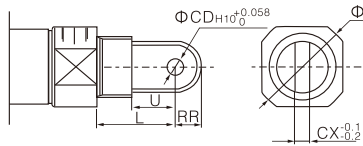


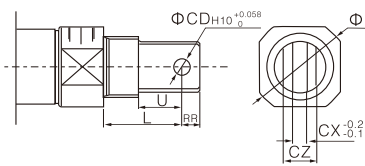
Cylinder

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
NCRA2
NCRB2
ACK
SRC
QCK
NCK1

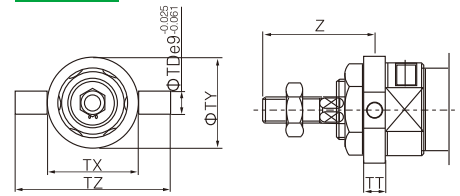
Single earrings



Double earrings



Trunnion

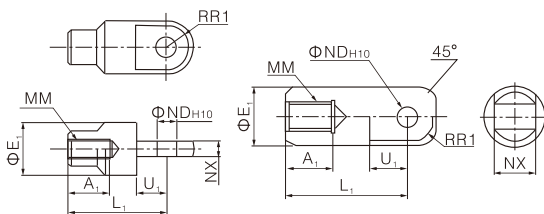


Bore size (mm)	Single earrings							Double earrings							Trunnion							
	Part No.	L	U	RR	Φ I	Φ CD	CX	Part No.	L	U	RR	Φ CD	CX	CZ	Φ I	Part No.	TX	TZ	TD	TY	Z	TT
20	CM-C020B	30	14	9	28	9	10	CM-D020B	30	14	9	9	10	19	28	CM-T020B	32	52	8	32	36	10
25	CM-C025B	30	14	9	33.5	9	10	CM-D025B	30	14	9	9	10	19	33.5	CM-T025B	40	60	9	40	40	10
32	CM-C032B	30	14	9	37.5	9	10	CM-D032B	30	14	9	9	10	19	37.5	CM-T032B	40	60	9	40	40	10
40	CM-C040B	39	18	11	46.5	10	15	CM-D040B	39	18	11	10	15	30	46.5	CM-T040B	53	77	10	53	44.5	11

I Type single elbow joint

I-020B, 032B

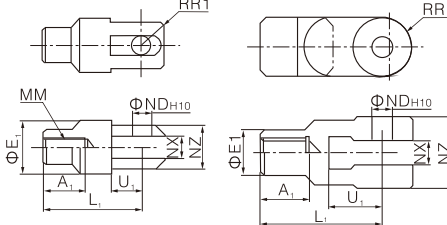
I-040B



Y Type double elbow joint

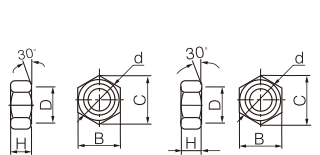
Y-020B, 032B

Y-040B



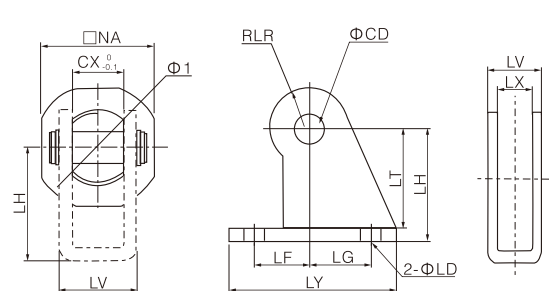
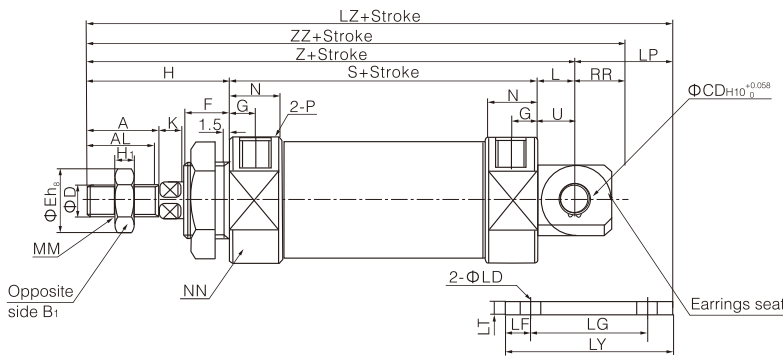
Rod end nut

