

Discontinue

CAC3

Clamp cylinder

40, 50, 63, 80 mm bore

Combined functions

Overview

Clamp cylinder with rod clevis and clevis bracket



CONTENTS

Series variation	1397
• Double acting/single rod type (CAC3)	1398
Electric catalog file list	1410

Please refer to Intro 52 about safety precautions before starting use, while refer to Intro 45 about cylinder switches in general.

●: Standard, ◎: Option, ■: Not available

Variation	Model No. JIS symbol	Bore size (mm)	Stroke length (mm)					Max. stroke length (mm)	Option				Accessory			Switch	Page	
			50	75	100	125	150		BelloWS (100 °C)	Piston rod end thread length change	Limit switch bracket dog selected	No limit switch bracket dog	Toggle bracket	Cast iron	Steel			Steel
			K	N	D	D1	Q		Y	U1	I							
Double acting/ single rod type	CAC3	40, 50 63	●	●	●	●	●	150	◎	◎	◎	◎	◎	◎	◎	◎	1398	
		80	●	●	●	●	●	150	■	■	■	■	■	◎	■	◎		

SCP * 2
CMK2
CMA2
SCM
SCA2
SCS
CKV2
CAV2/
COV * 2
CAT
MDC2
MVC
SMD2
MSD/
MSDG
SSD
SSD
(large)
FC *
ULKP/
ULK
JSK2/
JSM2
JSC3
(medium)
JSC3
(large)
JSB3
UCAC
STS/
STL
LCS
LCY
STR2
UCA2
STK
USSD
USC
MFC
GLC
SHC
CAC3
HCM
HCA
MRL2
SRL2
SRG
SRM
SRT
SRB2

Combined functions
Clamp cylinder

Discontinue

Clamp cylinder

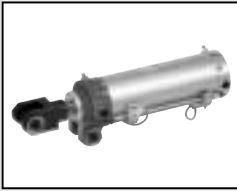
CAC3 Series

- Bore size: 40, 50, 63, 80 mm

JIS symbol



CAD DATA AVAILABLE.



Specifications

Descriptions	CAC3			
Bore size mm	40 dia.	50 dia.	63 dia.	80 dia.
Activation type	Double acting			
Working fluid	Compressed air			
Max. working pressure MPa	1.0			
Min. working pressure MPa	0.1			
Withstanding pressure MPa	1.6			
Ambient temperature °C	5 to 60			
Port size	Rc1/4			Rc3/8
Standard stroke length mm	50, 75, 100, 125, 150			
Working piston speed mm/s	50 to 500	50 to 400	50 to 300	
Cushion	Air cushioned			
Effective cushion length mm	13.5			
Lubrication	Not required (when lubrication, use turbine oil ISO VG32.)			
Mounting style	Clevis			

• Use this within absorbed energy range. Refer to the table below.

Cushion characteristic chart

Bore size (mm)	Effective cushion length (mm)	Allowable energy (J)	
		Cushioned	No cushion
40 dia.	13.5	5.14	0.137
50 dia.	13.5	6.41	0.137
63 dia.	13.5	11.37	0.205
80 dia.	15.4	25.4	0.360

• Cushion

The purpose of cushion is absorbing the kinetic energy that the piston has with using air compressibility to avoid colliding of piston and cover at the stroke limit, but cushion does not reduce the piston speed from the position close to the stroke end. The left table shows the kinetic energy that can be absorbed by cushion. When the kinetic energy exceeds this value, or to avoid a bound by air compressibility, please consider installing an external shock absorber.

$$\text{Kinetic energy (J)} = \frac{1}{2} \times \text{Mass (kg)} \times (\text{speed (m/s)})^2$$

Cylinder mass

[Unit: kg]

Bore size (mm)	Product mass per stroke length = 0mm	Additional mass per stroke length = 100mm	Accessory mass			
			Rod clevis	Rod eye	Limit switch bracket	Dog bracket
40 dia.	0.83	0.34	0.37	0.27	0.18	0.08
50 dia.	0.86	0.39				
63 dia.	1.12	0.39				
80 dia.	2.80	0.60	0.95	—	—	—

(E. g.) product mass of CAC3-A-40-150-Y

- When stroke length = 0mm, product mass is 0.83kg.
- Additional mass at stroke length = 150mm is $0.34 \times \frac{150}{100} = 0.51\text{kg}$
- Accessory mass (rod clevis) is 0.37kg
- Product mass is $0.89 + 0.51 + 0.37 = 1.77\text{kg}$

