



Specifications

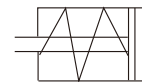
Bore size(mm)	6	10	15
Fluid	Air		
Acting type	Double acting, Spring return		
Guarantee pressure resistance	1.05MPa		
Maximum operating pressure	0.7MPa		
Minimum operating pressure	0.2MPa	0.15MPa	
Ambient and fluid temperature	-10°C to 70°C(No freezing)		
Buffer	Not required (Non-lube)		
Stroke length tolerance	+1.0 0		
Lubrication (Note)	Not required		
Pipe size	M5×0.8(Panel mounting type)		

Note: For oil supply, please use Turbine No.1 Oil ISO VG32.

Ordering code

NCJP B		10 - 15	H4	-	B
Installation form		Stroke	Hose nipple		Rod end thread
B	Panel mount type		Blank		Blank
S	Embedded type		Without hose nipple*		With thread
Bore size			H4		B
6	6mm		H6		Without thread
10	10mm				
15	15mm				
		* Embedded type without this joint			

Symbol

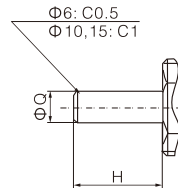
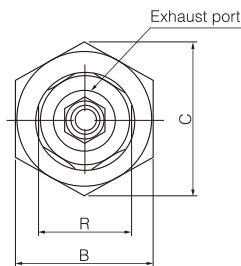


Stroke/Spring Force

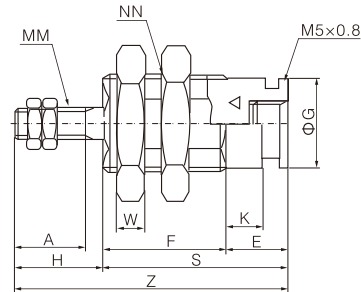
Bore size(mm)	Standard stroke	Retracted position	Extended position
6	5, 10, 15	150	400
10	5, 10, 15	250	610
15	5, 10, 15	450	1100

Dimensions

Panel mounting type NCJPB

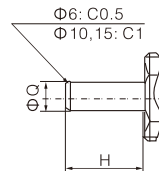
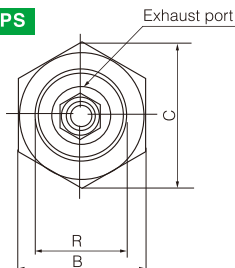


Without rod end thread

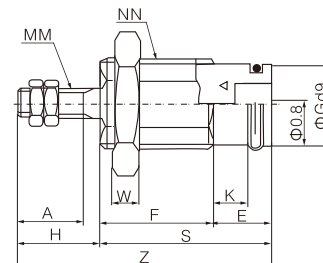


Bore size (mm)	A	B	C	E	F			ΦG	H	K	MM	NN	R	S			W	Z			Q
					5st	10st	15st							5st	10st	15st		5st	10st	15st	
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3×0.5	M10×1.0	9	18.5	22.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.5	M4×0.7	M15×1.5	13	20.5	27	34	4	32.5	39	46	5
15	12	27	31	7	16.5	22.5	29	19	14	4.2	M5×0.8	M22×1.5	20	23.5	29.5	36	5	37.5	43.5	50	6

Embedded type NCJPS



Without rod end thread



Bore size (mm)	A	B	C	E	F			ΦG	H	K	MM	NN	R	S			W	Z			Q
					5st	10st	15st							5st	10st	15st		5st	10st	15st	
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3×0.5	M10×1.0	9	18.5	22.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.5	M4×0.7	M15×1.5	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	M5×0.8	M22×1.5	20	23.5	29.5	36	5	37.5	43.5	50	6

Cylinder

SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

Cylinder

SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1



Specifications

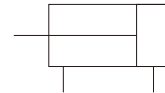
Bore size(mm)	6	10	15
Fluid	Air		
Acting type	Double acting, Single rod		
Guarantee pressure resistance	1.0MPa		
Maximum operating pressure	0.7MPa		
Minimum operating pressure	0.12MPa	0.06MPa	
Ambient and fluid temperature	Without auto switch: -10℃ to 70℃, With auto switch: -10℃ to 60℃		
Buffer	Rubber bumper		
Use piston speed (mm/s)	50~500		
Stroke length tolerance	+1.0 0		
Lubrication (Note)	Not required (Non-lube)		
Pipe size	M5×0.8		

Note: For oil supply, please use Turbine No.1 Oil ISO VG32.

