

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. Compared with NMHZ2 series, the height is reduced by about 1/3, which not only save space, but also reduces the action time, and also reduces the down bending, so the accuracy is improved.
2. There are three types of opening and closing process for each cylinder bore size: long, medium and short.

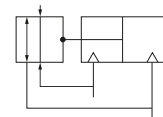
Specifications

Bore size(mm)	8	12	16	20
Fluid	Air (to be filtered by 40µm filter element)			
Operating pressure	0.15~0.7	0.1~0.7		
Ambient and fluid temperature	-10℃~+60℃(with no condensation)			
Repeatability(mm)	±0.05 Note 1			
Max.operating frequency(c.p.m)	Short stroke:Medium stroke:120; Long stroke: 60			
Action mode	Double acting			
Effective clamping force of each finger (N) Note 2	19	48	90	141
Opening and closing stroke (both sides) (mm)	8,16,32	12,24,48	16,32,64	20,40,80

Note: 1. When there is no bias load. If there is partial load on fingers, the maximum value is ± 0.15m due to the influence of backlash.

2. When the pressure is 0.5MPa and the distance between clamping points is 20mm.

Symbol



Magnetic switch model

M9N(V),M9B(V),M9P(V),F9NW(V)

* Behind the magnetic switch model, Wire length representation mark: no mark: -0.5m, L-3m, Z-5m. Example: M9NL

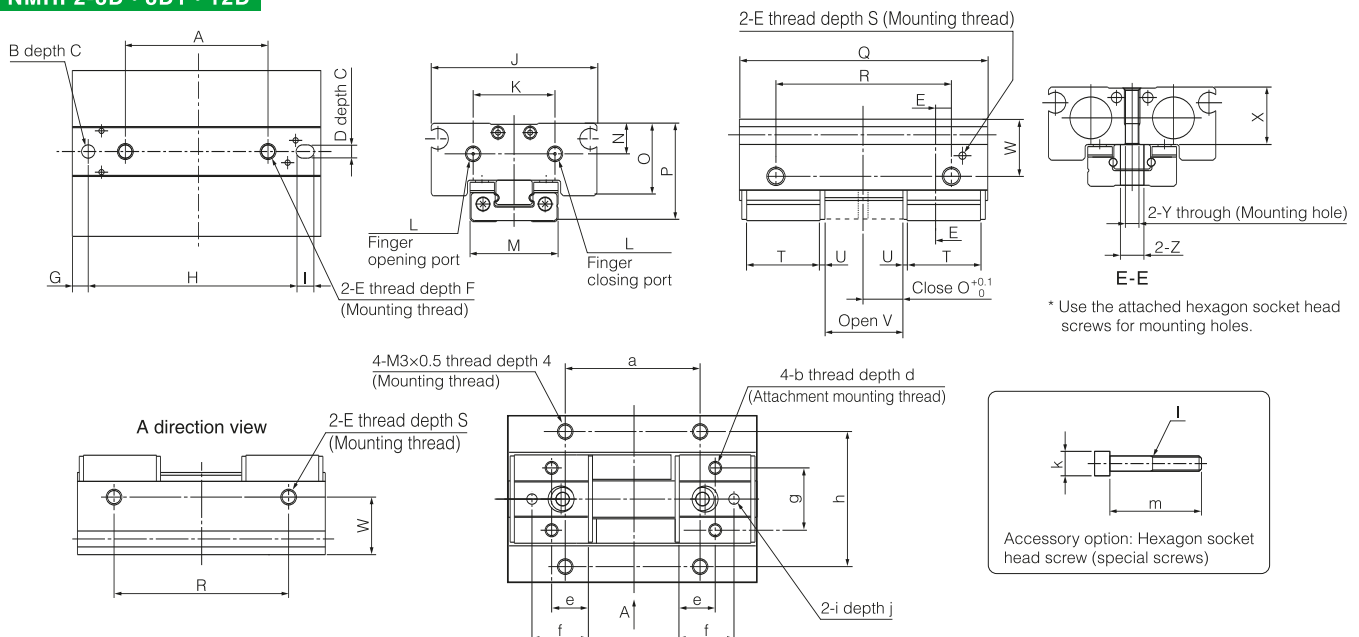
Ordering code

Number of fingers		Acting type		Body option		Number of magnetic switches	
2	2 fingers	D	Double acting	Blank	Axial piping type	Blank	2 pcs.
				2	Side piping type	S	1 pc.
Bore size		Stroke		Magnetic switch model			
8	8mm	Blank	Short stroke	Blank	Without magnetic switch (Built-in magnet)		
12	12mm	1	Medium stroke				
16	16mm	2	Long stroke				
20	20mm						

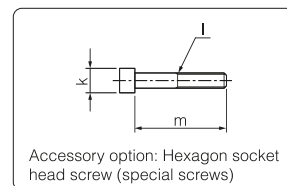
* Refer to the right table for the model of magnetic switch.

Dimensions

NMHF2-8D • 8D1 • 12D



* Use the attached hexagon socket head screws for mounting holes.



Accessory option: Hexagon socket head screw (special screws)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
NMHF2-8D	16	Φ25H9 ^{+0.025} ₀	2.5	Φ25H9 ^{+0.025} ₀	M3×0.5	7	3	28.3	3.4	32	15.8	M3×0.5	17 ⁰ _{-0.01}	5.9	14	19	36	22	4	12
NMHF2-8D1	28	Φ25H9 ^{+0.025} ₀	2.5	Φ25H9 ^{+0.025} ₀	M3×0.5	7	3	40.3	3.4	32	15.8	M3×0.5	17 ⁰ _{-0.01}	5.9	14	19	48	34	4	14
NMHF2-12D	26	Φ3H9 ^{+0.030} ₀	3	Φ3H9 ^{+0.025} ₀	M4×0.7	10	4	42	4	40	20	M5×0.8	20 ⁰ _{-0.01}	7.7	19	25	52	38	5	18

Model	U	V	W	X	Y	Z	a	b	d	e	f	g	h	i	j	k	l	m
NMHF2-8D	0.8	8±1	11	11	Φ2.6	Φ4.5	14	M2.5×0.45	3	6	10	12	26	Φ2H9 ^{+0.025} ₀	2	Φ4	M2.5×0.45	15
NMHF2-8D1	0.8	16±1	11	11	Φ2.6	Φ4.5	26	M2.5×0.45	3	7	11	12	26	Φ2H9 ^{+0.025} ₀	2	Φ4	M2.5×0.45	15
NMHF2-12D	1	12±1	15	14.8	Φ3.4	Φ5.5	28	M3×0.5	4	9	14	15	33	Φ2.5H9 ^{+0.025} ₀	2.5	Φ5	M3×0.5	20

NCK1