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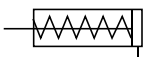
PIN CYLINDER SERIES CJP
SINGLE ACTING

- Bore sizes 6,10,15mm
- Panel mount or plug mount design
- With or without piston rod thread
- Ultra compact design

TECHNICAL SPECIFICATIONS

Action		Single acting-spring retracted
Max. operating pressure		7 Bar
Min Operating pressure	Ø6	2 Bar
	Ø10, Ø15	1.5 Bar
Proof pressure		10.5 Bar
Ambient and fluid temperature		-10~+70°C
Lubrication		Not required
Cushion		Nil
Stroke Tolerance		$^{+1.0}_{-0}$
Rod end thread		Male thread/Without thread
Mounting method	Panel Mount type	Plug mount kit as accessory

SYMBOL



HOW TO ORDER
CJP PIN CYLINDER-SINGLE ACTING

CJPB — H6 —

BORE SIZE
6
10
15

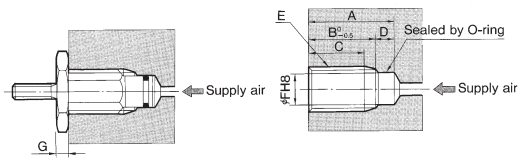
STROKE (MM)
5
10
15

HOSE NIPPLE FOR Ø6X4MM I/D TUBE

PISTON ROD THREAD
Nil ...With
B .....Without

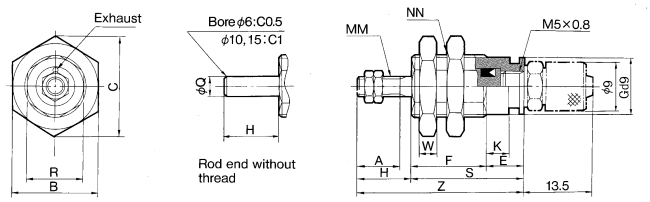
STOCKED PRODUCTS
FOR A LIST OF STOCKED PRODUCTS, PLEASE SEE THE CURRENT SMC PRICE LIST

DIMENSIONS
RECOMMENDED MOUNTING HOLE DIMENSIONS FOR PLUG MOUNT



Bore size (mm)	Stroke	A	B	C	D	E	ØF	G
6	5	16	12.5	10	3.5	M10x1.0	8.5	3
	10	23	19.5	17				
	15	30	26.5	24				
10	5	17	13.5	10.5	3.5	M15x1.5	12	4
	10	23.5	20	17				
	15	30.5	27	24				
15	5	19	14.5	11.5	4.5	M22x1.5	19	5
	10	25	20.5	17.5				
	15	31.5	27	24				

DIMENSIONS
PANEL MOUNT TYPE: CJPB



Bore size (mm)	A	B	C	E	F 5st	F 10st	F 15st	ØG	H	K	MM	NN	R	S 5st	S 10st	S 15st	W	Z 5st	Z 10st	Z 15st	Q
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3X0.5	M10X1.0	9	18.5	25.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.5	M4x0.7	M15x1.5	13	20.5	27	34	4	32.5	39	46	5
15	12	27	31	7	16.5	22.5	29	19	14	4.2	M5x0.8	M22x1.5	20	23.5	29.5	36	5	37.5	43.5	50	6

ACCESSORIES
CJP PIN CYLINDER-SINGLE ACTING

'O' Ring for Plug Mount
SO-012-14 .....(6mm)
SO-013-6 .....(10mm)
SO-014-5 .....(15mm)

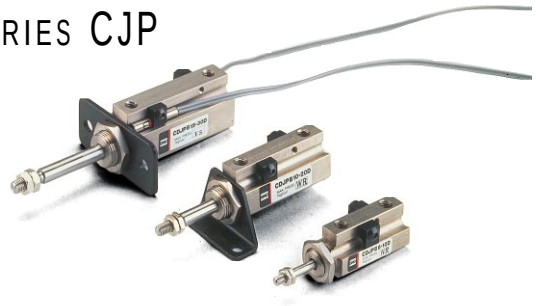
Fixed Orifice Fitting
CJ-H4-M5 .....Ø4mm Tube
CJ-H6-M5 .....Ø6mm Tube

