

Water-Proof Hand & Chuck HMA,HA,CKA,CK Series

Waterproof Hand and Chuck for Use Under Water

Key Features

- Non-grease operation via special coating
- Base material is made of stainless steel better protection
- Dust seal repels water from the inside of cylinder

*Since this product is not fully waterproof, periodic maintenance is required.



CKA-50MS-WT

How To Order

Standard ----- **HMA-03AS-WT**

Option ----- **HMA - 03AS - WT - Z** ----- Special processing on HMA-03AS-WT

Model	
Symbol	Specification
HMA-□□-WT	Water-Proof
HA-□□-WT	Water-Proof
CKA-□□-WT	Water-Proof
CK-□□-WT	Water-Proof

Size	
Symbol	
03AS *1	2AS *4
05AS *1	
3MS *2	
40AS *3	
50MS *3	

Option	
Symbol	Name
Z	Special Type (Custom)

*1 HMA *2 HA
*3 CKA *4 CK

For option detail ▶ **36P**

Specification

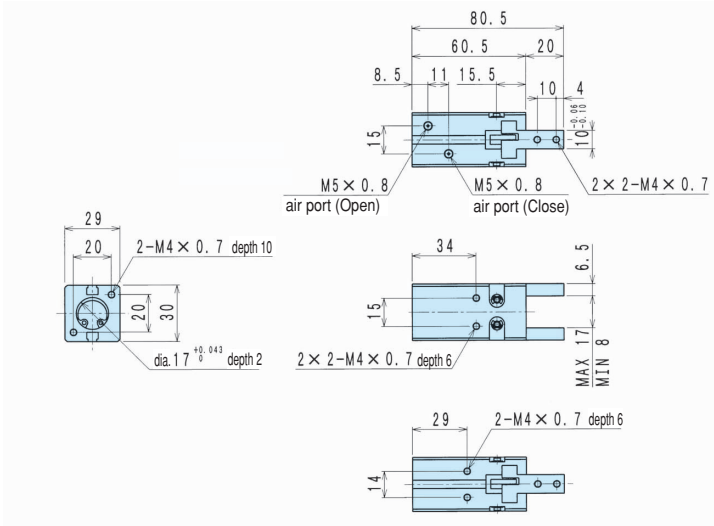
Model	HMA-03AS-WT <small>For Layout Drawing ▶ 372P</small>	HMA-05AS-WT <small>For Layout Drawing ▶ 372P</small>	HA-3MS-WT <small>For Layout Drawing ▶ 373P</small>	CKA-40AS-WT <small>For Layout Drawing ▶ 373P</small>	CKA-50MS-WT <small>For Layout Drawing ▶ 374P</small>	CK-2AS-WT <small>For Layout Drawing ▶ 374P</small>
Working Pressure	Pneumatic: 0.3 to 0.7MPa					
Lubrication	Not Required or Turbine Oil Class 1 (ISOVG32)					
Ambient Temperature (°C)	5 to 60					
Total Jaw Stroke (mm)	9	15	26	20	25	40
Cylinder Diameter (mm)	dia.16	dia.25	dia.25	dia.50	dia.63	dia.44
Rod Diameter (mm)	dia.8	dia.10	dia.14	dia.20	dia.20	dia.16
Internal Volume [Reciprocation] (cm ³ /time)	1.58	6.32	10.8	36.1	76.9	52.8
Repeatability (mm)	±0.03					
Weight (kg)	0.42	0.9	1.74	3.95	7.28	8.12

For CAD data, please go to **▶518P**

Layout Drawing

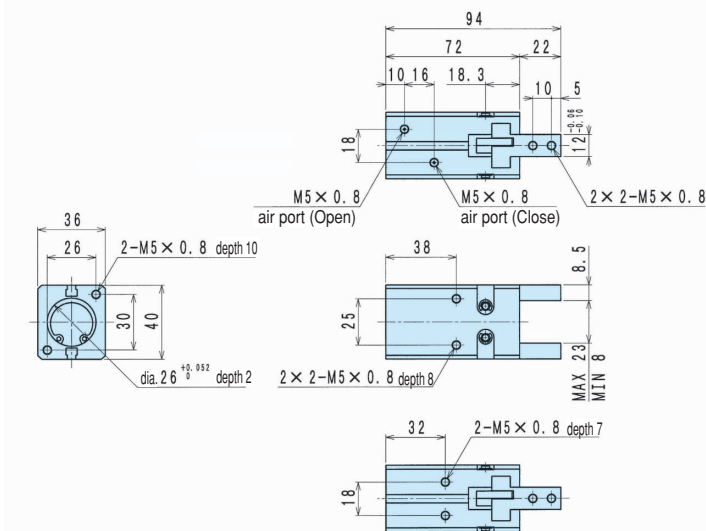
■HMA-03AS-WT (Optimal Grip Force 20N to 50N)

