



Specifications

Bore size(mm)	6	10	16
Fluid	Air		
Acting type	Double acting, Single rod		
Maximum operating pressure	1.0MPa		
Minimum operating pressure	0.12MPa	0.06MPa	
Ambient and fluid temperature	Without auto switch: -10°C to 70°C, With auto switch: -10°C to 60°C		
Piston speed (mm/s)	50~750		
Buffer	Rubber bumper, Air cushion		
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

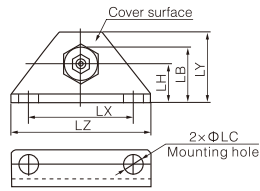
N C D J 2		B 6 - 15		A R - M9B									
Built in magnetic ring		Stroke		Magnetic switch type									
Blank	No built-in magnetic ring	Buffer		Blank	Without magnetic switch								
D	Built in magnetic ring	Blank	Rubber cushion	*Refer to tour/magnetic switch model list for magnetic switch model *No built-in magnetic ring cylinder no such item									
Installation form		A	Air cushion										
B	Basic(Double-side bossed)	Head cover port location		Number of magnetic switches									
L	Axial foot	Bore size <table><tr><td>Φ6</td><td>Φ10, Φ16</td></tr><tr><td>Symbol</td><td></td></tr><tr><td>Blank</td><td>- Perpendicular to axis</td></tr><tr><td>R</td><td>Axial Axial</td></tr></table>		Φ6	Φ10, Φ16	Symbol		Blank	- Perpendicular to axis	R	Axial Axial		
Φ6	Φ10, Φ16												
Symbol													
Blank	- Perpendicular to axis												
R	Axial Axial												
F	Rod flange												
D	Double clevis												
Bore size													
6	6mm												
10	10mm												
16	16mm												
		*Double earrings have only radial shape											

Cylinder

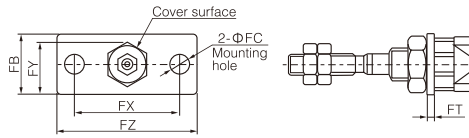
SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMH22
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

Dimensions

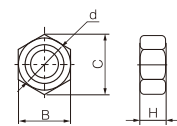
Foot type



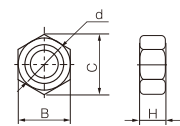
Flange type



Mounting nut



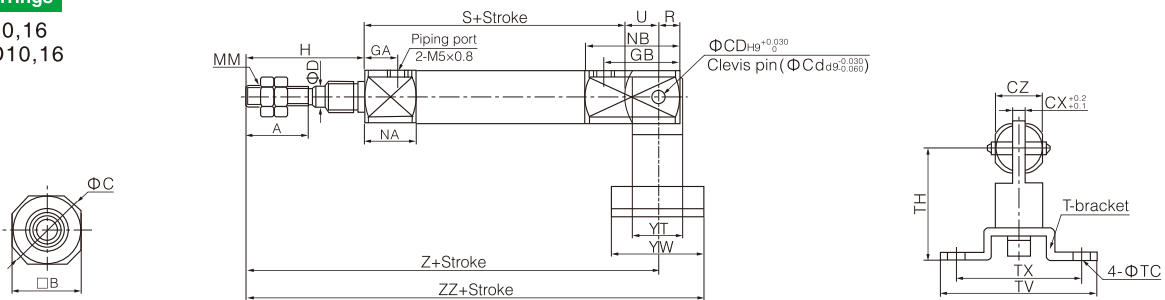
Rod end nut



Bore size (mm)	Foot type							Flange type							Mounting nut					Rod end nut				
	Part No.	LB	ΦLC	LH	LX	LY	LZ	Part No.	FB	ΦFC	FX	FY	FZ	FT	Part No.	B	C	D	H	Part No.	B	C	D	H
6	CJ-L006B	13	4.5	9	24	16.5	32	CJ-F006B	11	4.5	24	14	32	1.6	SNJ-006B	8	9.2	M6×1	4	NTJ-006A	5.5	6.4	M3×0.5	2.4
10	CJ-L010B	15	4.5	9	24	16.5	32	CJ-F010B	13	4.5	24	14	32	1.6	SNJ-010B	11	12.7	M8×1	4	NTJ-010A	7	8.1	M4×0.7	3.2
16	CJ-L016B	23	5.5	14	33	25	40	CJ-F016B	19	5.5	33	20	42	2.3	SNJ-016B	14	16.2	M10×1	4	NTJ-016A	8	9.2	M5×0.8	4

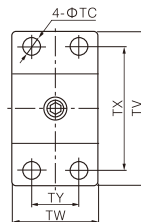
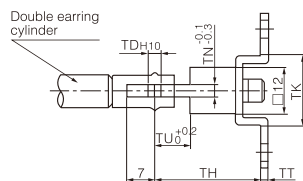
Double earrings

