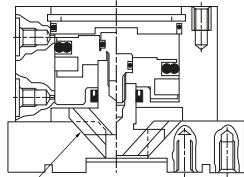


Cylinder

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



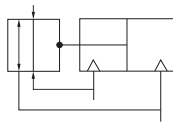
Wedge cam structure can increase clamping force

Specifications

Model		NMHS□3 -16	NMHS□3 -20	NMHS□3 -25	NMHS□3 -32	NMHS□3 -40	NMHS□3 -50	NMHS□3 -63	NMHS□3 -80	NMHS□3 -100	NMHS□3 -125
Bore size(mm)		16	20	25	32	40	50	63	80	100	125
Fluid		Air (to be filtered by 40μm filter element)									
Operating pressure		0.2~0.6MPa				0.1~0.6MPa					
Ambient and fluid temperature		-10~+60℃									
Repeatability (mm)		±0.01									
Max.operating frequency(c.p.m)		120 c.p.m			60 c.p.m				30 c.p.m		
Lubrication		Not required									
Action		Double action									
Effective gripping force (N)at 0.3MPa Note)	External grip	14	14	42	74	118	187	335	500	750	1270
	Internal grip	16	28	47	82	130	204	359	525	780	1320
	With dust cover	9	21	36	62	97	155	280	400	-	-
With cover: standard finger stroke (mm)		4	4	6	8	8	12	16	20	24	32
Long stroke finger stroke (mm)		10	10	12	16	20	28	32	40	48	64
Pipe size		M3×0.5	M5×0.8						1/8"	1/4"	3/8"
Magnetic switch model		Built in magnetic ring type									

Note: Values for Φ16 to Φ25 are with gripping point L=20mm, for Φ32 to Φ63 with gripping point L=30mm, and for Φ80 to Φ125 with gripping point L=50mm.

Symbol



Ordering code

With dust cover type **NMHS J 3 - 32**
Standard type/long stroke type **NMHS L 3 - 32**

Varieties

Blank	Standard type
L	Long stroke type
J	With dust cover type

Number of fingers

3	3 fingers
---	-----------

Bore size

16	16mm
20	20mm
25	25mm
32	32mm
40	40mm
50	50mm
63	63mm
80	80mm
100	100mm
125	125mm

Acting type

D	Double acting
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Dust cover type

Blank	Chloroprene rubber (CR)
F	Fluororubber (FKM)
S	Silicone rubber (Si)

Magnetic switch model

Blank	Without magnetic switch (Built-in magnet)
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* Behind the magnetic switch model, Wire length representation mark: no mark: -0.5m, L-3m, Z-5m. Example: Y59BL

Number of magnetic switches

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

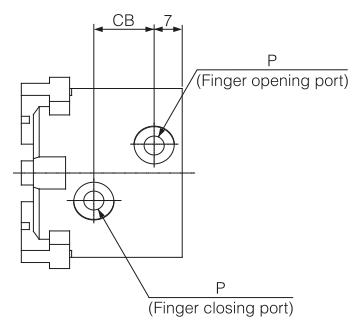
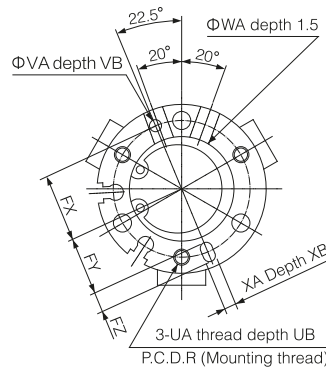
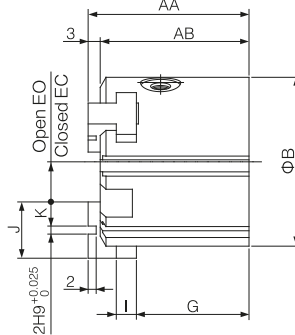
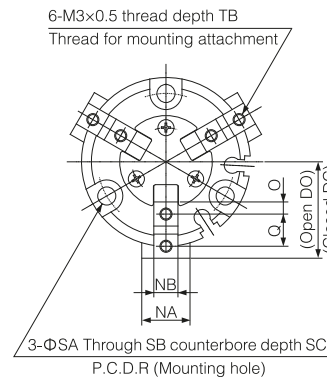
* Suitable bore size Φ32~Φ125.

