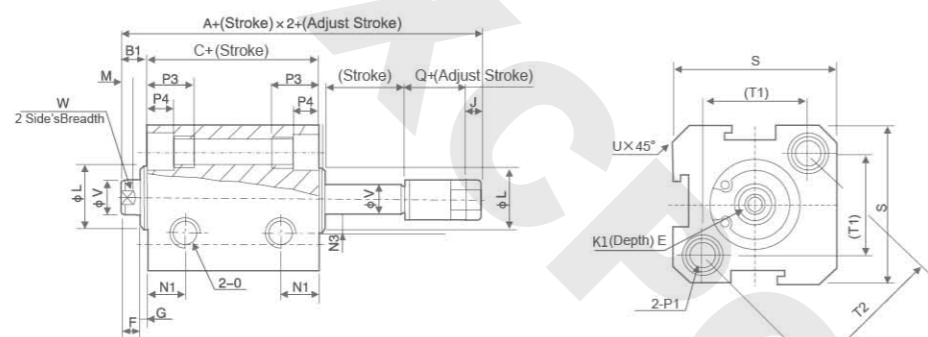


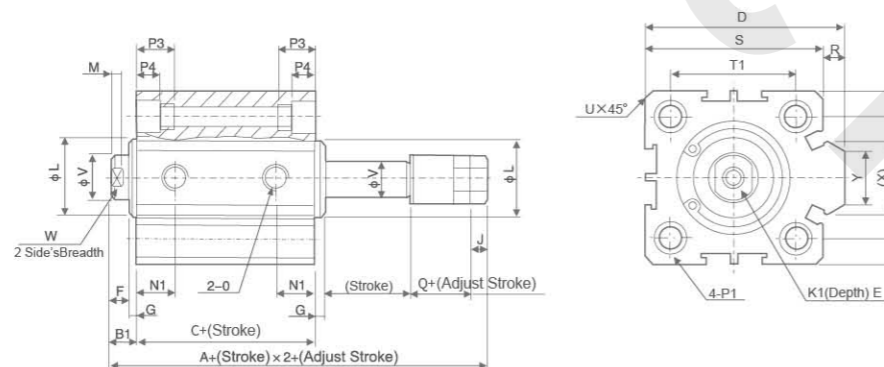
SDA Series Thin Type(Compact) Cylinder

Overall Dimensions

SDAJ.SDAJS Type
Φ12~Φ16



SDAJ.SDAJS Type
Φ20~Φ100



Dimension Sheet

Type	Standart Type			Attach Magnet			D	E		F	G	K1	L	M	N1
	A	B1	C	A	B1	C		Stroke≤10	Stroke>10						
12	22	5	17	32	5	27	-	6	4	1	M3×0.5	10.2	2.8	6.3	
16	24	5.5	18.5	34	5.5	28.5	-	6	4	1.5	M3×0.5	11	2.8	7.3	
20	25	5.5	19.5	35	5.5	29.5	36	8	4	1.5	M4×0.7	15	2.8	7.5	
25	27	6	21	43	6	31	42	10	4	2	M5×0.8	17	2.8	8	
32	31.5	7	24.5	41.5	7	34.5	50	12	4	2	M6×1	22	2.8	9	
40	33	7	28	43	7	36	58.5	12	4	3	M8×1.25	28	2.8	10	
50	37	9	28	47	9	38	71.5	15	5	4	M10×1.5	38	2.8	10.5	
63	41	9	32	51	9	42	84.5	15	5	4	M10×1.5	40	2.8	11.8	
80	52	11	41	62	11	51	104	15	20	6	M14×1.5	45	4	14.5	
100	63	12	51	73	12	61	124	18	20	7	M18×1.5	55	4	20.5	

