

Parallel Style Air Gripper

Series *MHQ2-6*

ø6 (Please refer to new series MHZ)

Ideal for high precision automatic assembly of small work pieces. Ultra compact with a body width of only 10mm.

Solid state switches with indicator light can be mounted.

High level of repeatability and long operating life of over 10 million cycles.



The overall length of MHQ2-6□□□-X17 is 9mm shorter than that of the standard model, enabling the end boss option.



Specifications

Fluid			Air
Operating pressure	Double acting		0.15 to 0.6MPa
	Single acting	Normally open	0.3 to 0.6MPa
		Normally closed	
Ambient and fluid temperature			−10 to 60°C
Repeatability			±0.01mm
Max. operating frequency			180c.p.m
Lubrication			Not required
Action			Double acting, Single acting
Auto switch (Option) ⁽¹⁾			Solid state switch: D-F9N(V), D-F9P(V), D-F9B(V)



¹⁾ Refer to p.2.11-25 for auto switch specifications.

Model

Action		Model	Bore size (mm)	Holding force ⁽¹⁾ (Effective value) (N)	Opening/closing stroke (Both sides) (mm)	Weight ⁽²⁾ (g)
Double acting		MHQ2-6D	6	External hold: 3.3 Internal hold: 6.1	4	29
Single acting	Normally open	MHQ2-6S	6	External hold: 1.9 Internal hold: 1.1	4	29
	Normally closed	MHQ2-6C	6	External hold: 2.1 Internal hold: 3.7	4	29



¹⁾ Values at 0.5MPa. Represent both external and internal holding force for double acting, external holding force for single acting normally open and internal holding force for single acting normally closed. However, the internal holding force of MHQ2-6S and external holding force of MHQ2-6C are generated by the spring return force.

²⁾ Except weight of auto switches.

³⁾ Refer to the separate catalogue CAT. E230 for details.

Made to Order Specifications: -X17

Action		Double acting	Single acting	
			Normally open	Normally closed
Model		MHQ2-6D□□-X17	MHQ2-6S□□-X17	MHQ2-6C□□-X17
Bore size(mm)		6		
Holding force (Effective value) (N) at 0.5MPa, L=20mm	External hold	3.3	1.9	2.1
	Internal hold	6.1	1.1	3.7
Opening/closing stroke (Both sides) (mm)		4		
Weight (g)		27		

High Rigidity Style

Series *MHQG2*

ø32, ø40 (Please refer to new series MHZ)

Provided with a guide holder.

Solid state switches with indicator light can be mounted.



Specifications

Fluid			Air
Operating pressure	Double acting		0.1 to 0.6MPa
	Single acting	Normally open	0.25 to 0.6MPa
		Normally closed	
Ambient and fluid temperature			−10 to 60°C
Repeatability			ø32/40: ±0.02mm
Max. operating frequency			ø32/40: 60c.p.m
Lubrication			Not required
Action			Double acting, Single acting
Auto switch (Option) ⁽¹⁾			Solid state switch: D-Y59 ^A , D-Y69 ^A



¹⁾ Refer to p.2.11-26 for auto switch specifications.

Model

Action		Model	Bore size (mm)	Holding force ⁽¹⁾ (Effective value) (N)	Opening/closing stroke (Both sides) (mm)	Weight ⁽²⁾ (g)
Double acting		MHQG2-32D	32	External hold: 88 Internal hold: 139	20	1100
		MHQG2-40D	40	External hold: 158 Internal hold: 247	28	1940
Single acting	Normally open	MHQG2-32S	32	69	20	1110
		MHQG2-40S	40	130	28	1960
	Normally closed	MHQG2-32C	32	127	20	1110
		MHQG2-40C	40	227	28	1960



¹⁾ Values at 0.5MPa. Represent both external and internal holding force for double acting, external holding force for single acting normally open and internal holding force for single acting normally closed.

²⁾ Except weight of auto switches

³⁾ Refer to CAT. E230 for details.

MHZ

MHQ

MHL2

MHR

MHK

MHS

MHC2

MHT2

MHY2

MHW2

MRHQ

Auto Switch

With Dust Cover

Series MHQJ2

ø10, ø16, ø20, ø25 (Please refer to new series MHZ)

Air gripper with dust proof and drip proof construction.

Enclosed to prevent accumulation of dust.

Sealed construction with a dust cover.

Three dust cover materials are available to suit your applications.

Solid state switches with indicator light can be mounted.



Specifications

Fluid			Air
Operating pressure	Double acting		0.1 to 0.6MPa
	Single acting	Normally open	0.25 to 0.6MPa
		Normally closed	
Ambient and fluid temperature			−10 to 60°C
Repeatability			±0.01mm
Max. operating frequency			180c.p.m
Lubrication			Not required
Action			Double acting, Single acting
Auto switch (Option) ⁽¹⁾			Solid state switch: D-F9N(V), D-F9P(V), D-F9B(V)



¹⁾ Refer to p.2.11-25 for auto switch specifications.

Model

Action		Model	Bore size (mm)	Holding force ⁽¹⁾ (Effective value) (N)	Opening/closing stroke (Both sides) (mm)	Weight ⁽²⁾ (g)
Double acting		MHQJ2-10D	10	11	4	90
		MHQJ2-16D	16	34	6	180
		MHQJ2-20D	20	42	10	340
		MHQJ2-25D	25	63	14	640
Single acting	Normally open	MHQJ2-10S	10	7.8	4	90
		MHQJ2-16S	16	26	6	181
		MHQJ2-20S	20	33	10	342
		MHQJ2-25S	25	49	14	643
	Normally closed	MHQJ2-10C	10	7.8	4	90
		MHQJ2-16C	16	26	6	181
		MHQJ2-20C	20	33	10	342
		MHQJ2-25C	25	49	14	643



¹⁾ Values at 0.5MPa. Represent both external and internal holding force for double acting, external holding force for single acting normally open and internal holding force for single acting normally closed.

²⁾ Except weight of auto switches.

³⁾ Refer to CAT. E230 for details.