Our highlighted product for you

Magnetic gripper

MHM-X6400 Series



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 MHM performs optimally in applications where vacuum pads or grippers are not performing efficiently, e.g. due to porous or uneven surfaces.



Rotary gripper

MRHQ Series





- Ø 10, 16, 20, 25
- · Compact combination of gripping and rotating function
- · Simple piping/wiring from one side
- Length approx. 20 % shorter compared to previous productcombination with adapter plate
- Rotation angles of 90° and 180° are available
- The standard model with magnets allows the retrofitting of auto switches
- · Both and positions adjustable by ±5°.

		Rotary actuator		Grip	Thread	
Part number	Rotation angle	Angle adjustment	Allowable kinetic energy [J]	Cylinder bore [mm]	Opening/Closing stroke [mm]	connection
MRHQ10D-90S-N •	90°	+10°	0.0046	10	4	- M5
MRHQ10D-180S-N •	180°	±10°	0.0046	10	4	
MRHQ16D-90S-N •	90°	400	0.014	16	6	
MRHQ16D-180S-N •	180°	±10°		10		
MRHQ20D-90S-N •	90°	±10°	0.034	20	10	
MRHQ20D-180S-N •	180°	±10°	0.034	20	10	
MRHQ25D-90S-N •	90°	400	0.074	25	44	
MRHQ25D-180S-N •	180°	±10°	0.074	25	14	

Single acting gripper optional

Possible auto switches (for rotary actuators)

3 wire solid state	NPN: D-M9NL-746, PNP: D-M9PL-746
2 wire solid state	D-M9BL-746

Possible auto switches (for gripper)

3 wire solid state	NPN: D-M9NVL, PNP: D-M9PVL
2 wire solid state	D-M9BVI



Parallel air gripper

MHZA2/MHZ2 Series



- Ø 6, 10, 16, 20, 25, 32, 40
- New mini gripper size Ø 6
- · High repeatability ±0,01 mm.

See next page for characteristics table.

	Action	Part number	Bore size [mm]	Gripping force [N] 1)	Opening/Closing stroke [mm]	Possible auto switches
Do	uble acting	MHZA2-6D •	6	3.3 (6.1) 2)	4	
Single acting (N.O.)		MHZA2-6S •	6	1.9	4	Without auto switch
Single acting (N.C.)		MHZA2-6C	6	3.7	4	
		MHZ2-6D •	6	3.3 (6.1) 2)	4	
		MHZ2-10D •	10	11 (17) 2)	4	
		MHZ2-16D •	16	34 (45) 2)	6	
Do	uble acting	MHZ2-20D •	20	42 (66) ²⁾	10	
		MHZ2-25D •	25	65 (104) ²⁾	14	
		MHZ2-32D •	32	158 (193) ²⁾	22	
		MHZ2-40D •	40	254 (318) ²⁾	30	
		MHZ2-6S •	6	1.9	4	
		MHZ2-10S •	10	7.1	4	0
		MHZ2-16S •	16	27	6	3 wire solid state/2 colour NPN: D-M9NWL
	Normally open	MHZ2-20S •	20	33	10	PNP: D-M9PWL
	open	MHZ2-25S •	25	45	14	2 wire solid state/2 colour
D _O		MHZ2-32S	32	131	22	D-M9BWL
Single acting		MHZ2-40S •	40	217	30	
<u>0</u>		MHZ2-6C •	6	(3.7) 2)	4	
Sing		MHZ2-10C •	10	(13) ²⁾	4	
0,	Name	MHZ2-16C •	16	(38) 2)	6	
	Normally closed	MHZ2-20C •	20	(57) ²⁾	10	
	0.0000	MHZ2-25C •	25	(83) ²⁾	14	
		MHZ2-32C •	32	(161) ²⁾	22	
		MHZ2-40C	40	(267) ²⁾	30	

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm, at centre of stroke.

Air gripper, wide type MHZL2 Series





- •Ø 10, 16, 20, 25.
- · Nearly double the standard stroke.