Bore Size/Symbol	N3	O	P1				P3	P4	R	S	T1	T2	U	V	W	X	Y
			P1	P2	P3	P4											
12	6	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	12	4.5	-	25	16.2	23	1.6	6	5	-	-	-	-	
16	6.5	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-	-	-	
20	-	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2	14	4.5	2	34	24	-	2.1	8	6	11.3	10	-	-	
25	-	M5×0.8	Double Sides:Φ6.5/Thread:M6×1.0/Through ports:Φ4.6	15	5.5	2	40	28	-	3.1	10	8	12	10	-	-	
32	-	G1/8"	Double Sides:Φ6.5/Thread:M6×1.0/Through ports:Φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15	-	-	
40	-	G1/8"	Double Sides:Φ6.5/Thread:M8×1.25/Through ports:Φ6.5	20	7.5	6.5	52	40	-	2.25	16	14	21.3	16	-	-	
50	-	G1/4"	Double Sides:Φ6.5/Thread:M8×1.25/Through ports:Φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20	-	-	
63	-	G1/4"	Double Sides:Φ6.5/Thread:M8×1.25/Through ports:Φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20	-	-	
80	-	G3/8"	Double Sides:Φ6.5/Thread:M12×1.75/Through ports:Φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26	-	-	
100	-	G3/8"	Double Sides:Φ6.5/Thread:M12×1.75/Through ports:Φ11.3	30	13	10	114	90	-	3.65	32	27	35	26	-	-	

ACQ Series Thin Type(Compact) Cylinder



ACQ 32 × 25



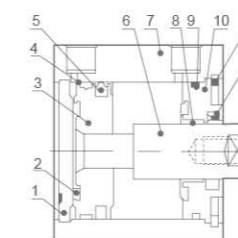
ACQJ 32 × 25-10

Ordering Code

ACQ × **20** × **30** - **30** **S** - **B**
Series Code ACQ: Double Action Type
Cylinder Bore 12~100mm
Stroke ASQ:Single Action Extrusion Type
 ATQ:Single Action Drawing-in Type
 ACQD:: Double-shaft Double Action Type
 ACQJ:Double-shaft and Adjustable Stroke Type
Adjust Stroke 10mm
 20mm
 30mm
 40mm
 50mm
Magnet Code Blank:Without Magnet
 S:With Magnet
Cog Type Blank:Inner Thread
 B:Outer Thread
 N:No Thread

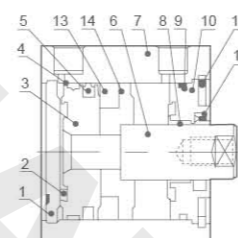
Internal structure

ACQ Type



NO	Designation	NO	Designation
1	Back Cover	2	Anti-Crash Cushion
3	Piston	4	Wear Proof Cushion
5	O-Ring	6	Piston Rod
7	Barrel	8	Bush
9	O-Ring	10	Front Cover
11	Type C Buckle Ring	12	Front Cover O-Ring

ACQS Type



NO	Designation	NO	Designation
1	Back Cover	2	Anti-Crash Cushion
3	Piston	4	Wear Proof Cushion
5	O-Ring	6	Piston Rod
7	Barrel	8	Bush
9	O-Ring	10	Front Cover
11	Type C Buckle Ring	12	Front Cover O-Ring
13	Magnet	14	Magnet Holder

Specification

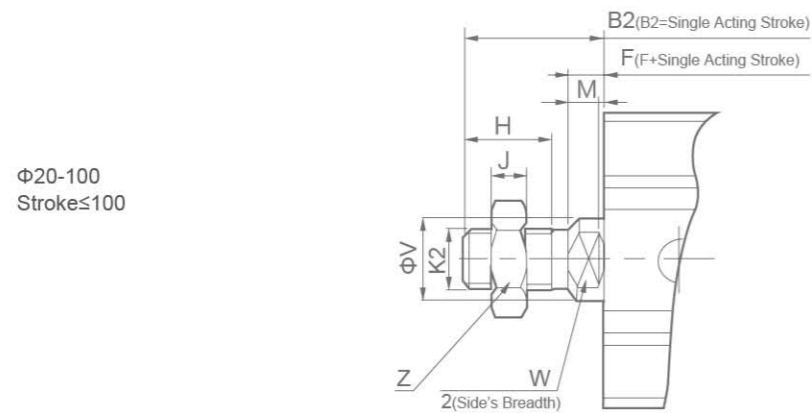
Bore(mm)	12	16	20	25	32	40	50	63	80	100
Motion Pattern	Double Action									
Working Medium	Air									
Operating Pressure Range	Double Action					Single Action				
Ensured Pressure Resistance	1.5MPa									
Operating Temperature Range	-20~80℃									
Operating Speed Range	Double Action					Single Action				
Stroke Tolerance Range	Stroke≤150 ^{+1.0} , Stroke > 150 ^{+1.4}									
Buffer Type	Anti-Crash Cushion									
Port Size	M5×0.8			G1/8"			G1/4"		G3/8"	