NCJ2D10,16
NCDJ2D10,16

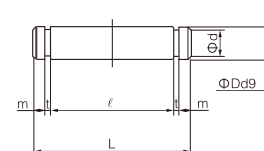


Bore size (mm)	A	B	C	CD(cd)	CX	CZ	D	GA	GB	H	MM	NA	NB	R	S	U	Z	ZZ
10	15	12	14	3.3	3.2	12	4	8	18	28	M4×0.7	12.5	22.5	5	46	8	82	93
16	15	18	20	5	6.5	18	5	8	23	28	M5×0.8	12.5	27.5	8	47	10	85	99

T-bracket

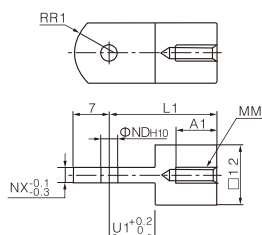


Clevis pin

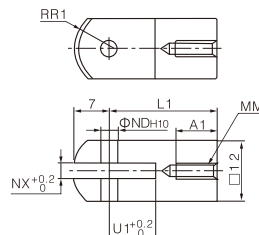


Bore size (mm)	T-bracket												Clevis pin							
	Part No.	TC	TC ^{H10}	TH	TK	TN	TT	TU	TV	TW	TX	TY	Part No.	ΦDd9	Φd	L	ℓ	m	t	
10	CJ-T010B	4.5	3.3 ^{+0.048}	29	18	3.1	2	9	40	22	32	12	CD-J010	5 ^{-0.03} _{-0.06}	3	15.2	12.2	1.2	0.3	
16	CJ-T016B	5.5	5 ^{+0.048} ₀	35	20	6.4	2.3	14	48	28	38	16	CD-Z015	3.3 ^{-0.03} _{-0.06}	4.8	22.7	18.3	1.5	0.7	

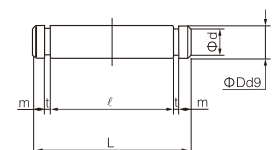
I Type single knuckle joint



Y Type double knuckle joint



Knuckle pin



Bore size (mm)	I Type single knuckle joint								Y Type double knuckle joint								Knuckle pin						
	Part No.	A1	ΦND ^{H10}	L1	MM	U1	NX	R1	Part No.	A1	ΦND ^{H10}	L1	MM	U1	NX	R1	Part No.	ΦDd9	L	Φd	ℓ	m	t
10	I-J010B	8	3.3 ^{+0.048 0}	21	M4×0.7	9	3.1	8	Y-J010B	8	3.3 ^{+0.048 0}	21	M4×0.7	10	3.2	8	CD-J010	3.3 ^{-0.03 -0.06}	3	15.2	12.2	1.2	0.3
16	I-J016B	8	5 ^{+0.048 0}	25	M5×0.8	14	6.4	12	Y-J016B	11	5 ^{+0.048 0}	21	M5×0.8	10	6.5	12	IY-J015	5 ^{-0.03 -0.06}	16.6	4.8	12.2	1.5	0.7



Specifications

Bore size(mm)	6	10	16
Fluid	Air		
Acting type	Single action: spring return/spring extend		
Maximum operating pressure	0.7MPa		
Minimum operating pressure	0.25MPa	0.15MPa	
Ambient and fluid temperature	Without auto switch: -10°C to 70°C, With auto switch: -10°C to 60°C		
Piston speed (mm/s)	50~750		
Buffer	Rubber bumper		
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 2 B 16 - 45 S R - M9B

Built in magnetic ring	
Blank	No built-in magnetic ring
D	Built in magnetic ring

Installation form	
B	Basic(Double-side bossed)
F	Rod flange
L	Axial foot
D	Double clevis (Except Φ6)

Bore size	
6	6mm
10	10mm
16	16mm

Stroke

Action mode	
S	Spring return
T	Spring extend

Head cover port location

Bore size	Φ6	Φ10, Φ16
Symbol		
Blank	-	Perpendicular to axis
R	Axial	Axial

*Double earrings have only radial shape

Magnetic switch type

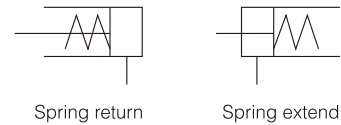
Blank	Without magnetic switch
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*Refer to tour/magnetic switch model list for magnetic switch model
*No built-in magnetic ring cylinder no such item

Number of magnetic switches

Blank	2 pcs.
S	1 pc.
n	"n" pcs.

