

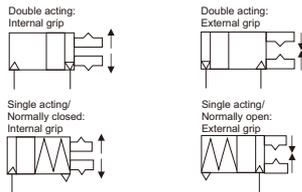


NMHZL2



NMHZ2

Symbol



Standard Specifications

Bore size	6mm	10mm	16mm	20mm	25mm	32mm	40mm
Fluid	Air						
Operating pressure	Double acting	0.15~0.7MPa	0.2~0.7MPa	0.1~0.7MPa		0.1~0.7MPa	
	Single acting	0.3~0.7MPa	0.35~0.7MPa	0.25~0.7MPa		0.25~0.7MPa	
Ambient and fluid temperature	-10~60 (Not frozen)						
Repeatability	±0.01mm					±0.02mm	
Max. operating frequency	180(NMHZL2 series 120)					60	
Lubrication	Not required						
Action	Double acting•Single acting						
Auto switch	Solid state auto switch(NMHAJ2 without auto switch)						
Pipe Size	M3x0.5			M5x0.8			

Standard Specifications

NMHZ 2 - 16 D

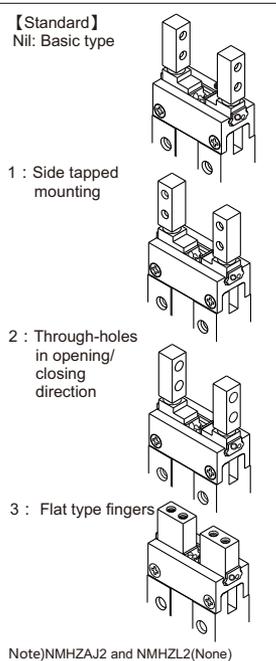
Nil	Basic type
A	Small-scale
AJ	Small with dust cover
L	Long journey type
J	With dust cover

*The type of dust cover corresponds to the occasion with dust

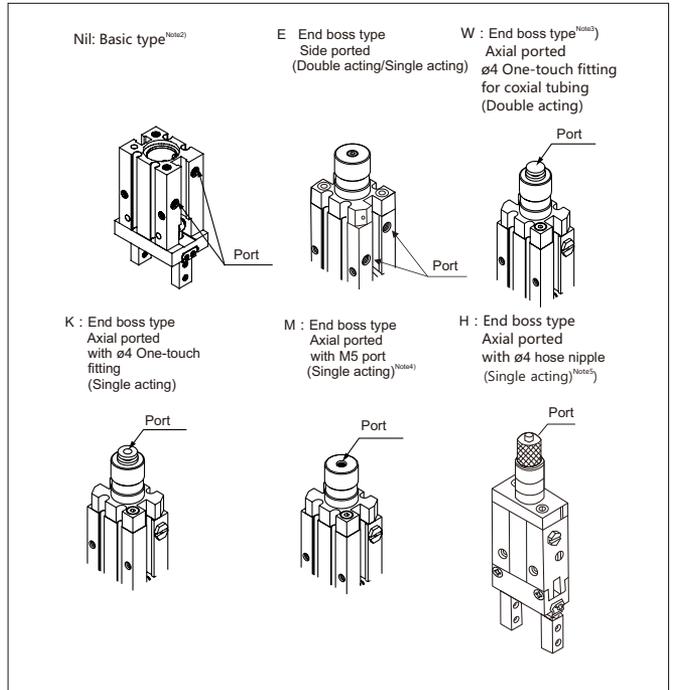
Action	
D	Double acting
S	Single acting (Normally open)
C	Single acting (Normally closed)

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

Finger position/option



Body option ^{Note1)}



Series options table

Series	Form	Bore(mm)	Built to impeding ring	Finger options	Bore size	Dust size
NMHA2	Small-scale	6	○	○	○	○
NMHAJ2	Small with dust cover	6	○	○	○	○
NMHZ2	Basic type	10-25	○	○	○	○
		32-40	○	○	○	○
NMHZL2	Long journey type	10-25	○	○	○	○
NMHAJ2	With dust cover	6-25	○	○	○	○

○ Optional + No choice

Note1) NMHZ2-6, 32, 40 without this type
Note2) NMHZ2-6 and Note1) NMHAJ2-6 only base type
Note3) NMHA2, NMHAJ2 "W" model
Note4) NMHA2-6 and NMHAJ2-6 M model M3 type
Note5) This model only apply to NMHA2-6 and NMHAJ2-6