ACQ Series Thin Type(Compact) Cylinder

Stroke

Bore(mm)	Standard Stroke	Max. Stroke	Allow Stroke	
			Not Attech Magnet	Attech Magnet
12	Double Aaction	50	80	70
	Single Aaction	20	-	-
16	Double Aaction	60	80	70
	Single Aaction	20	-	-
20	Double Aaction	100	130	130
	Single Aaction	30	-	-
32	Double Aaction	100	150	150
	Single Aaction	30	-	-
40	Double Aaction	100	150	150
	Single Aaction	30	-	-
50	Double Aaction	100	150	150
	Single Aaction	30	-	-
63	Double Aaction	100	150	150
	Single Aaction	30	-	-
80	Double Aaction	100	150	150
	Single Aaction	30	-	-
100	Double Aaction	100	150	150
	Single Aaction	30	-	-

Overall Dimensions



Φ20-100
Stroke≤100

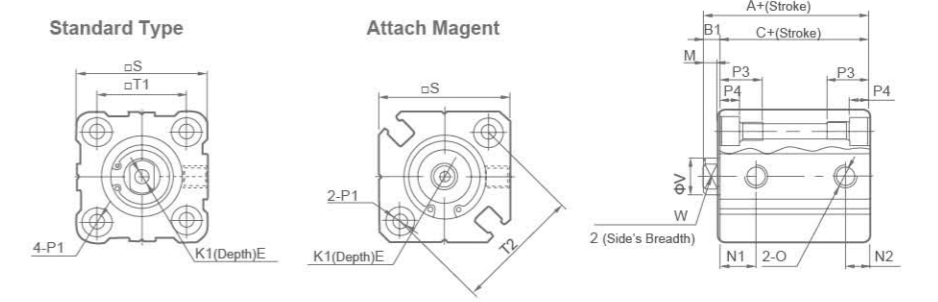
Dimension Sheet

Bore(mm)/Symbol	B2	F	H	I	J	K2	M	V	W
12	14	3.5	9	8	4	M5×0.8	3.5	6	5
16	15.5	3.5	10	10	5	M6×1.0	3	8	6
20	18.5	4.5	12	12	6	M8×1.25	4	10	8
25	22.5	5	15	17	6	M10×1.25	4.5	12	10
32	28.5	5	20.5	19	8	M14×1.5	4	16	14
40	28.5	5	20.5	19	8	M14×1.5	4	16	14
50	33.5	5	26	27	11	M18×1.5	4	20	17
63	33.5	5	26	27	11	M18×1.5	4	20	17
80	43.5	8	32.5	32	13	M22×1.5	6	25	22
100	43.5	8	32.5	36	13	M26×1.5	5.5	32	27