	Action	Part number	Bore size [mm]	Gripping force [N] 1)	Opening/Closing stroke [mm]	Possible auto switches
		MHZL2-10D •	10	11 (17) 2)	8	
Doub	le acting long	MHZL2-16D •	16	34 (45) 2)	12	
	stroke	MHZL2-20D •	20	42 (66) ²⁾	18	
		MHZL2-25D •	25	65 (104) ²⁾	22	Outing a district 10 and and
	Normally	MHZL2-10S •	10	7,1	8	3 wire solid state/2 colour NPN: D-M9NWI
		MHZL2-16S •	16	27	12	PNP: D-M9PWL
acting	open	MHZL2-20S •	20	33	18	2 wire solid state/2 colour
		MHZL2-25S	25	45	22	D-M9BWL
<u>0</u>		MHZL2-10C •	10	(13) 2)	8	
Single	Normally	MHZL2-16C •	16	(38) 2)	12	
	closed	MHZL2-20C •	20	(57) ²⁾	18	
		MHZL2-25C •	25	(85) 2)	22	

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm, at centre of stroke.

²⁾ Value in () for internal gripping.

²⁾ Value in () for internal gripping.

Parallel air gripper with dust cover

MHZAJ2/MHZJ2 Series





- Ø 6, 10, 16, 20, 25
- · Applicable in assembly lines, machine tool, etc
- Dust tight, drip proof construction
- · Dust cover material selectable.

Action	Part number	Bore size [mm]	Gripping force [N] 1)	Opening/Closing stroke [mm]	Possible auto switches	Dust cover material
Double acting	o noting		3.3 (6.1) ²⁾	4		
Single acting (N.O.)	MHZAJ2-6S	6	1.9	4	Without auto switch	
Single acting (N.C.)	MHZAJ2-6C	6	3.7	4		
	MHZJ2-6D •	6	3.3 (6.1) ²⁾	4		
	MHZJ2-10D	10	9.8 (17) ²⁾	4		Chloroprene rubber (CR)
Double acting	MHZJ2-16D •	16	30 (40) ²⁾	6		
	MHZJ2-20D	20	42 (66) ²⁾	10		
	MHZJ2-25D •	25	65 (104) ²⁾	14		
	MHZJ2-6S	6	1.9	4	3 wire solid state/2 colour NPN: D-M9NWL PNP: D-M9PWL	
	MHZJ2-10S •	10	6.3	4		
Normally open	MHZJ2-16S	16	24	6		
D Open	MHZJ2-20S	20	28	10	2 wire solid state/2 colour	
acting	MHZJ2-25S •	25	45	14	D-M9BWL	
Single	MHZJ2-6C •	6	(3.7) 2)	4		
Si	MHZJ2-10C •	10	(12) ²⁾	4		
Normally	MHZJ2-16C •	16	(31) 2)	6		
cioseu	MHZJ2-20C •	20	(56) ²⁾	10		
	MHZJ2-25C •	25	(83) ²⁾	14		

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm, at centre of stroke.

Low profile air gripper

MHF2 Series





- Sizes: Ø 8, 12, 16, 20 mm
- Repeatability up to: ± 0.05 mm
- · Low profile means minimal mounting space needed
- Choose from 3 different finger strokes
- · High precision linear guide
- · Double acting.

Action	Part number	Bore size [mm]	Gripping force [N] 1)	Opening/Closing stroke [mm]	Possible auto switches
	MHF2-8D •	8	19	8	
Short stroke	MHF2-12D •	12	48	12	
SHORE SHOKE	MHF2-16D •	16	90	16	
	MHF2-20D •	20	141	20	
	MHF2-8D1 •	8	19	16	3 wire solid state/2 colour
Medium stroke	MHF2-12D1 •	12	48	24	NPN: D-M9NWL PNP: D-M9PWL
Wedium stroke	MHF2-16D1 •	16	90	32	2 wire solid state/2 colour
	MHF2-20D1 •	20	141	40	D-M9BWL
	MHF2-8D2 •	8	19	32	
L on a strake	MHF2-12D2 •	12	48	48	
Long stroke	MHF2-16D2 •	16	90	64	
	MHF2-20D2 •	20	141	80	

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm, at centre of stroke.

