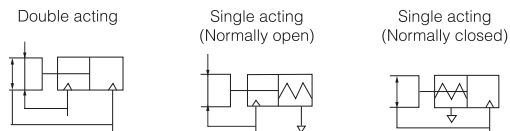




Specifications

Bore size(mm)		6	10	16	20	25	32	40
Fluid		Air (to be filtered by 40μm filter element)						
Operating pressure (MPa)	Double acting	0.15~0.7	0.2~0.7	0.1~0.7			0.1~0.7	
	Single acting	0.3~0.7	0.35~0.7	0.25~0.7			0.25~0.7	
Ambient and fluid temperature		-10~60℃						
Repeatability (mm)		±0.01					±0.02	
Max. operating frequency (c.p.m)		180(NMHZL2 Series is 120)					60	
Lubrication		Not required						
Action		Double acting/Single acting						
Magnet switch(Options)		No contact magnetic switch (NMHZA2, NMHZAJ2 No magnetic switch)						
Pipe size		M3×0.5		M5×0.8				

Symbol



Ordering code

Parallel opening closing type **NMHZ** ☐ **2** **-** **16** **D** ☐ ☐ **-** **M9PV** ☐

Air claw form

Blank	Standard type
A	Small-scale
AJ	Small with dust cover
L	Long stroke type
J	With dust cover type

Number of fingers

2	2 fingers
---	-----------

Acting type

D	Double acting
S	Single acting (Normally open)
C	Single acting (Normally closed)

Magnetic switch type

Blank	Without magnetic switch
-------	-------------------------

* Small (A, AJ) type without magnetic switch.

Dust cover material

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

* This item is only available in NMHZAJ2 and NMHZJ2 series.

Number of magnetic switches

Blank	2 pcs.
S	1 pc.

Bore size	
6	6mm
10	10mm
16	16mm
20	20mm
25	25mm
32	32mm
40	40mm

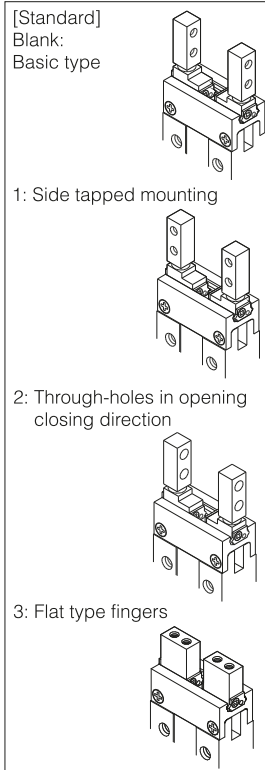
Small (A, AJ) type only has a bore of Φ6, Long stroke type (L form) only has a bore of Φ10~Φ25, with dust cover type (J type) only has cylinder diameter of Φ6~Φ25.

Model of commonly used magnetic switch

M9N, M9NV, M9P, M9PV, M9B, M9BV

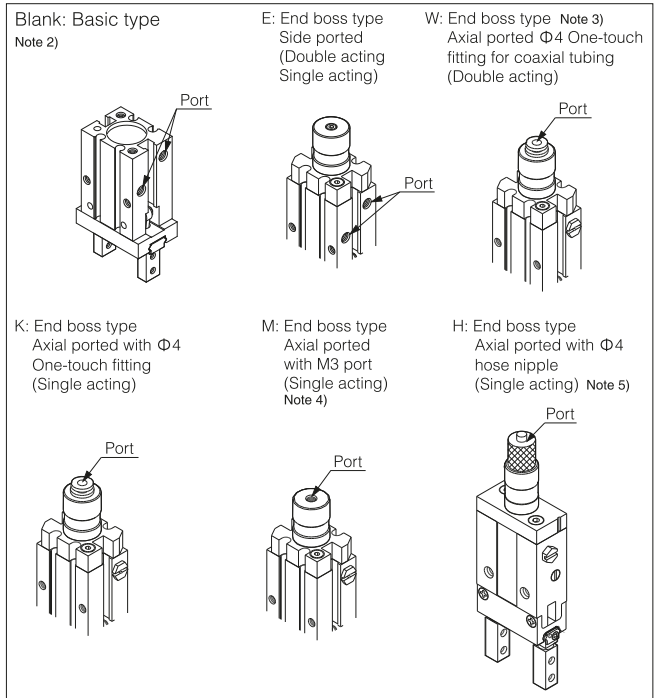
* Behind the magnetic switch model, Wire length representation mark: no mark: -0.5m, L-3m, Z-5m.

