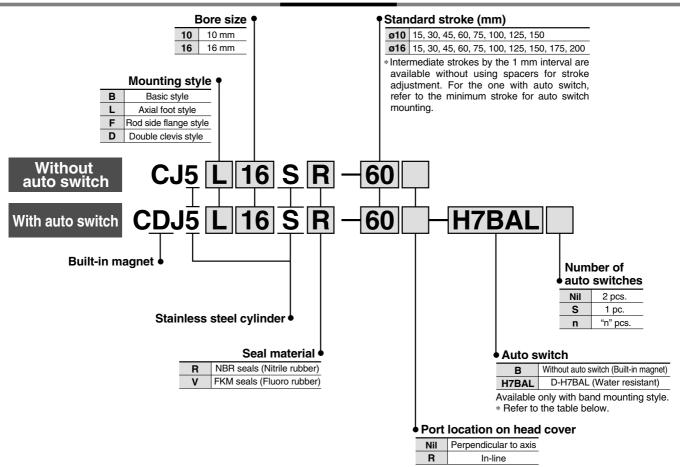


Stainless Steel Cylinder

Series CJ5-S

ø10, ø16

How to Order



^{*} Only perpendicular to the axis for double clevis style.

Applicable Auto Switch/Refer to page 10-20-1 for further information on auto switches.

Туре	Special function Electrical entry Indicator light		Wiring (Output)	Load v		Auto switch model	Lead wire le 3 (L)	ength (m)* 5 (Z)	Pre-wire connector	Applicable load	
Solid state switch	Water resistant (2-color indication)	Grommot	Yes	2-wire	24 V	12 V	Н7ВА	•	0	0	Relay, PLC

^{*} Lead wire length symbols: 3 m------L (Example) H7BAL 5 m-----Z (Example) H7BAZ

Auto Switch Mounting Bracket Part No.

Bore size (mm)	Auto switch mounting bracket no.	Note
10	BJ2-010S	With mounting screws
16	BJ2-016S	made of stainless steel

Grease pack for stainless steel cylinders/Part no.: GR-R-010 (10 g)

Mounting Bracket Part No.

Mounting bracket	Bore si	ze (mm)
Mounting bracket	10	16
Foot	CJ-L016SUS	CJK-L016SUS
Flange	CJ-F016SUS	CJK-F016SUS
T-bracket *	CJ-T010SUS	CJ-T016SUS

^{*} T-bracket is applicable to the double clevis style (D).



 $[\]ast$ Solid state switches marked with "O" are produced upon receipt of order.

[•] For details about auto switches with pre-wire connector, refer to page 10-20-66.

Stainless Steel Cylinder Series CJ5-S

Specifications



JIS Symbol Double acting, Single rod



Action		Double acting, Single rod							
Fluid		Air							
Proof pressure		1.05 MPa							
Maximum operating pressu	re	0.7 MPa							
Minimum operating pressur	е	0.1 MPa							
Ambient and fluid temperate	ure	Without auto switch: -10 to 70°C (No freezing) With auto switch: -10 to 60°C (No freezing)							
Cushion		Rubber bumper							
Lubrication		Not required (Non-lube)							
Thread tolerance		JIS Class 2							
Stroke length tolerance		+ 1.0 0							
Piston speed		50 to 750 mm/s							
Allaurable kinetie eneme	ø10	0.035 J							
Allowable kinetic energy	ø16	0.090 J							
Mounting		Basic style, Axial foot style, Rod side flange style, Double clevis style							

Standard Stroke

Bore size (mm)	Standard stroke
10	15, 30, 45, 60, 75, 100, 125, 150
16	15, 30, 45, 60, 75, 100, 125, 150, 175, 200

^{*} Intermediate strokes by the 1 mm interval are available without using spacers for stroke adjustment. For the one with auto switch, refer to the minimum stroke for auto switch mounting. (P. 10-14-17)

Mounting Style and Accessory

	Mounting		Basic style	Axial foot style	Rod side flange style	Double clevis style *
ent	Mounting nut		•	•	•	_
Standard equipment	Rod end nut		•	•	•	•
\$ p	Clevis pin		_	_	_	•
	Single knuckle joir	nt	•	•	•	•
5	Double knuckle joi	int (With pin)*	•	•	•	•
Option	T-bracket		_	_	_	•
O	Rod end cap	Flat type	•	•	•	•
	пои епи сар	Round type	•	•	•	•
. Di-		la!		de en el el en del el lore		

^{*} Pin and snap ring are shipped together with double clevis and double knuckle joint.