Mounting nut



Bore size (mm)	I Type single elbow joint										Y Type double elbow joint										Rod end nut					Mounting nut				
	Part No.	A1	E1	L1	MM	ΦND _{H10}	NX	R1	U1	Part No.	A1	E1	L1	MM	ΦND	NX	NZ	R1	U1	Part No.	B	C	d	H	Part No.	B	C	D	H	D
20	I-020B	16	20	36	M8x1.25	9 ^{+0.058 0}	9 ^{-0.1 0.2}	10	14	Y-020B	16	20	36	M8x1.25	9	9 ^{-0.1 0.2}	18	12	14	NT-02	13	15	M8x1.25	5	SN-020B	26	30	M20x1.5	8	25.5
25-30	I-032B	18	20	38	M10x1.25	9 ^{+0.058 0}	9 ^{-0.1 0.2}	10	14	Y-032B	18	20	38	M10x1.25	9	9 ^{-0.1 0.2}	18	12	14	NT-03	17	19.6	M10x1.25	6	SN-032B	32	37	M26x1.5	8	31.5
40	I-040B	22	24	55	M14x1.5	12 ^{+0.070 0}	16 ^{-0.1 0.3}	15.5	20	Y-040B	22	24	55	M14x1.25	12	16 ^{-0.1 0.3}	38	13	25	NT-04	22	25.4	M14x1.5	8	SN-040B	41	47.3	M32x2.0	10	40.5

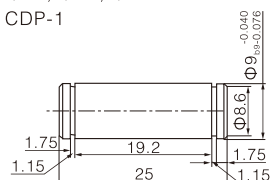
Basic type



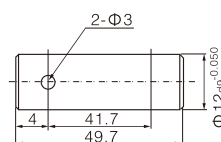
Bore size(mm)	Stroke range	A	AL	B1	CD	CX	D	E	F	G	H	H1	I	K	L	MM	N	NA	NN	P	RR	S	U	Z	ZZ
20	~300	18	15.5	13	8	12	8	20 ^{0/-0.033}	13	8	41	5	28	5	12	M8 × 1.25	15	24	M20 × 1.5	1/8"	9	62	11.5	115	124
25	~300	22	19.5	17	8	12	10	26 ^{0/-0.033}	13	8	45	6	33.5	5.5	12	M10 × 1.25	15	30	M26 × 1.5	1/8"	9	62	11.5	119	128
32	~300	22	19.5	17	10	20	12	26 ^{0/-0.033}	13	8	45	6	37.5	5.5	15	M10 × 1.25	15	34.5	M26 × 1.5	1/8"	12	64	14.5	124	136
40	~300	24	21	22	10	20	14	32 ^{0/-0.039}	16	11	50	8	46.5	7	15	M14 × 1.5	21.5	42.5	M32 × 2	1/4"	12	88	14.5	153	165

Pin for elbow joint

Applicable bore size
Φ20, Φ25, Φ32
CDP-1



Applicable bore size
Φ40
CDP-3



Earrings seat

Bore size(mm)	Part No.	LD	LF	LG	LH	LP	LT	LV	LY	LZ
20	CM-E020B	6.8	15	30	30	37	3.2	18.4	59	152
25		6.8	15	30	30	37	3.2	18.4	59	156
32	CM-E032B	9	15	40	40	50	4	28	75	174
40		9	15	40	40	50	4	28	75	203



Specifications

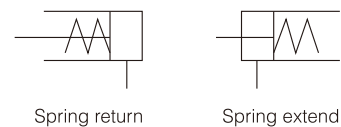
Bore size(mm)	20	25	32	40
Fluid	Air			
Acting type	Single action			
Maximum operating pressure	1.0MPa			
Minimum operating pressure	0.18MPa(Spring return)0.23MPa(Spring extend)			
Ambient and fluid temperature	Without auto switch: -10°C to 70°C, With auto switch: -10°C to 60°C			
Piston speed (mm/s)	50~750			
Buffer	Rubber bumper, Air cushion			
Stroke length tolerance	$+1.4$ 0			
Lubrication (Note)	Not required (Non-lube)			
Pipe size	1/8"			1/4"

Note: 1. For oil supply, please use Turbine No.1 Oil ISO VG32.
2. PT thread, G thread and NPT thread are available.

