

180° Angular Type Air Gripper

ADM2 Series

Bore size: Ø12, Ø16, Ø20, Ø25, Ø32

✓ Various sizes

Ø12 ~ Ø32

✓ Higher corrosion resistance

Stainless steel gripper finger

✓ Lighter in weight

0.1 ~ 1.18 kg

Industries served



AUTOMATION
INDUSTRY



PLASTIC
INJECTION



MACHINE
TOOLING



AUTOMOTIVE

180°



Stainless steel gripper finger

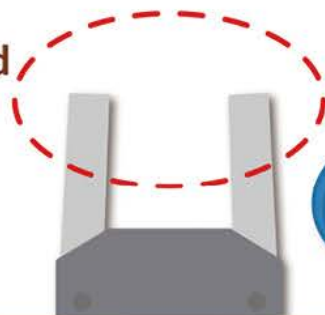
The gripper is made of SUS 630 materia with excellent corrosion resistance.



Improved gripping accuracy!

The cam structure design enhances the synchronicity of gripper closure.

Closed



Upgraded dust-resistant performance.

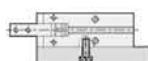
Dust-resistant design to keep foreign matter out.



Multi-direction securing

01

Bottom side



02

Lateral side



03

AM-type
fixture



04

AB-type
fixture



(Side View)



ADM2 series

180° Angular gripper



Code of Order

- Finger guided by the end of gripper to ensure precise opening angular
- Dust-proof plate prevent debris from entering the body of gripper
- 180° holding
- Multiple ways to install

Specification

Item	Bore size (mm)	Ø12	Ø16	Ø20	Ø25	Ø32
Type of operation		Double acting				
Fluid		Air				
Pressure range	kgf / cm ² (kPa)	1.5 ~ 7 (150 ~ 700)				
Ambient and fluid temperature	° C	0 ~ 60				
Max. operating frequency	times/min	60				
Lubrication	Cylinder Lever section	Lubrication free Lubrication required				
Max. gripper point length (L)	mm	40	80	100	120	140
Lever open/close angles	°	- 1 ~ + 180				
Port size		M5 X 0.8P				
Sensing device		With magnet				

Note F : Effective gripping force · M theoretical gripping torque · P : Pressure = 5 kgf/cm² : the gripping point length = 30mm

Code of Order ADM2 20- AM - AMS - L - 2

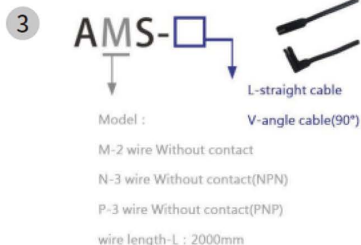
1

2

3

4

1	Mark	Bore size(mm)
	12	Ø12
	16	Ø16
	20	Ø20
	25	Ø25
	32	Ø32



2	Mark	Mouting bracket	Mark	Mouting bracket	Mark	Mouting bracket
	No mark	No mouting bracket	AM		AB	

AM type mounting bracket (Available to internal mounting)
 AB type mounting bracket (Available to external mounting)

4	Mark	Sensor quantity
	1	1 pc
	2	2 pcs

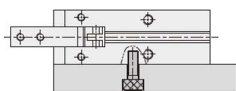
Operating Mark type and data

Operation	Model	Bore size (mm)	The smallest operating pressure (kgf/cm ²)	Thread port(mm)	Effective gripping force (N)	
Double acting	ADM2 12	12	2.2	4-M3x0.5P	Open	8.3
					Close	6.8
	ADM2 16	16	1		Open	19.7
					Close	16.9
	ADM2 20	20	1	4-M4x0.7P	Open	40
					Close	33.6
	ADM2 25	25	1	4-M5x0.8P	Open	72.1
					Close	60.6
	ADM2 32	32	1	4-M6x1.0P	Open	151
					Close	130

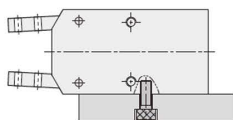
Note : Gripping force is the force generated when opening or closing the jaws, with a jaw arm contact length of 30mm and an operating pressure of 5 kgf/cm².

