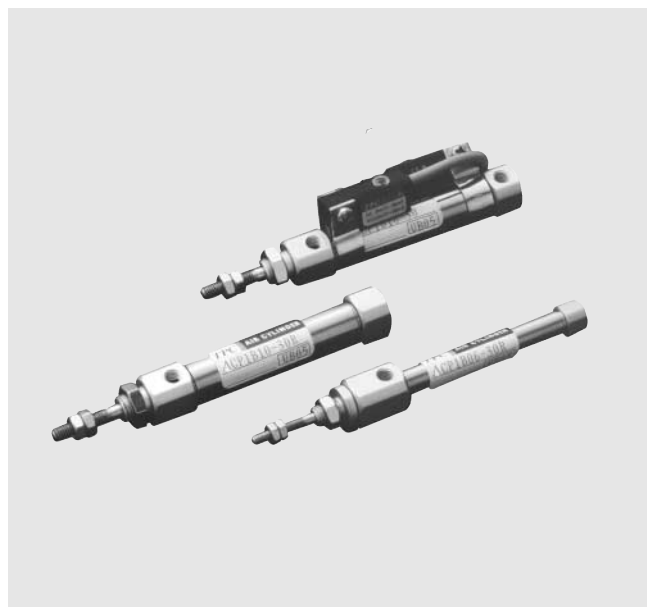


# Series ACP

## Standard Type/Double Acting : Single Rod

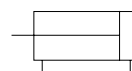
Bore Size(mm) :  $\phi 6$ ,  $\phi 10$ ,  $\phi 16$



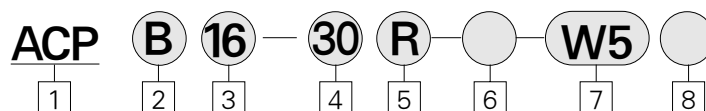
- STAINLESS STEEL BODY
- HIGH CYCLE LIFE
- LOW BREAKAWAY
- BUMPERS STANDARD
- BUILT IN MAGNET
- COMPACT LIGHT DESIGN
- MANUFACTURING CERTIFIED TO ISO9001/ 9002 STANDARDS

### Symbol

Double Acting/Single Rod



## How to Order



### 1 Air cylinder

Built-in magnet, Rubber cushions are Standard

### 2 Mounting

B : Standard type  
L : Axial foot type  
F : Rod side flange type  
D : Double clevis type  
(Except for  $\phi 6$ )

### 3 Bore Size(mm)

6 :  $\phi 6$   
10 :  $\phi 10$   
16 :  $\phi 16$

### 4 Stroke(mm)

※ For Stroke Refer to Page A-4

### 5 Port Location on Head Cover

Symbol \ Bore size	$\phi 6$	$\phi 10, \phi 16$
R	-	in-line
Blank	in-line	Rear Port

### 6 Special Options

Blank : Standard  
XC16 : Copper-free

### 7 Applicable Auto Switch

(Band mounted type)  
W5 : Reed switch  
※ Standard Lead 0.5m(Up to 3m Optional)

### 8 Number of Switches

Blank : 2 pcs.  
S : 1 pc.  
N : (n) pcs.

### PART No. of Mounting Bracket

Mounting bracket	Bore Size(mm)		
	$\phi 6$	$\phi 10$	$\phi 16$
Foot	ACP006-19	ACP010-19	ACP016-19
Flange	ACP006-20	ACP010-20	ACP016-20
※T Mounting	-	ACP010-42B	ACP016-42B

※T Mounting : Double Clevis Type(D)

### PART No. of Auto Switch Mounting Band

Bore size	PART No. of Auto Switch Mounting Band	Note
$\phi 6$	ACP006	Common use to all of UW5 types
$\phi 10$	ACP010	
$\phi 16$	ACP016	

Standard Type/Single Acting : Single Rod/Series ACPS

ACP

UACP

AX

AS

AM

AL  
ACX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

AMR

UAMR

AST

W~

## Specifications

Action	Double Acting Single Rod	
Fluid	Air	
Proof Pressure	10.5kgf/cm <sup>2</sup> (1.05MPa)	
Max. Operating Pressure	7.0kgf/cm <sup>2</sup> (0.70MPa)	
Min. Operating Pressure	φ 6	1.2kgf/cm <sup>2</sup> (0.12MPa)
	φ 10, φ 16	0.6kgf/cm <sup>2</sup> (0.06MPa)
Ambient and Fluid Temperature	40~140 ° F (5~60℃)	
Cushion	Rubber Cushion (Standard)	
Lubrication	None (Non-Lube)	
Piston Speed	50~750 mm/sec, (2~29.5 in/s)	