Switch specifications

- One/two color indicator

Descriptions	Proximity 2 wire			Proximity 3 wire		Reed 2 wire	
	T2H/T2V	T2JH/T2JV	T2YH/T2YV	T3H/T3V	T3YH/T3YV	T0H/T0V	T5H/T5V
Applications	Programmable controller only			Programmable controller, relay		Programmable controller, relay	
Power voltage	-			DC10 to 28V		-	
Load voltage	DC10 to 30V			DC30V or less		DC12/24V, 5 to 50mA	
Load current	5 to 20mA (Note 1)			100mA or less 50mA or less		AC110V, 7 to 20mA	
Current consumption	-			At DC24V 10mA or less (at ON state)		-	
Internal voltage drop	4V or less			0.5V or less		2.4V or less	
Light	LED (ON lighting)		Red/green LED (ON lighting)	LED (ON lighting)	Red/green LED (ON lighting)	LED (ON lighting)	
Leakage current	1mA or less			10 micron A or less		0mA	
Lead wire length	1m <small>(Oil resistant cabtire code 2 conductor 0.2 mm²)</small>	1m <small>(Oil resistant cabtire Code 2 conductor 0.3 mm²)</small>	1m <small>(Oil resistant vinyl cabtire code 3 conductor 0.2 mm²)</small>	1m <small>(Oil resistant vinyl cabtire code 3 conductor 0.2 mm²)</small>		1m <small>(Oil resistant vinyl cabtire code 2 conductor 0.2 mm²)</small>	
Max. shock resistance	980m/s ² {100G}			294m/s ² {30G}		294m/s ² {30G}	
Insulation resistance	20MΩ over at DC500V megger	100MΩ over at DC500V megger	20MΩ over at DC500V megger	100MΩ over at DC500V megger	20MΩ over at DC500V megger		
Withstand voltage	No failure impressed at AC1000V for one minute						
Ambient temperature	-10 to + 60 °C						
Protection structure	IEC standards IP67, JIS C0920 (water tight type), oil resistance						

Note 1: Max. load current : 20mA above is the value at 25 °C. When ambient temperature around a switch is higher than 25 °C, the value is lower than 20mA. (5 to 10mA at 60 °C).

- Strong magnetic field

Descriptions	Proximity 2 wire	
	T2YD	
Applications	Programmable controller	
Light	Red/green LED ON lighting	
Load voltage	DC24V±10%	
Load current	DC5 to 20mA	
Internal voltage drop	6V or less	
Leakage voltage	1.0mA or less	
Output delay time (Note 1) (ON delay, OFF delay)	30 to 60mS	
Lead wire (Note 2, 3)	Oil resistant vinyl cabtire code 6 dia., 0.5mm ² X 2 conductor (standard 1m)	
Insulation resistance	100MΩ over at DC500V megger	
Withstand voltage	No failure impressed at AC1000V for one minute	
Max. shock resistance	980m/s ² {100G}	
Ambient temperature	-10 to + 60 °C	
Protection structure	JIS C0920 (water tight type), IEC standards IP67, oil	

Note 1. This shows the time from magnetic sensor detects piston magnet until outputs a signal.

Note 2. For lead wire length, 3m and 5m are available as options.

Note 3. For lead wire material, flame resistance type is available as an option.

- Strong magnetic field

Descriptions	Reed 2 wire	
	H0	H0Y (2 color indicator)
Applications	Programmable controller, relay	Programmable controller only
Load voltage	DC12/24V	DC24V
Load current	5 to 50mA	7 to 20mA
Internal voltage drop	5V or less	
Leakage current	10 micron A or less	
Light	Green LED (ON lighting)	Red/green LED (ON lighting)
Lead wire (standard)	1m (flame resistance cabtire code 2 conductor 0.5mm ²)	
Insulation resistance	100MΩ over at DC500V megger	
Withstand voltage	No failure impressed at AC1000V for one minute	
Max. shock resistance	294m/s ² {30G}	
Ambient temperature	-10 to + 60 °C	
Protection structure	IEC standards IP67, JIS C9020 (water tight type), oil resistance	

Note 1: Following max. load current : 20mA is the value at 25 °C. When ambient temperature of switch is higher than 25 °C, the value is lower than 20mA. (5 to 10mA at 60 °C).

SCP * 2
CMK2
CMA2
SCM
SCA2
SCS
CKV2
CAV2/
COV * 2
CAT
MDC2
MVC
SMD2
MSD/
MSDG
SSD
SSD
(large)
FC *
ULKP/
ULK
JSK2/
JSM2
JSC3
(medium)
JSC3
(large)
JSB3
UCAC
STS/
STL
LCS
LCY
STR2
UCA2
STK
USSD
USD
MFC
GLC
SHC
CAC3
HCM
HCM
MRL2
SRL2
SRG
SRM
SRT
SRB2
Combined functions
Clamp cylinder

How to order

Without switch



With switch



Strong magnetic field proof switch (H0, H0Y switch)



A Clevis width
Note 1

B Bore size

C Cushion

D Stroke length

E Speed adjusting needle

F Switch model No.
Note 2
* shows lead wire length.