Mounting type

1. Apply the screw from bottom



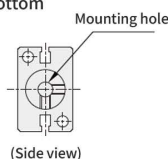
2. Apply the screw from side



3. Apply AM mounting bracket in the bottom



4. Apply AB mounting bracket in the bottom



Product weight

Model	Weight(kg)
ADM2 Ø12	0.1
ADM2 Ø16	0.16
ADM2 Ø20	0.52
ADM2 Ø25	0.72
ADM2 Ø32	1.18

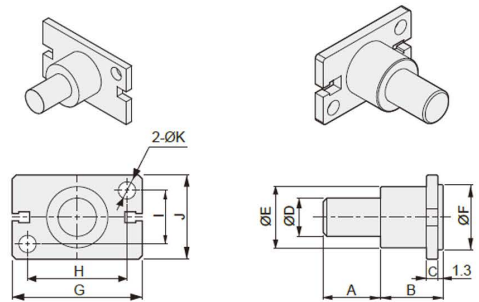
Note:All the above are theoretical data; weight deviation is approximately ±5%

Mounting bracket

- AM type mounting bracket (Available to internal mounting)

Unit : mm

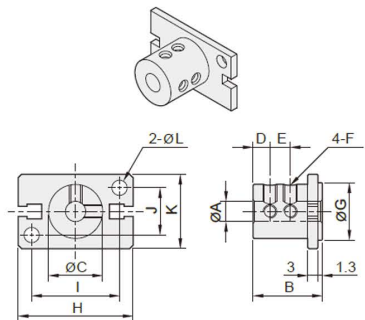
Mark Model	A	B	C	D	E	F	G	H	I	J	K
AM 12	10	10	2	8	12	11	23	20	10	16	3.5
AM 16	15	15	3	10	16	17	34	26	14	22	4.5
AM 20	15	15	3	10	18	21	45	35	16	26	5.5
AM 25	25	17	5	14	26	26	52	40	20	32	6.6
AM 32	25	20	6	16	30	34	60	46	26	40	6.6



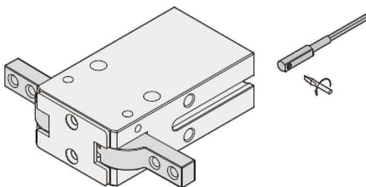
- AM type mounting bracket (Available to internal mounting)

Unit : mm

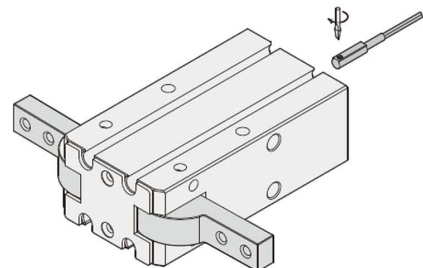
Mark Model	A	B	C	D	E	F	G	H	I	J	K	L
AB 12	4	15	12	5	-	M3 x 0.5p	13	27	20	10	16	3.5
AB 16	6	20.5	16	5	6	M4 x 0.7p	17	34	26	14	22	4.5
AB 20	8	20.5	20	7	7	M4 x 0.7p	21	45	35	16	26	5.5
AB 25	10	30.5	25	8	10	M4 x 0.7p	26	52	40	20	32	6.5
AB 32	12	40.5	32	10	15	M4 x 0.7p	34	60	46	26	40	6.5



ADM2 sensor switch installation

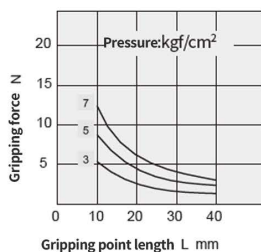
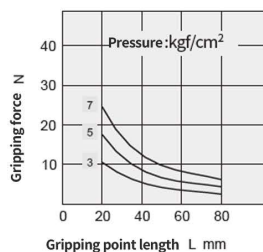
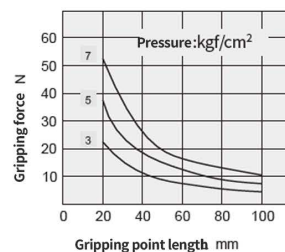
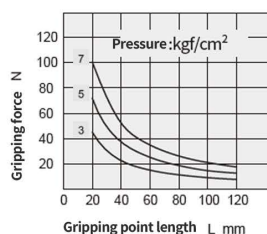
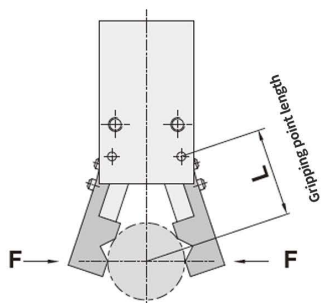
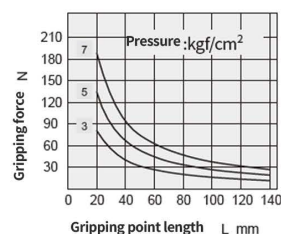


