

CKE Series 4-Jaw & 2-Drive Chuck

3-Jaw Gripper for Handling Irregular-Shaped Workpieces

Key Features

■ 2-drive & 4-Jaw gripper

The CKE can clamp irregular-shaped workpiece firmly from 2 directions. Standard 1-drive type also available (CKD).

■ No adjustment for multi-purpose application

Long motion stroke for multi-purpose use

■ Compact and powerful

Light-weight and compact body design



CKE-25M

How To Order

Standard ----- **CKE-25M**

Option ----- **CKE - 25M - Z** ----- CKE-25M under special processing

Size		Option			
Symbol		Symbol	Name	Symbol	Name
25M		Z	Special Type (Custom)		
30M					

For option detail ▶ 36P

Specification

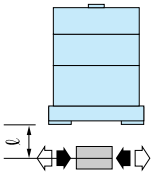
Model	CKE-25M				CKE-30M	
	For Layout Drawing ▶273P				For Layout Drawing ▶273P	
Working Pressure	Pneumatic: 0.3 to 0.7MPa					
Lubrication	Not Required or Turbine Oil Class 1 (ISOVG32)					
Ambient Temperature (°C)	5 to 60					
Total Jaw Stroke (mm)	(A) 7	(B) 7	(A) 10	(B) 9		
Cylinder Diameter (mm)	dia.40	dia.25	dia.50	dia.32		
Rod Diameter (mm)	dia.26	dia.14	dia.32	dia.18		
Internal Volume [Reciprocation] (cm ³ /time)	5.5	4.1	5.7	5.4		
Repeatability (mm)	±0.03			±0.03		
Weight (kg)	1.0			1.5		

Performance Data

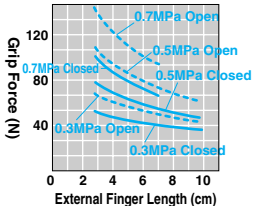
■ Grip Force

The graph shows grip force in opening and closing with effective external finger lengths l from gripper cover surface under different air pressure (MPa)

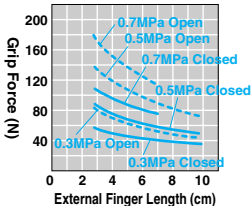
Open (↔) ————
 Closed (→) —————



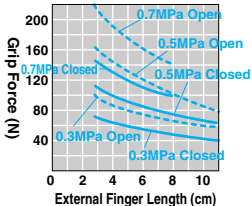
■ CKE-25M(A)



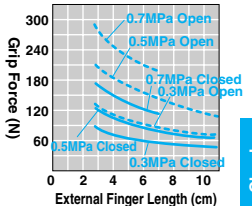
■ CKE-25M(B)



■ CKE-30M(A)



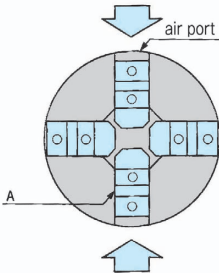
■ CKE-30M(B)



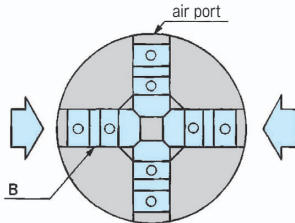
Chuck
(4-Jaw)

Jaw Arrangement

1. Clamping in the direction indicated by arrows (Up↔Down)



2. Clamping in the direction indicated by arrows (Left↔Right)

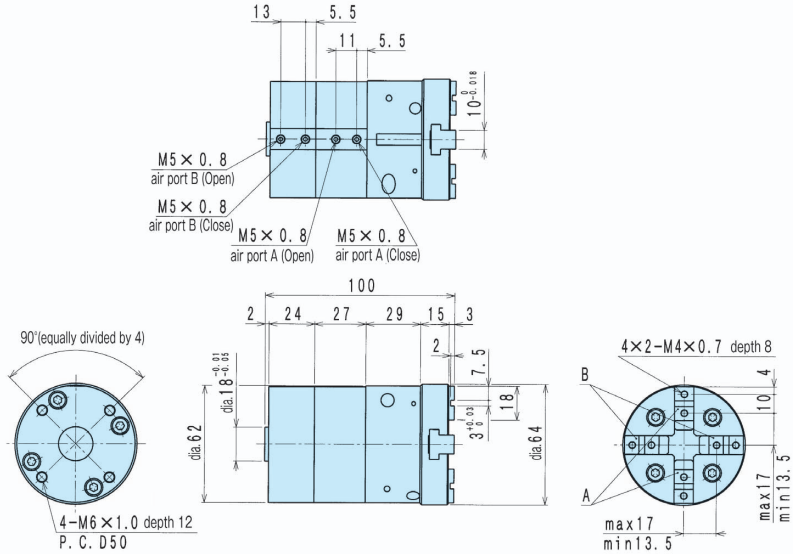


CKE Series 4-Jaw & 2-Drive Chuck

Layout Drawing

CKE-25M (Optimal Grip Force 30N to 80N)

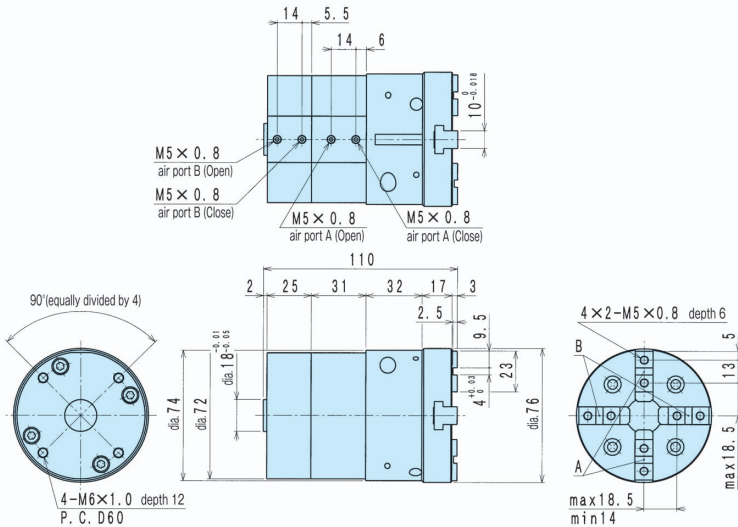
CKE-25M Standard




Chuck
(4-Jaw)

CKE-30M (Optimal Grip Force 40N to 120N)

CKE-30M Standard



 For CAD data, please go to **▶518P**