## Auto Switch Specification

Mounting	Bore Size	Reed Switch
		Grommet
Band Mounted Type	φ 6, φ 10, φ 16	UW5 Type

## Standard stroke

Bore size	Standard Stroke (mm)
φ 6	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 75, 100
φ 10	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 75, 100, 125, 150
φ 16	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 75, 100, 125, 150, 175, 200

## Mounting and Accessories

Mounting		Basic type	Axial foot type	Rod side flange type	Double clevis type
Standard	Mounting nut	●	●	●	—
	Rod end nut	●	●	●	●
	Clevis pin	—	—	—	●
Option	Single knuckle joint	●	—	●	●
	Double knuckle joint (with pin)	●	●	●	●
	T mounting	—	—	—	●

### Port Location On Head Cover

Perpendicular to the cylinder axis or in-line with the cylinder axis locations are available for basic type.

(φ 6 is not available in perpendicular type)

In-line      Angle 90°



## Weight Table

gf(oz)

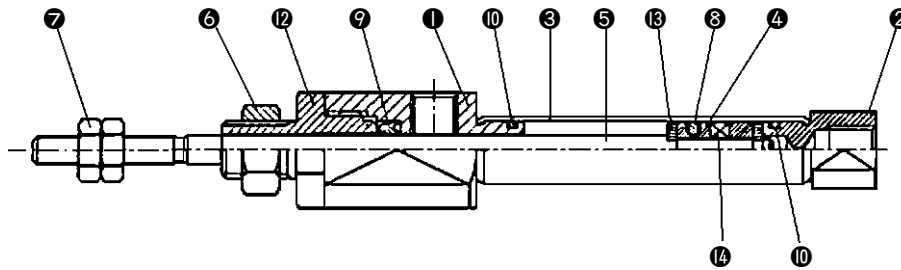
Bore size(mm)		φ 6	φ 10	φ 16
※ Basic Weight		15(0.52)	24(0.84)	55(1.94)
Additional Weight for each 15mm of stroke		2(0.07)	4(0.14)	6.5(0.23)
Mounting bracket Weight	Foot type	7(0.24)	7(0.24)	19(0.67)
	Rod side flange type	5(0.17)	5(0.17)	13(0.45)
	※ Double clevis type (with pin)	—	2(0.07)	8(0.28)

※Including the weights of mounting nut and rod end nut in the reference weight.

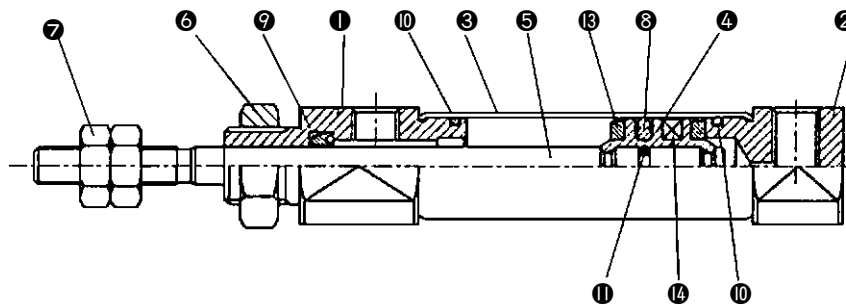
※Double clevis type is not included with mounting nut.

Construction/Parts List

ACPB 6



ACPB 10, 16



Parts List

No.	Description	Material	Note
1	Rod cover	Aluminum Alloy	White Alumite
2	Head cover	Aluminum Alloy	White Alumite
3	Cylinder tube	Stainless Steel	-
4	Piston	Brass	-
5	Piston rod	Stainless Steel	-
6	Mounting nut	Brass	Nickel PLATED
7	Rod end nut	Rolled Steel	Nickel PLATED
8	Piston packing	NBR	-

No.	Description	Material	Note
9	Rod Packing	NBR	-
10	Tube Gasket	NBR	-
11	Piston Gasket	NBR	-
12	Packing Retainer	Aluminum Alloy	-
13	Bumper	Urethane	-
14	Magnet	-	-