Magnetic switch model list

Bore size(mm)	16, 20, 25	32, 40, 50, 63, 80	100, 125
NMHS3	M9N, M9P	Y59 _A , Y69 _A	
NMHS3	M9B, F9BA	Y7NW, Y7BA	
NMHS3	M9N, M9P, M9B, F9NW, F9BA		-

Dimensions

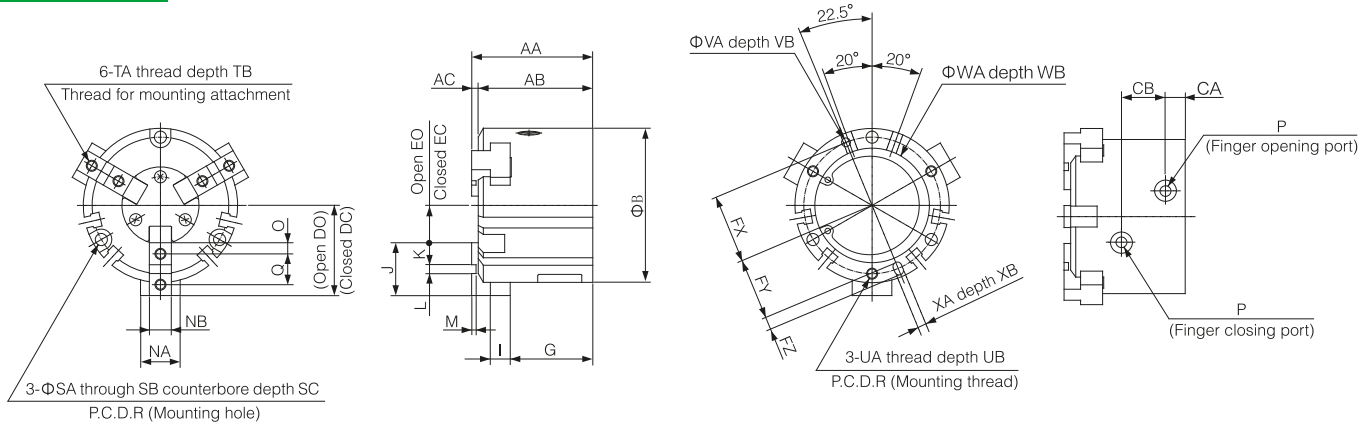
NMHS3-16D~25D



Model	AA	AB	B	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB	O	P	Q	R
NMHS3-16D	35	32	30	11	15	17	5	7	12.5	11	3	25	4	10	4	8	5h9 _{-0.030} ⁰	2	M3x0.5	6	25
NMHS3-20D	38	35	36	13	18	20	6	8	14.5	13	3	27	5	12	5	10	6h9 _{-0.030} ⁰	2.5	M5x0.8	7	29
NMHS3-25D	40	37	42	15	21	24	7	10	17	14.5	5	28	5	14	6	12	6h9 _{-0.030} ⁰	3	M5x0.8	8	34

Model	SA	SB	SC	TB	UA	UB	VA	VB	WA	XA	XB
NMHS3-16D	3.4	6.5	8	5	M3x0.5	4.5	2H9 _{-0.025} ^{+0.025}	2	17H9 _{-0.043} ^{+0.043}	2H9 _{-0.025} ^{+0.025}	2
NMHS3-20D	3.4	6.5	9.5	6	M3x0.5	6	2H9 _{-0.025} ^{+0.025}	2	21H9 _{-0.052} ^{+0.052}	2H9 _{-0.025} ^{+0.025}	2
NMHS3-25D	4.5	8	10	6	M4x0.7	6	3H9 _{-0.025} ^{+0.025}	3	26H9 _{-0.052} ^{+0.052}	3H9 _{-0.025} ^{+0.025}	3

