

Standard Specifications



Model	NMHS3-16D	NMHS3-20D	NMHS3-25D	NMHS3-32D	NMHS3-40D	NMHS3-50D	NMHS3-63D	NMHS3-80D	NMHS3-100D	NMHS3-125D		
Cylinder bore size(mm)	16	20	25	32	40	50	63	80	100	125		
Fluid	Air											
Operating pressure (Mpa)	0.2~0.6Mpa					0.1~0.6Mpa						
Ambient and fluid temperature (°C)	-10~60°C(Not frozen)											
Repeatability (mm)	±0.01mm											
Max. operating frequency (c.p.m.)	120c.p.m			60c.p.m				30c.p.m				
Lubrication	Not required											
Action	Double acting											
Effective gripping	External grip	14	25	42	74	118	187	335	500	750	1270	
force (N) at 0.5 MPa ^{max}	Internal grip	16	28	47	82	130	204	359	525	780	1320	
Opening/Closing stroke (mm) (dia.)	4		4		6		8		8		12	
Weight (g)	M3x0.5		M5x0.8				1/8		1/4		3/8	

Note) Values for ø16 to ø25 are with gripping point L = 20 mm, for ø32 to ø63 with gripping point L = 30 mm, and for ø80 to ø125 with gripping point L = 50 mm. Refer to "Effective Gripping Force" data on pages 587 to 589 for the gripping force at each gripping position.

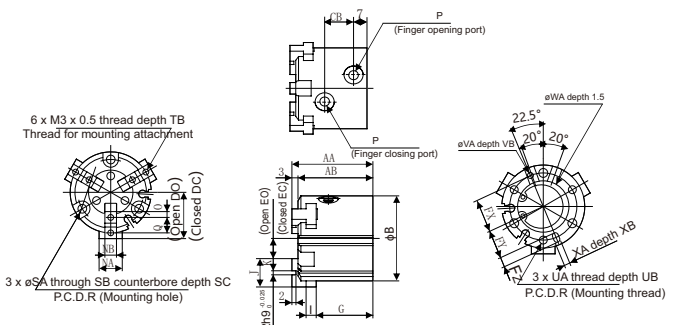
Standard Specifications

NMHS3- 20 D

Bore size

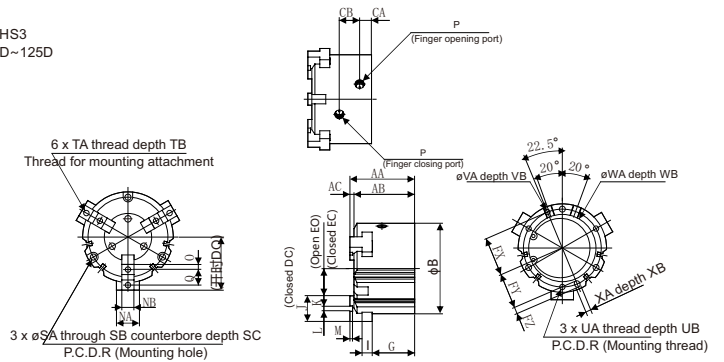
Dimensions

NMHS3
16D~25D



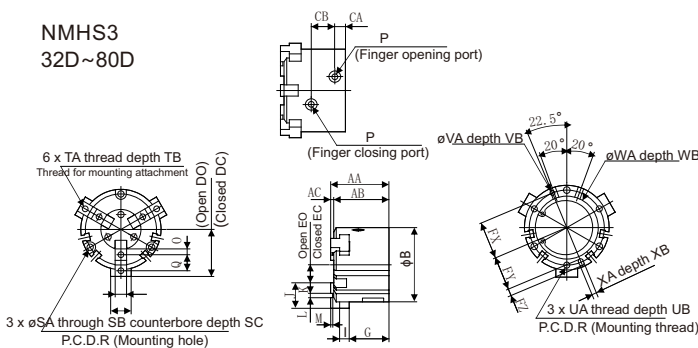
Model	AA	AB	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	NA	NB
NMHS3-16D	38	32	30	11	15	17	15	17	15	12.5	11	3	35	4	10	4	8	8
NMHS3-20D	38	35	35	13	18	20	6	8	14.5	13	3	27	5	12	5	10	8	8
NMHS3-25D	42	44	42	15	21	24	10	12	14.5	13	5	28	6	15	6	12	8	8

