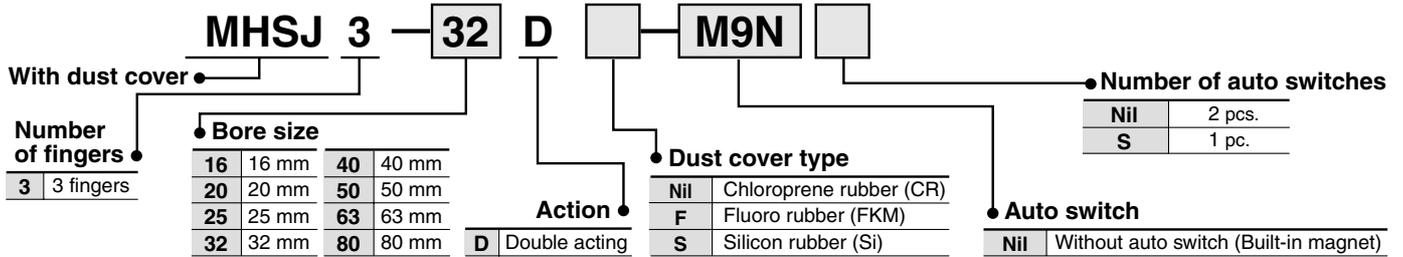


Parallel Style Air Gripper With Dust Cover

Series MHSJ3

Size: 16, 20, 25, 32, 40, 50, 63, 80

How to Order



Applicable Auto Switch/Refer to page 12-13-1 for further information on auto switches

Type	Special function	Electrical entry	Indicator light	Wiring (Output)	Load voltage		Auto switch model		Lead wire length (m)*			Flexible lead wire (-61)	Applicable load	Applicable model		Pre-wire connector	
					DC	AC	Electrical entry		0.5 (Nil)	3(L)	5(Z)			ø16	ø20 to ø80		
							Perpendicular	In-line									
Solid state switch	—	Grommet	Yes	3-wire (NPN)	24 V	5 V	—	M9NV	M9N	●	●	○	Standard	Relay, PLC	●	●	○
				3-wire (PNP)				M9PV	M9P	●	●	○			●	●	○
				2-wire				M9BV	M9B	●	●	○			●	●	○
				3-wire (NPN)				F9NWV	F9NW	●	●	○			○	●	○
				3-wire (PNP)				F9PWV	F9PW	●	●	○			○	●	○
				2-wire				F9B WV	F9BW	●	●	○			○	●	○
	Diagnostic indication (2-color indication)	Grommet	Yes	2-wire	12 V	—	—	—	F9BA	—	●	○	○	○	●	●	○
	Water resistant (2-color indication)							—	—	—	—	—	—	—	—	—	—

* Lead wire length symbols: 0.5 m Nil (Example) M9BV
 3 m L (Example) M9NL
 5 m Z (Example) Y59AZ

Note) Take note of hysteresis with 2-color indication type switches. Refer to page 12-7-62 for detailed auto switch specifications.

* Auto switches marked with a "○" symbol are produced upon receipt of order.



Refer to page 12-13-25 for solid state switch with pre-wire connector.

Model/Specifications



Model	MHSJ3-16D	MHSJ3-20D	MHSJ3-25D	MHSJ3-32D	MHSJ3-40D	MHSJ3-50D	MHSJ3-63D	MHSJ3-80D	
Bore size (mm)	16	20	25	32	40	50	63	80	
Fluid	Air								
Operating pressure (MPa)	0.2 to 0.6				0.1 to 0.6				
Ambient and fluid temperature (°C)	-10 to 60								
Repeatability (mm)	±0.01								
Max. operating frequency (c.p.m.)	120				60			30	
Lubrication	Not required								
Action	Double acting								
Effective gripping force (N) at 0.5 MPa ⁽¹⁾	External grip	9	21	36	62	97	155	280	400
	Internal grip	16	28	47	82	130	204	359	525
Opening/Closing stroke (mm) (dia.)	4	4	6	8	8	12	16	20	
Weight (g)	95	150	230	440	620	1,050	1,800	3,200	

Note 1) Values for ø16 to ø25 are with gripping point L = 20 mm, and for ø32 to ø63 with gripping point L = 30 mm, and ø80 is L = 50 mm. Refer to "Effective Gripping Force" data on pages 12-7-25 through 12-7-27 for the gripping force at each gripping position.

Note 2) Open and closed diameter values apply for external gripping of workpieces.