Weight			(g)
	Bore size (mm)	10	16
Basic weight	*	52	96
Additional we	eight per each 15 mm of stroke	4	6.5
Mounting	Axial foot style	22	22
bracket	Rod side flange style	16	16
weight	Double clevis style (With pin) **	6	16

^{*} Mounting nut and rod end nut are included in the basic weight.

Calculation: (Example) CJ5L10SR-45 • Basic weight 52 (Ø10)

Mounting bracket weight------ 22 (Axial foot type)

 $52 + 4/15 \times 45 + 22 = 86 \text{ g}$

RE A

REC

 $C \square X$

CUY

MQ Q

RHC

MK(2)

RS_G

RS A

RZQ

MIS

CEP1

CE1

CE₂

ML2B

C_G5-S CV

MVGQ

CC

RB

D-

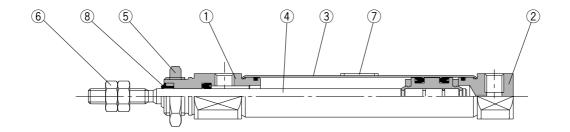
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20-



^{**} Mounting nut is not included in double clevis style.

Construction (Not able to disassemble.)



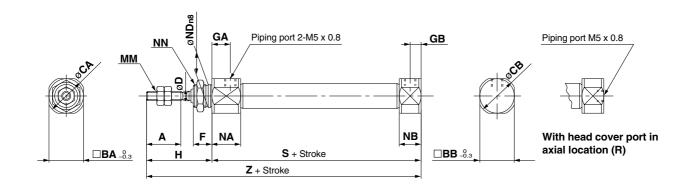
Component Parts

No.	Description	Materia	al
1	Rod cover	Stainless ste	eel 304
2	Head cover	Stainless ste	eel 304
3	Cylinder tube	Stainless ste	eel 304
4	Piston rod	Stainless ste	eel 304
(5)	Mounting nut	Stainless ste	eel 304
6	Rod end nut	Stainless ste	eel 304
7	Label protector	PET	
(8)	10/	CJ5□□SR	NBR
•	Water resistant scraper	CJ5□□SV	FKM

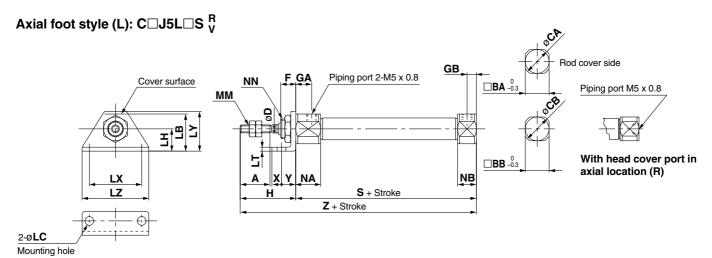
Stainless Steel Cylinder Series CJ5-S

Dimensions

Basic style (B): C□J5B□S R



Bore size (mm)	A	ВА	ВВ	CA	СВ	D	F	GA	GB	Н	ММ	NN	NA	NB	ND _{n8}	S	z
10	15	15	12	17	14	4	8	8	5	28	M4 x 0.7	M10 x 1.0	12.5	9.5	$10_{-0.022}^{0}$	46	74
16	15	18.3	18.3	20	20	5	8	8	5	28	M5 x 0.8	M12 x 1.0	12.5	9.5	$12_{-0.027}^{0}$	47	75



Bore size (mm)	A	ВА	вв	CA	СВ	D	F	GA	GВ	Н	LB	LC	LH	LT	LX	LY	LZ	ММ	NN	NA	NB	s	х	Υ	z
10	15	15	12	17	14	4	8	8	5	28	21.5	5.5	14	2.5	33	25	42	M4 x 0.7	M10 x 1.0	12.5	9.5	46	6	9	74
16	15	18.3	18.3	20	20	5	8	8	5	28	23	5.5	14	2.5	33	25	42	M5 x 0.8	M12 x 1.0	12.5	9.5	47	6	9	75

RE A

REC

C□X

C□Y

MQ M

RHC

MK(2)

RS^Q_G

RSA A

RZQ

MI w CEP1

CE1

CE2

ML2B

C_G5-S

CV

MVGQ CC

RB

J

D-

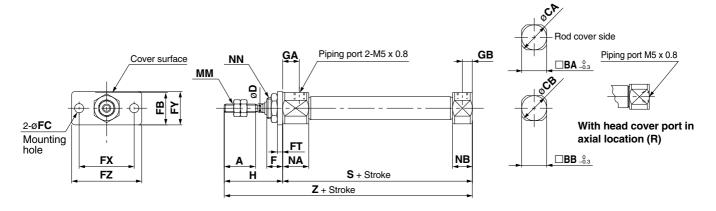
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20-