Finger position/ option Note 1)



Note: NMHZAJ2 and NMHZJ2 series do not have this item.

Body option Note 2)



Note: 1. NMHZ2-6,32,40 do not have this item.
2. NMHZA2-6 and NMHZJ2-6 are only basic types.
3. NMHZA2 and NMHZAJ2 have no "W" variety.
4. M type of NMHZAJ2-6 is M3 through port.
5. type H is only applicable to NMHZA2-6 and NMHZAJ2-6.

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

Clamping force

Small air claw

Action	Model	Gripping force per finger Effective value (N)		Opening/Closing (Both sides) (mm)
		External	Internal	
Double acting	NMHA2-6D	3.3	6.1	4
	NMHZA2-6D			
Single acting	Normally open	1.9	-	4
	NMHA2-6S			
	NMHZA2-6S	-	3.7	4
	NMHA2-6C			

Standard air claw

Action	Model	Gripping force per finger Effective value (N)		Opening/Closing (Both sides) (mm)
		External	Internal	
Double acting	NMHZ2-6D	3.3	6.1	4
	NMHZ2-10D	11	17	4
	NMHZ2-16D	34	45	6
	NMHZ2-20D	42	66	10
	NMHZ2-25D	65	104	14
	NMHZ2-32D	158	193	22
	NMHZ2-40D	254	318	30
	Normally open	-	-	4
	NMHZ2-6S			4
	NMHZ2-10S			6
	NMHZ2-16S			10
	NMHZ2-20S			14
	NMHZ2-25S			22
	NMHZ2-32S			30
	NMHZ2-40S			30
Single acting	Normally open	-	-	4
	NMHZ2-6C			4
	NMHZ2-10C			4
	NMHZ2-16C			6
	NMHZ2-20C			10
	NMHZ2-25C			14
	NMHZ2-32C			22
	NMHZ2-40C			30

Long stroke type air claw

Action	Model	Gripping force per finger Effective value (N)		Opening/Closing (Both sides) (mm)
		External	Internal	
Double acting	NMHZL2-10D	11	17	8
	NMHZL2-16D	34	45	12
	NMHZL2-20D	42	66	18
	NMHZL2-25D	65	104	22
Single acting	Normally open	-	-	8
	NMHZL2-10S			12
	NMHZL2-16S			18
	NMHZL2-20S			22
	Normally closed	-	-	8
	NMHZL2-10C			12
	NMHZL2-16C			18
	NMHZL2-20C			22