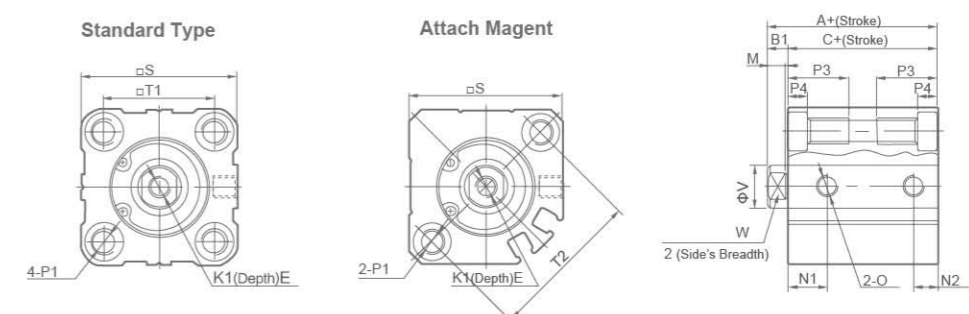
ACQ Series Thin Type(Compact) Cylinder

Overall Dimensions

ACQ, ACQS Type:
Φ12~Φ16



ACQ, ACQS Type:
Φ20,Φ25



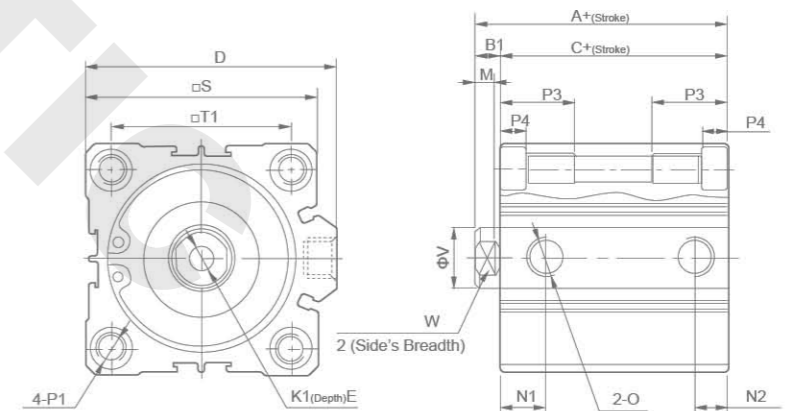
Dimension Sheet

Type	Standard Type				Attach Magnet							N1		N2	
	Symbol	A	C	M	A	C	B1	D	E	K1	M	Standard Type	Attach Magnet	Standard Type	Attach Magnet
12	20.5	-	17	-	31.5	28	3.5	-	6	M3×0.5	3.5	7.5	9	5	7
16	22	-	18.5	-	34	30.5	3.5	-	8	M4×0.7	3	8	9.5	5.5	
20	24	34	19.5	29.5	36	31.5	4.5	-	7	M5×0.8	4	9	9.5	5.5	
25	27.5	37.5	22.5	32.5	37.5	32.5	5	-	12	M6×1.0	4.5	11		5.5	

Bore(mm)/Symbol	O	P1	P3	P4	S	T1	T2	V	W
12	M5×0.8	Double Sides:Φ6.5/Thread:M4×0.7/Through ports:Φ3.4	11	3.5	25	15.5	22	6	5
16	M5×0.8	Double Sides:Φ6.5/Thread:M4×0.7/Through ports:Φ3.4	11	3.5	29	20	28	8	6
20	M5×0.8	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	36	25.5	36	10	8
25	M5×0.8	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	40	28	40	12	10

Overall Dimensions

ACQ Φ32-Φ100
Strokes≤100



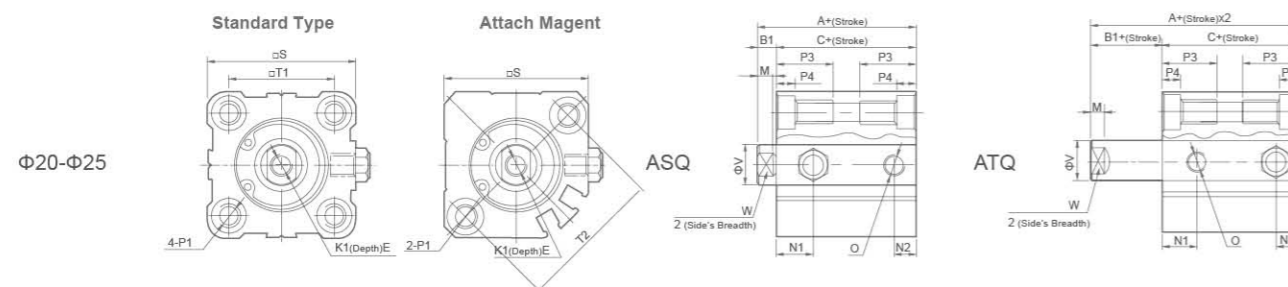
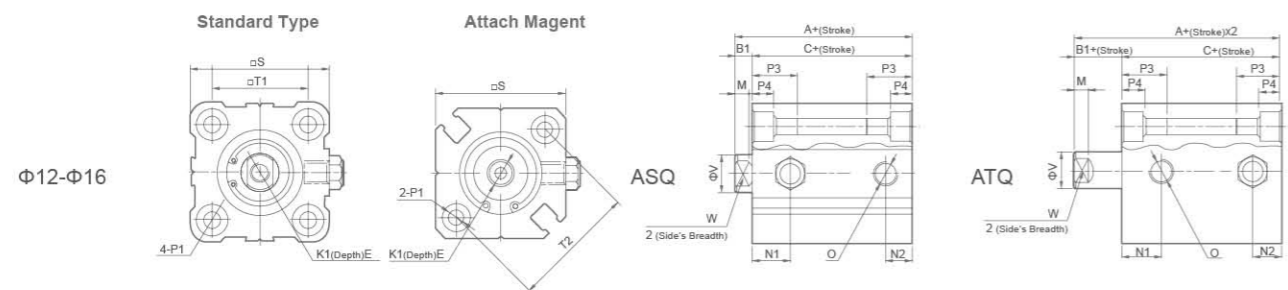
ACQ Series Thin Type(Compact) Cylinder