²⁾ Value in () for internal gripping.

Wide type parallel style air gripper







- Sizes Ø 10, 16, 20, 25, 32,40 mm
- 3 gripper strokes are possible for each size
- · Synchronised gripper movement via rack pinion
- · Repeatability ±0.1 mm
- · Compact auto switches can be directly mounted without accessories
- · A scraper with a dust lip is adopted for all rod rotating parts.

Stroke	Part number	Bore size	Gripping force	Effective of	ppening/Closing st	roke [mm]	Possible auto switch
Stroke	Part number	[mm]	[N] 1)	L2-L1	L1	L2	Possible auto switch
	MHL2-10DZ	10	14	20	56	76	
	MHL2-16DZ •	16	45	30	68	98	
Short stroke	MHL2-20DZ	20	74	40	82	122	
Short stroke	MHL2-25DZ	25	131	50	100	150	
	MHL2-32D •	32	228	70	150	220	
	MHL2-40D •	40	396	100	188	288	
	MHL2-10D1Z •	10	14	40	78	118	3 wire solid state/
	MHL2-16D1Z •	16	45	60	110	170	2 colour
Medium	MHL2-20D1Z •	20	74	80	142	222	NPN: D-M9NWL PNP: D-M9PWL
stroke	MHL2-25D1Z •	25	131	100	182	282	2 wire solid state/
	MHL2-32D1 •	32	228	120	198	318	2 colour
	MHL2-40D1 •	40	396	160	246	406	D-M9BWL
	MHL2-10D2Z •	10	14	60	96	156	
	MHL2-16D2Z •	16	45	80	130	210	
Long stroke	MHL2-20D2Z •	20	74	100	162	262	
Long stroke	MHL2-25D2Z •	25	131	120	200	320	
	MHL2-32D2 •	32	228	160	242	402	
	MHL2-40D2 •	40	396	200	286	486	

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=40 mm, at centre of stroke.

Rotary actuated air gripper, 2 fingers

MHR2/MDHR2 Series





- Ø 10, 15, 20, 30.
- · Model has parallel gripper movement for external and internal gripping
- · Gripper finger movement guided with precision by cross roller bearing
- · Driven by vane type rotary actuator
- · 4 sizes for handling smaller components
- · Double acting
- Repeatability of ±0.01 mm
- Auto switch for end position detection can be integrated into the body (Ø 15 to Ø 30).

Action	Part number	Bore size [mm]	Gripping force [N] 1)	Opening/Closing stroke [mm]	Possible auto switches
	MHR2-10R •	10	12 (12)	6	
Double acting	MHR2-15R •	15	24 (25)	8	Without auto switch
without magnet	MHR2-20R •	20	33 (34)	12	Without auto switch
	MHR2-30R •	30	58 (59)	18	
	MDHR2-10R •	10	12 (12)	6	3 wire solid state
Double acting	MDHR2-15R •	15	24 (25)	8	NPN: D-M9NL
with magnet	MDHR2-20R •	20	33 (34)	12	PNP: D-M9PL 2 wire solid state
	MDHR2-30R ●	30	58 (59)	18	D-M9BL

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm, at centre of stroke. Value in () for internal gripping.

Rotary actuated air gripper,

3 fingers

MHR3/MDHR3 Series





- Ø 10, 15
- · Driven by vane type rotary actuator
- · 2 sizes for handling small components
- · Gripper movement guided with precision by cross roller bearing
- Repeatability of ±0.01 mm
- · Low profile, all types of mounting options
- · Auto switch for end position detection can be integrated into the body.

