

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



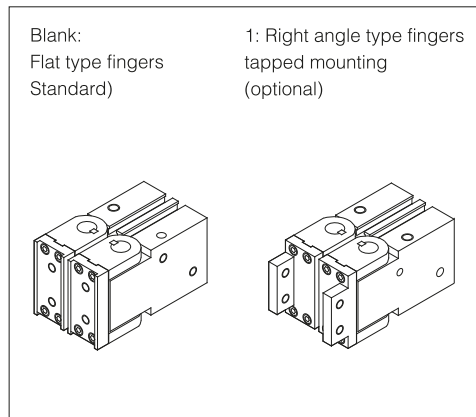
1. Built in magnetic ring type, magnetic switch can be installed.
2. 180° open and close type, simplifying pick-up and release action.
3. Unique bearing seal ring design, so that the piston rod does not need to be sealed:
 - Shortened length
 - Increased clamping force
 - Prevent dust and cutting oil from entering
4. High precision and long service life, due to the following design:
 - Rack and pinion drive mode
 - Ball bearing on gear
 - Wedge is installed between finger and gear
5. Easy to install.
6. Two types of finger mounting are available.

Ordering code

NMHW 2 - 20 D 1	Y59AL
Number of fingers	Acting type
2 2 fingers	D Double acting
Bore size	Finger option
32 32mm	Blank Flat type fingers (Standard)
40 40mm	1 Right angle type fingers tapped mounting
50 50mm	
63 63mm	

Number of magnetic switches	Magnetic switch model
Blank 2 pcs.	Blank Without magnetic switch (Built-in magnet)
S 1 pc.	
	* Refer to the right table for the model of magnetic switch.

Finger option



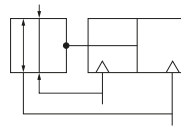
Specifications

Bore size(mm)	20	25	32	40	50
Fluid	Air (to be filtered by 40μm filter element)				
Action mode	Double action				
Maximum operating pressure	0.7MPa				
Minimum operating pressure	0.15MPa				
Ambient and fluid temperature	-10~60℃(with no condensation)				
Max.operating frequency(c.p.m)	60c.p.m		30c.p.m		
Repeatability (mm)	±0.2mm				
Clamping torque (N·m) Note 1)	0.30	0.73	1.61	3.70	8.27
Lubrication Note 2)	Not required				
Port size	M5×0.8		Rc1/8		Rc1/4

Note: 1. At a pressure of 0.5MPa.

2. If lubrication is required, please use turbine No.1 oil ISO VG32.

Symbol

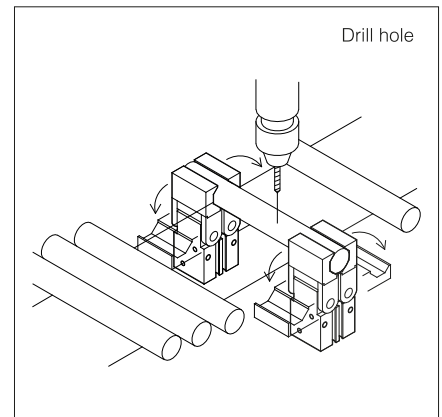
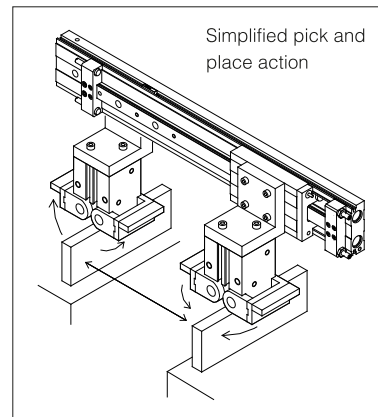


Opening and closing angle/Model table of magnetic switch

Bore size (mm)	Opening and closing angle (Both sides)		*Model of magnetic switch (direct installation)
	Opening	Closing	
20	180°	-5°	M9B M9P M9N
25		-6°	
32		-5°	
40		-5°	
50		-4°	