Gripping force

Model	Gripping force N				Opening/ Closing stroke (Both sides) (mm)
	Gripping force per finger effective value				
	Double acting(D)		Single acting(S)		
	External	Internal	External	Internal	
NMHZ2-6□	3.3	6.1	1.9	3.7	4
NMHZ2-10□	11	17	7.1	13	4
NMHZ2-16□	34	45	27	38	6
NMHZ2-20□	42	66	33	57	10
NMHZ2-25□	65	104	45	83	14
NMHZ2-32□	158	193	131	161	22
NMHZ2-40□	254	318	217	267	30

Model	Gripping force N				Opening/ Closing stroke (Both sides) (mm)
	Gripping force per finger effective value				
	Double acting(D)		Single acting(S)		
	External	Internal	External	Internal	
NMHZA2-6□	3.3	6.1	1.9	3.7	4
NMHZAJ2-6□	3.3	6.1	1.9	3.7	4

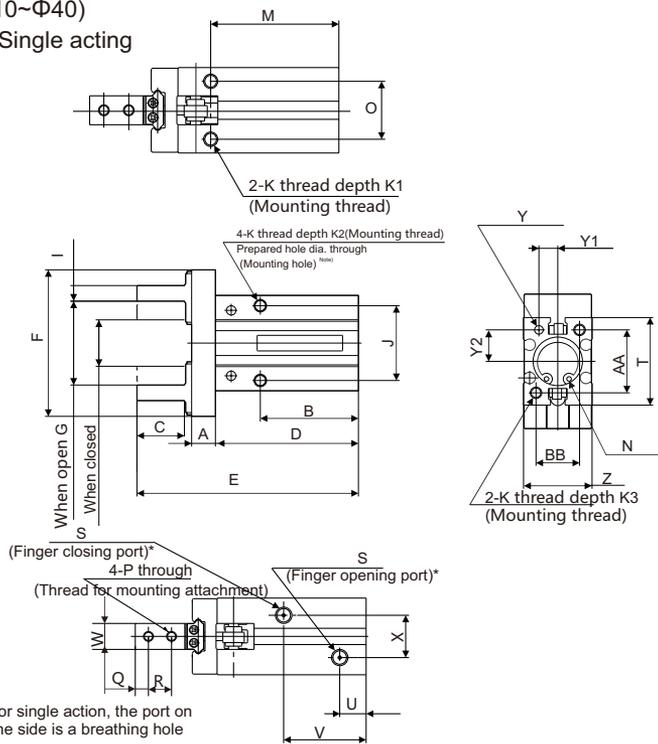
□=Double Acting S=Single Acting(Open) C=Single Acting(Close)

Model	Gripping force N				Opening/ Closing stroke (Both sides) (mm)
	Gripping force per finger effective value				
	Double acting(D)		Single acting(S)		
	External	Internal	External	Internal	
NMHZL2-10□	11	17	7.1	13	8
NMHZL2-16□	34	45	27	38	12
NMHZL2-20□	42	65	33	57	18
NMHZL2-25□	65	104	50	85	22

Model	Gripping force N				Opening/ Closing stroke (Both sides) (mm)
	Gripping force per finger effective value				
	Double acting(D)		Single acting(S)		
	External	Internal	External	Internal	
NMHZJ2-6□	3.3	6.1	1.9	3.7	4
NMHZJ2-10□	9.8	17	6.3	12	4
NMHZJ2-16□	30	45	24	31	6
NMHZJ2-20□	42	66	28	56	10
NMHZJ2-25□	65	104	45	83	14

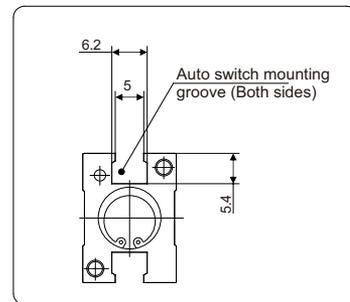
Dimensions

NMHZ2-□□(Φ10~Φ40) Double acting/Single acting Basic type



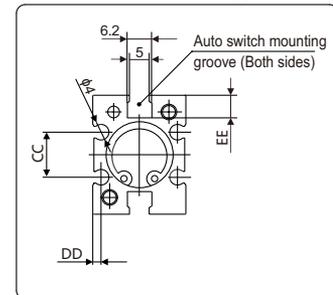
* For single action, the port on one side is a breathing hole

NMHZ2-10□Auto Switch Mounting Groove Dimensions



Note) Through-hole mounting is not possible when using the auto switch at the square groove.