Symbol



Stroke/magnetic switch model table

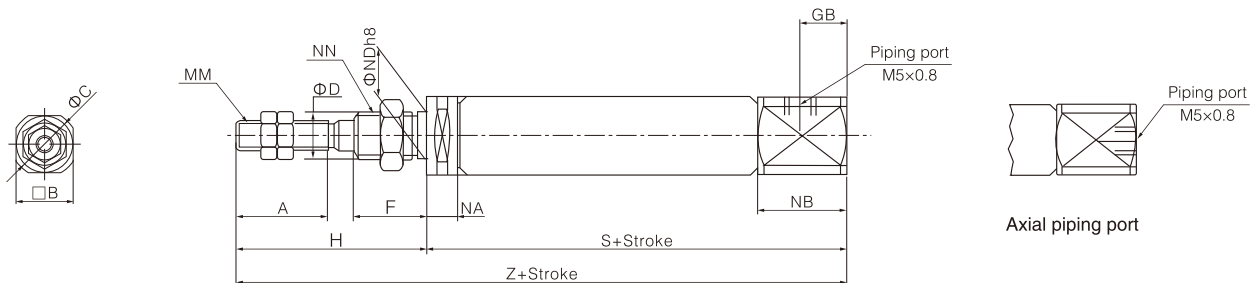
Bore size (mm)	Standard stroke	Magnetic switch type	Installation parts type	Ring belt type
6	15,30,45,60	M9B M9P M9N	BJ3-1	BJ2-006
10	15,30,45,60,75,100,125,150			BJ2-010
16	15,30,45,60,75,100,125,150,175,200			BJ2-016

- The specifications and characteristics of magnetic switches can be referred to the series of magnetic switches.
- The length of conductor is denoted as mark : No mark -0.5m, L-3m. Example: M9N, M9NL.
- No installation is required for track installation.
- Installation type and ring type must be combined for ordering.

Dimensions

Basic type: Spring return

NCJ2B · NCDJ2B



Bore size (mm)	A	B	C	D	F	GB	H	MM	NA	NB	NDh8	NN	*S								*Z							
													5-15	16-30	31-45	46-60	61-75	76-100	101-125	126-150	5-15	16-30	31-45	46-60	61-75	76-100	101-125	126-150
6	15	8	19	3	8	-	28	M3×0.5	3	7	6 _{-0.018}	M6×1	34.5 (39.5)	43.5 (48.5)	47.5 (52.5)	61.5 (66.5)	-	-	-	-	62.5 (67.5)	71.5 (76.5)	75.5 (80.5)	89.5 (94.5)	-	-	-	-
10	15	12	14	4	8	5	28	M4×0.7	5.5	9.5	8 _{-0.022}	M8×1	45.5	53	65	77	-	-	-	-	73.5	81	93	105	-	-	-	-
16	15	18.3	20	5	8	5	28	M5×0.8	5.5	9.5	10 _{-0.022}	M10×1	45.5	54	66	78	84	108	126	138	73.5	82	94	106	112	136	154	166

Note: () Size of built-in magnetic ring.

Cylinder

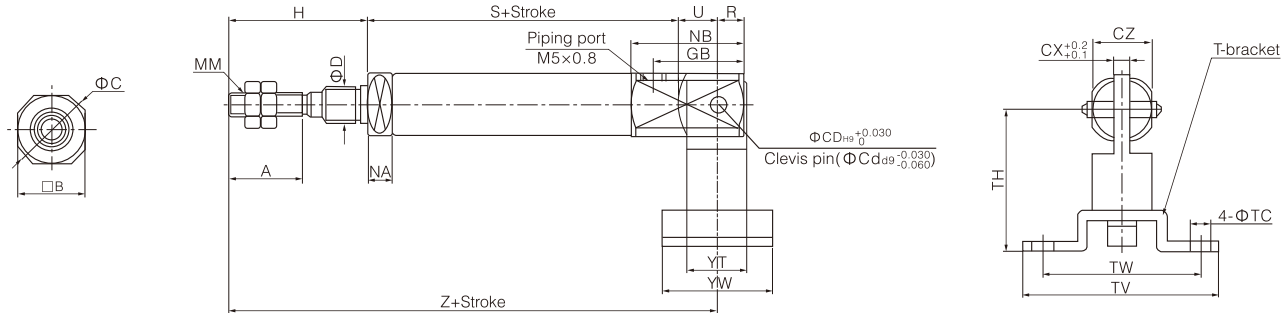
SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2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

