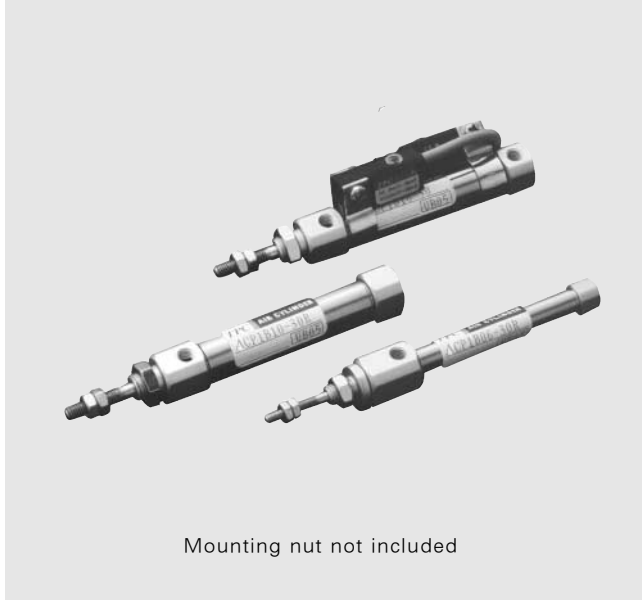


Series UACP

Standard Type/Double Acting : Single Rod

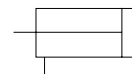
Bore Size mm(inch) : $\phi 6(1/4 \text{ Nom.})$, $\phi 10(3/8 \text{ Nom.})$, $\phi 16(5/8 \text{ Nom.})$



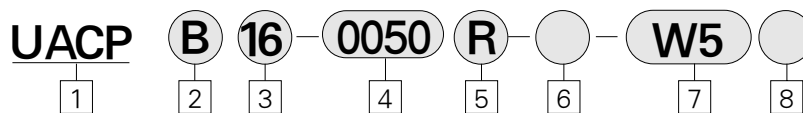
- STAINLESS STEEL CYLINDER TUBE
- HIGH CYCLE LIFE
- LOW BREAKAWAY
- BUMPERS STANDARD
- BUILT-IN MAGNET
- COMPACT LIGHT DESIGN
- MANUFACTURING CERTIFIED TO ISO 9001/9002 STANDARDS

Symbol

Double Acting/Single Rod



How to Order



1 Air cylinder

Built-in magnet, Rubber cushion 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(inch)

6 : $\phi 6$ (1/4 Nom.)
10 : $\phi 10$ (3/8 Nom.)
16 : $\phi 16$ (5/8 Nom.)

4 Stroke/Hundredth of an Inch

※ For Stroke Refer to page A-22

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(inch)		
	$\phi 6$ (1/4 Nom.)	$\phi 10$ (3/8 Nom.)	$\phi 16$ (5/8 Nom.)
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
$\phi 6$ (1/4 Nom.)	ACP006	Common use to all of W5 types
$\phi 10$ (3/8 Nom.)	ACP010	
$\phi 16$ (5/8 Nom.)	ACP016	

Standard Type/Single Acting : Single Rod/Series UACPS

ACP

UACP

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AS

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ALX

UARD

UAQ

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ADM

ADR

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UAMR

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Series UACP

Specifications		
Action	Double Acting Single Rod	
Fluid	Air	
Proof Pressure	150 PSI (1.05 MPa)	
Max. Operating Pressure	100 PSI (0.7 MPa)	
Min. Operating Pressure	φ 6	9 PSI (0.06 MPa)
	φ 10, φ 16	17 PSI (0.12 MPa)
Ambient and Fluid Temperature	40~140 ° F(5~60℃)	
Cushion	Rubber Cushion (Standard)	
Lubrication	None (Non-Lube)	
Piston Speed	50~750 mm/s, (2~29.5 in/s)	

Auto Switch Specifications		
Mounting	Bore Size (2~29.5 in/s)	Reed Switch Grommet
Band mounted Type	φ 6(1/4 Nom.), φ 10(3/8 Nom.), φ 16(5/8 Nom.)	W5 Type

Standard Stroke	
Bore size	Standard Stroke (inch × 100)
φ 6 (1/4 Nom.)	0050, 0100, 0150, 0200
φ 10 (3/8 Nom.)	0050, 0100, 0150, 0200, 0300, 0400, 0500, 0600
φ 16 (5/8 Nom.)	0050, 0100, 0150, 0200, 0300, 0400, 0500, 0600, 0700, 0800