Action	Part number	Bore size [mm]	Gripping force [N] 1)	Opening/Closing stroke [mm]	Possible auto switches	
Double acting	MHR3-10R •	10	7 (6.5)	6	Without auto switch	
without magnet	MHR3-15R •	15	13 (12)	8	Without auto switch	
	MDHR3-10R •	10	7 (6.5)	6	3 wire solid state	
Double acting with magnet	MDHR3-15R ●	15	13 (12)	8	NPN: D-M9NL PNP: D-M9PL 2 wire solid state D-M9BL	

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm, at centre of stroke. Value in () for internal gripping.

Wedge cam operation slide guide

air gripper

MHK2/MHKL2 Series





- Ø 12, 16, 20, 25
- · Gripper fingers have robust slide bearing
- Elastic guide cover in 3 different materials as protection against soiling by dust, chips, liquids, etc
- 2 series: MHK2 standard, MHKL2 larger finger opening stroke.

Standard

	Action	Part number	Bore size [mm]	Gripping force [N] external (internal) 1)	Opening/Closing stroke [mm]	Possible auto switches
		MHK2-12D •	12	15 (16)	4	
Do	ubla aatina	MHK2-16D •	16	31 (36)	6	
DO	uble acting	MHK2-20D •	20	46 (56)	10	
		MHK2-25D •	25	80 (86)	14	3 wire solid
	Normally	MHK2-12S •	12	9	4	state NPN: D-M9NI
		MHK2-16S •	16	23	6	PNP: D-M9PL
acting	open	MHK2-20S •	20	34	10	2 wire solid
		MHK2-25S •	25	58	14	state D-M9BL
Single		MHK2-12C •	12	(12)	4	D-IVISBE
Sin	Normally	MHK2-16C •	16	(25)	6	
	closed	MHK2-20C •	20	(44)	10	
		MHK2-25C •	25	(73)	14	



Long opening stroke

	.9 opo	mg ou one				
		MHKL2-12D •	12	14 (16)	11	
D-	de la casa	MHKL2-16D •	16	27 (30)	14	
DO	uble acting	MHKL2-20D •	20	45 (53)	18	
		MHKL2-25D •	25	79 (90)	22	3 wire solid
	Normally open	MHKL2-12S	12	9	11	state NPN: D-M9NL
		MHKL2-16S	16	17	14	PNP: D-M9PL
acting		MHKL2-20S	20	32	18	2 wire solid
		MHKL2-25S •	25	53	22	state D-M9BL
Single		MHKL2-12C	12	(11)	11	D-IVISBL
Sin	Normally	MHKL2-16C	16	(22)	14	
	closed	MHKL2-20C •	20	(40)	18	
		MHKL2-25C	25	(63)	22	

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm, at centre of stroke. Value in () for internal gripping.

2, 3, 4 finger air gripper

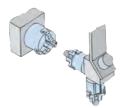
MHS2/MHS3/MHS4 Series







- Ø 16, 20, 25, 32, 40, 50, 63 (2 and 4 finger)
- Ø 16, 20, 25, 32, 40, 50, 63, 80, 100, 125 (3 finger)
- · For internal and external gripping
- Repeatability ± 0.01 mm
- Auto switch can be integrated into body.



Action	Part number	Bore size [mm]	Gripping force [N] 1) external (internal)	Opening/closing stroke (dia.) [mm]	Possible auto switches	
	MHS2-16D •	16	21 (23)	4		
	MHS2-20D •	20	37 (42)	4		
5	MHS2-25D •	25	63 (71)	6		
Double acting 2 finger	MHS2-32D •	32	111 (123)	8		
2 miger	MHS2-40D •	40	177 (195)	8		
	MHS2-50D •	50	280 (306)	12		
	MHS2-63D •	63	502 (537)	16		
	MHS3-16D •	16	14 (16)	4		
	MHS3-20D •	20	25 (28)	4		
	MHS3-25D •	25	42 (47)	6		
	MHS3-32D •	32	74 (82)	8	3 wire solid state/2 colour	
Double acting	MHS3-40D •	40	118 (130)	8	NPN: D-M9NWL PNP: D-M9PWL	
3 finger	MHS3-50D •	50	187 (204)	12	2 wire solid state/2 colour	
	MHS3-63D •	63	335 (359)	16	D-M9BWL	
	MHS3-80D •	80	500 (525)	20		
	MHS3-100D •	100	750 (780)	24		
	MHS3-125D •	125	1270 (1320)	32		
	MHS4-16D •	16	10 (12)	4		
	MHS4-20D •	20	19 (21)	4		
S	MHS4-25D •	25	31 (35)	6		
Double acting 4 finger	MHS4-32D •	32	55 (61)	8		
- miger	MHS4-40D •	40	88 (97)	8		
	MHS4-50D •	50	140 (153)	12		
	MHS4-63D •	63	251 (268)	16		

