



AHF series

Low Profile Air Gripper



Specification

- Space saving and compact
- Double piston
- Height reduced 50% than ADZ

Specification

Item	Bore size (mm)	Ø12	Ø16	Ø20
Action		Doubleacting		
Fluid		Air		
Pressure range	kgf / cm ² (kPa)	1.5 ~ 7(150 ~ 700)		
Ambient and fluidtemperature	°C	0 ~ 60		
Max. operating frequency	time/min	100		
Lubrication	Cylinder	Lubrication free type		
	Sliderail	Lubrication required		
Closingstroke	mm	12, 24, 48	16, 32, 64	20, 40, 80
Port size		M5 x 0.8P		
Sensing device		With magnet		

Product weight

Model	AHF 12 x 12	AHF 12 x 24	AHF 12 x 48
Weight(kg)	0.15	0.19	0.27
Model	AHF 16 x 16	AHF 16 x 32	AHF 16 x 64
Weight(kg)	0.35	0.44	0.65
Model	AHF 20 x 20	AHF 20 x 40	AHF 20 x 80
Weight(kg)	0.64	0.85	1.22

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



Code of order

AHF-R-12x12-AMS-L-2

①

②

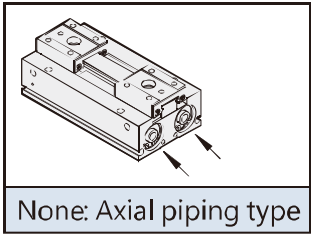
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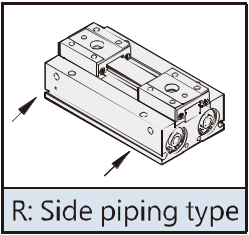
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Mark	Model
None	Axial piping type
R	Side piping type

● Image



None: Axial piping type



R: Side piping type

②

Bore size (mm)	Stroke (mm)
Ø12	x12, 24, 48
Ø16	x16, 32, 64
Ø20	x20, 40, 80

③

AMS-

Model :

M-2 wire Without contact

N-3 wire Without contact(NPN)

P-3 wire Without contact(PNP)

wire length-L : 2000mm



L-straight cable

V-angle cable(90°)

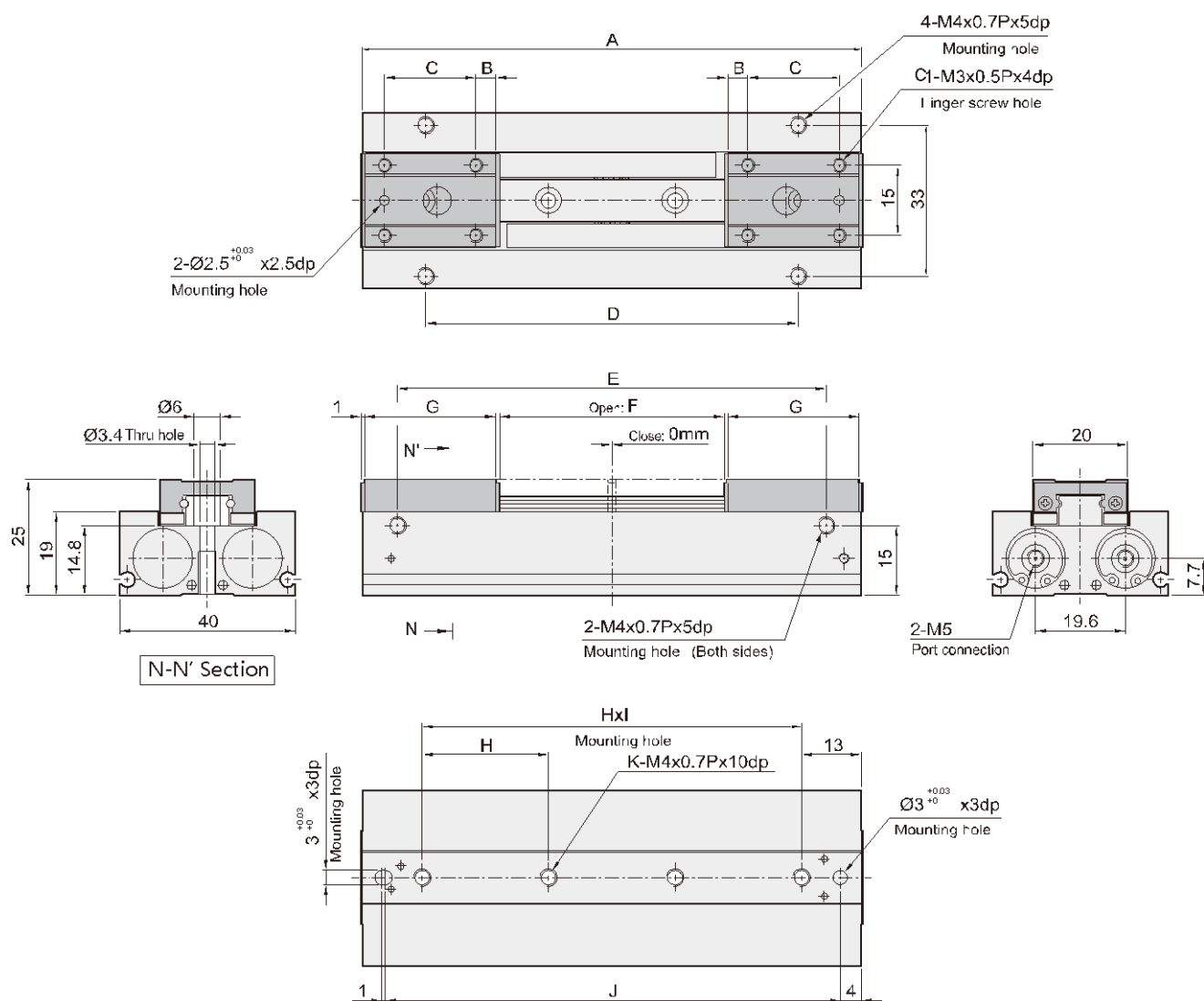
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Mark	Sensor quantity
1	With 1 sensor switch
2	With 2 sensor switches



