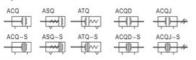
ACQ Series



■ Symbol





Product feature

1. JIS standard is implemented.

2. C clip is adopted to connect the cylinder body and back cover or front cover, ACQ and riveted structure is adopted to connect piston and piston rod to make it

- The internal diameter of the body is treated with rolling followed by the treatment of hard anodizing, forming an excellent abrasion resistance and
- durability.
- ouraniny.

 4. The seal of piston adopts heterogeneous two-way seal structure. It has compact dimension and the function of grease reservation.

 5. Compact structure can effectively save installation space.

 6. There are magnetic switch slots around the cylinder body, which is conv.
- to install inducting switch.

 7. Installing accessories with various specifications are optional.

Specification

Bore size	mm)										100		
Acting typ						Double	acting						
Acting type	8		Sing	le acting-	Push typ	e, Single a	acting-Pu	II type			-		
Fluid				A	ir(to be fil	tered by 4	40 μ m fill	ter eleme	nt)				
Operating pressure	Double acting	0.1~1.0MPa(15~145psi)(1.0~10.0bar)											
pressure	Single acting			(0.2~1.0M	Pa(28~1	45psi)(2.0	0~10.0ba	r)				
Proof pres	sure				1.	5MPa(21	5psi)(15b	ar)					
Temperatu	ire °C					-20	80						
Speed range mm/s		Double acting: 30~500 Single acting: 50~500											
Stroke tolerance		0~150 ^{+1.0} >150 ^{+1.4}											
Cushion ty	/pe					Bun	nper						
Port size	(I)		M5 × 0.8 1/8" 1/4" 3								8*		

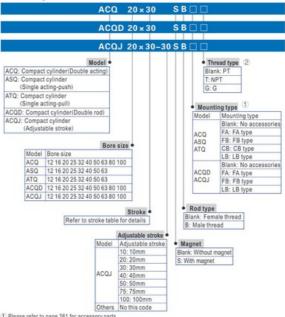
① PT thread, NPT thread and G thread are available. Add) Refer to P397-420 for detail of sensor switch.

Stroke

Bon	e size (mm)						SI	and	ard	stro	ke	(m	m)					Max. std stroke	Max. st Without magnet	
-	Double acting	5	10	15	20	25	30	35	40	45	50			_				50	80	70
12	Single acting																	20	-	200
	Double acting	5	10	15	20	25	30	35	40	45	50	55	60					60	80	70
16	Single acting	5	10	15	20													20		
20	Double acting	5	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100	100	140	130
25	Single acting	5	10	15	20	25	30											30		
32 40	Double acting	5	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100	100	100	100
50 63	Single acting	5	10	15	20	25	30													
80 100	Double acting	5	10	15	20	25	30	35	40	45	50	60	70	75	80	90	100	100		

- Note) 1. Please contact the company for other special strokes.
 - The dimensions of non-std stroke cylinder has the same dimensions as the next longer stroke std. stroke cylinder. e.g. 23mm stroke cylinder has the same dimensions of 25 std. stroke cylinder.

Ordering code

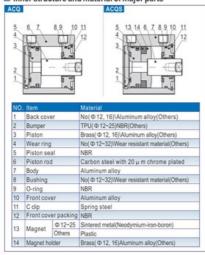


- ① Please refer to page 261 for accomp. Standard thread is blank here.

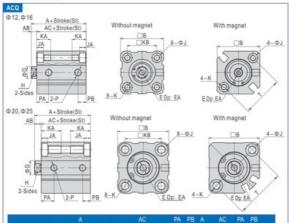


ACQ Series

Inner structure and material of major parts

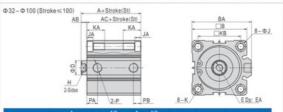


Dimensions



		A			AC		PA	PB	A	AC	PA	PB	П
Bore size\Item				ithout m						With m	agnet	AB	
	St ≤ 50	3t=30	51≥60	St ≤ 50	3(=35	St≥60		-					ш
12	20.5	-		17			7.5	5	31.5	28	9	7	3.5
16	22	22	-	18.5	18.5	-	8	5.5	34	30.5	9.5	5.5	3.5
20	24		34	19.5		29.5	9	5.5	36	31.5	9.5	5.5	4.5
25	27.5		37.5	22.5	-	32.5	11	5.5	37.5	32.5	11	5.5	5

Bore sizelitem	в		E	EA				N.	NA.	VD.		
12	25	6	M3×0.5	6	5	6.5	3.5	M4 × 0.7 Thru.hole: Φ3.4	11	15.5	$M5 \times 0.8$	22
16	29	8	$M4 \times 0.7$	8	6	6.5	3.5	M4 × 0.7 Thru.hole: Φ3.4	11	20	$M5 \times 0.8$	28
20	36	10	$M5 \times 0.8$	7	8	9	7	M6 × 1.0 Thru.hole: Φ5.2	17	25.5	$M5 \times 0.8$	36
25	40	12	M6 × 1.0	12	10	9	7	M6 × 1.0 Thru.hole: Φ5.2	17	28	M5 × 0.8	40



Item		Α		VC	А	AC						
item		Withou	t magnet		With	magnet						EA
Bore size\Stroke		St≥60		St≥60								
32	30	40	23	33	40	33	7	45	49.5	16	M8 × 1.25	13
40	36.5	46.5	29.5	39.5	46.5	39.5	7	53	57	16	M8 × 1.25	13
50	38.5	48.5	30.5	40.5	48.5	40.5	8	64	71	20	M10 × 1.5	15
63	44	54	36	46	54	46	8	77	84	20	M10 × 1.5	15
80	53.5	63.5	43.5	53.5	63.5	53.5	10	98	104	25	M16 × 2.0	20
100	65	75	53	63	75	63	12	117	123.5	32	M20 × 2.5	26

Bore size\Item						KA	кв			PB		PB
						n.n	V.D		With	out magnet	With	magne
32	St=5	14	9	7	M6 × 1.0 Thru hole: Φ5.2	17	34	1/8"	7.5	6.5	10.5	7.5
32	St>5	14	а	1	M6 × 1.0 Thru.noie: Ψ5.2	17	34	1/6	10.5	7.5	10.5	7.5
40		14	9	7	M6 × 1.0 Thru.hole: Φ5.2	17	40	1/8"	11	8	11	8
50	St=5	17			MO 4 OF The below 0 0	22	60	1/4"	9	9	10.5	10.5
50 St>5		17	11	8	M8 × 1.25 Thru.hole: Φ6.8	22	50	1/4	10.5	10.5	10.5	10.5
63	St=5	47		40 F	M10 × 1.5 Thru.hole: Φ 8.5	00.5	00	4100	14	9.5	40	40.0
03	SÞ5	17	14	10.5	M10 × 1.5 Thru.noie: Ψ 8.5	28.5	00	1/4"	15	10.5	15	10.5
80		22	17.5	13.5	M12 × 1.75 Thru.hole: Ф10.3	35.5	77	3/8"	16	14	16	14
100		27	17.5	13.5	M12 × 1.75 Thru.hole: Φ 10.3	35.5	94	3/8"	20	17.5	20	17.5



ACQ