G Switch quantity

H Switch installation position

Symbol	Descriptions				
A Clevis width (mm)					
	Bore size (mm)	40 dia.	50 dia.	63 dia.	80 dia.
A	16.5	●	●	●	●
B	19.5	●	●	●	●
AL	16.5(Axial foot type)	●	●	●	●
BL	19.5(Axial foot type)	●	●	●	●

B Bore size (mm)	
40	40 dia.
50	50 dia.
63	63 dia.
80	80 dia.

C Cushion	
Blank	Both sides cushion
R	Rod side cushion
H	Head side cushion
N	No cushion

D Stroke length (mm)	
50, 75, 100, 125, 150	

E Speed adjusting needle	
Blank	Both sides
R	Rod side
H	Head side
N	Blank

F Switch model No.				
Axial lead wire	Radial lead wire	Reed Contact	Display	Lead wire
T0H *	T0V *	Reed	1 color indicator	2 wire
T5H *	T5V *			
T2H *	T2V *			
T3H *	T3V *	Proximity	2 color indicator	2 wire
T2YH *	T2YV *			
T3YH *	T3YV *			
T2YD *	-	Reed	Switch for strong magnetic field	2 wire
T2YDT *	-			
T2JH *	T2JV *	Reed	Off delay type	2 wire
H0 *	-			
H0Y *	-			

*Lead wire length	
Blank	1m (standard)
3	3m (option)
5	5m (option)

G Switch quantity	
R	One on rod side
H	One on head side
D	Two

H Switch installation position	
Blank	
B	
C	

I Accessory					
	Bore size	40 dia.	50 dia.	63 dia.	80 dia.
Y	Rod clevis cast iron	●	●	●	●
Y1	Rod clevis steel	●	●	●	●
Blank	No brackets	●	●	●	●
I	Rod eye steel	●	●	●	●
K	Bellows (neoprene) 100 °C	●	●	●	●
N	Piston rod end thread length change	●	●	●	●
D	Dog selected	●	●	●	●
D1	No dog	●	●	●	●
Q	Toggle bracket	●	●	●	●

⚠ Cautions for model No. selection

- Note 1: A clevis pin, a split pin, and a plain washer are attached to A, B, AL, BL.
Rod clevis width is as same as clevis width.
- Note 2: **F** Switches are available other than listed switch model No. (custom order)
Please refer to Ending 1 about details.
T2YD, T2YDT, H0, H0Y are strong magnetic field proof switches.
- Note 3: For Y and Y1, a pin, a split pin and a plain washer are attached.
- Note 4: For Q, piston rod projecting length is different from standard type. This cannot be installed to standard type.

<Example of model number>

CAC3-A-40R-50R-T0H-RB-Y1

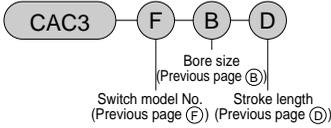
Model: Clamp cylinder

- A** Clevis width : 16.5mm
- B** Bore size : 40mm
- C** Cushion : Rod side
- D** Stroke length : 50mm
- E** Speed adjusting needle : Rod side
- F** Switch model No : Reed switch T0H, lead wire length 1m
- G** Switch quantity : One on rod side
- H** Switch installation position: B
- I** Accessory : Rod clevis (SS400)