ACP

UACP

AX

AS

AM

AL

ALX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

AMR

UAMR

AST

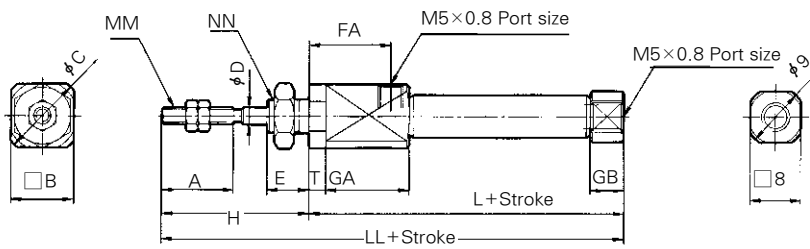
W~

# Series ACP

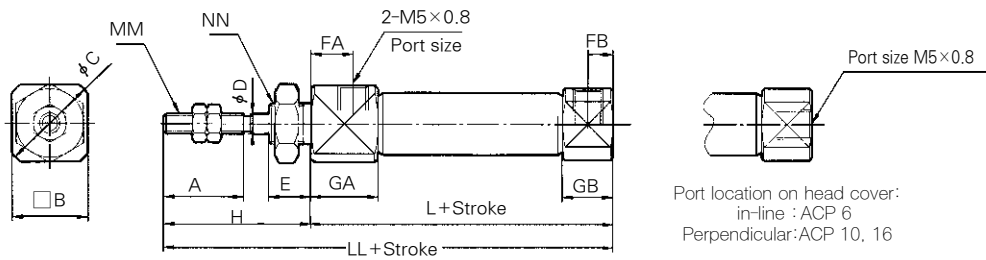
## Standard Type (ACPB)

ACPB

### ACPB 6



### ACPB 10, 16



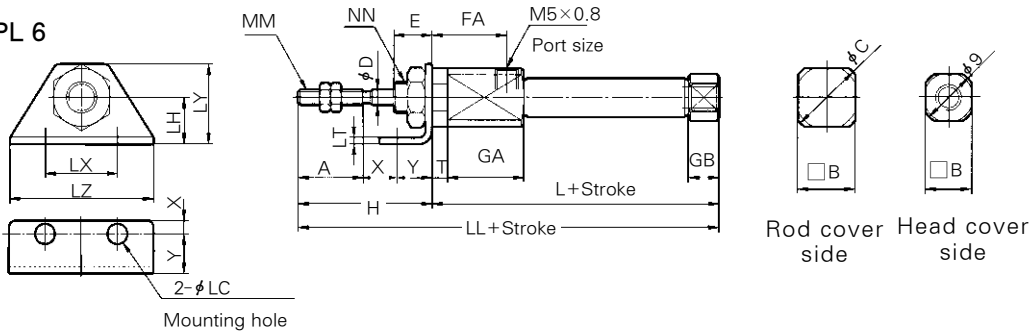
(mm)

Bore size	A	B	C	D	E	FA	FB	H	MM	GA	GB	NN	L	T	LL
φ 6	15	12	14	3	8	14.5	-	28	M3×0.5	16	7	M6×1.0	49	3	77
φ 10	15	12	14	4	8	8	5	28	M4×0.7	12.5	9.5	M8×1.0	45	-	73
φ 16	15	18	20	5	8	8	5	28	M5×0.8	12.5	9.5	M10×1.0	45	-	73

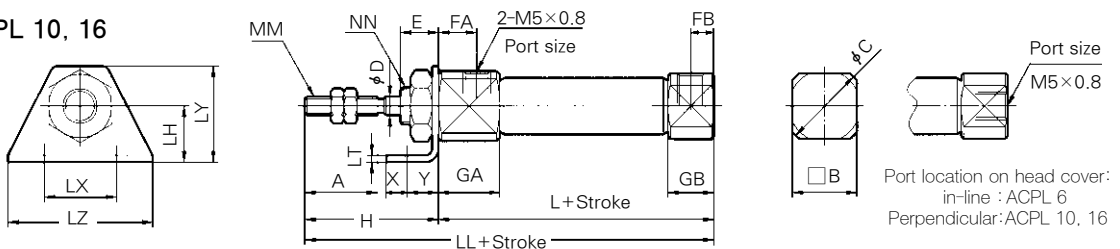
## Axial Foot (ACPL)

ACPL

### ACPL 6



### ACPL 10, 16



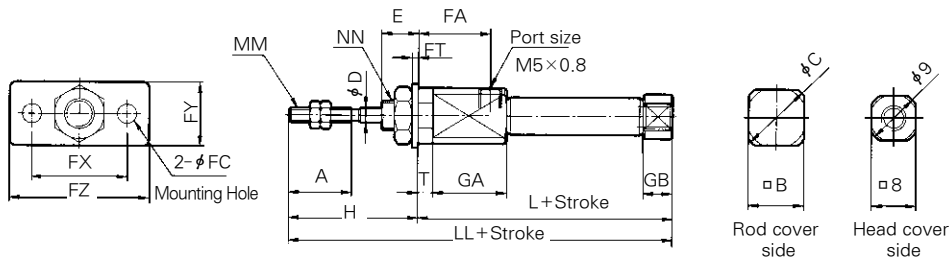
(mm)