- ADM2 12 Sensor switch mounting

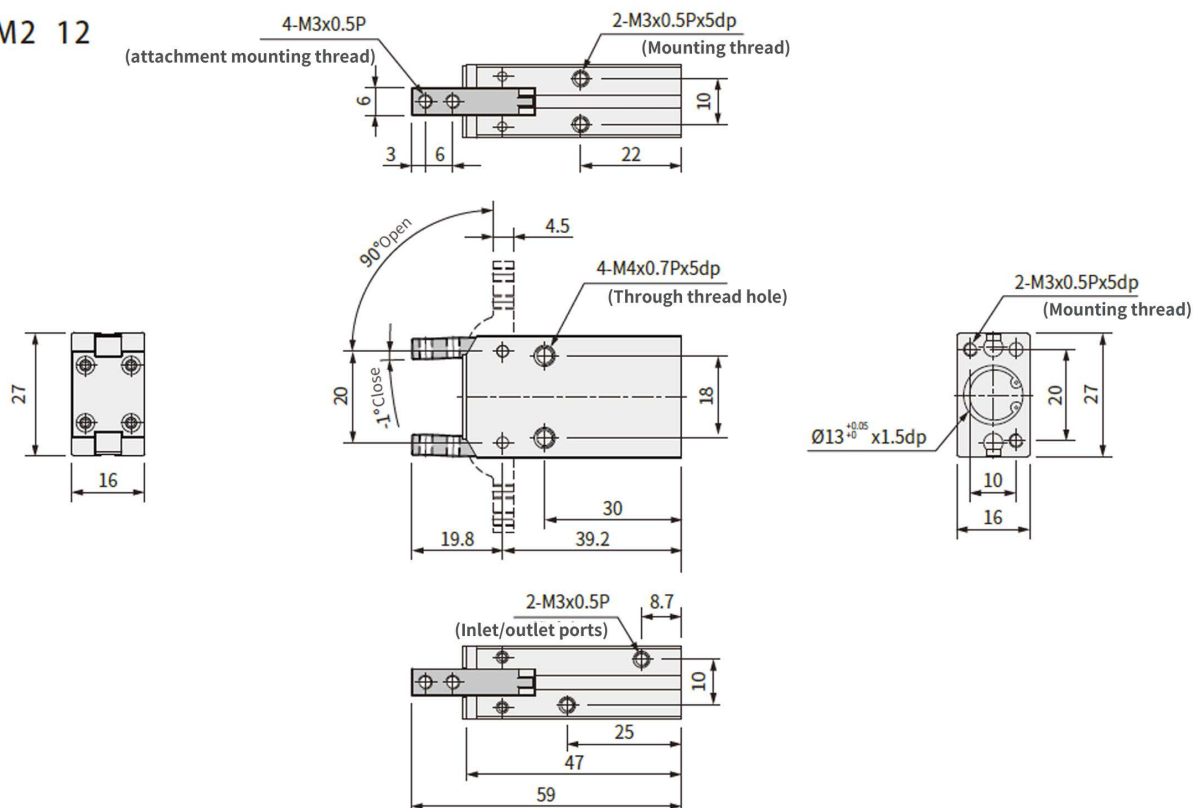


- ADM2 16~32 Sensor switch mounting

