

ADQM series

3-Finger Air Gripper with Dust Cover



Feature

- Wedge slider type
- 3 finger clamp
- Large output and good stability

Specification

Item	Bore size (mm)	Ø25	Ø32	Ø40	Ø50	
Action		Double acting				
Fluid		Air				
Pressure range	kgf / cm ² (kPa)	3 ~ 6 (300 ~ 600)				
Ambient and fluid temperature	°C	0 ~ 60				
Max. operating frequency	time/min	120	60			
Lubrication		Lubrication free type				
Gripping force	External grip	N	30	70	131	282
	Internal grip	N	35	82	149	314
Opening/ closing stroke	mm	6	8	8	12	
Port size		M5X0.8P				
Sensing device		With magnet				

Note: Gripping force is with pressure 5kgf / cm² and gripping point = 20 mm.

Product weight

Model	ADQM Ø25	ADQM Ø32	ADQM Ø40	ADQM Ø50
Weight (kg)	0.146	0.295	0.378	0.561

Note: All of above are theoretical data. Weight tolerance about±5%

Code of order

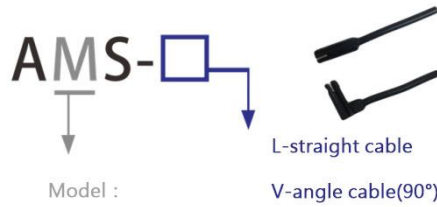
ADQM-25-AMS-L-2

① ② ③

①

Mark	Bore size (mm)
25	Ø25
32	Ø32
40	Ø40
50	Ø50

②



Model :
M-2 wire Without contact
N-3 wire Without contact(NPN)
P-3 wire Without contact(PNP)
wire length-L : 2000mm