STOCKED PRODUCTS
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Actuators

PIN CYLINDER SERIES CJP
DOUBLE ACTING

- Bore sizes 6,10,15mm
- 5 mounting options
- Magnetic piston standard
- Compact design



HOW TO ORDER
CJP PIN CYLINDER-DOUBLE ACTING

CDJPB ○ — ○ D ○

BORE SIZE
6, 10, 15

STROKE (MM)
5,10,15,20 .....(6mm bore)
5,10,15,20,25,30 .....(10, 15mm bore)

PISTON ROD THREAD
Nil ...With male thread
B .....Without male thread

TECHNICAL SPECIFICATIONS

Action		Double Acting
Max. operating pressure		7 Bar
Min. operating pressure	Ø6	1.2 Bar
	Ø10, Ø15	0.6 Bar
Proof Pressure		10.5 Bar
Ambient and fluid temperature		-10 ~ +60°C
Lubrication		Not required
Stroke tolerance		$^{+1.0}_{-0}$
Rod end thread		Male thread/Without thread
Cushion		Rubber bumper at both ends
Type of mounting		Nose mount, Flange mount, Foot mount, Clevis mount, Trunnion mount

AUTO SWITCH SPECIFICATIONS*

Auto switch model	Reed switch	
	D-90L	D-97L
Applications	Relay, Sequence control, IC circuit	Relay, Sequence control
Load voltage	24V DC or less	
Max. load current/range of load current	50mA	5~40mA
Internal voltage drop	0	2.4V or less
Leak current	0	
Response time	1.2ms	
Indicator lamp	None	ON: Red light emitting diode
Electrical entry	Grommet	
Lead wire	Vinyl 0.2mm², 2wire 0.5m (3m)	
Impact resistance	30G	
Insulation resistance	50MΩ or more at 500V DC (between case and cable)	
Min. breakdown voltage	1000V AC 1min (between case and cable)	
Ambient temperature	5~60°C	
Protection structure	IEC spec IP67, JISC0920 (immersion-proof)	

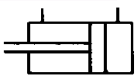
* Auto Switch cannot be installed with clevis or trunnion mount

STOCKED PRODUCTS
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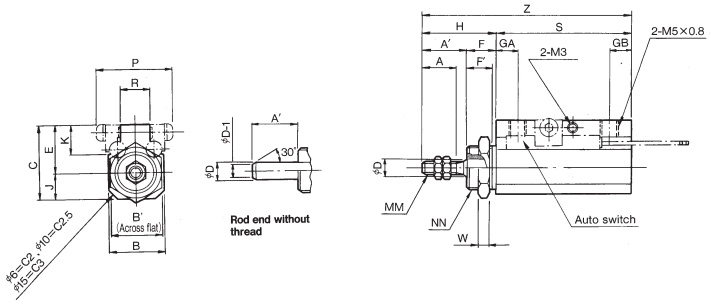
ACCESSORIES
CJP PIN CYLINDER-DOUBLE ACTING

Nose Mount Lock Nut
SNP-006 .....(Ø6mm)
SNP-010 .....(Ø10mm)
SNP-015 .....(Ø15mm)
Flange Mount Kit
CP-F006 .....(Ø6mm)
CP-F010 .....(Ø10mm)
CP-F015 .....(Ø15mm)
Foot Mount Kit
CP-L006 .....(Ø6mm)
CP-L010 .....(Ø10mm)
CP-L015 .....(Ø15mm)
Rod End Locknut
NTP-006 .....(Ø6mm)
NTP-010 .....(Ø10mm)
NTP-015 .....(Ø15mm)
Single Rod Clevis
I-P006 .....(Ø6mm)
I-P010 .....(Ø10mm)
I-P015 .....(Ø15mm)
Double Rod Clevis
Y-P006 .....(Ø6mm)
Y-P010 .....(Ø10mm)
Y-P015 .....(Ø15mm)
Clevis Pin
IY-P006 .....(Ø6mm)
IY-P010 .....(Ø10mm)
IY-P015 .....(Ø15mm)
Trunnion (with pin)
CP-T006 .....(Ø6mm)
CP-T010 .....(Ø10mm)
CP-T015 .....(Ø15mm)
Auto Switches
D-90L.....Reed type
D-A93L .....Reed type
Switch Mount
BP-1