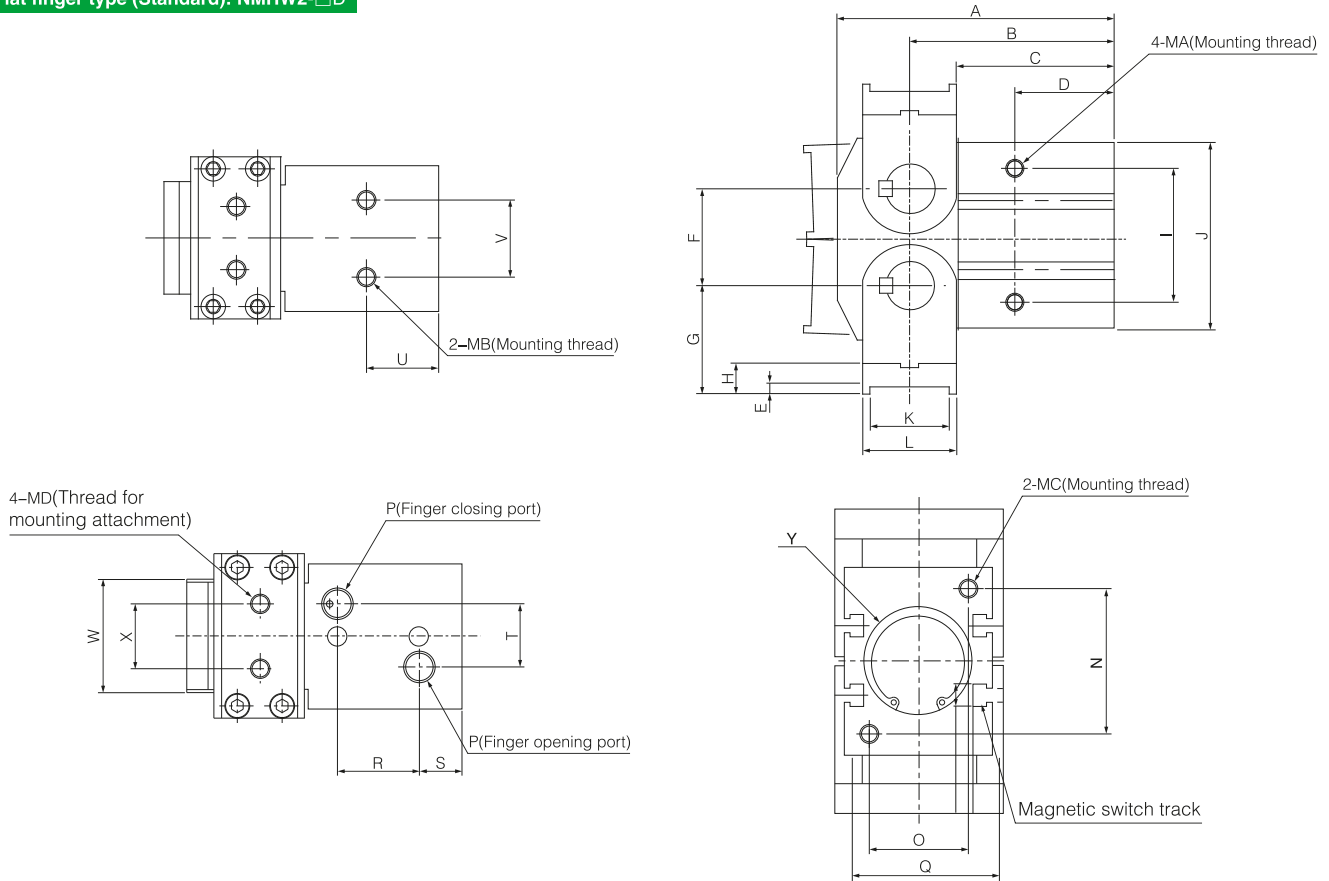
* Refer to magnetic switch series for magnetic switch specifications and characteristics.
After the model of magnetic switch, the length indication mark of conductor is attached: no mark -0.5m, L-3m, Z-5m
Example: M9N, M9NL.

Functional example



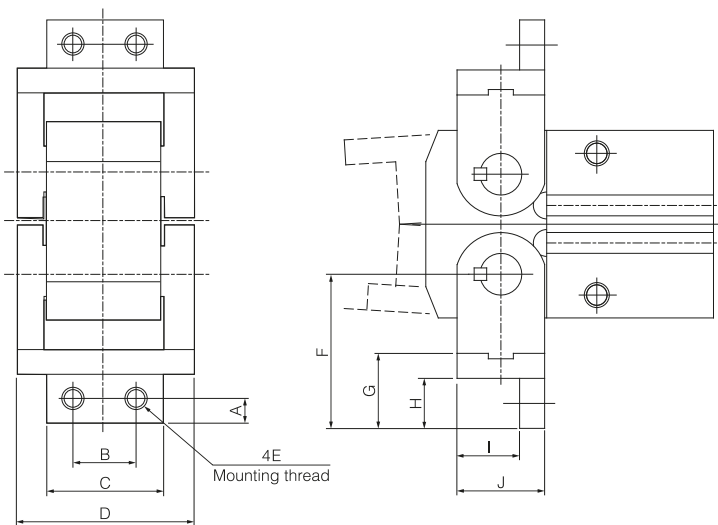
Dimensions

Flat finger type (Standard): NMHW2-□D



Bore size (mm)	A	B	C	D	E	F	G	H	I	J	K	L	MA	MB	MC	MD	P	N	O	Q	V	U	Y	X	W	R	S	T
20	60	45	35	23	2	18	23	7	27	36	12	16	M5×0.8			M4×0.7	M5×0.8	26	26	36	20	17	Φ21 depth 3	18	41	20	9	12
25	69	51	40	27	2	24	27	8	34	45	17	21	M6×1			M5×0.8	M5×0.8	30	30	40	24	20	Φ26 depth 3	20	45	23	10	16
32	83.5	61.5	47	29	2	30	32	9	42	58	23	27	M6×1			M6×1	1/8"	45	30	45	24	21	Φ34 depth 4	20	51	25	13	20
40	104.5	75.5	56.5	37.5	3	40	42	12	54	80	30	36	M8×1.25			M8×1.25	1/8"	60	36	56	30	27.5	Φ42 depth 4	28	67	33.5	14	20
50	136	96	69	48	4	56	58	17	70	112	44	52	M10×1.5			M10×1.5	1/4"	80	40	66	40	36	Φ52 depth 5	38	85	44	16	30

Opening and closing direction screw hole installation type finger: NMHW2-□D1



Bore size (mm)	A	B	C	D	E	F	G	H	I	J
20	5	14	28	41	M4×0.7	31	15	10	11	16
25	6	16	30	45	M5×0.8	37	18	12	15	21
32	7	18	34	51	M6×1	44	21	14	20	27
40	10	24	44	67	M8×1.25	60	30	21	26	36
50	12	30	58	85	M10×1.5	78	37	24	39	52

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