③

Mark	Sensor quantity
1	With 1 sensor switche
2	With 2 sensor switches

Operating type and data

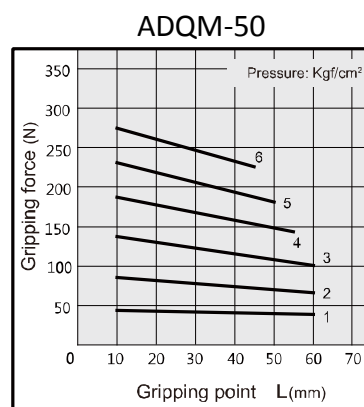
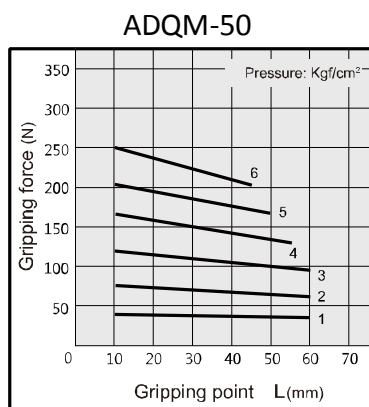
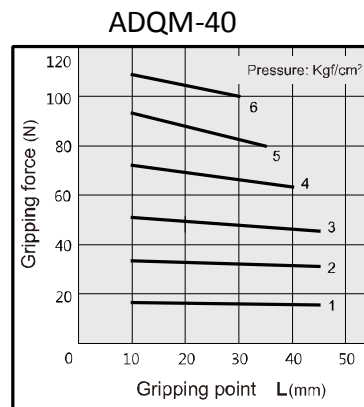
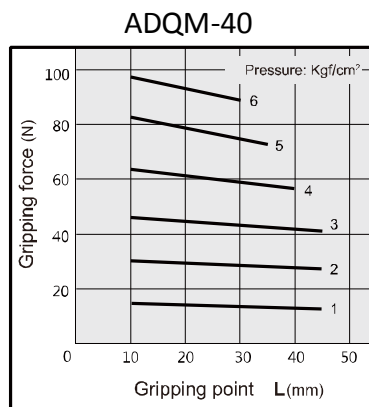
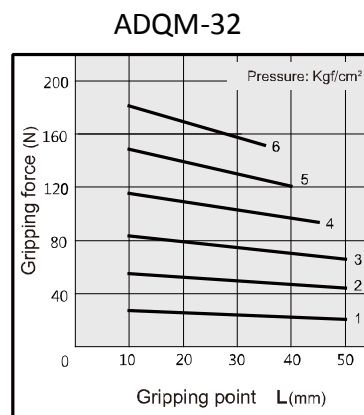
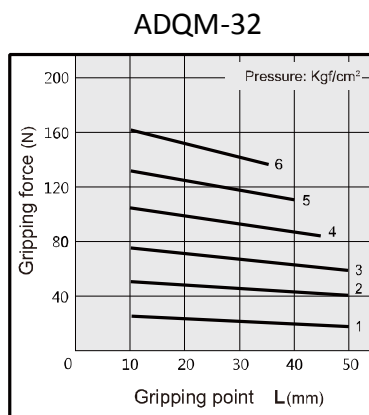
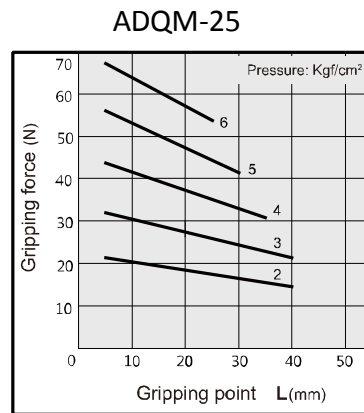
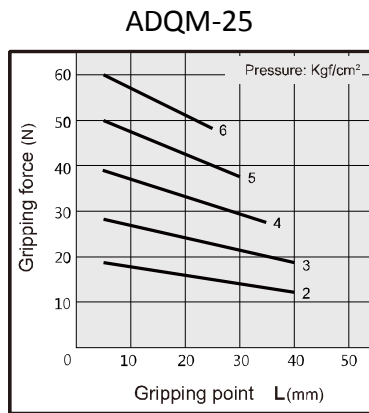
Model	The smallest operating pressure (kgf/cm ²)	Thread port (mm)	Effective gripping force (N)	
			Open	Close
ADQM 25	2.2	6-M3x0.5P	Open	35
			Close	30
ADQM 32	1.5	6-M4x0.7P	Open	82
			Close	70
ADQM 40	1.5	6-M4x0.7P	Open	149
			Close	131
ADQM 50	1.5	6-M5x0.8P	Open	314
			Close	282

Note: The gripping force is the force of open and close gripper which in the length of gripping point is 20mm and acting pressure is 5 kgf/cm².