NMHS3
100D~125D



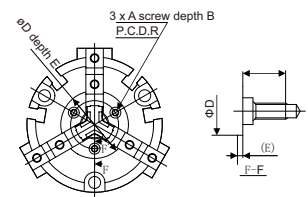
Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	NA	NB
NMHS3-100D	98	80	8	134	18	309	68	78	28	50	69	54	93	63	15	38	15	8	15	8
NMHS3-125D	122	114	8	166	23.5	38	82	98	30	46	74	68	12	84	18	52	21	19	19	8

NMHS3
32D~80D



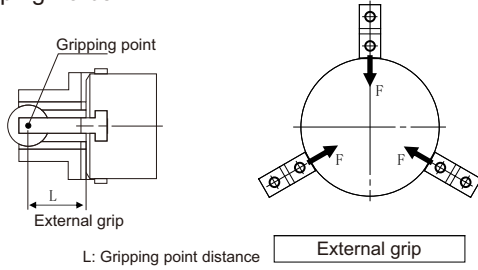
Model	AA	AB	AC	B	CA	CB	DC	DO	EC	EO	FX	FY	FZ	G	I	J	K	L	NA	NB
NMHS3-32D	44	41	3	52	8	16	28	32	8	12	22	19.5	5	30.5	8	20	9	2	14	8
NMHS3-40D	47	44	3	62	9	17	31	35	10	14	23.5	23.5	6	32	7	21	9	2	16	8
NMHS3-50D	55	52	3	70	9	20	35	41	11	17	31	28	6	37.5	9	24	10	2	18	10
NMHS3-63D	66	62	4	85	12	22	43	51	15	23	38	34.5	7	44	11	28	11	2	22	12
NMHS3-80D	82	77	5	108	13.5	27	53.5	63.5	21.5	31.5	47.5	43.5	8	56	12	32	12	2	28	14

MHS3 Series Detailed Dimensions of Mounting Portion of End Plate



Model	A	B	C	ΦD	E
NMHS3-16D	5.5	12.5	18H8/7s6	0.5	0.5
NMHS3-20D	5.4	15	21H8/7s6	0.6	0.6
NMHS3-25D	5.2	17	23H8/7s6	0.8	0.8
NMHS3-32D	5.2	21	27H8/7s6	1	1
NMHS3-40D	5.2	22	31H8/7s6	1	1
NMHS3-50D	5.3	26	35H8/7s6	1	1
NMHS3-63D	5.3	33	42H8/7s6	1	1
NMHS3-80D	5.5	40	52H8/7s6	1.5	1.5
NMHS3-100D	5.5	54	70H8/7s6	1.5	1.5
NMHS3-125D	6	62	82H8/7s6	1.5	1.5

