STNC®

ADVU series compact cylinder

Product characteristics

Cylinder bore and front cover are threaded connection, with good strength, easy maintenance; hard oxidation process has been done after roll extrusion of inner diameter of cylinder bore assure the good resistance and durability; the piston seal adopts with shaped two-way seal design, has the features of compacted size and oil storing.

Graphics Sign

Ordering Code

ADVU — 20 X 30 — B — LB

- 20 X 30: Bore / Stroke
- B: Blank: female thread; B: male thread; N: no teeth
- LB: Fix type: blank: without installation accessories; FA: front port be fixed; CA: back port be fixed (pivot type); CB: back port be fixed (clevis type); LB: front and back be fixed

Ordering example

1) Bore: 20mm, Stroke: 50mm, LB installation, Code : ADVU–20×50–LB

Standard Specification

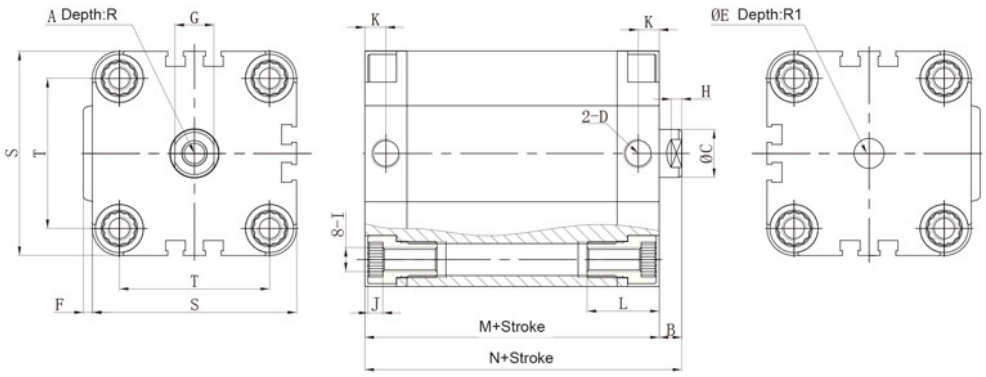
Bore(mm)	12	16	20	25	32	40	50	63	80	100
Fluid	Air									
Action type	Double action、single action、spring draw/spring extrude									
Max.pressure	1.5MPa									
Pressure (Double acting)	0.1–1.0MPa									
Pressure (Single acting)	0.2–1.0MPa									
Temperature range	–10 ~ 60℃									
Cushion type	fender									
Piston speed	Double action 30 ~ 500mm/s single action 50 ~ 500mm/s									
Port size	M5X0.8				G1/8					G1/4

Stroke

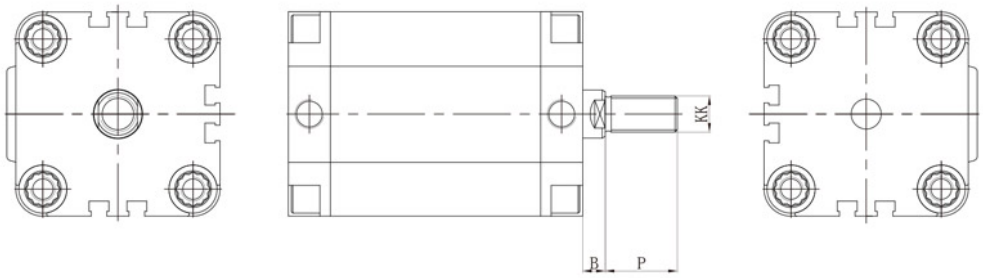
Bore(mm)		standard stroke (mm)	Max stroke	Allow stroke
12	Double acting	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 125 150 160 175 200	200	200
16	Single acting	5 10		
20	Double acting	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 125 150 160 175 200	200	200
25	Single acting	5 10 15 20 25		
32 40	Double acting	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 125 150 160 175 200	300	300
50 63	Single acting	5 10 15 20 25		
80 100	Double acting	5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 110 120 125 150 160 175 200	400	400