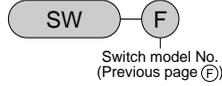
How to order switch

• T type switch

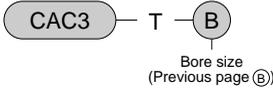
A) Switch main body + mounting bracket



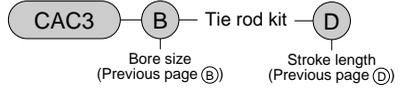
B) Switch only



C) Bracket kit

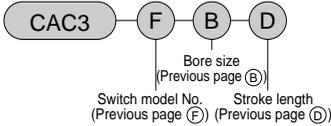


D) Mounting tie rod kit

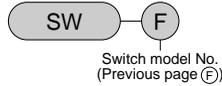


• T2YD type switch

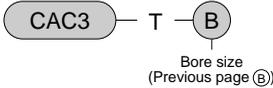
A) Switch main body + mounting bracket



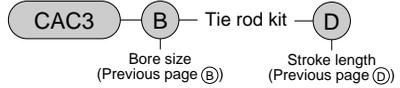
B) Switch only



C) Bracket kit

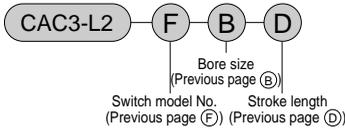


D) Mounting tie rod kit

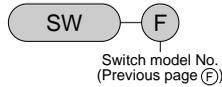


• H type switch

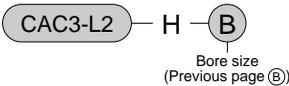
A) Switch main body + mounting bracket



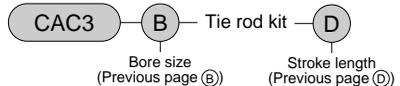
B) Switch only



C) Bracket kit

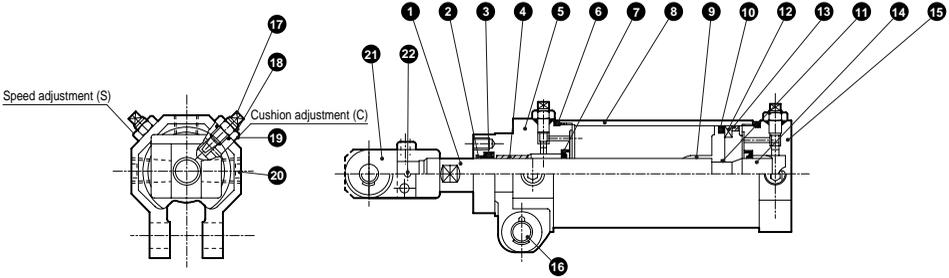


D) Mounting tie rod kit



- SCP * 2
- CMK2
- CMA2
- SCM
- SCA2
- SCS
- CKV2
- CAV2/COV * 2
- CAT
- MDC2
- MVC
- SMD2
- MSD/MSDG
- SSD
- SSD (large)
- FC *
- ULKP/ULK
- JSK2/JSK2
- JSM2
- JSC3 (medium)
- JSC3 (large)
- JSB3
- UCAC
- STS/STL
- LCS
- LCY
- STR2
- UCA2
- STK
- USSD
- USC
- MFC
- GLC
- SHC
- CAC3
- HCA
- MRL2
- SRL2
- SRG
- SRM
- SRT
- SRB2
- Combined functions
Clamp cylinder

Internal structure and parts list (40 to 63 mm bore)



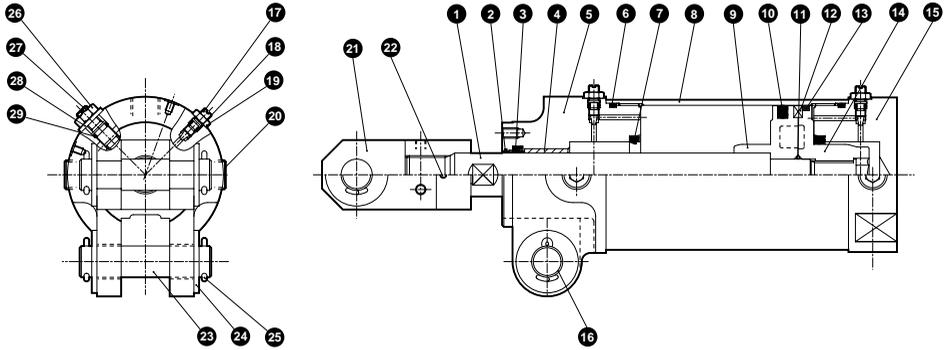
Note) A clevis pin, a knuckle pin, a split pin, and a plain washer are attached.

No.	Parts name	Material	Remarks	No.	Parts name	Material	Remarks
1	Piston rod	Steel		13	Wear ring		
2	Metal scraper	Copper alloy		14	Piston (H)	Aluminum alloy die casting	
3	Rod packing seal	Nitrile rubber		15	Head cover	Aluminum alloy die casting	
4	Metal	Copper alloy		16	Bush for clevis	PTFE immersed alloy	
5	Rod cover	Aluminum alloy die casting		17	Needle	Copper alloy	
6	Cylinder gasket	Nitrile rubber		18	Needle gasket	Nitrile rubber	
7	Cushion packing seal	Nitrile rubber		19	Hexagon nut	Copper alloy	
8	Cylinder tube	Aluminum alloy		20	Socket headed plug bolt	Steel	
9	Piston (R)	Aluminum alloy die casting		21	Rod clevis	Cast iron	
10	Piston packing seal	Nitrile rubber		22	Spring pin	Alloy steel	
11	Piston gasket	Nitrile rubber					
12	Piston magnet	Magnet					

Repair parts list

Bore size (mm)	Kit number	Repair parts number
40 dia.	CAC3-40K	
50 dia.	CAC3-50K	2 3 6 7 10 13 18
63 dia.	CAC3-63K	

Internal structure and parts list (80 mm bore)



- SCP * 2
- CMK2
- CMA2
- SCM
- SCA2
- SCS
- CKV2
- CAV2/
COV * 2
- CAT
- MDC2
- MVC
- SMD2
- MSD/
MSDG
- SSD
- SSD
(large)
- FC *
- ULKP/
ULK
- JSK2/
JSM2
- JSC3
(medium)
- JSC3
(large)
- JSB3
- UCAC
- STS/
STL
- LCS
- LCY
- STR2
- UCA2
- STK
- USSD
- USC
- MFC
- GLC
- SHC
- CAC3**
- HCM
- HCA
- MRL2
- SRL2
- SRG
- SRM
- SRT
- SRB2
- Combined functions
Clamp cylinder