HMA-03AS-WT Standard



■HMA-05AS-WT (Optimal Grip Force 60N to 140N)

HMA-05AS-WT Standard

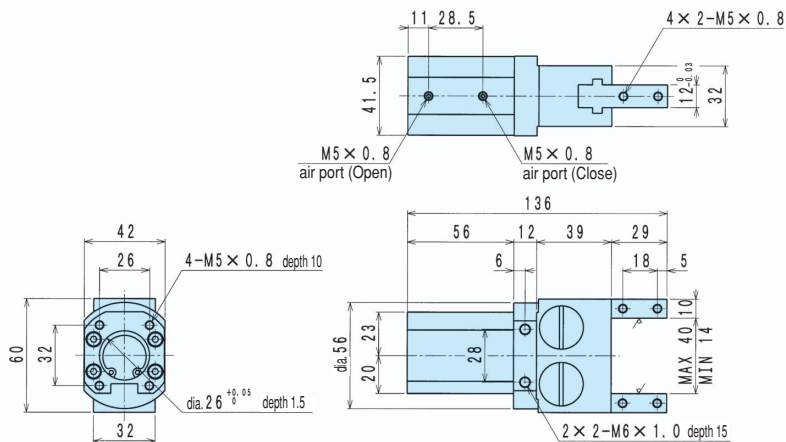


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Layout Drawing

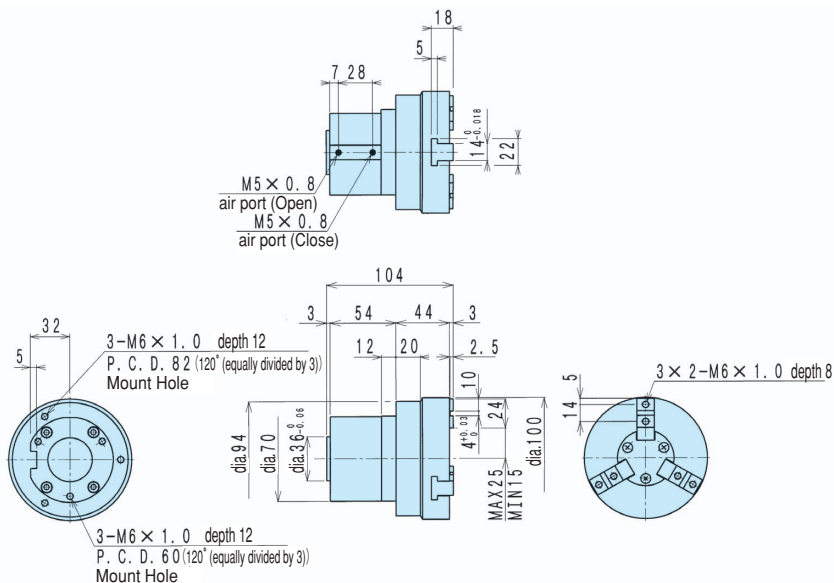
HA-3MS-WT (Optimal Grip Force 50N to 100N)

HA-3MS-WT Standard



CKA-40AS-WT (Optimal Grip Force 200N to 500N)

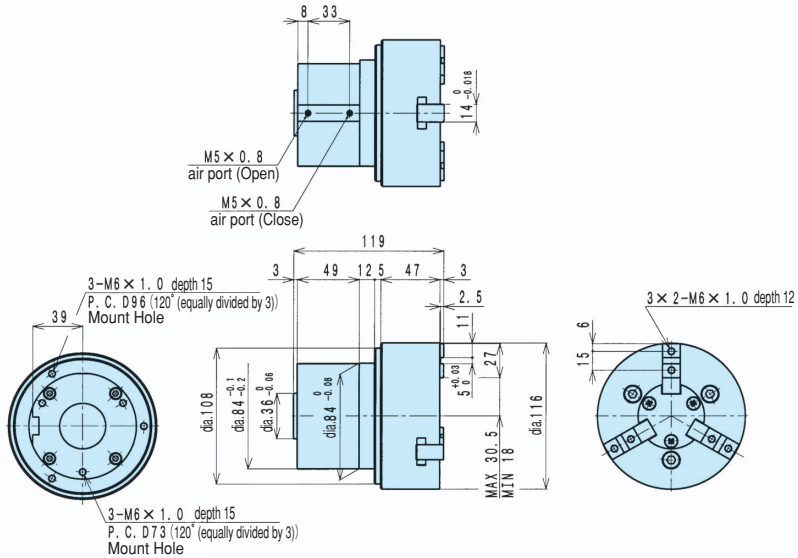
CKA-40AS-WT Standard



For CAD data, please go to **▶518P**

■CKA-50MS-WT (Optimal Grip Force 300N to 700N)

CKA-50MS-WT Standard



■CK-2AS-WT (Optimal Grip Force 150N to 300N)

CK-2AS-WT Standard