NMHZ2-□□Auto Switch Mounting groove Dimensions



注)使用磁性开关ND-Y59,ND-Y69及ND-Y7时,气爪不可以通孔安装

Dimensions(mm)

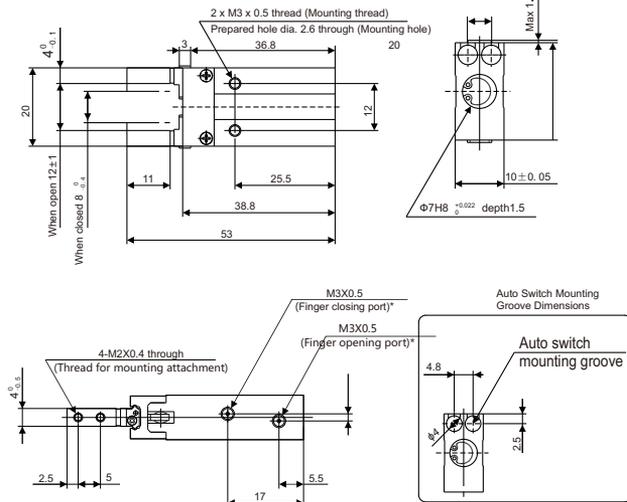
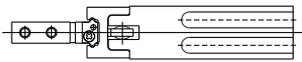
Bore size	V	W	X	Y	Z	Y1	Y2	AA	BB	CC	DD	EE
10	19	5 ⁰ _{-0.05}	11	Φ2H9 ^{+0.025} ₀ depth 3	16.4±0.05	5.2±0.02	7.6±0.02	18	12	-	-	-
16	19	8 ⁰ _{-0.05}	13	Φ3H9 ^{+0.025} ₀ depth 3	23.6±0.05	6.5±0.02	11±0.02	22	15	11.6	2.1	5.8
20	23	10 ⁰ _{-0.05}	15	Φ4H9 ^{+0.03} ₀ depth 4	27.6±0.05	7.5±0.02	16.8±0.02	32	18	14	2.1	9
25	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	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	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

Bore size	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ΦL	M	N	O	P	Q	R	S	T	U
10	6	23	12	37.8	57	29	15.2 ^{+2.2} ₀	11.2 ⁰ _{-0.7}	4 ⁰ _{-0.1}	16	M3X0.5	6	5.5	6	2.6	27	Φ11H9 ^{+0.043} ₀ depth 2	11.4	M2.5X0.45	3	5.7	M3X0.5	23	9
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	M4X0.7	4.5	8	8	3.4	30	Φ17H9 ^{+0.043} ₀ depth 2	16	M3X0.5	4	7	M5X0.8	30.6	7.5
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	M5X0.8	8	10	10	4.3	35	Φ21H9 ^{+0.052} ₀ depth 3	18.6	M4X0.7	5	9	M5X0.8	42	10
25	11	30	25	63.6	102.7	63	33.3 ^{+2.2} _{-0.2}	19.3 ⁰ _{-0.8}	10 ⁰ _{-0.1}	36	M6X1	10	12	12	5.1	36.5	Φ26H9 ^{+0.052} ₀ depth 3.5	22	M5X0.8	6	12	M5X0.8	52	10.7
32	12	40(49)	29	67(76)	113(112)	97	48 ^{+2.5} ₀	26 ⁰ _{-0.5}	12 ⁰ _{-0.1}	46	M6X1	10	13	13	5.1	48(57)	Φ34H9 ^{+0.062} ₀ depth 4	26	M6X1	7	14	M5X0.8	60	11
40	15	49(62)	36	83(96)	139(152)	119	60 ^{+2.7} ₀	30 ⁰ _{-0.5}	14 ⁰ _{-0.1}	56	M8X1.25	13	16	17	6.6	58(71)	Φ42H9 ^{+0.062} ₀ depth 4	32	M8X1.25	9	17	M5X0.8	72	12