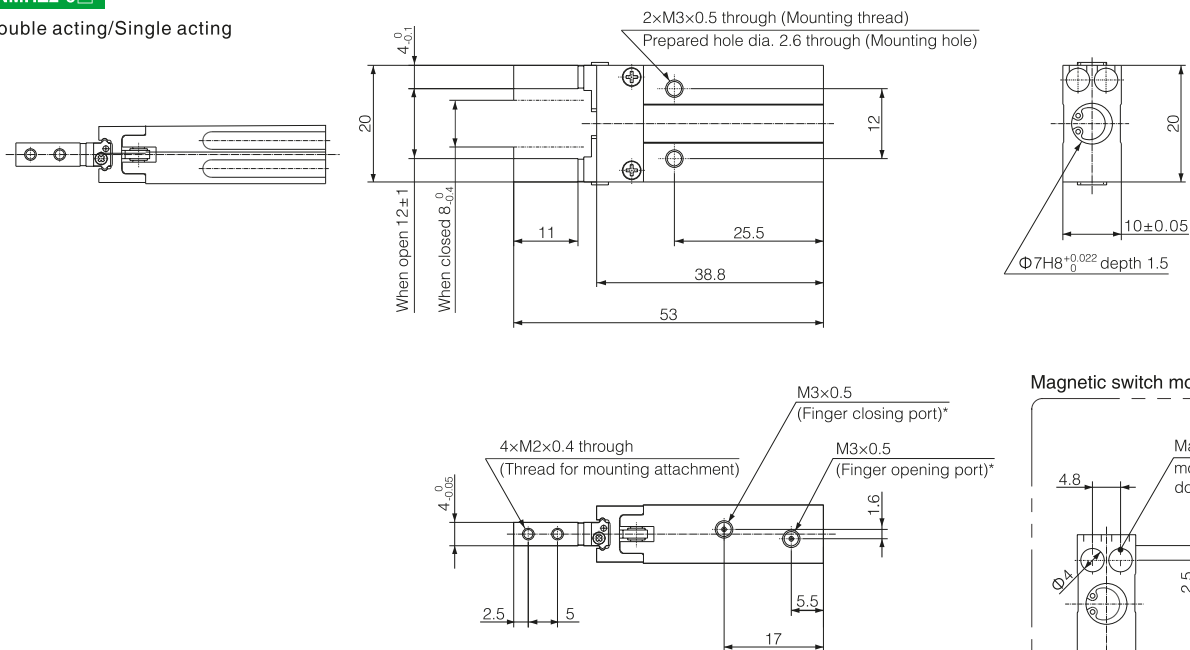
With dust cover type air claw

Action	Model	Gripping force per finger Effective value (N)		Opening/Closing (Both sides) (mm)
		External	Internal	
Double acting	NMHZJ2-6D	3.3	6.1	4
	NMHZJ2-10D	9.8	17	4
	NMHZJ2-16D	30	40	6
	NMHZJ2-20D	42	66	10
	NMHZJ2-25D	65	104	14
Single acting	Normally open	-	-	4
	NMHZJ2-6S			4
	NMHZJ2-10S			6
	NMHZJ2-16S			10
	NMHZJ2-20S			14
	Normally closed	-	-	4
	NMHZJ2-6C			4
	NMHZJ2-10C			6
	NMHZJ2-16C			10
	NMHZJ2-20C			14

