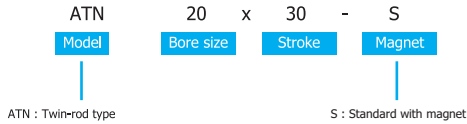


Pneumatic Equipment

Twin Rod Cylinder (ATN Series)



Ordering Code



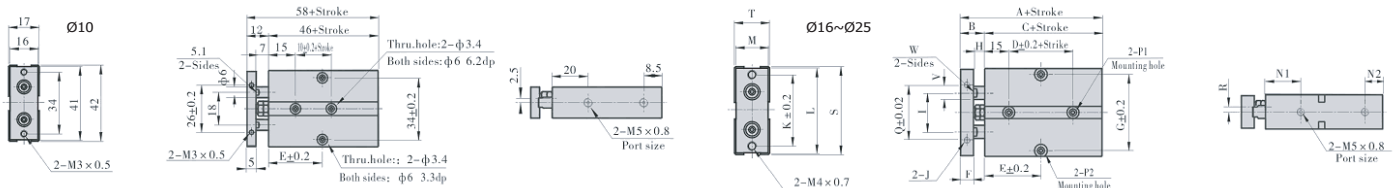
Symbol



Specifications

Bore size	mm	10	16	20	25	32
Rod diameter	mm	6	8	10	12	16
Port size	inch	M5 X 0.8	M5 X 0.8	M5 X 0.8	M5 X 0.8	1/8
Standard stroke	mm	10~70	10~150	10~150	10~150	10~150
Maximum stroke	mm	70	150	150	150	150
Available stroke up	mm	100	200	200	200	200
Adjusting stroke	mm	10 ~ 0				
Media		Air				
Action type		Double acting				
Pressure range	kgf/cm ²	1.00~9.00				
Proof pressure	kgf/cm ²	10.50				
Temperature range	°C	0 ~ 70				
Speed range	mm/sec	100 ~ 500				
Magnet type		With magnet (S)				
Cushion type		Bumper				
Sensor switch type		Normal (CS1-J)				
Non-rotating precision	o	±0.4	±0.3	±0.3	±0.3	±0.3

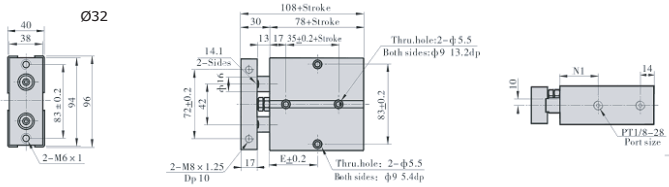
Dimensions



Item\Stroke	10	20	30	40	50	60	70
E	30	30	35	40	45	50	55

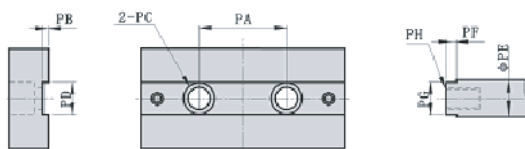
Bore size\Item	A	B	C	D	Stroke <	10	20	30	40	50	60	70	80	90	100	125	150	F	G	H	I
16	68	15	53	20	E	30	35	40	45	50	55	60	65	70	75	87.5	100	8	47	7	24
20	78	20	58	20		35	35	40	45	50	55	60	65	70	75	87.5	100	10	55	10	28
25	81	19	62	30		40	40	45	50	55	60	65	70	75	80	92.5	105	10	66	9	34

Bore size\Item	J	K	L	M	N1	N2	P1	P2	Q	R	S	T	V	W
16	M4 x 0.7dp5	47	53	20	22	11	Both side:Ø7.5dp7.2mm Thru,hole:Ø4.5	Both side:Ø8dp4.5mm Thru,hole:Ø4.5	34	3	54	21	8	6.1
20	M4 x 0.7dp5	55	61	24	25	12	Both side:Ø7.5dp7.2mm Thru,hole:Ø4.5	Both side:Ø8dp4.5mm Thru,hole:Ø4.5	44	3.5	62	25	10	8.1
25	M4 x 0.7dp6	66	72	29	27	12	Both side:Ø7.5dp7.2mm Thru,hole:Ø4.5	Both side:Ø8dp4.5mm Thru,hole:Ø4.5	56	6	73	30	12	10.1



Item\Stroke	10	20	30	40	50	60	70	80	90	100	125	150
E	45	50	55	60	65	70	75	80	85	90	103	115
N1	35	40										

Fixing plate



Bore size\Item	PA	PB	PC	PD	PE	PF	PG	PH
10	18	0.7	Ø6.2 x 3.5dp Thru.hole:Ø3.3	5.2	6	2.2	5.1	M3 x 0.5 5.5dp
16	24	1	Ø7.8 x 4.6dp Thru.hole:Ø4.3	6.2	8	3	6.1	M4 x 0.7 9dp
20	28	1	Ø11 x 6.8dp Thru.hole:Ø6.5	8.2	10	3	8.1	M6 x 1 10dp
25	34	1	Ø11 x 6.8dp Thru.hole:Ø6.5	10.2	12	3	10.1	M6 x 1 10dp
32	42	2	Ø17 x 12dp Thru.hole:Ø10.5	14.2	16	3	14.1	M10 x 1.5 13p