Dimension Sheet

Type	Symbol	Standard Type				Attach Magnet		B1	D	E	K1	M	Standard Type	Attach Magnet	Standard Type	Attach Magnet
		A		C		A	C						N1	N2		
Bore(mm)	Stroke	Stroke≤50	Stroke≥60	Stroke≤50	Stroke≥60											
32	Stroke=5	30	40	23	33	40	33	7	49.5	13	M8×1.25	6	7.5	10.5	6.5	7.5
	Stroke > 5												10.5		7.5	
40		36.5	46.5	29.5	39.5	46.5	39.5	7	57	13	M8×1.25	6	11		8	
50	Stroke=5	38.5	48.5	30.5	40.5	48.5	40.5	8	71	15	M10×1.5	6.5	9	10.5	9	10.5
	Stroke > 5												10.5		10.5	
63	Stroke=5	44	54	36	46	54	46	8	84	15	M10×1.5	6.5	14	15	9.5	10.5
	Stroke > 5												15		10.5	
80		53.5	63.5	43.5	53.5	63.5	53.5	10	104	20	M16×2.0	8.5	16		14	
100		65	75	53	63	75	63	12	123.5	26	M20×2.5	9.5	20		17.5	

Bore (mm)/Symbol	O	P1	P3	P4	S	T1	T2	V	W
32	G1/8"	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	45	34	-	16	14
40	G1/8"	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	53	40	-	16	14
50	G1/4"	Double Sides:Φ11/Thread:M8×1.25/Through ports:Φ6.5	22	8	64	50	-	20	17
63	G1/4"	Double Sides:Φ14/Thread:M10×1.5/Through ports:Φ8.7	28.5	10.5	77	60	-	20	17
80	G3/8"	Double Sides:Φ17.5/Thread:M12×1.75/Through ports:Φ10.7	35.5	13.5	98	77	-	25	22
100	G3/8"	Double Sides:Φ17.5/Thread:M12×1.75/Through ports:Φ10.7	35.5	13.5	117	94	-	32	27

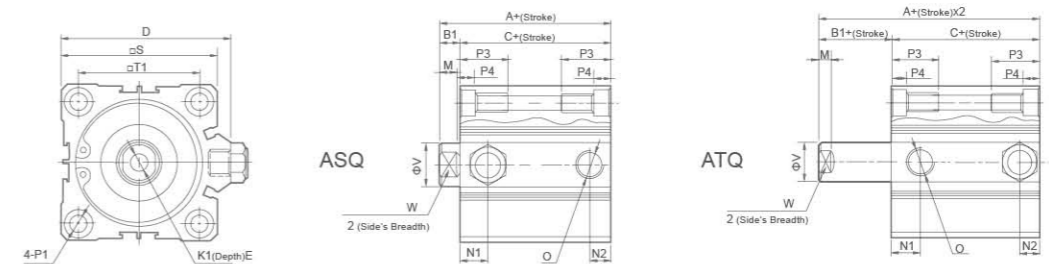
Overall Dimensions



ACQ Series Thin Type(Compact) Cylinder

Overall Dimensions

Φ32-Φ63



Dimension Sheet

Type	Without Magent						Attach Magent					
	A			C			A			C		
Bore(mm)/Symbol	5/10	15/20	25/30	5/10	15/20	25/30	5/10	15/20	25/30	5/10	15/20	25/30
12	25.5	30.5	-	22	27	-	36.5	41.5	-	33	38	-
16	27	32	-	23.5	28.5	-	39	44	-	35.5	40.5	-
20	29	34	39	24.5	29.5	34.5	41	46	51	36.5	41.5	46.5
25	32.5	37.5	42.5	27.5	32.5	37.5	42.5	47.5	52.5	37.5	42.5	47.5
32	35	40	45	28	33	38	45	50	55	38	43	48
40	41.5	46.5	51.5	34.5	39.5	44.5	51.5	56.5	61.5	44.5	49.5	54.5
50	48.5	53.5	58.5	40.5	45.5	50.5	58.5	63.5	68.5	50.5	55.5	60.5
63	54	59	64	46	51	56	64	69	74	56	61	66