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm (Ø 16 to Ø 25), L= 30 mm (Ø 32 to Ø 63), L= 50 mm (Ø 80 to Ø 125), value in () for internal gripping.

long opening/Closing stroke MHSL3 Series





3 finger parallel air gripper with

- Ø 16, 20, 25, 32, 40, 50, 63, 80, 100, 125
- · Opening/closing stroke over double the standard MHS3 series
- Same mounting holes as MHS3, so interchangeable (lengths and Ø differ)
- Repeatability ±0.01 mm.

Action	Part number	Bore size	Bore size Gripping for		Opening/Closing	Possible auto switches
ACTION	ran number	[mm]	External	Internal	stroke (dia.) [mm]	Possible auto switches
	MHSL3-16D	16	14	16	10	
	MHSL3-20D •	20	25	28	10	
	MHSL3-25D •	25	42	47	12	3 wire solid state NPN: D-M9NL PNP: D-M9PL 2 wire solid state D-M9BL
	MHSL3-32D •	32	74	82	16	
Double acting	MHSL3-40D •	40	118	130	20	
3 finger	MHSL3-50D •	50	187	204	28	
	MHSL3-63D	63	335	359	32	
	MHSL3-80D	80	500	525	40	
	MHSL3-100D •	100	750	780	48	
	MHSL3-125D	125	1270	1320	64	

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm (Ø 16 to Ø 25), L= 30 mm (Ø 32 to Ø 63), L= 50 mm (Ø 80 to Ø 125)

3 finger parallel air gripper with

dust cover

MHSJ3 Series





Action	Part number	Bore size [mm]	Gripping force [N] 1) External gripping	Gripping force [N] 1) Internal gripping	Opening/Closing stroke (dia.) [mm]
	MHSJ3-16D •	16	9	16	4
	MHSJ3-20D •	20	21	28	4
	MHSJ3-25D	25	36	47	6
3 finger parallel	MHSJ3-32D •	32	62	82	8
gripper	MHSJ3-40D	40	97	130	8
5	MHSJ3-50D •	50	155	204	12
	MHSJ3-63D •	63	280	359	16
	MHSJ3-80D •	80	400	525	20

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm (Ø 16 to Ø 25), L= 30 mm (Ø 32 to Ø 63), L= 50 mm (Ø 80).

Possible auto switches

3 wire solid state/2 colour PNP	D-M9PWL
3 wire solid state/2 colour NPN	D-M9NWL

Dust cover

_	Chloroprene rubber (CR) standard
F	Fluoro rubber (FKM)
S	Silicone rubber (SI)

Depending on the cover's material, the order code is after the model number.

3 finger parallel air gripper through

hole type MHSH3 Series



- Through holes are standard, cover cap and centre pusher can be attached individually
- · Centre pusher can be operated pneumatically or using spring force
- · Dust cover cap same as MHSJ3.