Dimensions

■ AHF-12

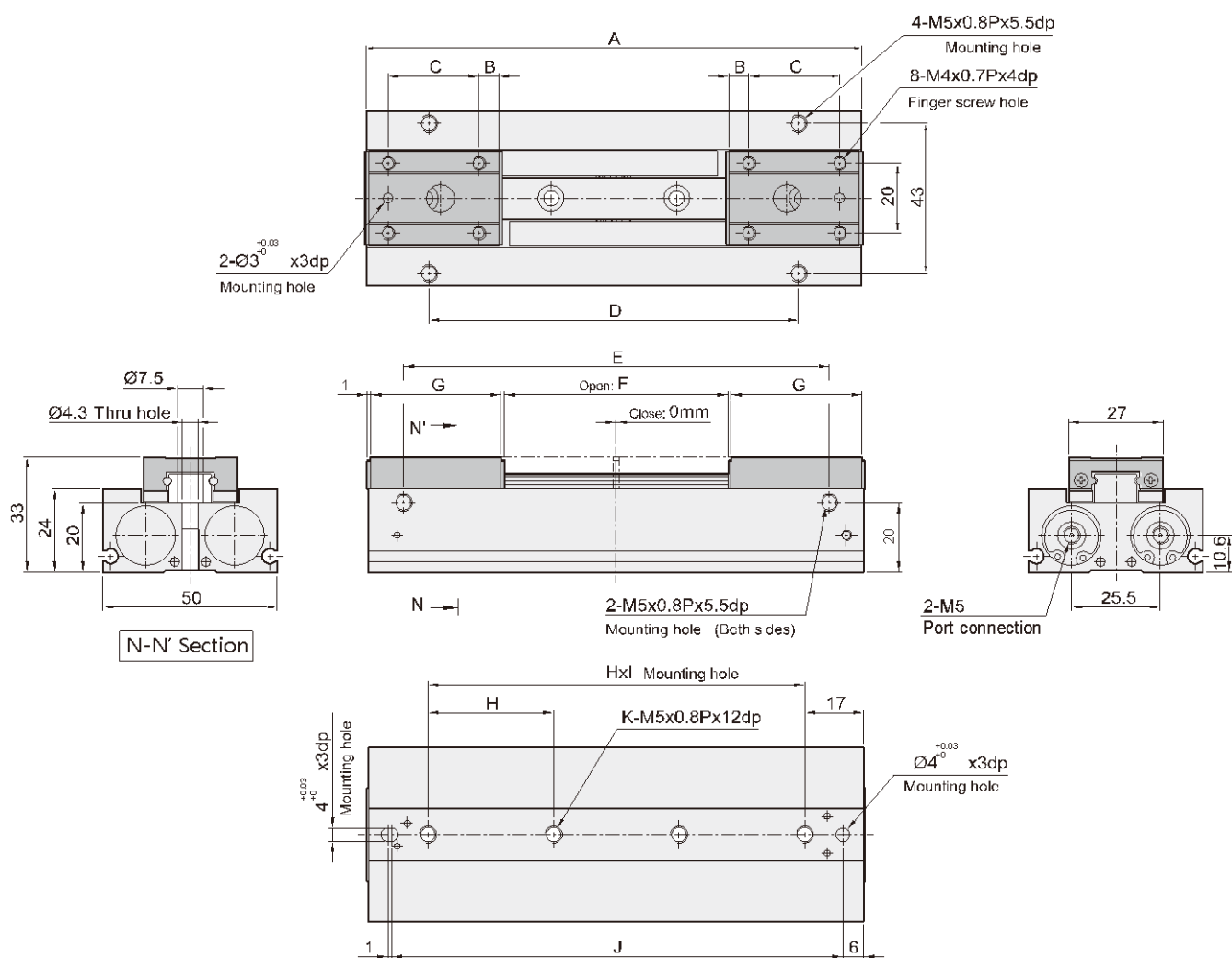


Unit: mm

Model	Mark	A	B	C	C ₁	D	E	F	G	H	I	J	K
AHF 12 x 12st		52	9	-	4	28	38	12	18	26	1	43.5	2
AHF 12 x 24st		68	4.5	12	8	44	54	24	21	42	1	59.5	2
AHF 12 x 48st		104	4.5	18	8	80	90	48	27	26	3	95.5	4