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°

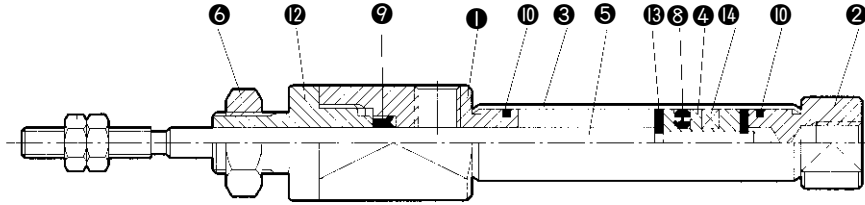
Weight Table				gf (oz)
Bore size mm(Inch)	φ 6(1/4 Nom.)	φ 10(3/8 Nom.)	φ 16(3/8 Nom.)	
※ Basic Weight	15(0.52)	24(0.84)	55(1.94)	
Additional Weight for each 1/2" of stroke	2(0.07)	4(0.14)	6.5(0.23)	
Mounting bracket Weight	Foot type	7(0.24)	7(0.24)	19(0.67)
	Rod side flange type	5(0.17)	5(0.17)	13(0.45)
	※※ 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.

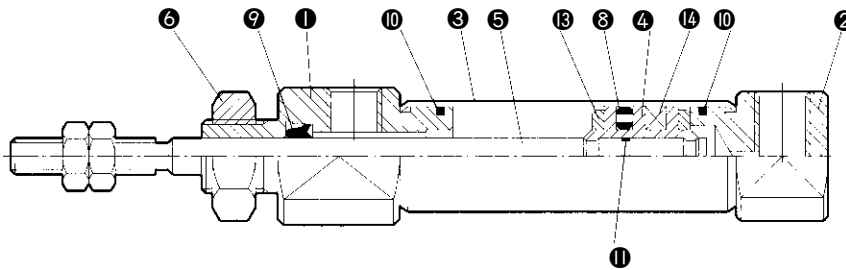
※※Double clevis type is not included with mounting nut.

Construction/Parts List

UACPB 6



UACPB 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	Piston packing	NBR	-

No.	Description	Material	Note
⑧	Rod Packing	NBR	-
⑩	Tube Gasket	NBR	-
⑪	Piston Gasket	NBR	-
⑫	Packing Retainer	Aluminum Alloy	White Alumite
⑬	Bumper	Urethane	-
⑭	Magnet	-	-

ACP

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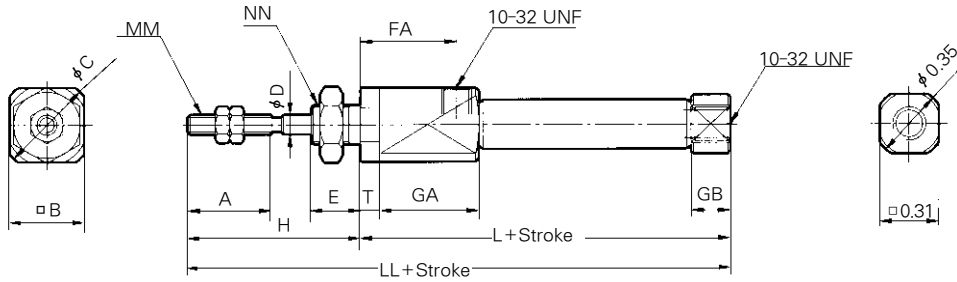
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Series UACP

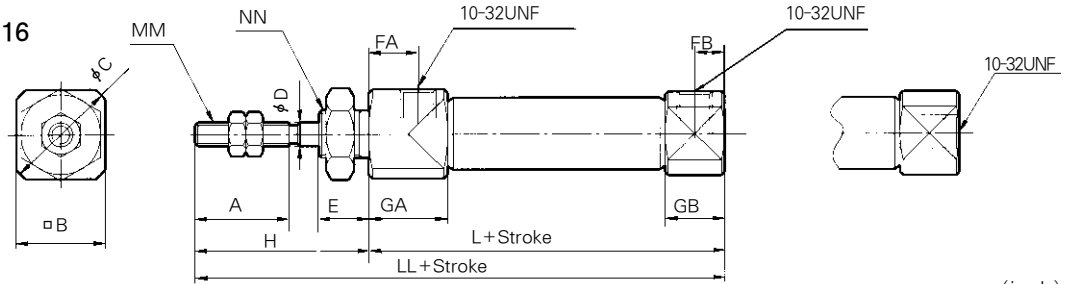
Standard Type (UACPB)

