

ADQT series

3-Finger Through-hole Type

Air Gripper



Feature

- Wedge slider type
- Hollow type
- 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	37	62	95	159
	Internal grip	N	42	65	103	164
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	ADQT Ø25	ADQT Ø32	ADQT Ø40	ADQT Ø50
Weight (kg)	0.14	0.29	0.37	0.55

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

Code of order

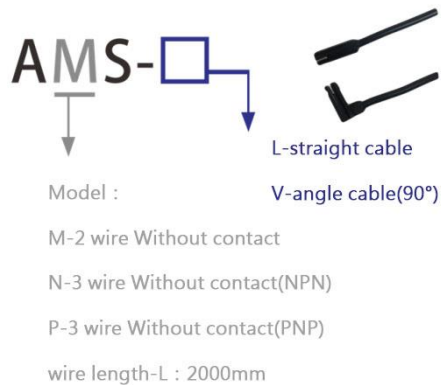
ADQT-25-AMS-L-2

① ② ③

①

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

②



③

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

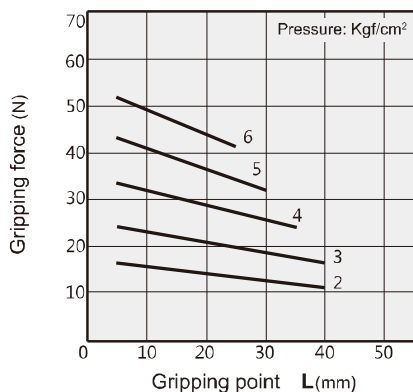
Operating type and data

Model	The smallest operating pressure (kgf/cm ²)	Thread port (mm)	Effective gripping force (N)	
			Open	Close
ADQT 25	2.2	6-M3x0.5P	Open	42
			Close	37
ADQT 32	1.5	6-M4x0.7P	Open	65
			Close	62
ADQT 40	1.5	6-M4x0.7P	Open	103
			Close	95
ADQT 50	1.5	6-M5x0.8P	Open	164
			Close	159

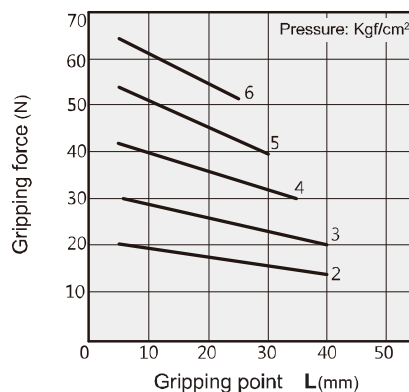
Note: The gripping force is the force of open and close gripper which in the length of gripping point is 20mm and acting pressure is 5 kgf/cm².