Parts list

No.	Parts name	Material	Comment	No.	Parts name	Material	Comment
1	Piston rod	Steel		16	Bush for clevis	PTFE immersed alloy	
2	Metal scraper	Copper alloy		17	Needle	Copper alloy	
3	Rod packing seal	Nitrile rubber		18	Needle gasket	Nitrile rubber	
4	Bush	DU dry bearing		19	Hexagon nut	Copper alloy	
5	Rod cover	Aluminum alloy		20	Plug	Steel	
6	Cylinder gasket	Nitrile rubber		21	Rod clevis	Steel	
7	Cushion packing seal	Urethane rubber+Steel		22	Spring pin	Alloy steel	
8	Cylinder tube	Aluminum alloy		23	Clevis pin	Steel	
9	Piston(R)	Aluminum alloy die casting		24	Plain washer	Steel	
10	Piston packing seal	Nitrile rubber		25	Split pin	Steel	
11	Piston gasket	Nitrile rubber		26	Hexagon nut	Steel	
12	Piston magnet	Plastic magnet		27	Flow control valve needle	Steel	
13	Wear ring	Acetar resin		28	Plain washer	Steel	
14	Piston(H)	Aluminum alloy die casting		29	Needle gasket	Nitrile rubber	
15	Head cover	Aluminum alloy die casting					

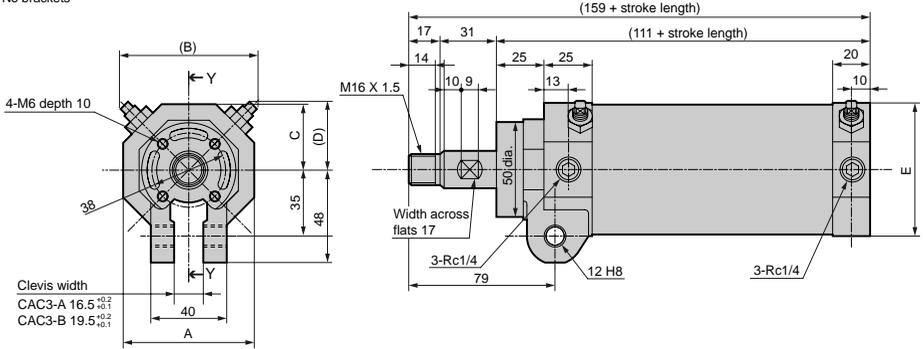
Repair parts list

Part name	Repair parts number
Kit number	
CAC3-80K	2 3 6 7 10 13 18 29

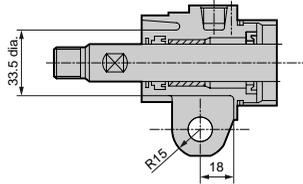
Dimensions (40, 50, 63 mm bore)

CAD (File name: Page 1410 or Ending 147)

• No brackets



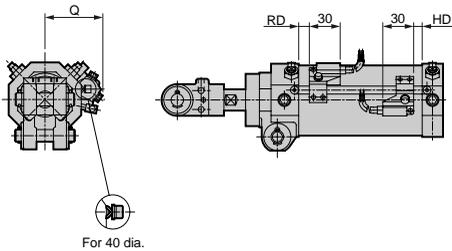
Symbol	A	(B)	C	(D)	E
40 dia.	60	66	30	30	60
50 dia.	60	68	30	30	60
63 dia.	70	72	35	36	70



Cross section Y-Y

T2YD installation dimensions (40, 50, 63, 80 mm bore)

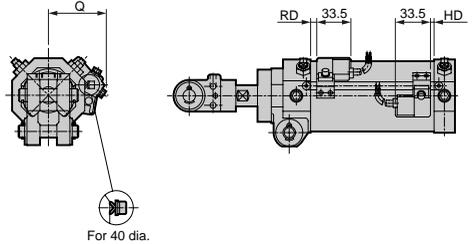
• CAC3



Symbol	HD	RD	Q
40 dia.	8.5	10.5	46
50 dia.	8.5	10.5	50
63 dia.	8.5	10.5	56
80 dia.	19	26	65

H0Y installation dimensions (40, 50, 63 mm bore)