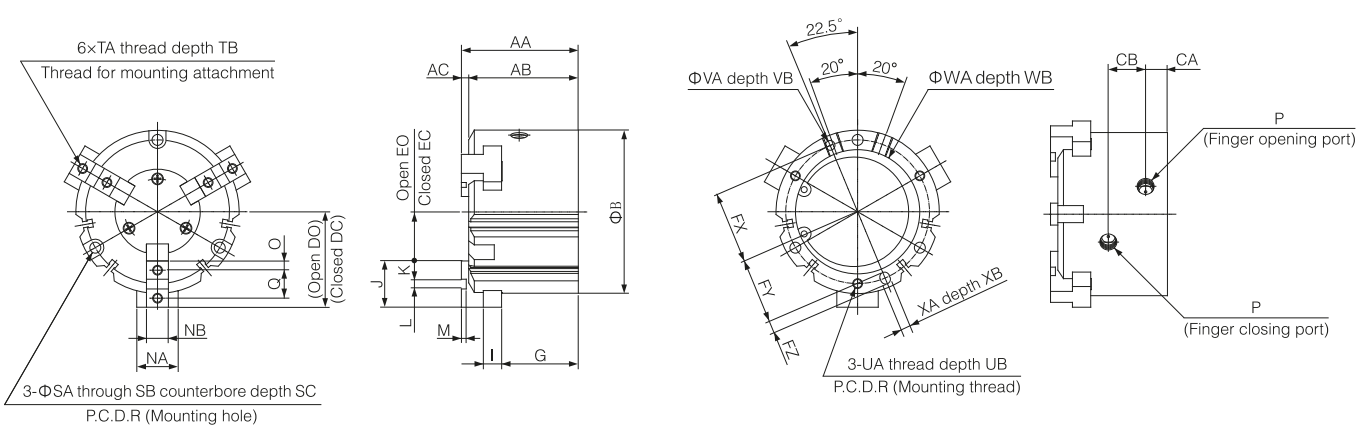
NMHS3-32D~80D



Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
NMHS3-32D	44	41	3	52	8	16	28	32	8	12	22	19.5	5	30.5	6	20	9	2H9 ^{+0.025} ₀	2	14	8h9 ⁰ _{-0.036}
NMHS3-40D	47	44	3	62	9	17	31	35	10	14	26.5	23.5	6	32	7	21	9	3H9 ^{+0.025} ₀	2	16	8h9 ⁰ _{-0.036}
NMHS3-50D	55	52	3	70	9	20	35	41	11	17	31	28	6	37.5	9	24	10	4H9 ^{+0.030} ₀	2	18	10h9 ⁰ _{-0.036}
NMHS3-63D	66	62	4	86	12	22	43	51	15	23	38	34.5	7	44	11	28	11	6H9 ^{+0.030} ₀	3	24	12h9 ⁰ _{-0.043}
NMHS3-80D	82	77	5	106	13.5	27	53.5	63.5	21.5	31.5	47.5	43.5	8	56	12	32	12	8H9 ^{+0.036} ₀	4	28	14h9 ⁰ _{-0.043}

Model	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB	WA	WB	XA	XB	YC
NMHS3-32D	4.5	M5×0.8	11	44	4.5	8	9	M4×0.7	8	M4×0.7	6	3H9 ^{+0.025} ₀	3	34H9 ^{+0.062} ₀	2	3H9 ^{+0.025} ₀	3	6
NMHS3-40D	4.5	M5×0.8	12	53	5.5	9.5	9	M4×0.7	8	M5×0.8	7.5	4H9 ^{+0.030} ₀	4	42H9 ^{+0.062} ₀	2	4H9 ^{+0.030} ₀	4	8
NMHS3-50D	5	M5×0.8	14	62	5.5	9.5	12	M5×0.8	10	M5×0.8	10	4H9 ^{+0.030} ₀	4	52H9 ^{+0.074} ₀	2	4H9 ^{+0.030} ₀	4	7
NMHS3-63D	5.5	M5×0.8	17	76	6.6	11	14	M5×0.8	10	M6×1	9	5H9 ^{+0.030} ₀	5	65H9 ^{+0.074} ₀	2.5	5H9 ^{+0.030} ₀	5	7.5
NMHS3-80D	6	Rc1/8	20	95	6.6	11	19	M6×1	12	M6×1	12	6H9 ^{+0.030} ₀	6	82H9 ^{+0.087} ₀	3	6H9 ^{+0.030} ₀	6	9

NMHS3-100D • 125D



Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	M	NA	NB
NMHS3-100D	96	90	6	134	18	30.6	66	78	28	40	59	54	10	63	15	38	15	8H9 ^{+0.036} ₀	4	34	18h9 ⁰ _{-0.043}
NMHS3-125D	122	114	8	166	23.5	38	82	98	30	46	74	68	12	84	18	52	21	10H9 ^{+0.036} ₀	6	40	22h9 ⁰ _{-0.052}

Model	O	P	Q	R	SA	SB	SC	TA	TB	UA	UB	VA	VB	WB	WB	XA	XB
NMHS3-100D	7.5	Rc1/4	23	118	9	14	21	M8×1.25	16	M8×1.25	16	8H9 ^{+0.036} ₀	6	102H9 ^{+0.087} ₀	4	8H9 ^{+0.036} ₀	6
NMHS3-125D	10.5	Rc3/8	31	148	11	17.5	34	M10×1.5	20	M10×1.5	20	10H9 ^{+0.036} ₀	8	130H9 ^{+0.100} ₀	6	10H9 ^{+0.036} ₀	8

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