UACPB

UACPB 6



UACPB 10, 16

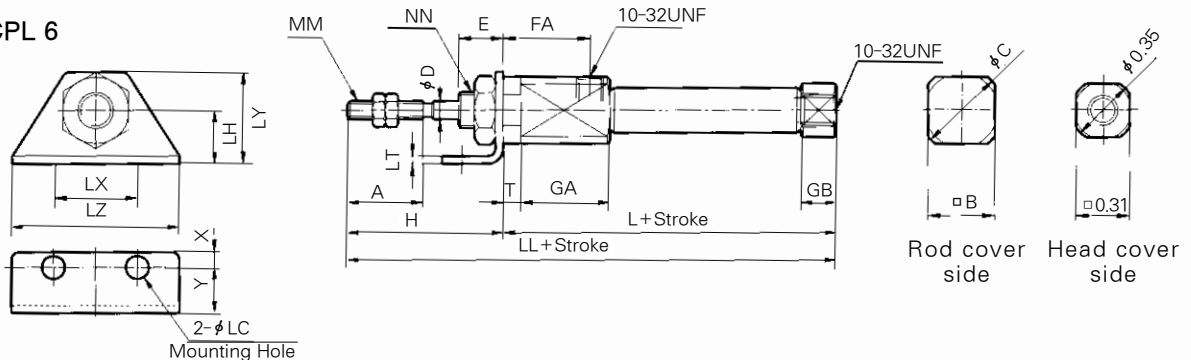


Bore size (inch)	A	B	C	D	E	FA	FB	H	MM	GA	GB	NN	L	T	LL
φ 6(1/4 Nom.)	0.59	0.47	0.55	0.12	0.31	0.57	-	1.10	5-40 UNC	0.63	0.28	1/4-28 UNF	1.93	0.12	3.03
φ 10(3/8 Nom.)	0.59	0.47	0.55	0.16	0.31	0.31	0.20	1.10	6-40 UNF	0.49	0.37	5/16-24 UNF	1.77	-	2.87
φ 16(5/8 Nom.)	0.59	0.71	0.79	0.20	0.31	0.31	0.20	1.10	10-32 UNF	0.49	0.37	3/8-24 UNF	1.77	-	2.87

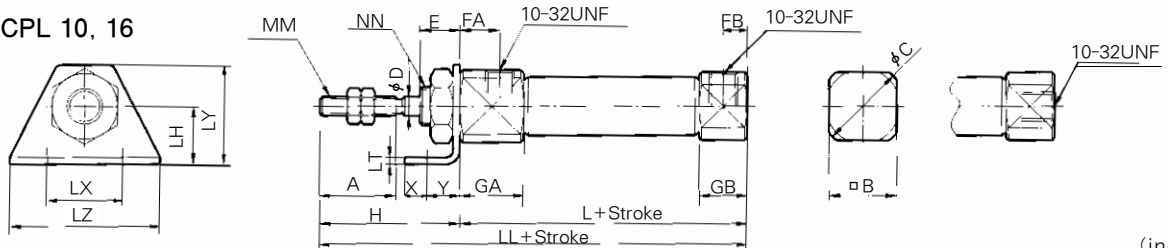
Axial Foot Type (UACLPL)

UACLPL

UACLPL 6



UACLPL 10, 16

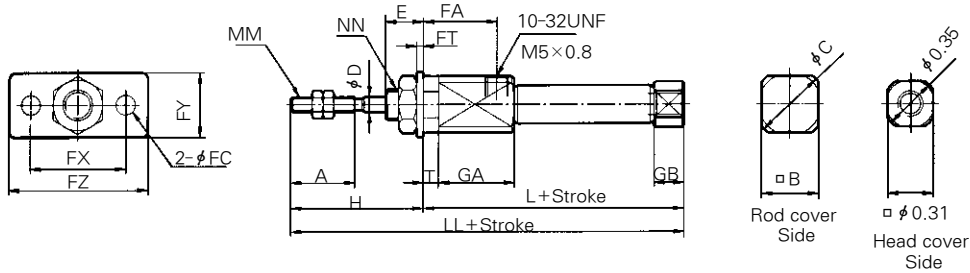


Bore size (inch)	A	B	C	D	E	FA	FB	H	LC	LH	LT	LX	LY	LZ	MM	GA	GB	NN	L	T	X	Y	LL
φ 6(1/4 Nom.)	0.59	0.47	0.55	0.12	0.31	0.57	-	1.10	0.18	0.35	0.06	0.95	0.65	1.26	5-40 UNF	0.63	0.28	1/4-28 UNF	1.93	0.12	0.20	0.28	3.03
φ 10(3/8 Nom.)	0.59	0.47	0.55	0.16	0.31	0.57	0.20	1.10	0.18	0.35	0.06	0.95	0.65	1.26	6-40 UNF	0.49	0.37	5/16-24 UNF	1.77	-	0.20	0.28	2.87
φ 16(5/8 Nom.)	0.59	0.71	0.79	0.20	0.31	0.57	0.20	1.10	0.22	0.55	0.09	1.30	0.98	1.65	10-32 UNF	0.49	0.37	3/8-24 UNF	1.77	-	0.24	0.35	2.87