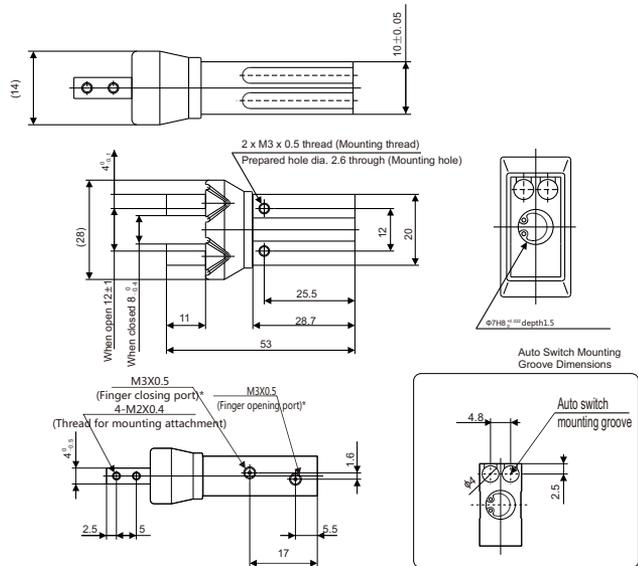
注 "0" 内的尺寸为单动的尺寸

Equip on the mdular filter combination

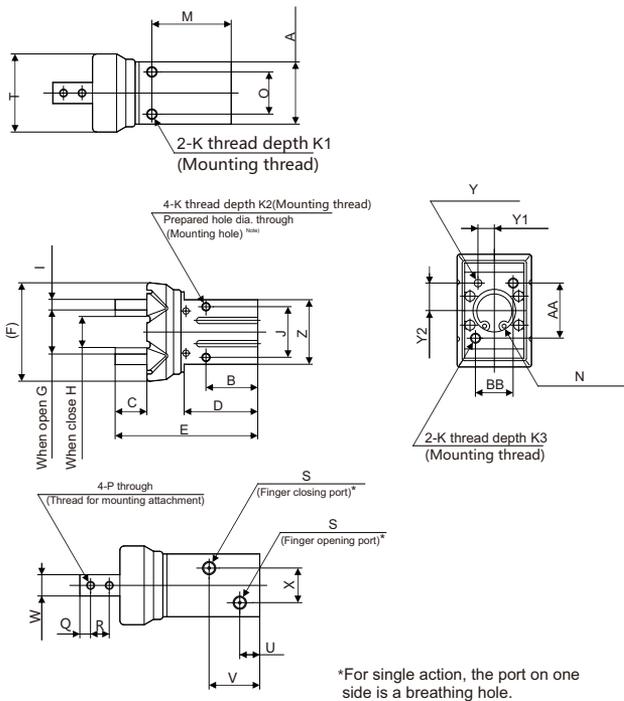
NMHZ2-6□(Φ6)
Double acting/Single acting
Basic type



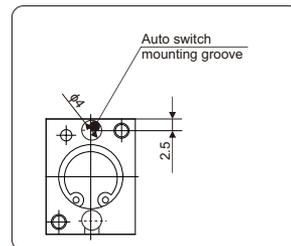
NMHZJ2-6□(Φ6)
Double acting/Single acting
Basic type



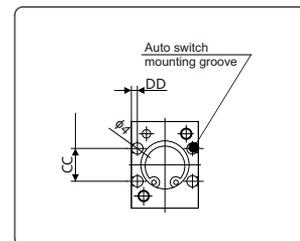
NMHZJ2-□□(Φ10~Φ25)
Double acting/Single acting
Basic type