• CAC3-L2



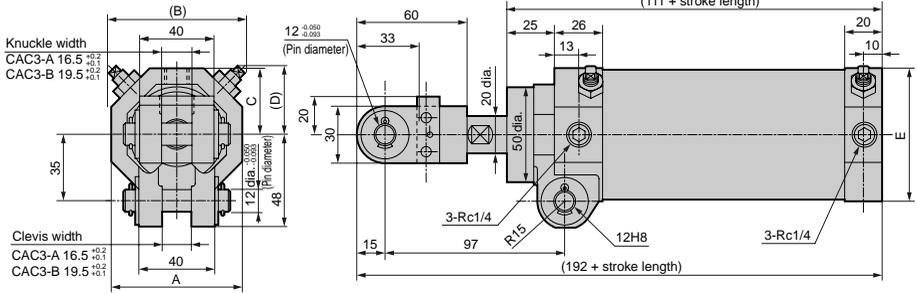
Symbol	HD	RD	Q
40 dia.	2.5	4.5	46
50 dia.	2.5	4.5	50
63 dia.	2.5	4.5	56

Dimensions (40, 50, 63 mm bore)



(File name: Page 1410 or Ending 147)

• (Y) with rod clevis

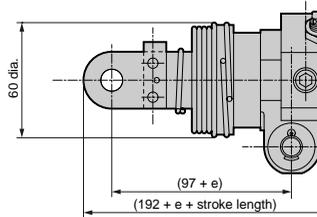


Symbol	A	(B)	C	(D)	E
40 dia.	60	66	30	30	60
50 dia.	60	68	30	30	60
63 dia.	70	72	35	36	70



(File name: Page 1410 or Ending 147)

• With bellows (K)



- Dotted line at knuckle part shows material (SS41).
- A clevis pin, a knuckle pin, a split pin and a plain washer are attached.

• Dimensions with bellows

Stroke length	Rod clevis, with bellows				
Symbol	50	51 to 75	76 to 100	101 to 125	126 to 150
e	○	10	18	31	31

- SCP * 2
- CMK2
- CMA2
- SCM
- SCA2
- SCS
- CKV2
- CAV2/COV * 2
- CAT
- MDC2
- MVC
- SMD2
- MSD/MSDG
- SSD
- SSD (large)
- FC *
- ULKP/ULK
- JSK2/JSM2
- JSC3 (medium)
- JSC3 (large)
- JSB3
- UCAC
- STS/STL
- LCS
- LCY
- STR2
- UCA2
- STK
- USSD
- USC
- MFC
- GLC
- SHC
- CAC3
- HCM
- HCA
- MRL2
- SRL2
- SRG
- SRM
- SRT
- SRB2

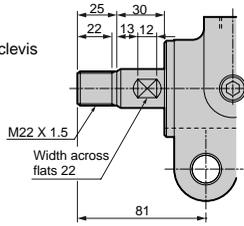
Combined functions
Clamp cylinder

Dimensions (80 mm bore)

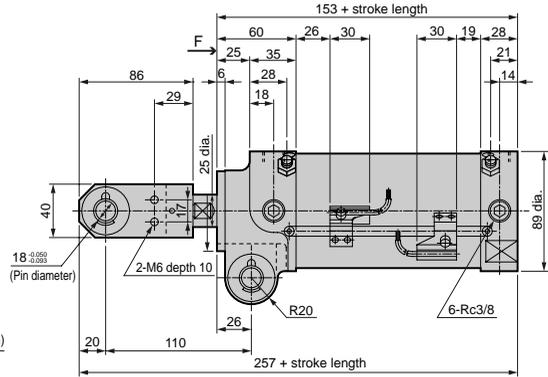
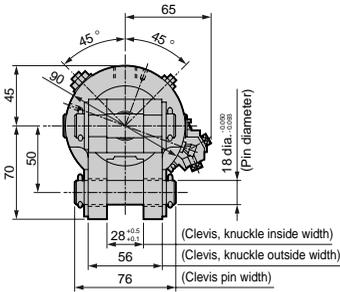


(File name: Page 1410 or Ending 147)

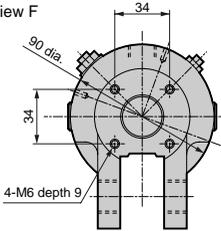
No rod clevis



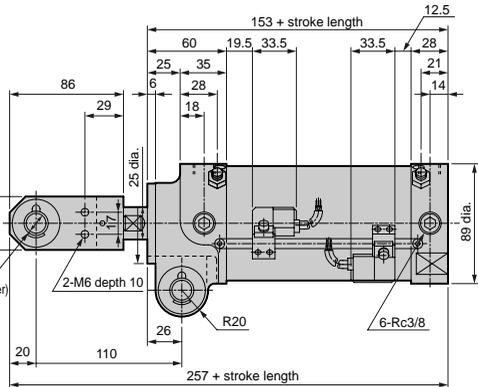
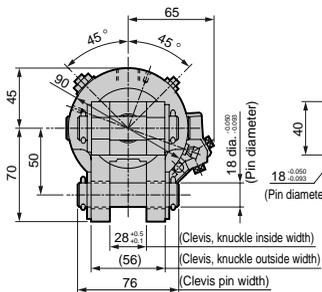
• T * H can be installed. (CAC3)