AHF-16

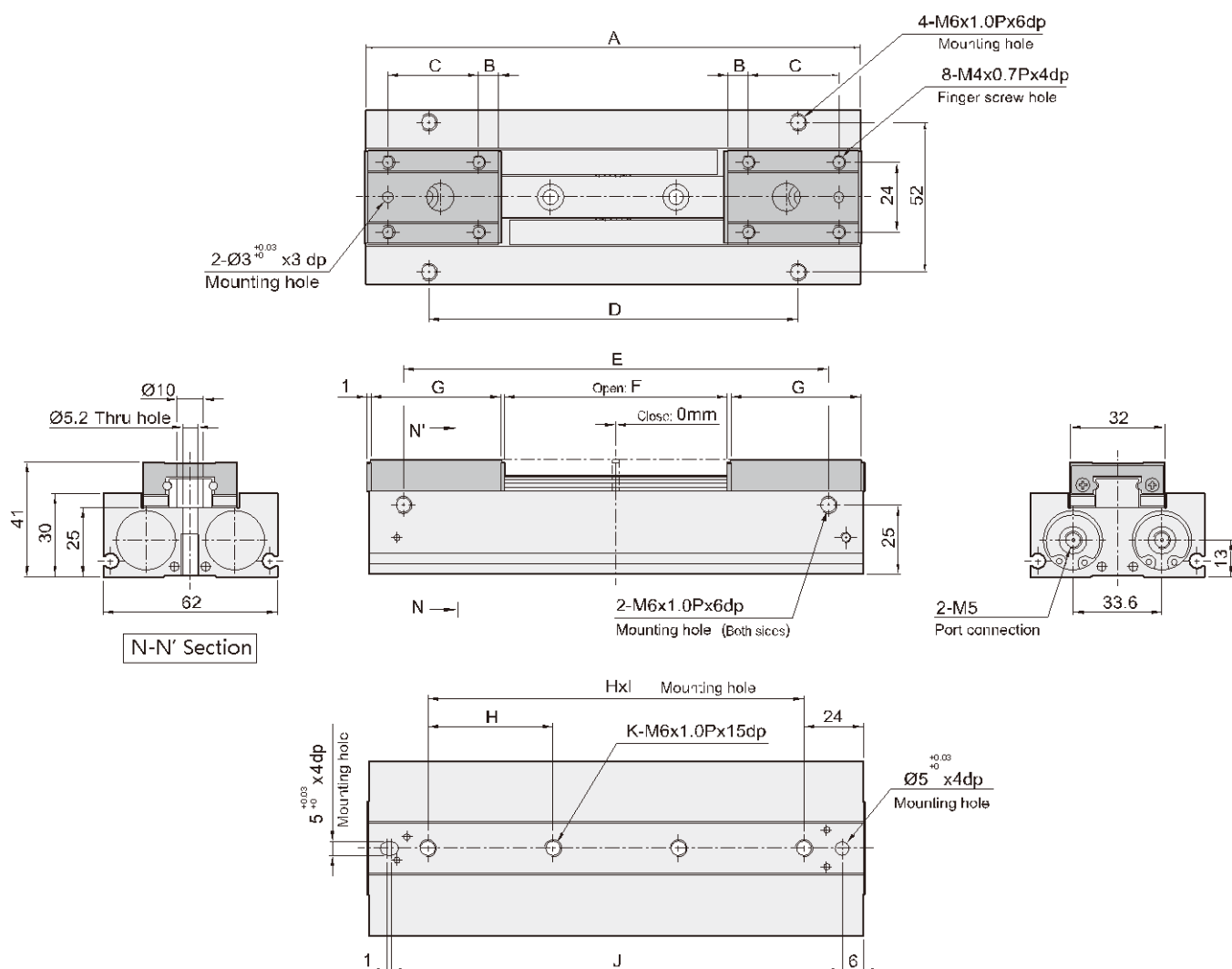


Unit: mm

Model \ Mark	A	B	C	D	E	F	G	H	I	J	K
AHF 16 x 16st	72	5.2	15	36	52	16	25.4	38	1	59.5	2
AHF 16 x 32st	94	5.7	18	58	74	32	29.4	60	1	81.5	2
AHF 16 x 64st	142	5.7	26	106	122	64	37.4	36	3	129.5	4



AHF-20

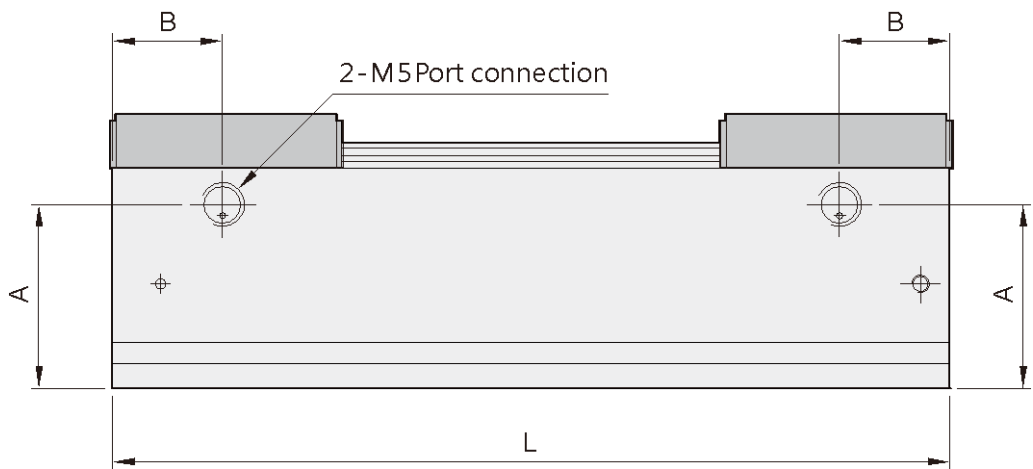


Unit: mm

Model \ Mark	A	B	C	D	E	F	G	H	I	J	K
AHF 20 x 20st	86	7.6	16	40	56	20	31.2	38	1	73.5	2
AHF 20 x 40st	114	8.1	20	68	84	40	36.2	66	1	101.5	2
AHF 20 x 80st	174	8.1	30	128	144	80	46.2	42	3	161.5	4



■ Side piping type



Unit: mm

Model	Mark	L	A	B
AHF 12x12 ST		52	15	7
AHF 12x24 ST		68		
AHF 12x48 ST		104		
AHF 16x16 ST		72	20	10
AHF 16x32 ST		94		
AHF 16x64 ST		142		
AHF 20x20 ST		86	19	8.3
AHF 20x40 ST		114		
AHF 20x80 ST		174		