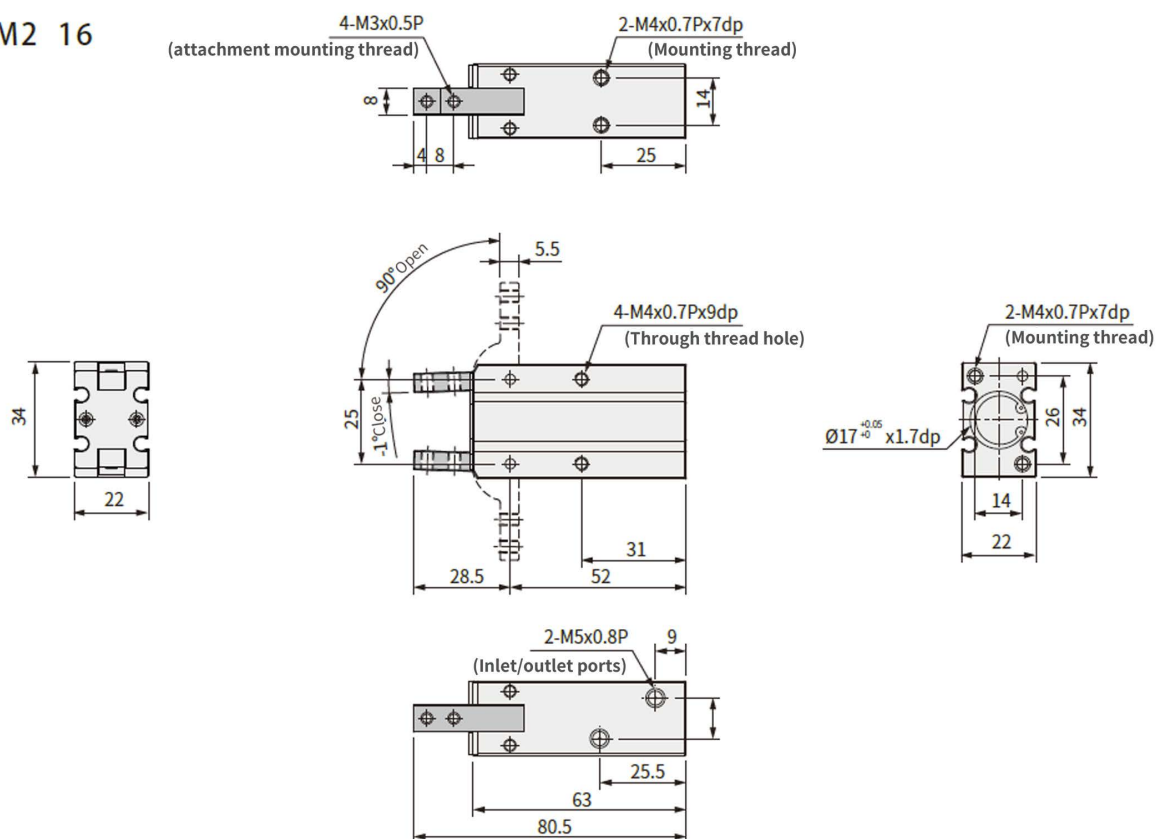
Gripping force characteristic

ADM2 12

ADM2 16

ADM2 20

ADM2 25

ADM2 32