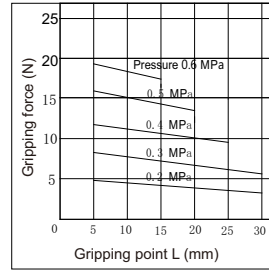
External Gripping Force



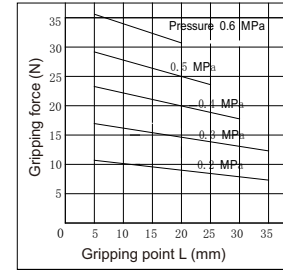
L: Gripping point distance

External grip

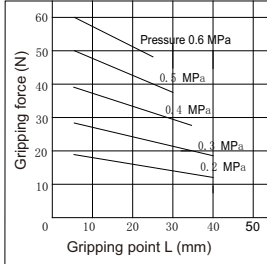
NMHS3-16D



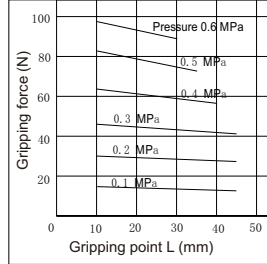
NMHS3-20D



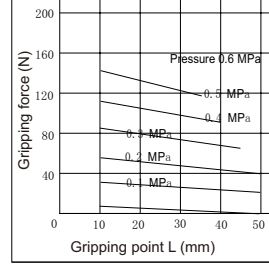
NMHS3-25D



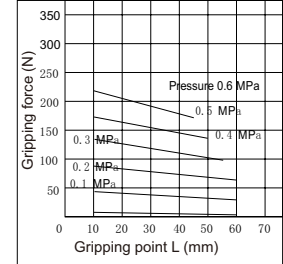
NMHS3-32D



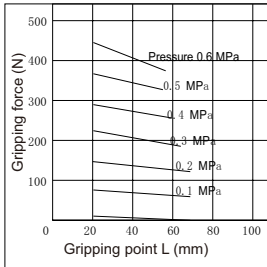
NMHS3-40D



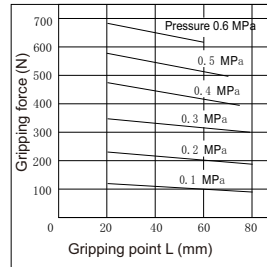
NMHS3-50D



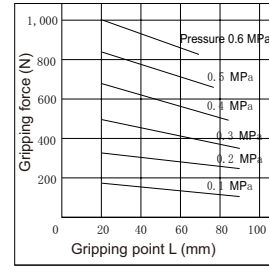
NMHS3-63D



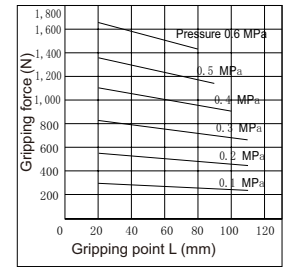
NMHS3-80D



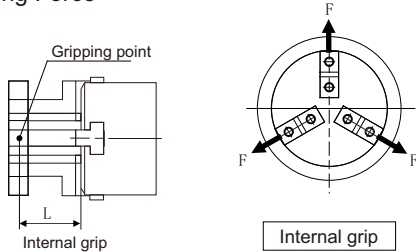
NMHS3-100D



NMHS3-125D



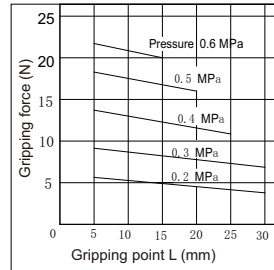
Internal Gripping Force



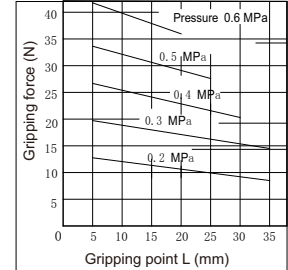
Internal grip

Internal grip

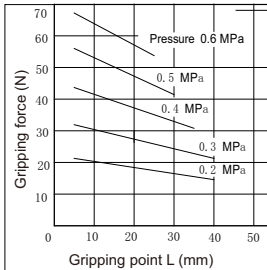
NMHS3-16D



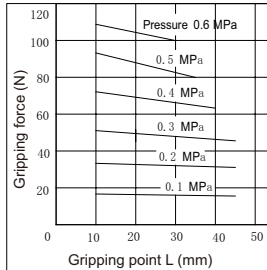
NMHS3-20D



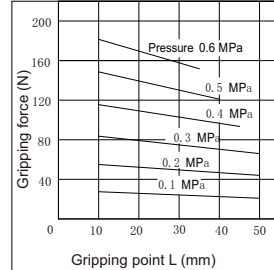
NMHS3-25D



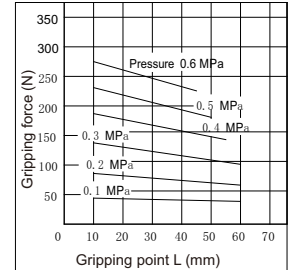
NMHS3-32D



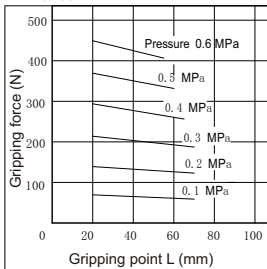
NMHS3-40D



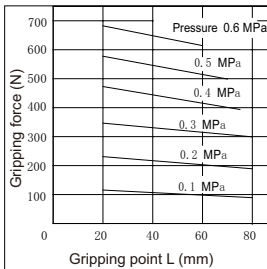
NMHS3-50D



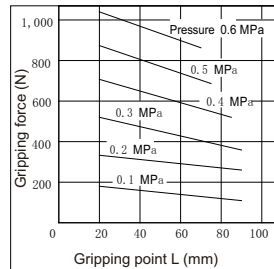
NMHS3-63D



NMHS3-80D



NMHS3-100D



NMHS3-125D