SYMBOLS



DIMENSIONS
NOSE MOUNT: C•JPB



Bore size (mm)	W	Z					With auto switch		
		5st	10st	15st	20st	30st	C	E	P
6	3	47.5	52.5	57.5	62.5	-	16.5	10.5	20
10	3	50.5	55.5	60.5	65.5	75.5	20	13	21
15	4	54.5	59.5	64.5	69.5	79.5	24.5	15.5	23

MORE DIMENSIONS SEE NEXT PAGE

Bore size (mm)	A	A'	B	B'	ØD	F	F'	GA	GB	H	J	K	MM	NN	R	S				
																5st	10st	15st	20st	30st
6	7	9	14	14	3	8	6.5	6	6	17	6	8	M3x0.5	M10x1.0	7	30.5	35.5	40.5	45.5	-
10	10	12	15	17	5	8	6.5	6	7	20	7	8	M4x0.7	M12x1.0	8	30.5	35.5	40.5	45.5	55.5
15	12	14	20	19	6	10	8.5	6	7	24	9	8	M5x0.8	M14x1.0	10	30.5	35.5	40.5	45.5	55.5

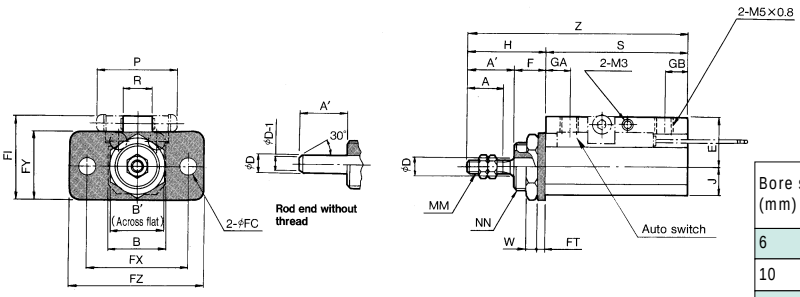
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FOR FURTHER TECHNICAL DETAILS ON THIS PRODUCT REQUEST CATALOGUE REFERENCE E203-B

DIMENSIONS FLANGE MOUNT

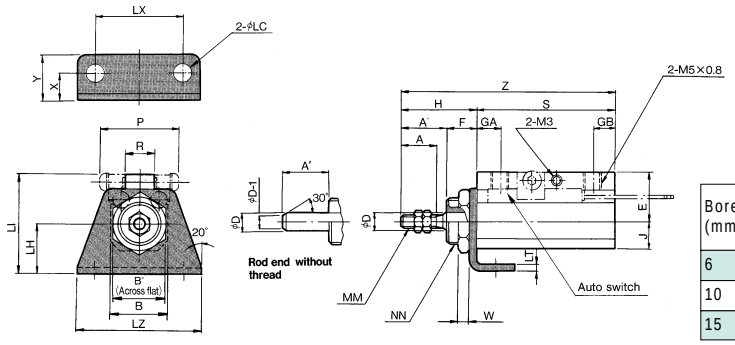
Bore size (mm)	A	A'	B	B'	ØD	E	F	GA	GB	H	J	MM	NN	R	ØFC	FT	FX	FY	FZ
6	7	9	14	14	3	10.5	8	6	6	17	6	M3X0.5	M10X1.0	7	3.4	1.6	24	16	32
10	10	12	15	17	5	13	8	6	7	20	7	M4X0.7	M12X1.0	8	4.5	1.6	28	18	37
15	12	14	20	19	6	15.5	10	6	7	24	9	M5X0.8	M14X1.0	10	5.5	2.3	36	22	49