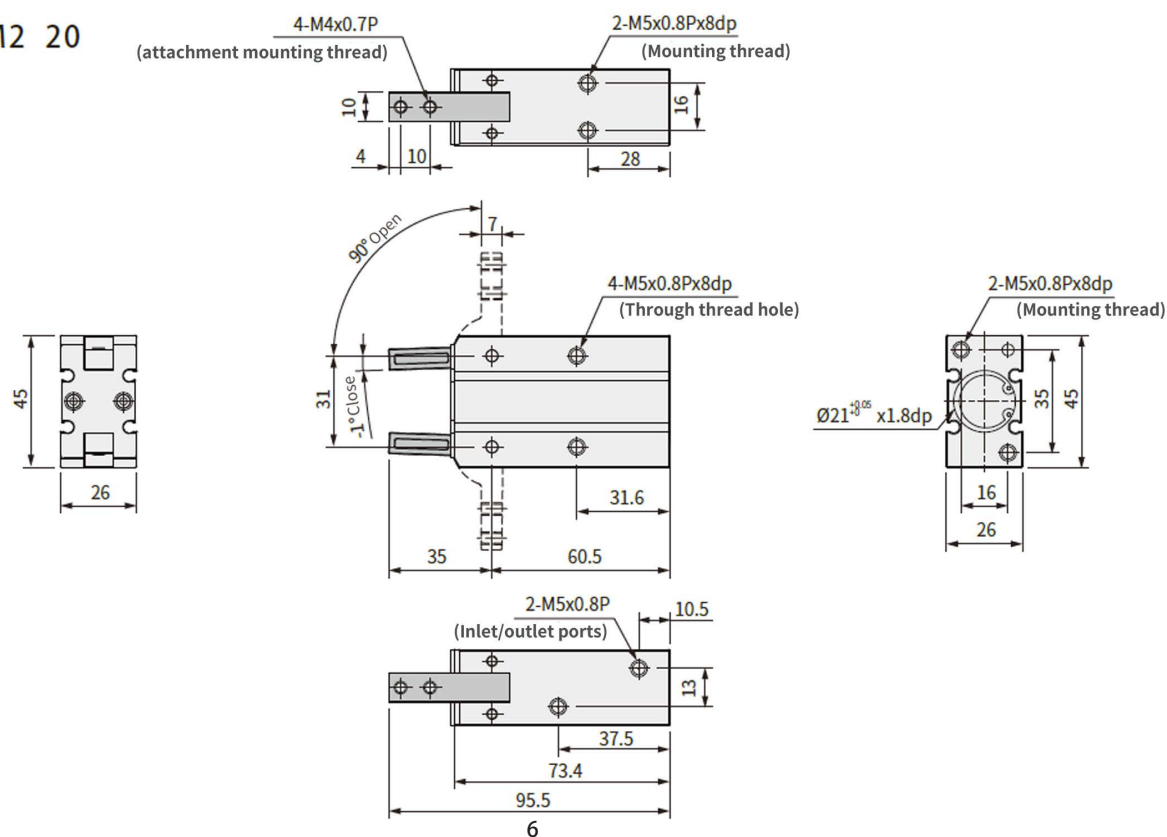
ADM2 12



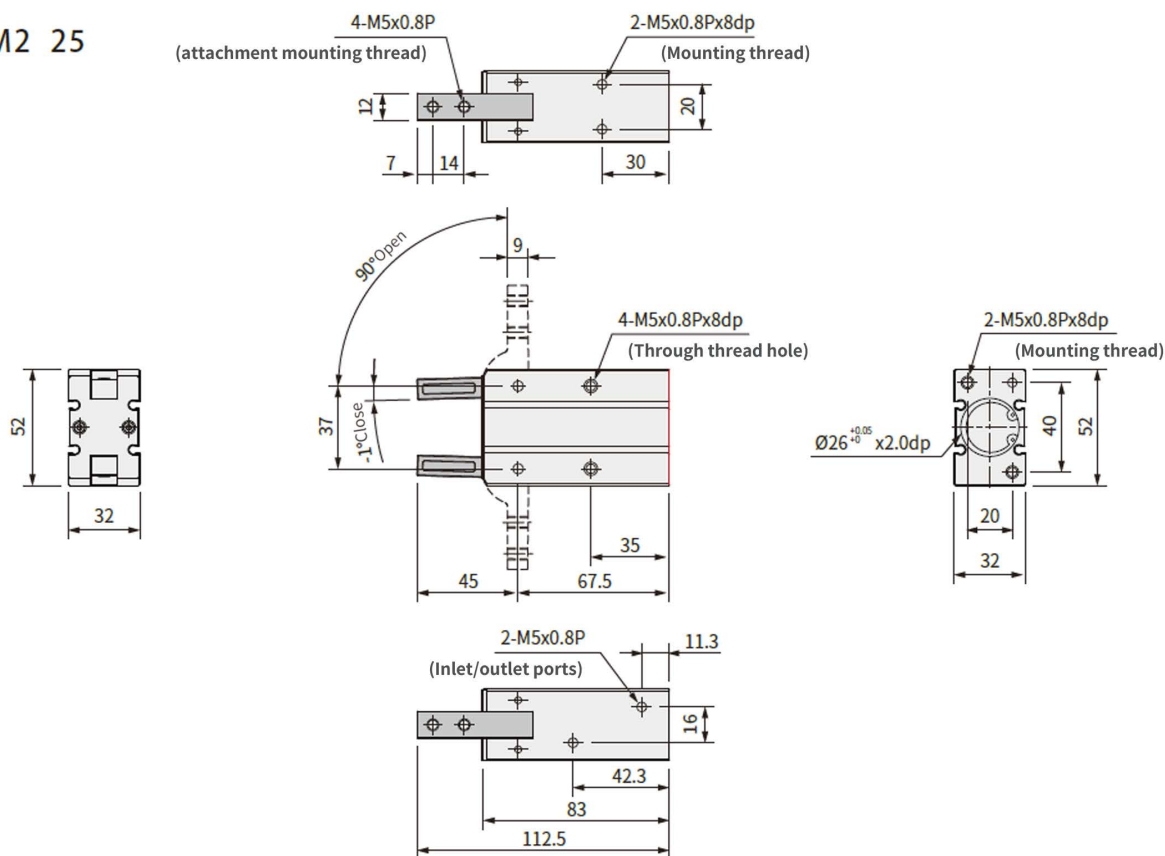
ADM2 16



ADM2 20



ADM2 25



ADM2 32