Ordering code

N C D J P				B 15 - 20 D-B				- 97				S			
Built in magnetic ring				Bore size				Magnetic switch type							
Blank				6				Blank							
				6mm											
D				10				*Refer to tour/magnetic switch model list for magnetic switch model							
				10mm				*No built-in magnetic ring cylinder no such item							
				15											
				15mm											
Installation form								Number of magnetic switches							
Symbol	Standard	Mounting	Built-in magnet					Blank				2 pcs.			
B	Basic	●	●					S				1 pc.			
F	Flange	●	●												
L	Foot	●	●												
D	Clevis	●	-												
T	Trunnion	●	-												
								Rod end thread							
								Blank				With thread			
								B				Without thread			

Symbol



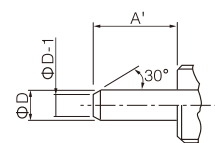
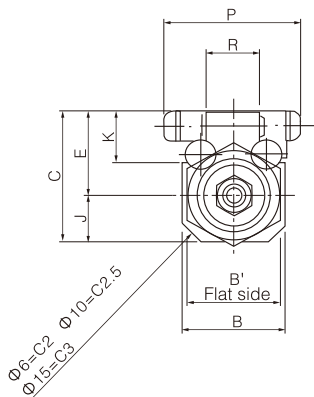
Stroke/magnetic switch model table

Bore size (mm)	Standard stroke	Magnetic switch model	Magnetic switch Installation
6	5, 10, 15, 20	97	BP-1
10	5, 10, 15, 20, 25, 30		
15	5, 10, 15, 20, 25, 30		

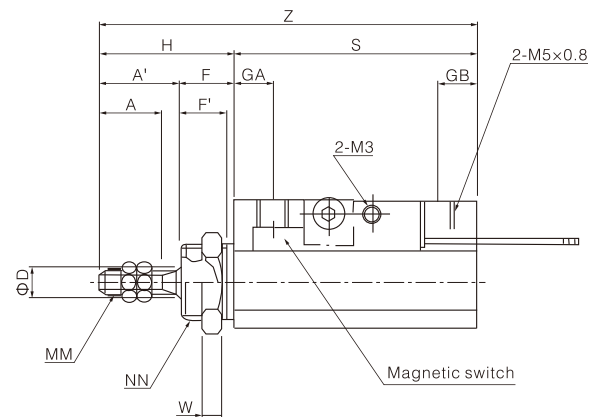
* The specifications and characteristics of magnetic switches can be referred to the series of magnetic switches.
The length of the conductor is denoted as mark: no mark-0.5m, L-3m, Z-5m, Example: 97A, 97AL.

Dimensions

NCJPB · NCDJPB



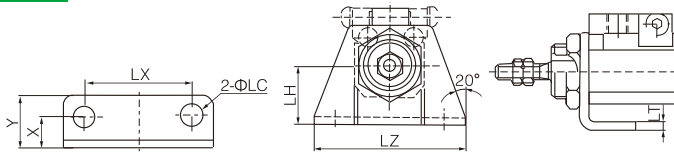
Without rod end thread



St: Cylinder stroke (mm)