Possible auto switches

3 wire solid state/2 colour PNP	D-M9PWL
3 wire solid state/2 colour NPN	D-M9NWL

Action	Part number	Bore size [mm]	Gripping force [N] 1) External gripping	Gripping force [N] 1) Internal gripping	Opening/Closing stroke (dia.) [mm]
	MHSH3-16D •	16	9	15	4
	MHSH3-20D •	20	21	26	4
	MHSH3-25D •	25	36	45	6
O finance novellel asimpos	MHSH□3-32D	32	62	77	8
3 finger parallel gripper	MHSH□3-40D	40	97	118	8
	MHSH□3-50D	50	155	187	12
	MHSH□3-63D	63	280	329	16
	MHSH□3-80D	80	400	490	20

[☐] J...for version with dust cover.

2 finger angular air gripper



- Ø 10, 16, 20, 25
- Repeatability ± 0.01 mm
- · Compact body design
- · Auto switch can be integrated into body.

• Angular style air gripper Series MHC now also available in Ø 6 size Series MHCM2 now available for further miniaturization.

Action	Part number	Bore size [mm]	Gripping moment per finger [Nm] ¹⁾	Opening/Closing angle	Possible auto switches	
	MHC2-10D •	10	0.1			
Davids a setime	MHC2-16D •	16	0.39		3 wire solid state/2 colour NPN: D-M9NWL PNP: D-M9PWL 2 wire solid state/2 colour D-M9BWL	
Double acting	MHC2-20D •	20	0.70	+30° ~ -10°		
	MHC2-25D •	25	1.36			
	MHC2-10S •	10	0.07			
	MHC2-16S •	16	0.31			
	MHC2-20S •	20	0.54			
	MHC2-25S •	25	1.08			

¹⁾ Per finger at 0.5 MPa

2 finger angular air gripper

MHC2/MHCA2/MHCM2 Series









Action	Part number	Bore size [mm]	Gripping moment per finger [Nm] ¹⁾	Opening/Closing angle	Possible auto switches
Double acting	MHC2-6D •	6	0.038		(Perp., In-line)
Single acting (normally open)	MHC2-6S	6	0.024	+30° ~ -10°	3 wire solid state NPN: M9NV, M9N PNP: M9PV, M9P 2 wire solid state M9BV, M9B
Double acting	MHCA2-6D •	6	0.038	+30° ~ -10°	
Single acting (normally open)	MHCA2-6S	6	0.024	+30 ~ -10	Without auto switch
	MHCM2-7S •	7	0.017	+20° ~ -7°	

¹⁾ Per finger at 0.5 MPa

¹⁾ Values based on pressure of 0.5 MPa, gripping point L=20 mm (Ø 16 to Ø 25), L= 30 mm (Ø 32 to Ø 63), L= 50 mm (Ø 80).

Toggle type air gripper

MHT2 Series





	Action	Part number	Bore size [mm]	Gripping moment per finger [Nm] 1)	Opening/Closing angle	Possible auto switches
		MHT2-32TFDZ •	32	12.4	+28° ~ -3°	Reed: D-A93L
	Davids a setimo	MHT2-40TFDZ	40	36	+27° ~ -3°	3 wire solid state/2 colour
	Double acting	MHT2-50TFDZ •	50	63	+23° ~ -2°	NPN: D-M9NWL PNP: D-M9PWI
		MHT2-63TFDZ	63	106	+23° ~ -2°	2 wire solid state/2 colour D-M9BWL

¹⁾ Per finger at 0.5 MPa

180° angular air gripper, cam type

MHY2 Series



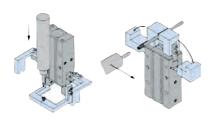
· Synchronous rotary movement via crank drive with large holding moment

• The toggle mechanism holds workpiece even when pressure drops.

· Auto switch can be integrated into body.