Double earrings: Spring return

NCJ2D · NCDJ2D

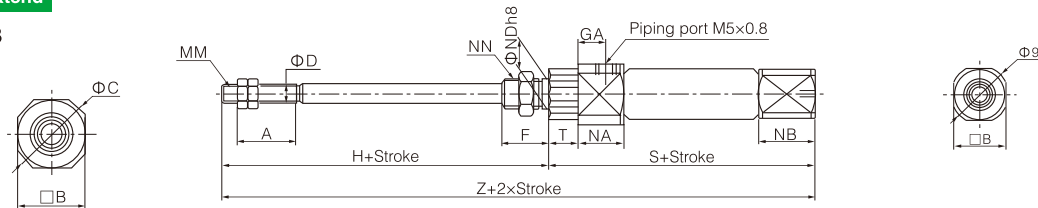


Bore size (mm)	A	B	C	CD (Cd)	CX	CZ	D	GB	H	MM	NA	NB	R	U	*S								*Z							
															5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150	5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150
10	15	12	14	3.3	3.2	12	4	18	20	M4×0.7	5.5	22.5	5	8	45.5	53	65	77	-	-	-	-	73.5	81	93	105	-	-	-	-
16	15	18.3	20	5	6.5	18.3	5	23	20	M5×0.8	5.5	27.5	8	10	45.5	54	66	78	84	108	126	138	75.5	84	96	108	114	138	156	168

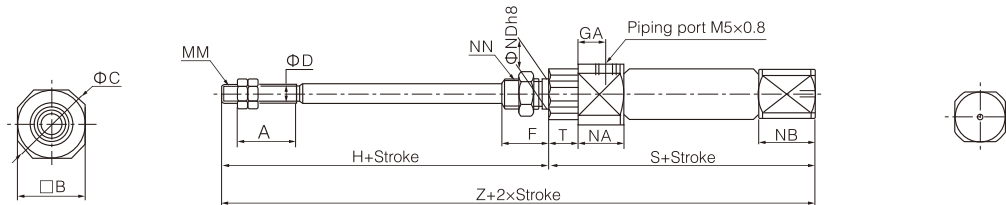
Basic type: Spring extend

NCJ2B · NCDJ2B

NCJ2B6



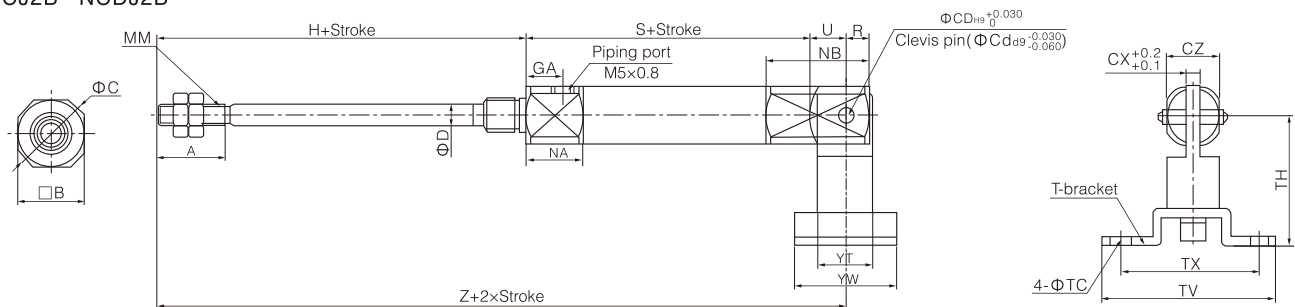
NCJ2B10, 16



Bore size (mm)	A	B	C	D	F	GA	H	MM	NN	NA	NB	NDh8	T	*S								*Z							
														5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150	5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150
6	15	8	14	3	8	14.5	28	M3×0.5	M6×1	16	3	6 ⁰ _{-0.018}	3	46.5 (51.5)	55.5 (60.5)	59.5 (64.5)	73.5 (78.5)	-	-	-	-	74.5 (79.5)	83.5 (88.5)	87.5 (92.5)	101.5 (106.5)	-	-	-	-
10	15	12	14	4	8	8	28	M4×0.7	M8×1	12.5	5.5	8 ⁰ _{-0.022}	-	48.5	56	68	80	-	-	-	-	76.5	84	96	108	-	-	-	-
16	15	18.3	20	5	8	8	28	M5×0.8	M10×1	12.5	5.5	10 ⁰ _{-0.022}	-	48.5	57	69	81	87	111	129	141	76.5	85	97	109	115	139	157	169

Double earrings: Spring extend

NCJ2B · NCDJ2B



Bore size (mm)	A	B	C	CD (Cd)	CX	CZ	D	GA	H	MM	NA	NB	R	U	S								Z							
															5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150	5~15	16~30	31~45	46~60	61~75	76~100	101~125	126~150
10	15	12	14	3.3	3.2	12	4	8	28	M4×0.7	12.5	18.5	5	8	48.5	56	68	80	-	-	-	-	84.5	92	104	116	-	-	-	-
16	15	18.3	20	5	6.5	18.3	5	8	28	M5×0.8	12.5	23.5	8	10	48.5	57	69	81	87	111	129	141	86.5	95	107	119	125	149	167	179