View F

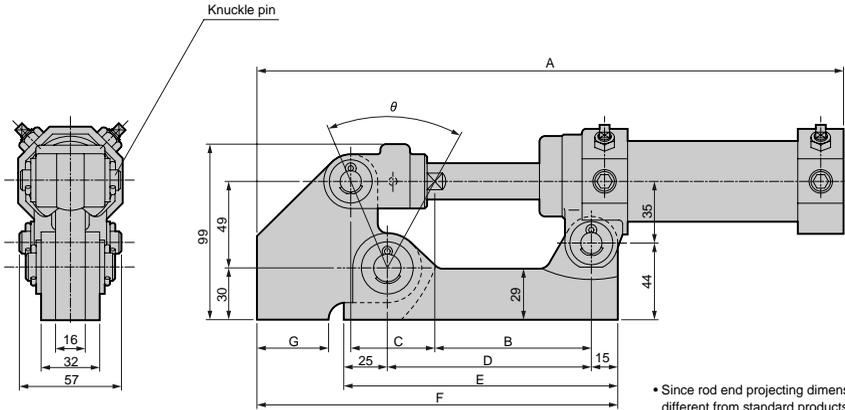


• H0Y can be installed (CAC3-L2)



Dimensions: Toggle bracket (40 to 63mm) (File name: Page 1410 or Ending 147)

- Toggle bracket



- Since rod end projecting dimensions is different from standard products, this cannot be installed on standard products.
- Figure shows dimensions of rods projecting section.
B dimension indicates the knuckle pin center position at rod retracted.
- Dimensions with bellows is same.
- This product is welded to install.
- 80 mm bore is not available.

Symbol Model No.	Stroke length	A	B	C	D	E	F	G	θ°
CAC3-A-50 *-Q	50	324	97	44	119	159	209	50	48
CAC3-A-75 *-Q	75	372	107	70	142	182	232	50	71
CAC3-A-100 *-Q	100	415	115	90	160	200	250	50	85
CAC3-A-125 *-Q	125	468	128	120	188	228	278	50	101
CAC3-A-150 *-Q	150	513	128	140	198	238	298	50	110

- SCP * 2
- CMK2
- CMA2
- SCM
- SCA2
- SCS
- CKV2
- CAV2/
COV * 2
- CAT
- MDC2
- MVC
- SMD2
- MSD/
MSDG
- SSD
- SSD
(large)
- FC *
- ULKP/
ULK
- JSK2/
JSM2
- JSC3
(medium)
- JSC3
(large)
- JSB3
- UCAC
- STS/
STL
- LCS
- LCY
- STR2
- UCA2
- STK
- USSD
- USC
- MFC
- GLC
- SHC
- CAC3
- HCM
- HCA
- MRL2
- SRL2
- SRG
- SRM
- SRT
- SRB2

Combined functions
Clamp cylinder

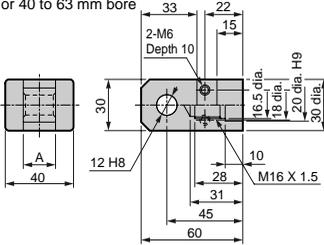
Accessory dimensions



(File name: Page 1410 or Ending 147)

- Rod eye (material steel)

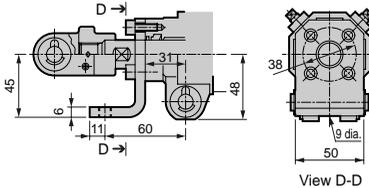
For 40 to 63 mm bore



Part number	A	Applicable clamp
CAC3-IB	19.5 ^{+0.1} _{-0.2}	CAC3-A, CAC3-B

- Axial foot type

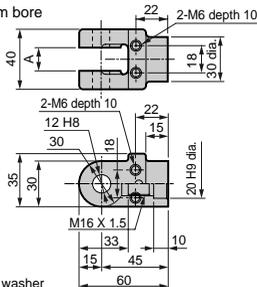
For 40 to 63 mm bore



- Rod clevis (Y)

For 40 to 63 mm bore

Material: Cast iron

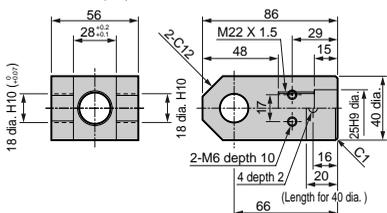


- Pin, split pin, plain washer

Part number	A	Applicable clamp
CAC3-YA	16.5 ^{+0.2} _{+0.1}	CAC3-A
CAC3-YB	19.5 ^{+0.2} _{+0.1}	CAC3-B