Series CJ5-S

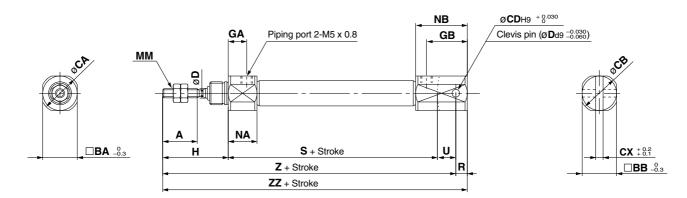
Dimensions

Rod side flange style (F): $C \square J5F \square S_V^R$



Bore size (mm)	A	ва	ВВ	CA	СВ	D	F	FB	FC	FT	FX	FY	FZ	GA	GB	н	ММ	NN	NA	NB	s	Z
10	15	15	12	17	14	4	8	17.5	5.5	2.5	33	20	42	8	5	28	M4 x 0.7	M10 x 1.0	12.5	9.5	46	74
16	15	18.3	18.3	20	20	5	8	19	5.5	2.5	33	20	42	8	5	28	M5 x 0.8	M12 x 1.0	12.5	9.5	47	75

Double clevis style (D): C□J5D□S R



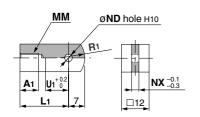
Bore size (mm)	А	ва	вв	CA	СВ	CD (Cd)	сх	D	GA	GB	Н	ММ	NA	NB	R	s	U	z	ZZ
10	15	15	12	17	14	3.3	3.2	4	8	18	28	M4 x 0.7	12.5	22.5	5	46	8	82	87
16	15	18.3	18.3	20	20	5	6.5	5	8	23	28	M5 x 0.8	12.5	27.5	8	47	10	85	93

 $^{* \} Clevis \ pin \ and \ snap \ ring \ are \ shipped \ together.$

Stainless Steel Cylinder Series CJ5-S

Accessory Dimensions

Single Knuckle Joint

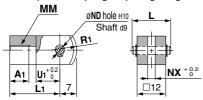


Material. Stairliess steel 304											

Part no.	Applicable bore size (mm)		L1	ММ	ND H10	NX	R1	U1
I-J010SUS	10	8	21	M4 x 0.7	3.3 + 0.048	3.1	8	9
I-J016SUS	16	8	25	M5 x 0.8	5 +0.048 0	6.4	12	14

Double Knuckle Joint

 $\ensuremath{^{*}}$ Knuckle pin and snap ring are packaged together.

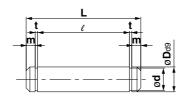


Material: Stainless steel 304

Part no.	Applicable bore size (mm)		L	L1	ММ	ND _{d9}
Y-J010SUS	10	8	15.2	21	M4 x 0.7	3.3 -0.030
Y-J016SUS	16	11	16.6	21	M5 x 0.8	5 ^{-0.030} -0.060

Part no.	ND H10	NX	R1	U1
Y-J010SUS	3.3 + 0.048	3.2	8	10
Y-J016SUS	5 + 0.048 0	6.5	12	10

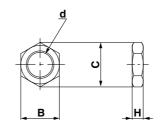
Clevis Pin



Material: Pin and snap ring both stainless steel 304

Part no.	Applicable bore size (mm)	D d9	d	L	l	m	t	Applicable snap ring
CD-J010	10	3.3-0.030	3	15.2	12.2	1.2	0.3	Type C 3.2
CD-Z015SUS	16	5 ^{-0.030} -0.060	4.8	22.7	18.3	1.5	0.7	Type C 5

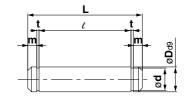
Mounting Nut



Material: Stainless steel 304

Part no.	Applicable bore size (mm)	В	С	d	Н
SNJ-016SUS	10	14	16.2	M10 x 1.0	4
SNKJ-016SUS	16	17	19.6	M12 x 1.0	4

Knuckle Pin

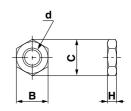


Material: Pin and snap ring both stainless steel 304

Part no.	Applicable bore size (mm)	D d9	d	L	l	m	t	Applicable snap ring
CD-J010	10	3.3-0.030	3	15.2	12.2	1.2	0.3	Type C 3.2
IY-J015SUS	16	5 ^{-0.030} -0.060	4.8	16.6	12.2	1.5	0.7	Type C 5

^{*} Clevis pin is used instead for ø10.