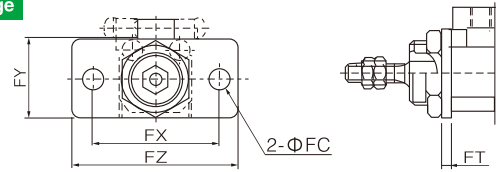
Bore size (mm)	A	A'	B	B'	ΦD	F	F'	GA	GB	H	J	K	MM	NN	R	S					W	Z							
																5st	10st	15st	20st	30st		5st	10st	15st	20st	30st	C	E	P
6	7	9	14	14	3	8	6.5	6	6	17	6	8	M3×0.5	M10×1.0	7	30.5	35.5	40.5	45.5	-	3	47.5	52.5	57.5	62.5	-	16.5	10.5	20
10	10	12	15	17	5	8	6.5	6	7	20	7	8	M4×0.7	M12×1.0	8	30.5	35.5	40.5	45.5	55.5	4	50.5	55.5	60.5	65.5	75.5	20	13	21
15	12	14	20	19	6	10	8.5	6	7	24	9	8	M5×0.8	M14×1.0	10	30.5	35.5	40.5	45.5	55.5	5	54.5	59.5	64.5	69.5	79.5	24.5	15.5	23

Foot



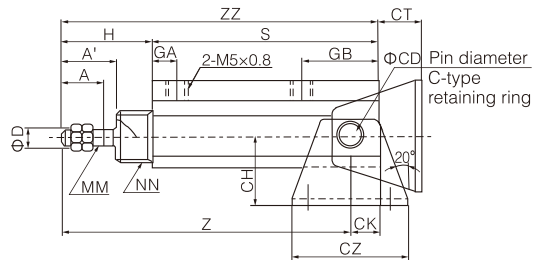
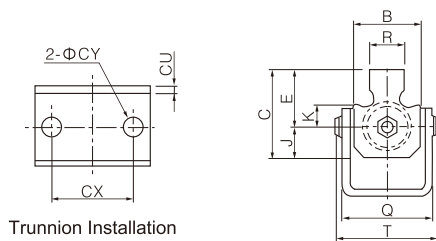
Bore size (mm)	Foot							
	Part No.	LH	LT	LZ	LX	X	Y	ΦLC
6	CP-L006	11	1.6	28	20	6.5	10.5	3.4
10	CP-L010	13	1.6	33	24	7	12	4.5
15	CP-L015	18	2.3	43	30	10	16.5	4.5

Flange



Bore size (mm)	Flange					
	Part No.	FT	FX	FY	FZ	ΦFC
6	CP-L006	1.6	24	16	32	3.4
10	CP-L010	1.6	28	18	37	4.5
15	CP-L015	2.3	36	22	49	5.5

Trunnion: NCJPT/Without magnetic switch

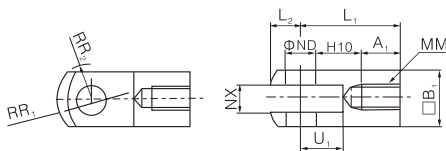


St: Cylinder stroke (mm)

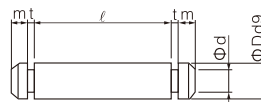
Bore size (mm)	Trunnion seat Part No.	S					Z					ZZ					R
		5st	10st	15st	20st	30st	5st	10st	15st	20st	30st	5st	10st	15st	20st	30st	
6	CP-T006	35.3	40.5	45.5	50.5	-	48.5	53.5	58.5	63.5	-	52.5	57.5	62.5	67.5	-	7
10	CP-T010	40.5	45.5	50.5	55.5	65.5	54	59	64	69	79	60.5	65.5	70.5	75.5	85.5	8
15	CP-T015	42	47	52	57	67	58	63	68	73	83	66	71	76	81	91	10

Bore size (mm)	A	A'	B	C	ΦD	E	GA	GB	H	J	K	MM	NN	Q	T	ΦCD	CH	CK	CT	CU	CX	ΦCY	CZ
6	7	9	14	16.5	3	10.5	6	11	17	6	8	M3×0.5	M10×1.0	18.5	20.4	3	16	4	12	1.6	18	3.4	26
10	10	12	15	20	5	13	6	17	20	7	8	M4×0.7	M12×1.0	20.5	23.9	5	20	6.5	13.5	1.6	24	4.5	33
15	12	14	20	24.5	6	15.5	6	18.5	24	9	8	M5×0.8	M14×1.0	28	31.7	6	25	8	17	2.9	29	5.5	42