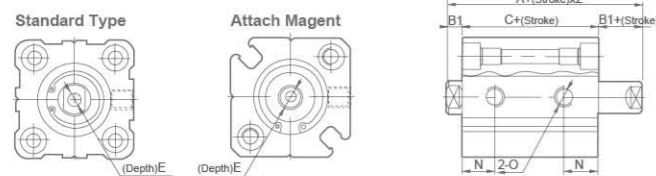
Type	B1	D	E	K1	M	Standard Type	Attach Magnet	Standard Type	Attach Magnet
						N1	N2	N1	N2
12	3.5	-	6	M3×0.5	3.5	7.5	9	5	7
16	3.5	-	8	M4×0.7	3	8	9.5		5.5
20	4.5	-	7	M5×0.8	4	9	9.5		5.5
25	5	-	12	M6×1.0	4.5		11		5.5
32	7	49.5	13	M8×1.25	6	10.5			7.5
40	7	57	13	M8×1.25	6	11			8
50	8	71	15	M10×1.5	6.5	10.5			10.5
63	8	84	15	M10×1.5	6.5	15			10.5

Bore(mm)/Symbol	O	P1	P3	P4	S	T1	T2	V	W
12	M5×0.8	Double Sides:Φ6.5/Thread:M4x0.7/Through ports:Φ3.4	11	3.5	25	15.5	22	6	5
16	M5×0.8	Double Sides:Φ6.5/Thread:M4x0.7/Through ports:Φ3.4	11	3.5	29	20	28	8	6
20	M5×0.8	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	36	25.5	36	10	8
25	M5×0.8	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	40	28	40	12	10
32	G1/8"	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	45	34	-	16	14
40	G1/8"	Double Sides:Φ9/Thread:M6×1.0/Through ports:Φ5.2	17	7	53	40	-	16	14
50	G1/4"	Double Sides:Φ11/Thread:M10x1.25/Through ports:Φ6.5	22	8	64	50	-	20	17
63	G1/4"	Double Sides:Φ14/Thread:M10x1.5/Through ports:Φ8.7	28.5	10.5	77	60	-	20	17

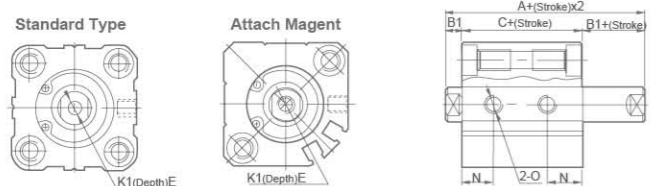
ACQ Series Thin Type(Compact) Cylinder

Overall Dimensions

ACQD Type $\Phi 12-\Phi 16$



ACQD Type $\Phi 20-\Phi 25$



ACQD Type $\Phi 32-\Phi 100$



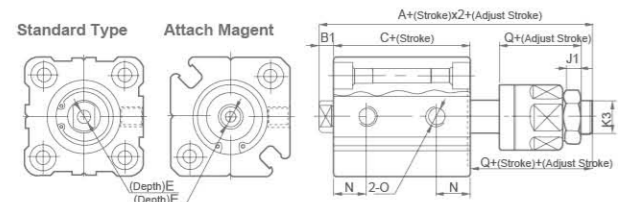
Dimension Sheet

Type	Standard Type		Attach Magnet		B1	E	N
	A	C	A	C			
12	32.2	25.2	39.4	32.4	3.5	6	9
16	33	26	43	36	3.5	8	9.5
20	35	26	47	38	4.5	7	9.5
25	39	29	49	39	5	9.5(S=5)12(S>5)	11
32	44.5	30.5	54.5	40.5	7	9(S≤10) 13(S>10)	10
40	54	40	64	50	7	11(S≤10) 13(S>10)	13
50	56.5	40.5	66.5	50.5	8	12(S≤10) 15(S>10)	13.5
63	58	42	68	52	8	12(S≤10) 15(S>10)	14.5(S=5) 16(S>5)
80	71	51	81	61	10	14(S≤15) 20(S>15)	16
100	84.5	60.5	94.5	70.5	12	20(S≤25) 26(其他)	21