Ordering code

N C D M 2		B 32	F - 150	T	- M9B
Built in magnetic ring		Bore size	Stroke	Magnetic switch type	
Blank	No built-in magnetic ring	20	20mm	Blank	Without magnetic switch
D	Built in magnetic ring	25	25mm	*Refer to tour/magnetic switch model list for magnetic switch model	
		32	32mm	*No built-in magnetic ring cylinder no such item	
		40	40mm		
Installation form		Piping mode		Number of magnetic switches	
B	Basic(Double-side bossed)	Blank	Thread piping	Blank	2 pcs.
L	Axial foot	F	Built-in quick-change connector	S	1 pc.
F	Rod flange			3	3 pcs.
G	Head flange			n	"n" pcs.
C	Single clevis				
D	Double clevis				
U	Rod trunnion				
T	Head trunnion				
E	Integrated clevis				
BZ	Boss-cut/Basic				
FZ	Boss-cut/Rod flange				
UZ	Boss-cut/Rod trunnion				
		Action mode			
		S	Spring return		
		T	Spring extend		

Symbol



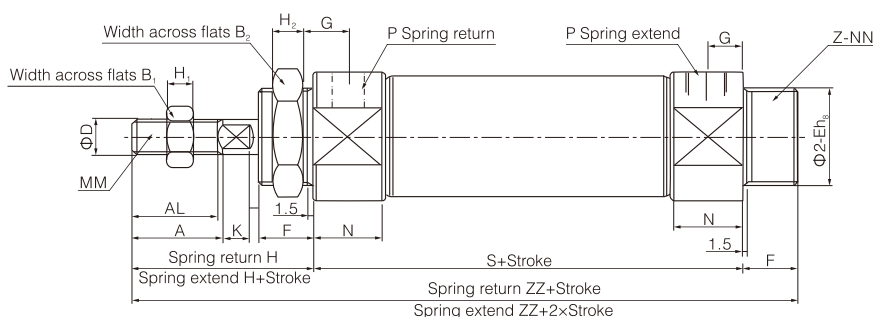
Stroke/magnetic switch model table

Bore size (mm)	Standard stroke (mm)	Magnetic switch type Note 1	Installation parts type Note 2	Ring belt type
20	25,50,75,100,125,150	M9B M9P M9N	BJ3-1	BM2-020
25	25,50,75,100,125,150,200			BM2-025
32	25,50,75,100,125,150,200			BM2-032
40	25,50,75,100,125,150,200,250			BM2-040

Note: 1. The specifications and characteristics of magnetic switches can be referred to the series of magnetic switches.
Wire Length Representation Mark: Unmarked-0.5m, L-3m, Z-5m
example: M9N, M9NL.
2. Installation type and ring type must be combined for ordering.

Dimensions

Basic type



* This figure is a single-acting spring return.