NMHZJ2-10□ Auto Switch Mounting groove Dimensions



NMHZJ2-□□ Auto Switch Mounting groove Dimensions

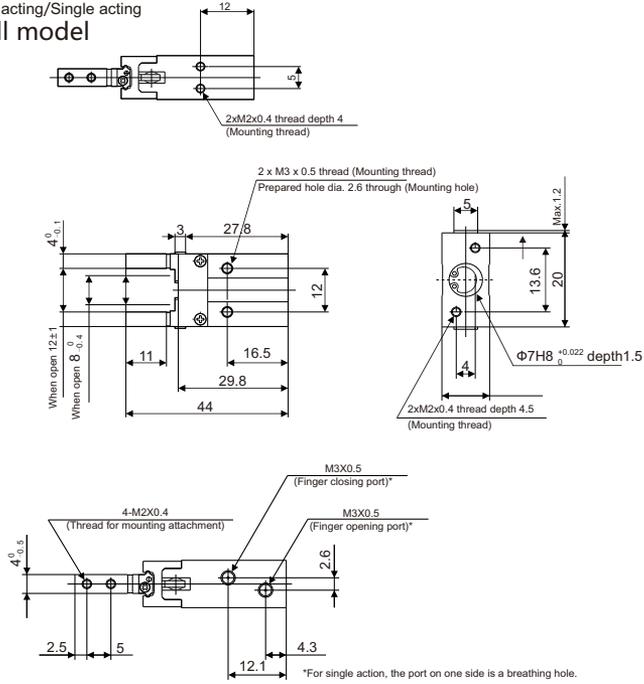


Dimensions(mm)

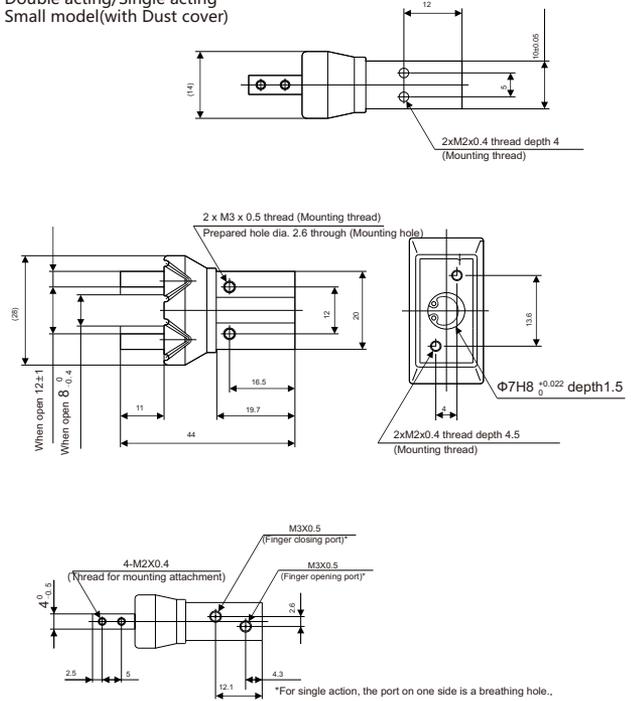
Bore size	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ΦL	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Y1	Y2	Z	AA	BB	CC	DD
10	16.4±0.05	23	12	31	57	34	15.2 ^{+0.02} _{-0.03}	11.2 ⁰ _{-0.07}	4 ⁰ _{-0.1}	16	M3X0.5	6	5.5	6	2.6	27	Φ11H9 ^{+0.043} ₀ depth 2	11.4	M2.5X0.45	3	5.7	M3X0.5	21	7	19	5 ⁰ _{-0.05}	11	Φ2H9 ^{+0.025} ₀ depth 3	5.2±0.02	7.6±0.02	23	18	12	-	-
16	23.6±0.05	24.5	15	34.8	67.3	45	20.9 ^{+0.02} _{-0.03}	14.7 ⁰ _{-0.07}	5 ⁰ _{-0.1}	24	M4X0.7	4.5	8	8	3.4	30	Φ17H9 ^{+0.043} ₀ depth 2	16	M3X0.5	4	7	M5X0.8	29.6	7.5	19	8 ⁰ _{-0.05}	13	Φ3H9 ^{+0.025} ₀ depth 3	6.5±0.02	11±0.02	30.6	22	15	11.6	2.1
20	27.6±0.05	29	20	43.5	84.8	58	26.3 ^{+0.02} _{-0.03}	16.3 ⁰ _{-0.07}	8 ⁰ _{-0.1}	30	M5X0.8	8	10	10	4.3	35	Φ21H9 ^{+0.052} ₀ depth 3	18.6	M4X0.7	5	9	M5X0.8	34.5	8.5	23	10 ⁰ _{-0.05}	15	Φ4H9 ^{+0.03} ₀ depth 4	7.5±0.02	16.8±0.02	42	32	18	14	2.1
25	33.6±0.05	30	25	53	102.7	73	33.3 ^{+0.02} _{-0.03}	19.3 ⁰ _{-0.08}	10 ⁰ _{-0.1}	36	M6X1	10	12	12	5.1	36.5	Φ26H9 ^{+0.052} ₀ depth 3.5	22	M5X0.8	6	12	M5X0.8	42	9	24	12 ⁰ _{-0.05}	20	Φ4H9 ^{+0.03} ₀ depth 4	10±0.02	21.8±0.02	52	40	22	19	3.5