Bore size	A	B	C	D	E	FA	FB	H	LC	LH	LT	LX	LY	LZ	MM	GA	GB	NN	L	T	X	Y	LL
φ 6	15	12	14	3	8	14.5	-	28	4.5	9	1.6	24	16.5	32	M3×0.5	16	7	M6×1.0	49	3	5	7	77
φ 10	15	12	14	4	8	8	5	28	4.5	9	1.6	24	16.5	32	M4×0.7	12.5	9.5	M8×1.0	45	-	5	7	73
φ 16	15	18	20	5	8	8	5	28	5.5	14	2.3	33	25	42	M5×0.8	12.5	9.5	M10×1.0	45	-	6	9	73

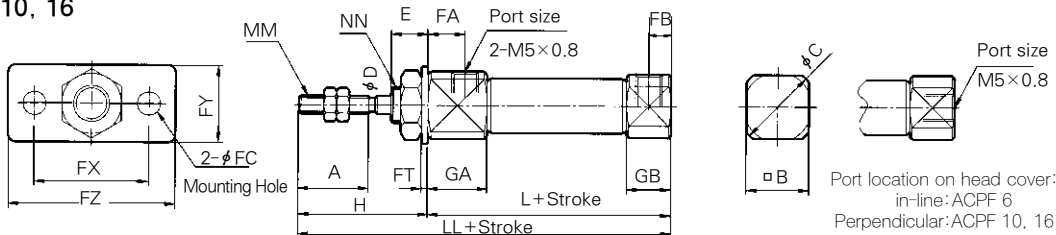
Rod Side Flange Type (ACPF)

ACPF Bore size Stroke Port Location on Head Cover

ACPF 6



ACPF 10, 16



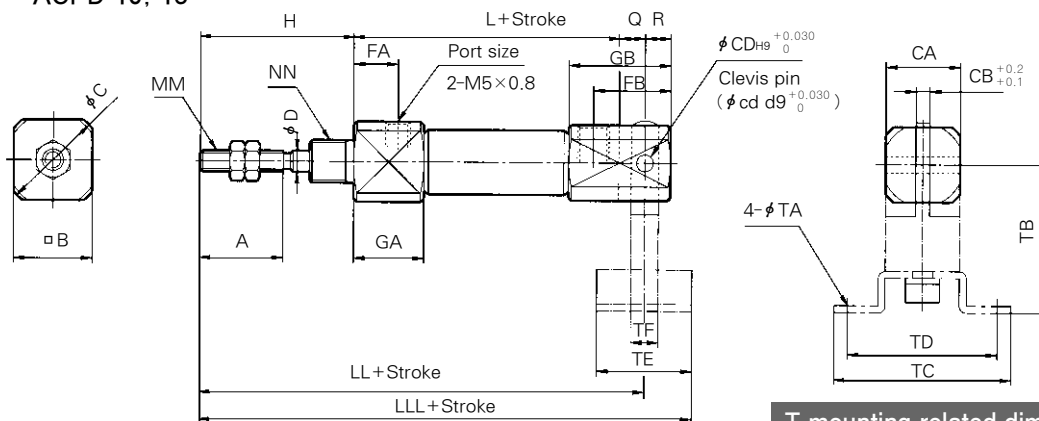
(mm)

Bore size	A	B	C	D	E	FC	FT	FX	FY	FZ	FA	FB	H	MM	GA	GB	NN	L	T	LL
φ 6	15	12	14	3	8	4.5	1.6	24	14	32	14.5	-	28	M3×0.5	16	7	M6×1.0	49	3	77
φ 10	15	12	14	4	8	4.5	1.6	24	14	32	8	5	28	M4×0.7	12.5	9.5	M8×1.0	45	-	73
φ 16	15	18	20	5	8	5.5	2.3	33	20	42	8	5	28	M5×0.8	12.5	9.5	M10×1.0	45	-	73

Double Clevis Type (ACPD)

ACPD Bore size Stroke

ACPD 10, 16



T mounting related dimensions (mm)

Bore size	TA	TB	TC	TE	TD	TF
10	4.5	29	40	22	32	12
16	5.5	35	48	28	38	16

(mm)

Bore size	A	B	C	CD(cd)	CB	CA	D	FA	FB	H	MM	GA	GB	NN	R	L	Q	LL	LLL
φ 10	15	12	14	3.3	3.2	12	4	8	18	28	M4×0.7	12.5	22.5	M8×1.0	5	45	8	81	92
φ 16	15	18	20	5	6.5	18	5	8	23	28	M5×0.8	12.5	27.5	M10×1.0	8	45	10	83	97

ACP

UACP

AX

AS

AM

AL  
ALX

UARD

UAQ

AJ

AG

UAG

ADM

ADR

AMR

UAMR

AST

W~