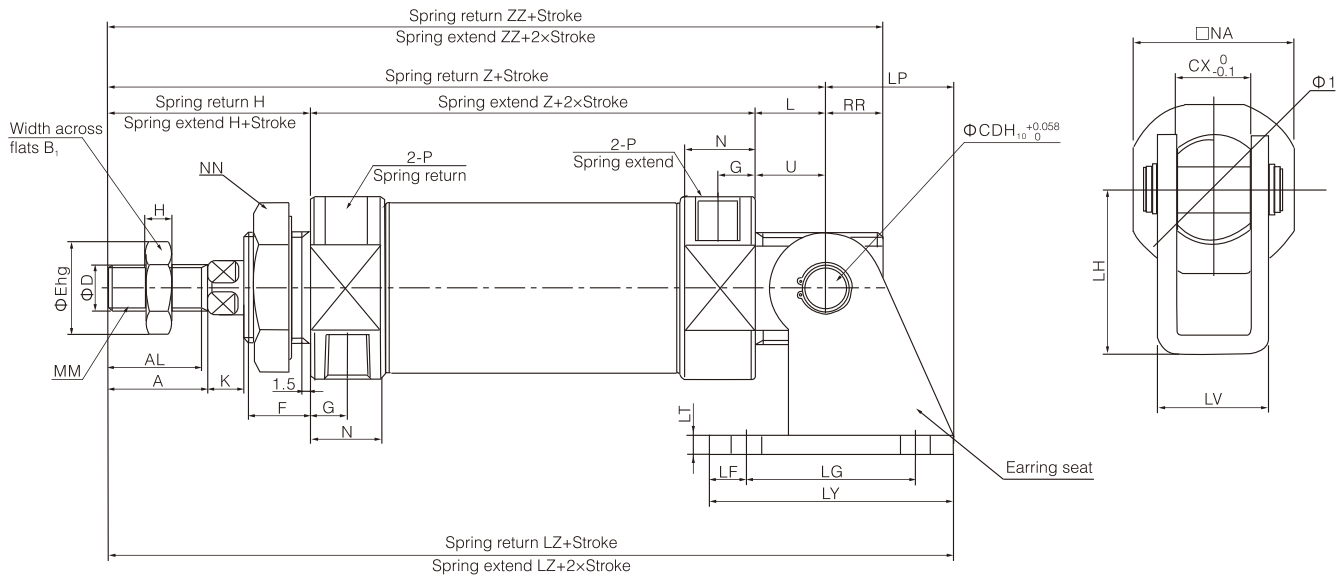
Bore size(mm)	A	AL	B1	B2	D	E	F	G	H	H1	H2	I	K	MM	N	NA	NN	P
20	18	15.5	13	26	8	20 _{-0.033}	13	8	41	5	8	28	5	M8×1.25	15	24	M20×1.5	1/8"
25	22	19.5	17	32	10	26 _{-0.033}	13	8	45	6	8	33.5	5.5	M10×1.25	15	30	M26×1.5	1/8"
32	22	19.5	17	32	12	26 _{-0.033}	13	8	45	6	8	37.5	5.5	M10×1.25	15	34.5	M26×1.5	1/8"
40	24	21	22	41	14	32 _{-0.039}	16	11	50	8	10	46.5	7	M14×1.5	21.5	42.5	M32×2	1/4"

Bore size	Stroke		1~50		51~100		101~150		151~200		201~250	
	Symbol		S	ZZ	S	ZZ	S	ZZ	S	ZZ	S	ZZ
20			87	141	112	166	137	191	-	-	-	-
25			87	145	112	170	137	195	-	-	-	-
32			89	147	114	172	139	197	164	222	-	-
40			113	179	138	204	163	229	188	254	213	279

Cylinder

Single earring one body type

NCM2E · NCDM2E



*This figure is a single-acting spring return.

Bore size(mm)	A	AL	B1	CD	CX	D	E	F	G	H	H1	I	K	L	MM	N	NA	NN	P	PR	U
20	18	15.5	13	8	12	8	20 _{-0.033} ⁰	13	8	41	5	28	5	12	M8×1.25	15	24	M20×1.5	1/8"	9	11.5
25	22	19.5	17	8	12	10	26 _{-0.033} ⁰	13	8	45	6	33.5	5.5	12	M10×1.25	15	30	M26×1.5	1/8"	9	11.5
32	22	19.5	17	10	20	12	26 _{-0.033} ⁰	13	8	45	6	37.5	5.5	15	M10×1.25	15	34.5	M26×1.5	1/8"	12	14.5
40	24	21	22	10	20	14	32 _{-0.039} ⁰	16	11	50	8	46.5	7	15	M14×1.5	21.5	42.5	M32×2	1/4"	12	14.5

Stroke	Symbol	1~50			51~100			101~150			151~200			201~250		
		S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ	S	Z	ZZ
20		87	140	149	112	165	174	137	190	199	-	-	-	-	-	-
25		87	144	153	112	169	178	137	194	203	-	-	-	-	-	-
32		89	149	161	114	174	186	139	199	211	164	224	236	-	-	-
40		113	178	190	138	203	215	163	228	240	188	253	265	213	278	290

Part No.	Bore size(mm)	LD	LF	LG	LH	LP	LT	LV	LY	1~50	51~100	101~150	151~200	201~250
										LZ	LZ	LZ	LZ	LZ
CM-E020B	20	6.8	15	30	30	37	3.2	18.4	59	177	202	227	-	-
	25	6.8	15	30	30	37	3.2	18.4	59	181	206	231	-	-
CM-E032B	32	9	15	40	40	50	4	28	75	199	224	249	274	-
	40	9	15	40	40	50	4	28	75	228	253	278	303	328