Dimensions

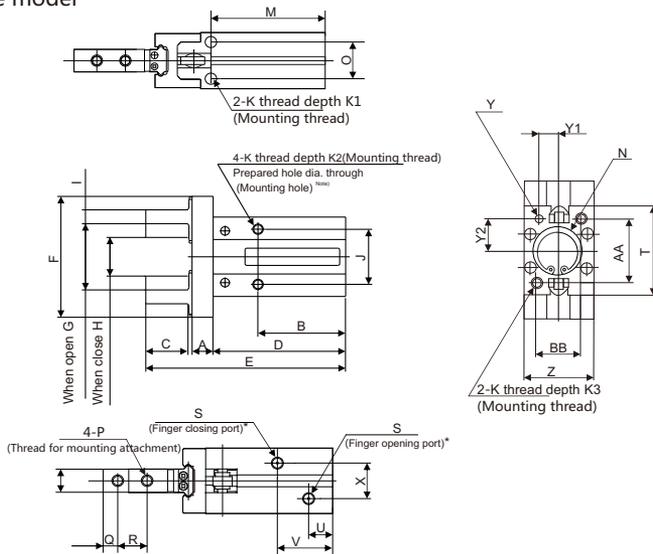
NMHZA2-6□(Φ6)
Double acting/Single acting
Small model



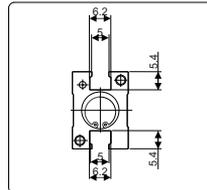
NMHZA2-6□(Φ6)
Double acting/Single acting
Small model(with Dust cover)



NMHZL2-□□(Φ6~Φ25)
Double acting/Single acting
Long stroke model

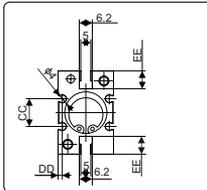


NMHZL2-10□Auto Switch Mounting groove Dimensions



Note)When using the auto switch, the gripper cannot be installed through the hole

NMHZL2-□□Auto Switch Mounting groove Dimensions



Bore size	A	B	C	D	E	F	G	H	I	J	K	K1	K2	K3	ΦL	M	N	O	P	Q
10	6	25(35)	12	37.8(47.8)	57(67)	35	19.2 ^{+2.2} ₀	11.2 ⁰ _{-0.4}	4 ⁰ _{-0.1}	16	M3X0.5	6	5.5	6	2.6	29(39)	Φ11H9 ^{+0.043} ₀ depth 2	11.4	M2.5X0.45	3
16	7.5	31(36)	15	45.2(50.2)	70(75)	47	26.9 ^{+2.2} ₀	14.9 ⁰ _{-0.4}	5 ⁰ _{-0.1}	24	M4X0.7	4.5	8	8	3.4	36(41)	Φ17H9 ^{+0.043} ₀ depth 2	16	M3X0.5	4
20	9.5	36(42)	20	58(64)	90(96)	62	34.3 ^{+2.4} ₀	16.3 ⁰ _{-0.4}	8 ⁰ _{-0.1}	30	M5X0.8	8	10	10	4.3	43(49)	Φ21H9 ^{+0.052} ₀ depth 3	18.6	M4X0.7	5
25	11	40(50)	25	66.9(76.9)	106(116)	75	41.3 ^{+2.6} ₀	19.3 ⁰ _{-0.4}	10 ⁰ _{-0.1}	36	M6X1	10	12	12	5.1	48(58)	Φ26H9 ^{+0.052} ₀ depth 3.5	22	M5X0.8	6

Bore size	R	S	T	U	V	W	X	Y	Z	Y1	Y2	AA	BB	CC	DD	EE
10	5.7	M3X0.5	23	8	21(31)	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	-	-	-
16	7	M5X0.8	30.6	8	25(30)	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	9	M5X0.8	42	10	30(36)	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	12	M5X0.8	52	10	33(43)	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