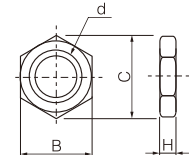
Y type double knuckle joint



Knuckle pin

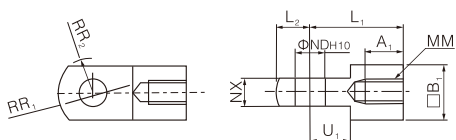


Mounting nut

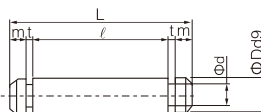


Bore size (mm)	Y type double knuckle joint												Knuckle pin						Mounting nut				
	Part No.	A1	B1	ΦND _{H10}	L1	L2	MM	U1	NX	R1	R2	Part No.	ΦDd9	L	Φd	l	m	t	Part No.	d	H	B	C
6	Y-P006	5	6	3 ^{+0.04} ₀	12	3.5	M3×0.5	5	3	5	4	IY-P006	3 ^{+0.020} _{-0.045}	9	2.85	6.2	0.75	0.65	SNP-006	M10×1	3	14	16.2
10	Y-P010	6.5	10	5 ^{+0.048} ₀	16	5.5	M4×0.7	7	5	8	6.3	IY-P010	5 ^{+0.030} _{-0.060}	13.6	4.8	10.2	1	0.7	SNP-010	M12×1	3	17	19.6
15	Y-P015	7	12	6 ^{+0.048} ₀	19	7	M5×0.8	9	6	10	7.8	IY-P015	6 ^{+0.030} _{-0.060}	15.8	5.7	12.2	1	0.8	SNP-015	M14×1	4	19	21.9

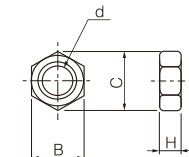
I type single knuckle joint



Trunnion pin



Mounting nut



Bore size (mm)	I type single knuckle joint												Trunnion pin						Mounting nut				
	Part No.	A1	B1	ΦND _{H10}	L1	L2	MM	U1	NX	R1	R2	Part No.	ΦDd9	L	Φd	l	m	t	Part No.	d	H	B	C
6	I-P006	5	6	3 ^{+0.04} ₀	12	3.5	M3×0.5	5	3	5	4	CT-P006	3 ^{+0.020} _{-0.045}	9	2.85	6.2	0.75	0.65	SNP-006	M3×0.5	1.8	5.5	6.4
10	I-P010	6.5	10	5 ^{+0.048} ₀	16	5.5	M4×0.7	7	5	8	6.3	CT-P010	5 ^{+0.030} _{-0.060}	13.6	4.8	10.2	1	0.7	SNP-010	M4×0.7	2.4	7	8.1
15	I-P015	7	12	6 ^{+0.048} ₀	19	7	M5×0.8	9	6	10	7.8	CT-P015	6 ^{+0.030} _{-0.060}	15.8	5.7	12.2	1	0.8	SNP-015	M5×0.8	3.2	8	9.2

Cylinder

SC

SC(Big)

SCT

SCF

SU

SUF

SI

SIF

DNC

QGB

QGBZ

NCQ2

NCQ2(Big)

NCQ2(Long)

NCQS

NCQM

NRQ

SDA

ADVU

ACE(AND)

MAL

MA

MI

NCM2

NCJ2

NCG1

NCJP

TD

TN(TDA)

NCXS

NCXSW

NMGP

NMGG

NCU

NCUJ

NCY3B

NCY3R

NCY1S

NCY1L

STM

NMXH

NMXS

NMXQ

NMHZ2

NMHC2

NMHL2

NMHY2

NMHT2

NMHW2

NMHF2

NMHS2

NMHS3

NMHS4

NMRHQ

NMSQ

NCRA1

NCRQ2

NCRB2

ACK

SRC

QCK

NCK1