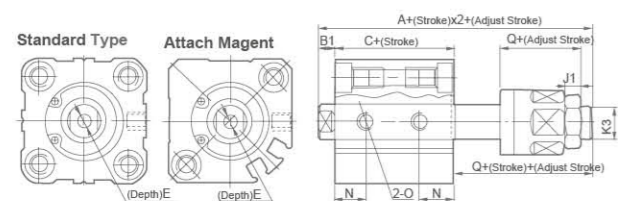
Note: If dimension not remarked, it is same as standard.

Overall Dimensions

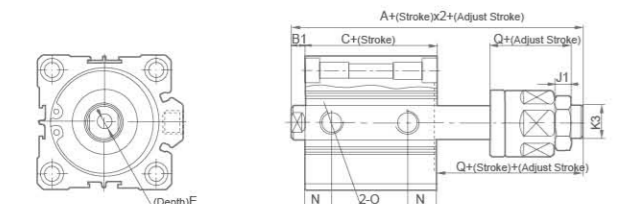
ACQJ $\Phi 12-\Phi 16$



ACQJ $\Phi 20-\Phi 25$



ACQJ $\Phi 32-\Phi 100$



Dimension Sheet

Type	Standard Type		Attach Magnet		B1	E	N	Q	J1	K3
	A	C	A	C						
12	45.2	25.2	52.4	32.4	3.5	6	9	17	4	M5×0.8
16	50	26	60	36	3.5	8	9.5	21	5	M6×1.0
20	55	26	67	38	4.5	7	9.5	25	6	M8×1.25
25	60.5	29	70.5	39	5	9.5(S=5) 12(S>5)	11	27	6	M10×1.25
32	64.9	30.5	74.9	40.5	7	9(S≤10) 13(S>10)	10	28	7	M12×1.25
40	74.5	40	84.5	50	7	11(S≤10) 13(S>10)	13	28	7	M12×1.25
50	77	40.5	87	50.5	8	12(S≤10) 15(S>10)	13.5	29	8	M16×1.5
63	78.4	42	88.4	52	8	12(S≤10) 15(S>10)	14.5(S=5) 16(S>5)	29	8	M16×1.5
80	95.8	51	105.8	61	10	14(S≤15) 20(S>15)	16	35.5	10	M20×1.5
100	114.3	60.5	124.3	70.5	12	20(S≤25) 26(S其他)	21	42.5	13.5	M27×2.0

CQ2 Series Compact Cylinder



CDQ2B 20 × 25D

CDQ2B 40 × 25

CQ2B 32 × 30-M

Ordering Code

CQ2 □ **12** × **10** **D** □
Series Code CQ2: Normal Type CDQ2: Attach magnet Type
Mounting Style B: With through bore A: With female thread on both ends
Cylinder Bore Single action: 12mm-50mm Double action: 12mm-100mm
Stroke 0~100mm
Action D: Double action S: Single action (with spring return) T: Single action (with spring extent)
Cylinder body (optional) Blank: Inner Thread M: Outer Thread C: With Cushion

Specification

Bore(mm)	12	16	20	25	32	40	50	63	80	100
Working Medium	Air									
Motion Pattern	Double action/Single Action Extrusion type/Single Action Drawing-in Type									
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)									
Max.pressure	10.2kgf/cm ² (1.0Mpa)									
Environment And Fluid Temp	5~+60℃									
Thread Type	Inner Thread(Standard)/Outer Thread(Optional)									
Buffering	NO									
Margin of Stroke Error(mm)	+1.0 0									
Installation	Through Hole (Standard), Inner size on the two sides(Optional)									
Port size	M5×0.8			G1/8"			G1/4"			G3/8"

Note: Pls Confirm Single Type Can't With Cushion.

Overall Dimensions