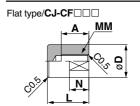
Rod End Nut



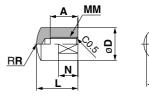
Material: Stainless steel 304

Part no.	Applicable bore size (mm)	В	С	d	н
NTJ-010SUS	10	7	8.1	M4 x 0.7	3.2
NTJ-015SUS	16	8	9.2	M5 x 0.8	4

Rod End Cap



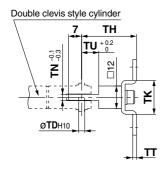


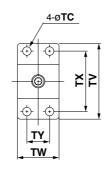


	7		Ν	faterial: P	oly	ace	etal	
art no.	Applicable	_		2424			۱۸/	

		Applicable	ADL			мм		_	w	
Flat type	Round type	(mm)	A	ט	_	IVIIVI	IN	'n	VV	
CJ-CF010	CJ-CR010	10	8	10	13	M4 x 0.7	6	10	8	
CJ-CF016	CJ-CR016	16	10	12	15	M5 x 0.8	7	12	10	

T-bracket





Material:	Stainless	steel	304

Part no.	Applicable bore size (mm)	тс	TD H10	тн	тк	TN	тт	TU	τv	TW	тх	TY
CJ-T010SUS	10	4.5	3.3 + 0.048	29	18	3.1	2	9	40	22	32	12
CJ-T016SUS	16	5.5	5 + 0.048 0	35	20	6.4	2.5	14	48	28	38	16

RE A

REC

C CUY

MQ M

RHC

MK(2)

RS G RS_A

RZQ MIS

CEP1

CE1

CE2

ML2B

C₆5-S CV

MVGQ

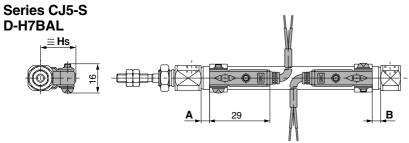
CC **RB**

D-

-X

20-

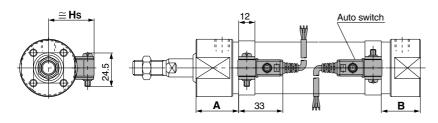
Proper Auto Switch Mounting Position (Detection at stroke end) and Its Mounting Height



Minimum Stroke for Auto Switch Mounting

Mounting bracket	Basic style, Foot style, Flange style, Clevis style					
Number of auto switches	1 (Rod cover side)	2 (Different sides)	2 (Same side)			
Switch mounting side	Port side	Port side	Port side			
Switch type						
Minimum stroke (mm)	10	15	60			

Series CG5-S D-G5BAL



Minimum Stroke for Auto Switch Mounting

9							
Mounting bracket	Basic style, Foot style, Flange style, Clevis style						
Number of auto switches	1 (Rod cover side)	2 (Different sides)	2 (Same side)				
Switch mounting	Port side	Port side	Port side				
side Switch type							
Minimum stroke (mm)	10	15	75				

Operating Range

Auto switch model	Bore size (mm)		
Auto switch model	10	16	
D-H7BAL	5	5	

 \ast Since this is a guideline including hysteresis, not meant to be guaranteed. (Assuming approximately $\pm 30\%$ dispersion) There may be the case to change substantially depending on an ambient environment.

Proper Auto Switch Mounting Position and Its Mounting Height

and no mounting margine							
Applicable	Auto switch model	D-H7BAL					
bore size (mm)		Α	В	Hs			
10		0	0	17			
16		0.5	0.5	20.5			

Operating Range

Auto switch	Bore size (mm)							
model	20	25	32	40	50	63	80	100
D-G5BAL	5	5	5.5	6	7	7.5	7.5	8

* Since this is a guideline including hysteresis, not meant to be guaranteed. (Assuming approximately ±30% dispersion) There may be the case to change substantially depending on an ambient environment.

Proper Auto Switch Mounting Position and Its Mounting Height

and its mounting neight						
Applicable Auto switch	D-G5BAL					
bore size (mm) model	Α	В	Hs			
20	31.5	24	26			
25	31.5	24	28.5			
32	32.5	25	33			
40	37	28	36.5			
50	45.5	36	42			
63	45.5	36	48.5			
80	56	46	57.5			
100	57	46	68			

RE A

REC

C□X

C□Y

MQM

RHC

MV/O

MK(2)

RS^Q_G

RS^H

RZQ MI w

CEP1

CE1

CE2

ML2B C₆5-S

CV

MVGQ

CC

RB

D-

-X

20-