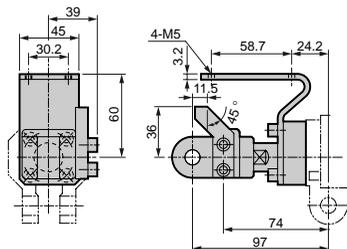
- Rod clevis (Y1) for 80 mm bore

Material: Steel



- Limit switch bracket (product number CAC3-L) (material steel)
- Dog bracket (product number CAC3-D) (material steel)

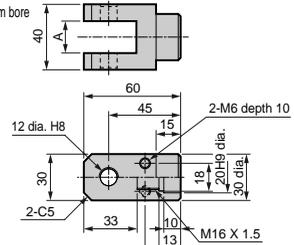
For 40 to 63 mm bore



- For limit switch, use one equivalent to WLH2 type [OMRON].

- Rod clevis (Y1: Material steel)

For 40 to 63 mm bore



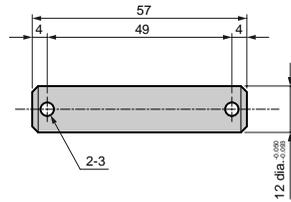
- Pin, split pin, plain washer

Part number	A	Applicable clamp
CAC3-Y1A	16.5 ^{+0.2} _{+0.1}	CAC3-A
CAC3-Y1B	19.5 ^{+0.2} _{+0.1}	CAC3-B

- Clevis pin (part number CAC3-P)

Material: Steel

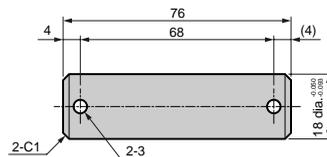
For 40 to 63 mm bore



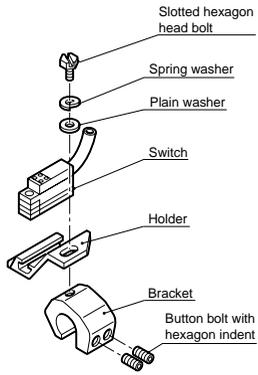
- Split pin, plain washer

- Clevis pin for 80 mm bore

Material: Steel



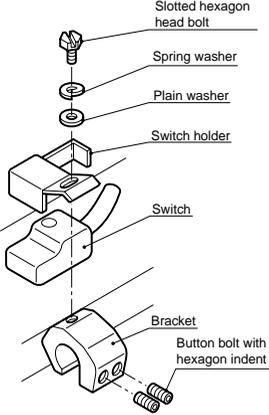
Installing and moving the T switch



- Installation**
- (1) Pass the spring and plain washers through the slotted hexagon head bolt, and set the holder.
 - (2) Fit the bracket onto the cylinder tie rod and tighten the hexagon socket head cap screw with a tightening torque of 0.5 to 0.7 N-m.
 - (3) Finally, tighten the button bolt with hexagon indent with a tightening torque of 1.7 to 2.0 N-m.

- Movement**
1. Fine adjustment
Loosen the slotted hexagon head bolt, and move only the switch. Tighten the bolt at the required position with a tightening torque of 0.5 to 0.7 N-m.
 2. Rough adjustment
Completely loosen the slotted hexagon head bolt and setscrew, and move the entire bracket to the required position. Then, tighten the slotted hexagon head bolt with a tightening torque of 0.5 to 0.7 N-m.
Then, tighten the setscrew with a tightening torque of 1.7 to 2.0 N-m.

Installing and moving the H switch



- Installation**
- (1) Pass the plain and spring washers through the slotted hexagon head bolt, and fit onto the switch holder oval hole and then into the bracket.
 - (2) Fit the bracket onto the cylinder tie rod and tighten the hexagon socket head cap screw with a tightening torque of 1.5 to 1.9 N-m.
 - (3) Finally, tighten the button bolt with hexagon indent with a tightening torque of 1.7 to 2.0 N-m.

- Movement**
1. Fine adjustment
Loosen the slotted hexagon head bolt, and move only the switch. Tighten the bolt at the required position with a tightening torque of 1.5 to 1.9 N-m.
 2. Rough adjustment
Completely loosen the slotted hexagon head bolt and setscrew, and move the entire bracket to the required position. Tighten the slotted hexagon head bolt. Then, tighten the setscrew with a tightening torque of 1.7 to 2.0 N-m.

SCP * 2
CMK2
CMA2
SCM
SCA2
SCS
CKV2
CAV2/ COV * 2
CAT
MDC2
MVC
SMD2
MSD/ MSDG
SSD
SSD (large)
FC *
ULKP/ ULK
JSK2/ JSM2
JSC3 (medium)
JSC3 (large)
JSB3
UCAC
STS/ STL
LCS
LCY
STR2
UCA2
STK
USSD
USC
MFC
GLC
SHC
CAC3
HCM
HCA
MRL2
SRL2
SRG
SRM
SRT
SRB2

Combined functions
Clamp cylinder