Dimensions

NMHZ2-6□

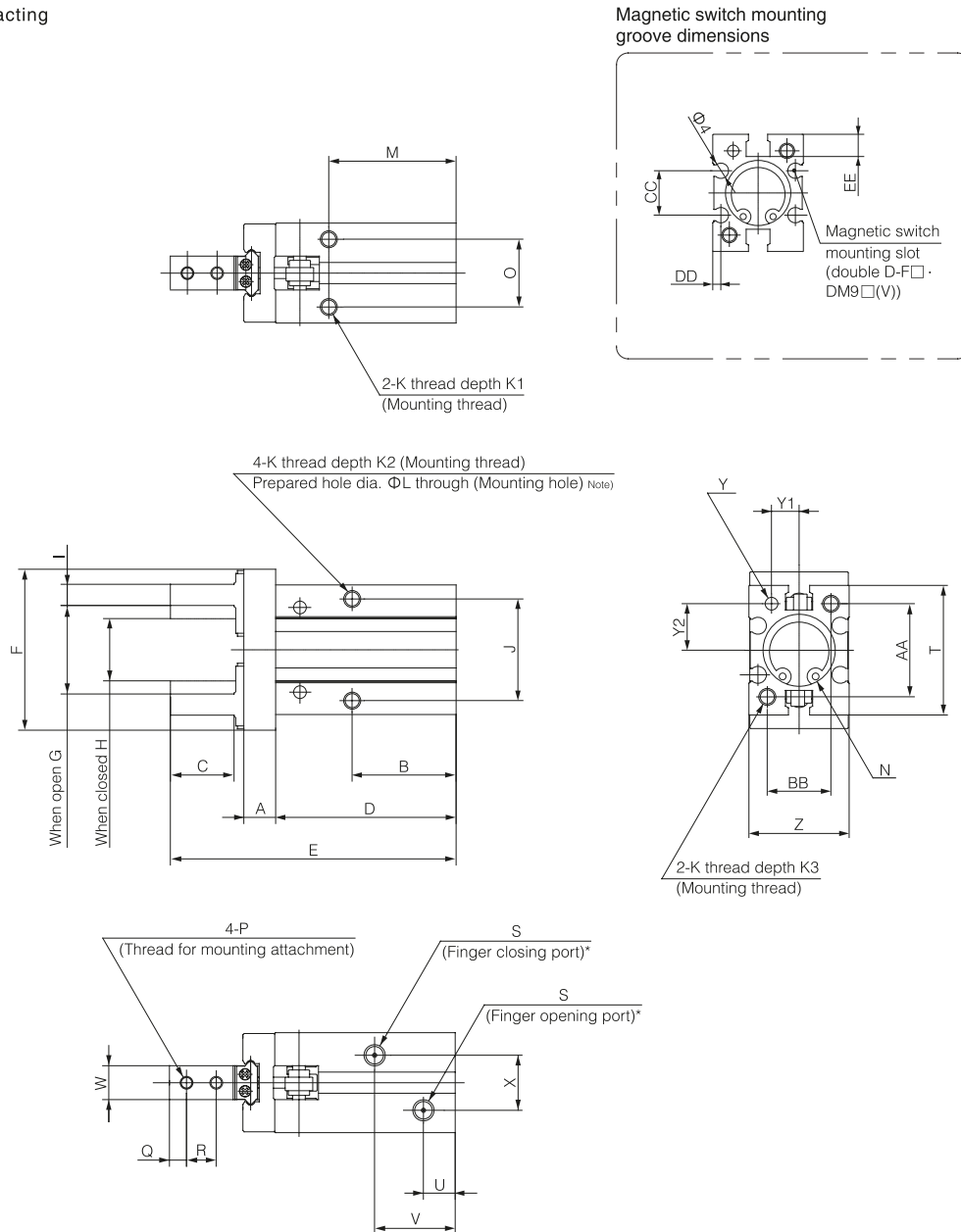
Double acting/Single acting



* For single action, the port on one side is a breathing hole.

NMHZ2-□□

Double acting/Single acting



* For single action, the port on one side is a breathing hole.

Bore size (mm)	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ΦL	M	N	O	P	Q	R	Z
10	6	23	12	37.8	57	29	15.2 ^{+2.2} ₀	11.2 ⁰ _{0.7}	4 ⁰ _{0.1}	16	M3×0.5	6	5.5	6	2.6	27	Φ11H9 ^{+0.043} ₀ deep 2	11.4	M2.5×0.45	3	5.7	M3×0.5
16	7.5	24.5	15	42.5	67.3	38	20.9 ^{+2.2} _{0.2}	14.9 ⁰ _{0.7}	5 ⁰ _{0.1}	24	M4×0.7	4.5	8	8	3.4	30	Φ17H9 ^{+0.043} ₀ deep 2	16	M3×0.5	4	7	M5×0.8
20	9.5	29	20	52.8	84.8	50	26.3 ^{+2.2} _{0.2}	16.3 ⁰ _{0.7}	8 ⁰ _{0.1}	30	M5×0.8	8	10	10	4.3	35	Φ21H9 ^{+0.052} ₀ deep 3	18.6	M4×0.7	5	9	M5×0.8
25	11	30	25	63.6	102.7	63	33.3 ^{+2.5} _{0.2}	19.3 ⁰ _{0.8}	10 ⁰ _{0.1}	36	M6×1	10	12	12	5.1	36.5	Φ26H9 ^{+0.052} ₀ deep 3.5	22	M5×0.8	6	12	M5×0.8
32	12	40(49)	29	67(76)	113(122)	97	48 ^{+2.5} ₀	26 ⁰ _{0.5}	12 ⁰ _{0.1}	46	M6×1	10	13	13	5.1	48(57)	Φ34H9 ^{+0.062} ₀ deep 4	26	M6×1	7	14	M5×0.8
40	15	49(62)	36	83(96)	139(152)	119	60 ^{+2.7} ₀	30 ⁰ _{0.5}	14 ⁰ _{0.1}	56	M8×1.25	13	16	17	6.6	58(71)	Φ42H9 ^{+0.062} ₀ deep 4	32	M8×1.25	9	17	M5×0.8