Action	Part number	Bore size [mm]	Gripping moment per finger [Nm] 1)	Opening/Closing angle	Possible auto switches
Double acting 180° opening angle	MHY2-10D •	10	0.16	+180° ~ -3°	3 wire solid state/2 colour
	MHY2-16D •	16	0.54	+180° ~ -3°	NPN: D-M9NWL
	MHY2-20D •	20	1.10	+180° ~ -3°	PNP: D-M9PWL 2 wire solid state/2 colour
	MHY2-25D •	25	2.28	+180° ~ -3°	D-M9BWL

1) Per finger at 0.5 MPa



180° angular air gripper, rack and pinion type

MHW2 Series

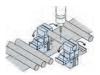


- Robust, rack and pinion actuator for synchronous rotary movements of the gripper fingers
- · Auto switch can be integrated into body
- · Insensitive to dirt as body is almost completely enclosed.

Action	Part number	Bore size [mm]	Gripping moment per finger [Nm] 1)	Opening/Closing angle	Possible auto switches
	MHW2-20D •	20	0.30	+180° ~ -5°	
Dauble seties	MHW2-25D •	25	0.73	+180° ~ -6°	3 wire solid state/2 colour NPN: D-M9NWI
Double acting 180° opening angle	MHW2-32D •	32	1.61	+180° ~ -5°	PNP: D-M9PWL
	MHW2-40D •	40	3.70	+180° ~ -5°	2 wire solid state/2 colour D-M9BWI
	MHW2-50D •	50	8.27	+180° ~ -4°	B MOSTIE

¹⁾ Per finger at 0.5 MPa





Rotary gripper

MRHQ Series





- Ø 10,16, 20, 25
- Compact combination of gripping and rotating function
- · Simple piping/wiring from one side
- Length approx. 20 % shorter compared to previous product-combination with adapter plate
- Rotation angles of 90° and 180° are available
- The standard model with magnets allows the retrofitting of auto switches
- Both and positions adjustable by ±5°.

	Rotary actuator			Gripper		Thread	
Part number	Rotation angle	Angle adjustment	Allowable kinetic energy [J]	Cylinder bore [mm]	Opening/Closing stroke [mm]	connection	
MRHQ10D-90S-N •	90°	±10°	0.0046	10	4		
MRHQ10D-180S-N •	180°		0.0046				
MRHQ16D-90S-N •	90°	±10°	. 400	0.014	16	6	
MRHQ16D-180S-N •	180°		0.014	10	0	M5	
MRHQ20D-90S-N •	90°	±10°	400	0.034	20	10	CIVI
MRHQ20D-180S-N •	180°		0.034	20	10		
MRHQ25D-90S-N •	90°	±10°	0.074	25	14		
MRHQ25D-180S-N •	180°		0.074	25	14		

Single acting gripper optional

Possible auto switches (for rotary actuators)

3 wire solid state	NPN: D-M9NL-746, PNP: D-M9PL-746
2 wire solid state	D-M9BL-746

Possible auto switches (for gripper)

3 wire solid state	NPN: D-M9NVL, PNP: D-M9PVL
2 wire solid state	D-M9BVL

Our highlighted product for you

Magnetic gripper

MHM-X6400 Series







- · Holding force up to 120 N
- · Holds workpieces even when air is shut off
- · Residual holding force 0.3 N or less
- · Holding force can be adjusted changing the bumper
- · Bumper is made of fluororubber
- · Mountable on 3 surfaces
- · Auto switches can be mounted.

Part number	Thread port	Holding force 1)	
MHM-32D1-X6400 •		80 N	
MHM-32D2-X6400	R 1/8	50 N	
MHM-32D3-X6400		30 N	

¹⁾ Workpiece thickness: 6 mm

Possible auto switches

Solid state switch	D-M9BV
	D-M9NV
	D-M9PV
	D-M9BWV
Solid state switch (2-colour indication)	D-M9NWV
(2-colour maleation)	D-M9PWV
Solid state switch Water resistant	D-M9BAV
	D-M9NAV
(2-colour indication)	D-M9PAV
Magnetic field resistant	D-P3DWA
2-colour indication type	D-P3DWASC
Solid state auto switch	D-P3DWASE

Bumper order number

Model	Holding force
MHM-A3201-1-X6400	80 N
MHM-A3201-2-X6400	50 N
MHM-A3201-3-X6400	30 N