Characteristics graph

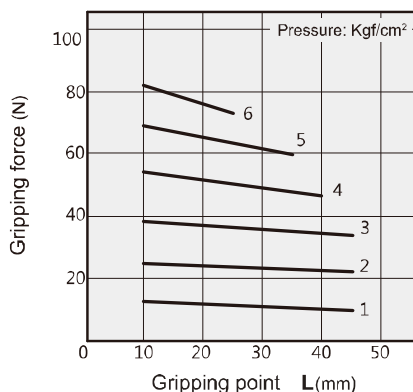
ADQT 25 - CLOSE



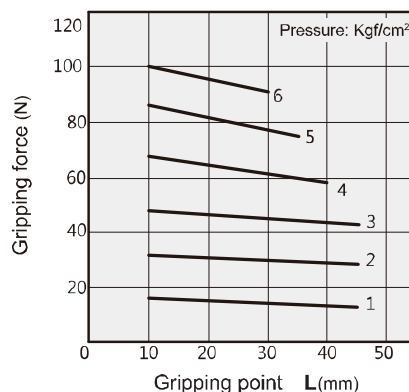
ADQT 25 - OPEN



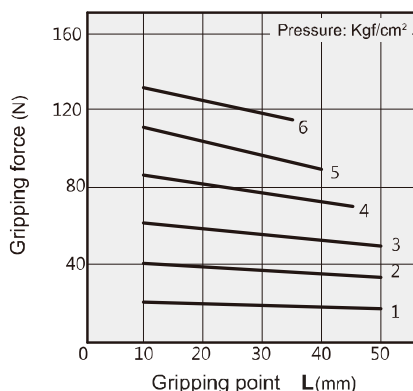
ADQT 32 - CLOSE



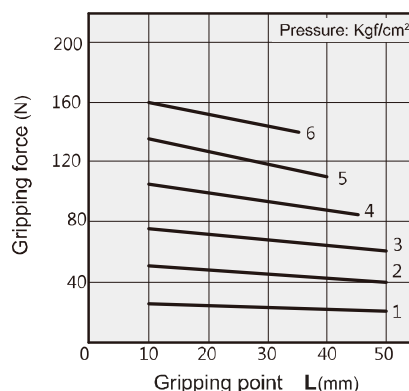
ADQT 32 - OPEN



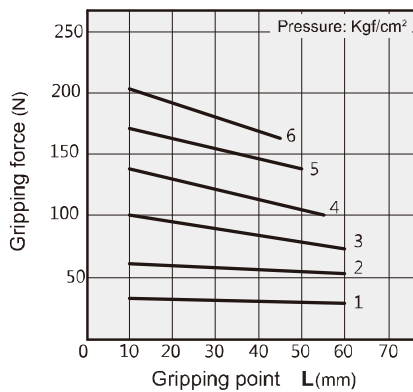
ADQT 40 - CLOSE



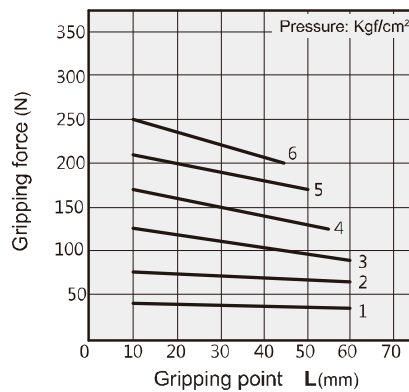
ADQT 40 - OPEN



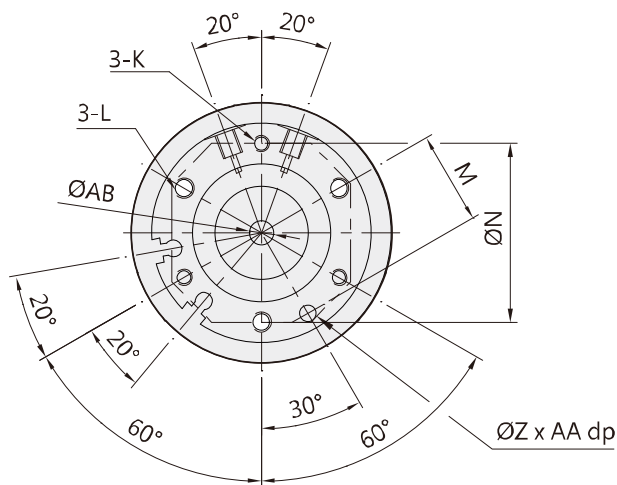
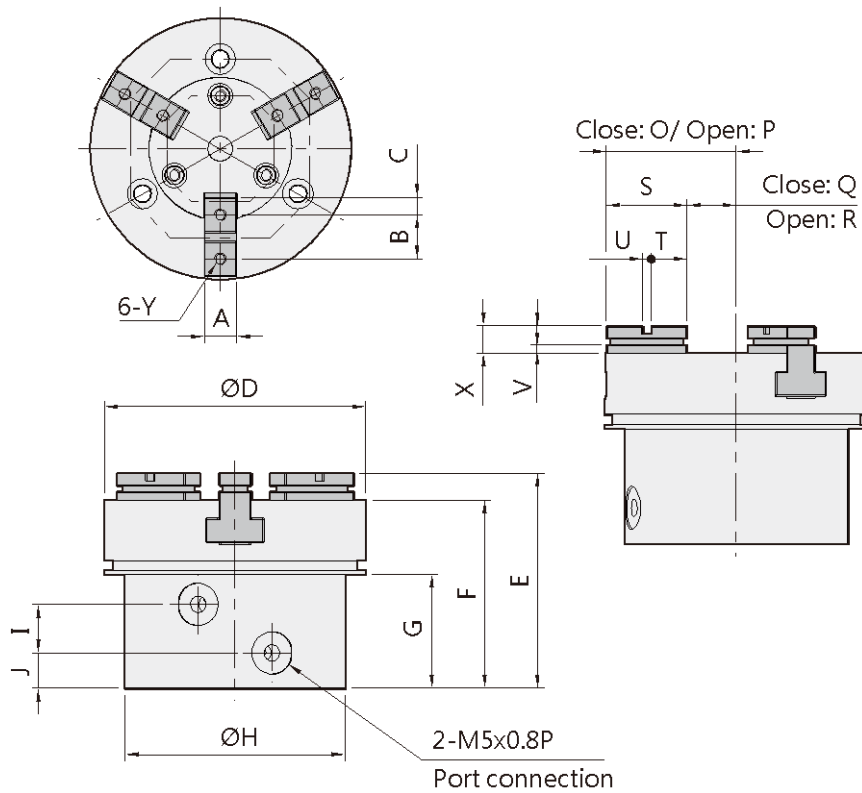
ADQT 50 - CLOSE



ADQT 50 - OPEN



Dimensions



Unit: mm

Model	Mark	A	B	C	D	E	F	G	H
ADQT 25		6.2	8	3	49	50	43.4	27.2	44
ADQT 32		8	11	4.5	64	52.8	46.2	27.9	54
ADQT 40		8	12	4.5	72	57.8	51.3	30.3	62
ADQT 50		10	14	5	83	65	57.5	34	74

Unit: mm

Model	Mark	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	X	Y	Z	AA	AB
ADQT 25		10.9	9	M3x0.5Px10dp	M4x0.7Px12dp	18	35.5	23.5	26.5	9.5	12.5	14	6	2	2.2	6.6	M3x0.5Px8dp	3	3	4
ADQT 32		11.9	8.7	M4x0.7Px10dp	M5x0.8Px10dp	22	44	31.5	35.5	11.5	15.5	19.6	8.7	2	2	6.6	M4x0.7Px8dp	4	4	6
ADQT 40		13.5	9.5	M4x0.7Px10dp	M5x0.8Px10dp	26.25	52.5	35.5	40	14.5	19	21	9	3	2	6.5	M4x0.7Px9dp	4	4	10
ADQT 50		18	10	M5x0.8Px10dp	M6x1.0Px12dp	32	63	41.7	48	17.7	24	24	10	4	2.2	7.5	M5x0.8Px11dp	5	5	12