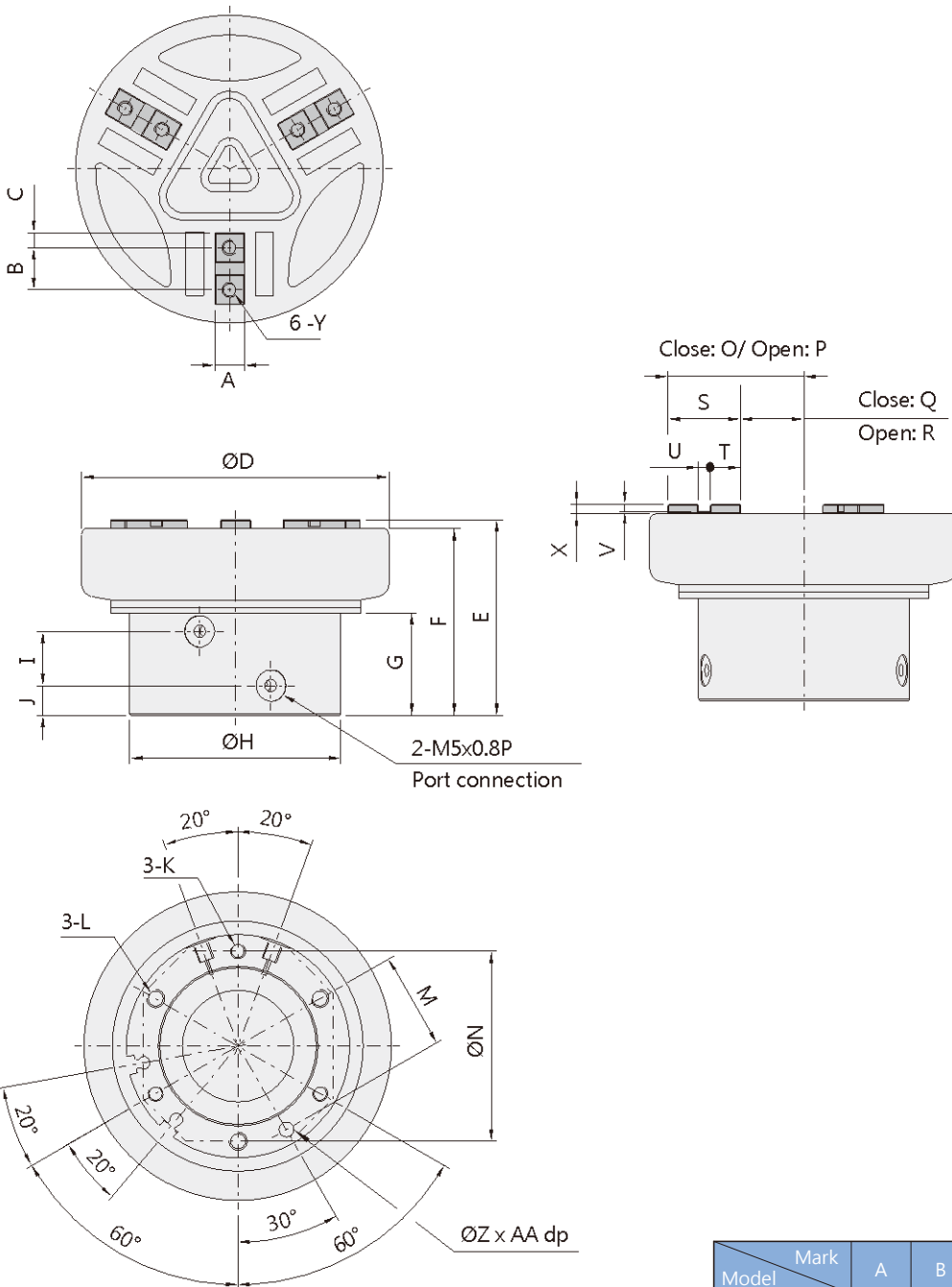
Characteristics graph

■ External grip

■ Internal grip



Dimensions



Unit: mm

Mark / Model	A	B	C	D	E	F
ADQM 25	6.2	8	3	64	50	46.9
ADQM 32	8	11	4.5	76	52.8	49.8
ADQM 40	8	12	4.5	84	57.8	54.8
ADQM 50	10	14	5	102	65	62

Unit: mm

Mark / Model	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	X	Y	Z	AA
ADQM 25	27.2	44	10.9	9	M3x0.5P	M4x0.7P	18	35.5	23.5	26.5	9.5	12.5	14	6	2	2.2	3.1	M3x0.5Px8dp	3	3
ADQM 32	27.9	54	11.9	8.7	M4x0.7P	M5x0.8P	22	44	31.5	35.5	11.5	15.5	19.5	8.7	2	2	3	M4x0.7Px8dp	4	4
ADQM 40	30.3	62	13.5	9.5	M4x0.7P	M5x0.8P	26.25	52.5	36	40	15	19	21	9	3	2.2	3	M4x0.7Px9dp	4	4
ADQM 50	34	74	18	10	M5x0.8P	M6x1.0P	32	63	42	48	18	24	24	10	4	2.2	3	M5x0.8Px11dp	5	5