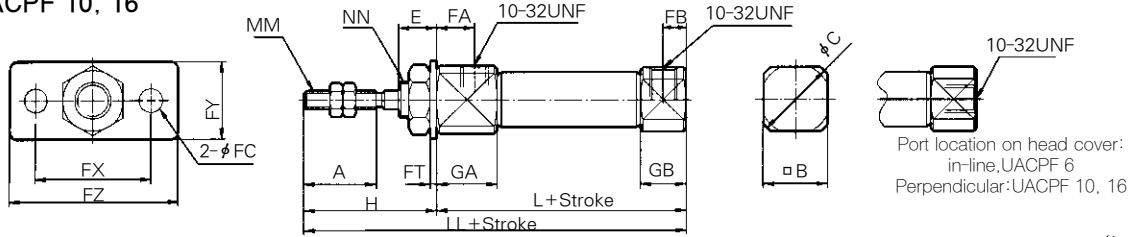
Rod Side Flange Type (UACPF)

UACPF Bore size Stroke Port Location on Head Cover

UACPF 6



UACPF 10, 16

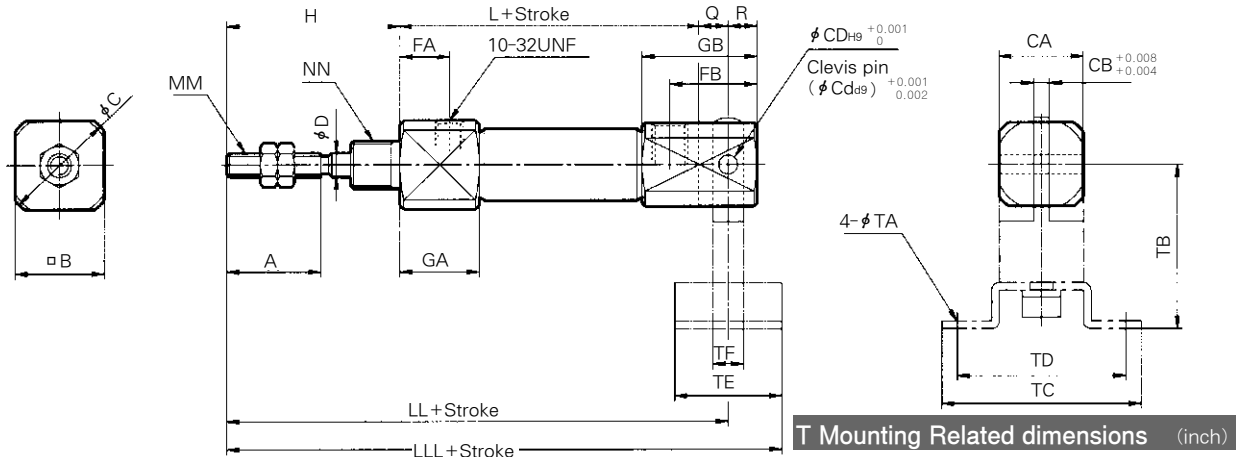


Bore size (inch)	A	B	C	D	E	FC	FT	FX	FY	FZ	FA	FB	H	MM	GA	GB	NN	L	T	LL
φ 6(1/4 Nom.)	0.59	0.47	0.55	0.12	0.31	0.18	0.06	0.95	0.55	1.26	0.57	-	1.10	5-40 UNC	0.63	0.28	1/4-28 UNF	1.93	0.12	3.03
φ 10(3/8 Nom.)	0.59	0.47	0.55	0.16	0.31	0.18	0.06	0.95	0.55	1.26	0.31	0.2	1.10	6-40 UNF	0.49	0.37	5/16-24 UNF	1.77	-	2.87
φ 16(5/8 Nom.)	0.59	0.71	0.79	0.20	0.31	0.22	0.09	1.30	0.79	1.65	0.31	0.2	1.10	10-32 UNF	0.49	0.37	3/8-24 UNF	1.77	-	2.87

Double Clevis Type (UACPD)

UACPD Bore size Stroke

UACPD 10, 16



Bore size (inch)	TA	TB	TC	TE	TD	TF
φ 10(3/8 Nom.)	0.18	1.14	1.58	0.87	1.26	0.47
φ 16(5/8 Nom.)	0.22	1.38	1.89	1.10	1.5	0.63

Bore size (inch)	A	B	C	CD(cd)	CB	CA	D	FA	FB	H	MM	GA	GB	NN	R	L	Q	LL	LLL
φ 10(3/8 Nom.)	0.59	0.47	0.55	0.13	0.13	0.47	0.16	0.32	0.71	1.10	6-40 UNF	0.49	0.89	5/16-24 UNF	0.20	1.77	0.31	3.09	3.62
φ 16(5/8 Nom.)	0.59	0.71	0.79	0.20	0.26	0.71	0.20	0.32	0.91	1.10	10-32 UNF	0.49	1.08	3/8-24 UNF	0.31	1.77	0.39	3.27	3.82

ACP

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