■ Figure Dimension

Female thread



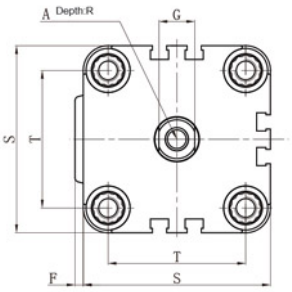
Male thread

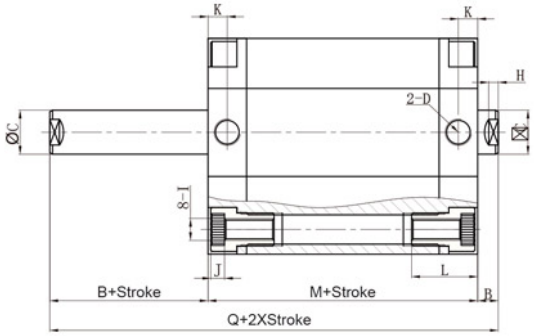


Bore	A	B	C	D	E	F	G	H	I	J	K	L	M	N	S	T	KK	P	R	R1
16	M4	4.5	8	M5	6	1	7	2.5	M4	4	7.5	18	38	42.5	29	18	M8	16	12	4
20	M5	4.5	10	M5	6	1.5	8	3	M5	4.5	7	19	38	42.5	36	22	M10×1.25	22	13	4
25	M5	5.5	10	M5	6	1.5	8	3	M5	4.5	7.5	19	39.5	45	40	26	M10×1.25	22	13	4
32	M6	6	12	G1/8	6	2	10	3.5	M6	5.5	7.5	22	44.5	50.5	50	32	M10×1.25	22	13	4
40	M6	6.5	12	G1/8	8	2.5	10	3.5	M6	5.5	7.5	22	45.5	52	60	42	M10×1.25	22	13	5
50	M8	7.5	16	G1/8	10	3	13	3.5	M8	6	8	22.5	45.5	53	68	50	M12×1.25	24	16	5
63	M8	7.5	16	G1/8	10	4	13	3.5	M10	7.5	8	26	50	57.5	87	62	M12×1.25	24	16	5
80	M10	8	20	G1/8	10	4	17	5	M10	7.5	8	26	56	64	107	82	M16×1.5	32	17	5
100	M10	10	25	G1/4	–	–	22	–	M10	–	–	–	66.5	76.5	128	103	M20×1.5	–	–	–

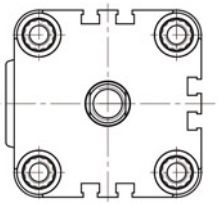
■ Figure Dimension

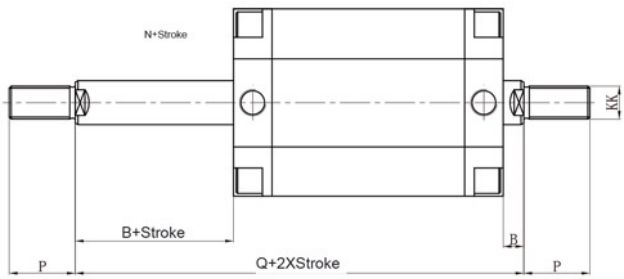
Female thread





Male thread





Bore	A	B	C	D	F	G	H	I	J	K	L	M	N	S	T	KK	P	R	Q
16	M4	4.5	8	M5	1	7	2.5	M4	4	7.5	18	38	42.5	29	18	M8	16	12	47
20	M5	4.5	10	M5	1.5	8	3	M5	4.5	7	19	38	42.5	36	22	M10×1.25	22	13	47
25	M5	5.5	10	M5	1.5	8	3	M5	4.5	7.5	19	39.5	45	40	26	M10×1.25	22	13	50.5
32	M6	6	12	G1/8	2	10	3.5	M6	5.5	7.5	22	44.5	50.5	50	32	M10×1.25	22	13	56.5
40	M6	6.5	12	G1/8	2.5	10	3.5	M6	5.5	7.5	22	45.5	52	60	42	M10×1.25	22	13	58.5
50	M8	7.5	16	G1/8	3	13	3.5	M8	6	8	22.5	45.5	53	68	50	M12×1.25	24	16	60.5
63	M8	7.5	16	G1/8	4	13	3.5	M10	7.5	8	26	50	57.5	87	62	M12×1.25	24	16	65
80	M10	8	20	G1/8	4	17	5	M10	7.5	8	26	56	64	107	82	M16×1.5	32	17	72
100	M10	10	25	G1/4	–	22	–	M10	–	–	–	66.5	76.5	128	103	M20×1.5	40	–	–