Bore size (mm)	T	U	V	W	X	Y	Z	Y1	Y2	AA	BB	CC	DD	EE
10	23	9	19	5 ⁰ _{0.05}	11	Φ2H9 ^{+0.025} ₀ depth 3	16.4±0.05	5.2±0.02	7.6±0.02	18	12	-	-	5.4
16	30.6	7.5	19	8 ⁰ _{0.05}	13	Φ3H9 ^{+0.025} ₀ depth 3	23.6±0.05	6.5±0.02	11±0.02	22	15	11.6	2.1	5.8
20	42	10	23	10 ⁰ _{0.05}	15	Φ4H9 ^{+0.03} ₀ depth 4	27.6±0.05	7.5±0.02	16.8±0.02	32	18	14	2.1	9
25	52	10.7	23.5	12 ⁰ _{0.05}	20	Φ4H9 ^{+0.03} ₀ depth 4	33.6±0.05	10±0.02	21.8±0.02	40	22	19	3.5	11.5
32	60	11	31(37)	15 ⁰ _{0.05}	24	Φ5H9 ^{+0.03} ₀ depth 5	40±0.1	12±0.02	23±0.02	46	26	24	3.3	11.5
40	72	12	38(45)	18 ⁰ _{0.05}	28	Φ5H9 ^{+0.03} ₀ depth 5	48±0.1	14±0.02	29±0.02	56	32	29.4	3.7	13

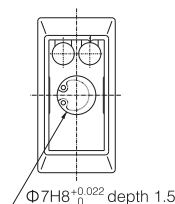
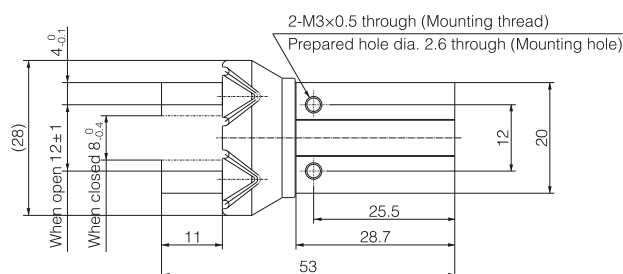
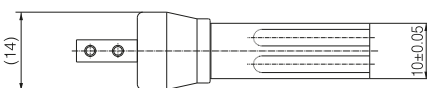
Cylinder

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
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NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

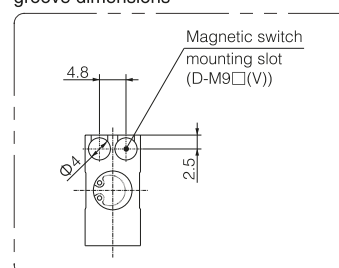
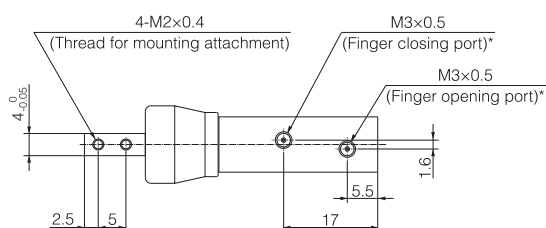
Cylinder