Bore size (mm)	S					W	Z					With auto switch	
	5st	10st	15st	20st	30st		5st	10st	15st	20st	30st	P	FI
6	30.5	35.5	40.5	45.5	-	3	47.5	52.5	57.5	62.5	-	20	18.5
10	30.5	35.5	40.5	45.5	55.5	3	50.5	55.5	60.5	65.5	75.5	21	22
15	30.5	35.5	40.5	45.5	55.5	4	54.5	59.5	64.5	69.5	79.5	23	26.5

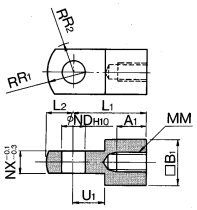
DIMENSIONS FOOT MOUNT

Bore size (MM)	A	A'	B	B'	øD	E	F	GA	GB	H	MM	NN	R	X	Y	øLC	LH	LT	LX	LZ
6	7	9	14	14	3	10.5	8	6	6	17	M3X0.5	M10X1.0	7	6.5	10.5	3.4	11	1.6	20	28
10	10	12	15	17	5	13	8	6	7	20	M4X0.7	M12X1.0	8	7	12	4.5	13	1.6	24	33
15	12	14	20	19	6	15.5	10	6	7	24	M5X0.8	M14X1.0	10	10	16.5	5.5	18	2.3	30	43



Bore size (mm)	S					W	Z					J	With auto switch	
	5st	10st	15st	20st	30st		5st	10st	15st	20st	30st		P	LI
6	30.5	35.5	40.5	45.5	-	3	47.5	52.5	57.5	62.5	-	6	20	21.5
10	30.5	35.5	40.5	45.5	55.5	3	50.5	55.5	60.5	65.5	75.5	7	21	26
15	30.5	35.5	40.5	45.5	55.5	4	54.5	59.5	64.5	69.5	79.5	9	23	33.5

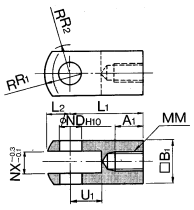
DIMENSIONS SINGLE ROD CLEVIS



Model	Bore size (mm)	A1	B1	øNDH10	L1	L2	MM
I-P006	6	5	6	3 +0.020 0.045	12	3.5	M3X0.5
I-P010	10	6.5	10	5 +0.030 0.060	16	5.5	M4X0.7
I-P015	15	7	12	6 +0.030 0.060	19	7	M5X0.8

Model	U1	NX	R1	R2
I-P006	5	3	5	4
I-P010	7	5	8	6.3
I-P015	9	6	10	7.8

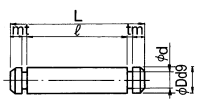
DIMENSIONS DOUBLE ROD CLEVIS



Model	Bore size (mm)	A1	B1	øNDH10	L1	L2	MM
Y-P006	6	5	6	3 +0.045 0.020	12	3.5	M3X0.5
Y-P010	10	6.5	10	5 +0.030 0.060	16	5.5	M4X0.7
Y-P015	15	7	12	6 +0.030 0.060	19	7	M5X0.8

Model	U 1	N X	R1	R2
Y-P006	5	3	5	4
Y-P010	7	5	8	6.3
Y-P015	9	6	10	7.8

DIMENSIONS CLEVIS PIN



Model	Bore size (mm)	øD d9	L	ød	ℓ	m
IY-P006	6	3 +0.040 0	9	2.85	6.2	0.75
IY-P010	10	5 +0.040 0	13.6	4.8	10.2	1
IY-P015	15	6 +0.040 0	15.8	5.7	12.2	1

Model	t	Clip
IY-P006	0.65	Ctype 3
IY-P010	0.7	Ctype 5
IY-P015	0.8	Ctype 6

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