27.5	22	17	6	M10 × 1.25	M6
40	143	25	93	32	15	27.5	24	17	7	M12 × 1.25	M6
50	143	25	93	38	16	27.5	32	23	8	M16 × 1.5	M6
63	147	26	96	38	16	27.5	32	23	8	M16 × 1.5	M8
80	178	35	108	43	21	33	40	26	10	M20 × 1.5	M10
100	183	35	113	43	21	33	40	26	10	M20 × 1.5	M10
125	218	47	124	56	32	32	45	41	11	M27 × 2	M12
160	245	50	145	64	32	40	50	55	13	M36 × 2	M16
200	256	54	148	66	35	41	60	55	13	M36 × 2	M16

bore/stroke	M	N	O	P	Q	R	S	T	V	W
32	13	12	G1/8"	6	8	6	45.5	33	12	10
40	13	12	G1/4"	6	8	7	50	37	16	13
50	13	12	G1/4"	7	8	8	62	47	20	17
63	13	14	G3/8"	7	8	8	75	56	20	17
80	14	16	G3/8"	10	10	14	94	70	25	22
100	16	16	G1/2"	10	10	11	112	84	25	22
125	15	17	G1/2"	11	6	11	140	110	32	27
160	18	24	G1/2"	11	5	12	178	140	40	36
200	18	24	G1/2"	12	6	11	220	175	40	36

Standard Dimension:

■ ϕ 32~ ϕ 200



bore/stroke	A	B	C	D	F	G	H	I	J	K	L
32	160	25	93	28	15	27.5	22	17	6	M10 × 1.25	M6
40	161	25	93	32	15	27.5	24	17	7	M12 × 1.25	M6
50	165	25	93	38	16	27.5	32	23	8	M16 × 1.5	M6
63	168	26	96	38	16	27.5	32	23	8	M16 × 1.5	M8
80	203	35	108	43	21	33	40	26	10	M20 × 1.5	M10
100	208	35	113	43	21	33	40	26	10	M20 × 1.5	M10
125	249	47	124	56	32	32	45	41	11	M27 × 2	M12
160	280	50	145	64	32	40	50	55	13	M36 × 2	M16
200	290	54	148	66	35	41	60	55	13	M36 × 2	M16

bore/stroke	M	N	O	P	Q	R	S	T	V	W	Z
32	13	12	G1/8"	6	8	6	45.5	33	12	10	21
40	13	12	G1/4"	6	8	7	50	37	16	13	21
50	13	12	G1/4"	7	8	8	62	47	20	17	23
63	13	14	G3/8"	7	8	8	75	56	20	17	23
80	14	16	G3/8"	10	10	14	94	70	25	22	29
100	16	16	G1/2"	10	10	11	112	84	25	22	29
125	15	17	G1/2"	11	6	11	140	110	32	27	35
160	18	24	G1/2"	11	5	12	178	140	40	36	40
200	18	24	G1/2"	12	6	11	220	175	40	36	40