NMHZ J2-6 ☐

Double acting/Single acting



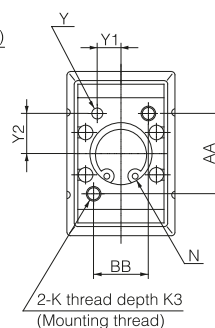
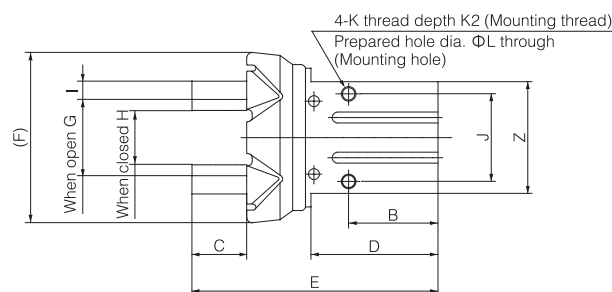
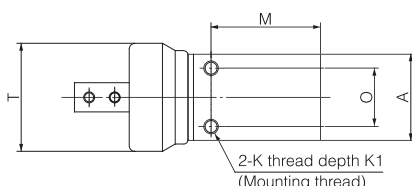
Magnetic switch mounting groove dimensions



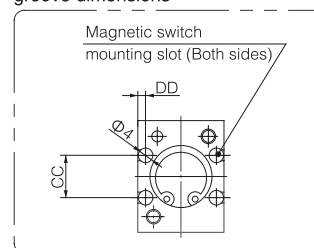
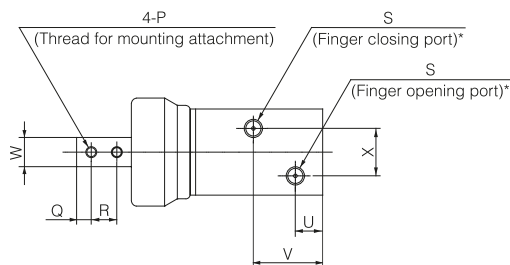
* For single action, the port on one side is a breathing hole.

NMHZ J2-

Double acting/Single acting



Magnetic switch mounting groove dimensions



* For single action, the port on one side is a breathing hole.

Bore size(mm)	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ΦL	M	N	O
10	16.4±0.05	23	12	31	57	34	15.2 ^{+2.2} _{-0.2}	11.2 ⁰ _{-0.7}	4 ⁰ _{-0.1}	16	M3×0.5	6	5.5	6	2.6	27	Φ 11H9 ^{+0.043} _{-0.013} depth 2	11.4
16	23.6±0.05	24.5	15	34.8	67.3	45	20.9 ^{+2.2} _{-0.2}	14.7 ⁰ _{-0.7}	5 ⁰ _{-0.1}	24	M4×0.7	4.5	8	8	3.4	30	Φ 17H9 ^{+0.043} _{-0.013} depth 2	16
20	27.6±0.05	29	20	43.5	84.8	58	26.3 ^{+2.2} _{-0.2}	16.3 ⁰ _{-0.7}	8 ⁰ _{-0.1}	30	M5×0.8	8	10	10	4.3	35	Φ 21H9 ^{+0.052} _{-0.013} depth 2	18.6
25	33.6±0.05	30	25	53	102.7	73	33.3 ^{+2.5} _{-0.8}	19.3 ⁰ _{-0.8}	10 ⁰ _{-0.8}	36	M6×1	10	12	12	5.1	36.5	Φ 26H9 ^{+0.052} _{-0.013} depth 2	22

Bore size(mm)	P	Q	R	S	T	U	V	W	X	Y	Y1	Y2	Z	AA	BB	CC	DD
10	M2.5×4.5	3	5.7	M3×0.5	21	7	19	5 _{-0.05} ⁰	11	Φ2H9 ^{+0.025} ₀ depth 3	5.2±0.02	7.6±0.02	23	18	12	-	2.5
16	M3×0.5	4	7	M5×0.8	29.6	7.5	19	8 _{-0.05} ⁰	13	Φ3H9 ^{+0.025} ₀ depth 3	6.5±0.02	11±0.02	30.6	22	15	11.6	2.1
20	M4×0.7	5	9	M5×0.8	34.5	8.5	23	10 _{-0.05} ⁰	15	Φ4H9 ^{+0.03} ₀ depth 4	7.5±0.02	16.8±0.02	42	32	18	14	2.1
25	M5×0.8	6	12	M5×0.8	42	9	24	12 _{-0.05} ⁰	20	Φ4H9 ^{+0.03} ₀ depth 4	10±0.02	21.8±0.02	52	40	22	19	3.5