

Base	ACC00A5		ACC00A6	
Spindle nose	A2-5		A2-6	
Operation input force (kN) (ACC clamping)	70		70	
Max. input force (kN) (chuck clamping)	18		18	
Mass (kg)	8.9		8.9	
Moment of inertia (kg·m ²)	0.030		0.030	
Compatible cylinder	YG420W19		YG420W19	
Ma. hydraulic pressure (MPa) (chuck clamping)	2.02		2.02	
Chuck	BR06AC	DLR08AC	PUB06AC	PW08AC
Plunger stroke (mm)	12	12	10	11.4
Jaw stroke (mm)	5.5	5.5	5	7.9
Max. input force (kN)	18	18	18	18
Max. static gripping force (kN)	45.3	44.2	54	54.1
Max. speed (min ⁻¹)	5500	4300	7000	3700
Mass (kg)	20.2	27.8	21.9	29.9
Moment of inertia (kg·m ²)	0.097	0.153	0.099	0.161
Max. angular acceleration (rad/s ²)	4100	2600	4100	2500
Compatible cylinder	YG420W19	YG420W19	YG420W19	YG420W19
Max. hydraulic pressure (MPa)	2.02	2.02	2.02	2.02

Chuck Attachment Line-up



BR series



DLR series



PW series



PU series

Kitagawa also has extensive experience in designing customised workholding equipment. Please leave everything to us, including selecting and determining which chuck is most suitable for your workpiece. Please feel free to contact your nearest branch office or sales representative.

For technical information on Kitagawa products, please visit our website:
<https://prod.kiw.co.jp/exhibition/mtools/en/>



<https://www.kitagawa.com/>



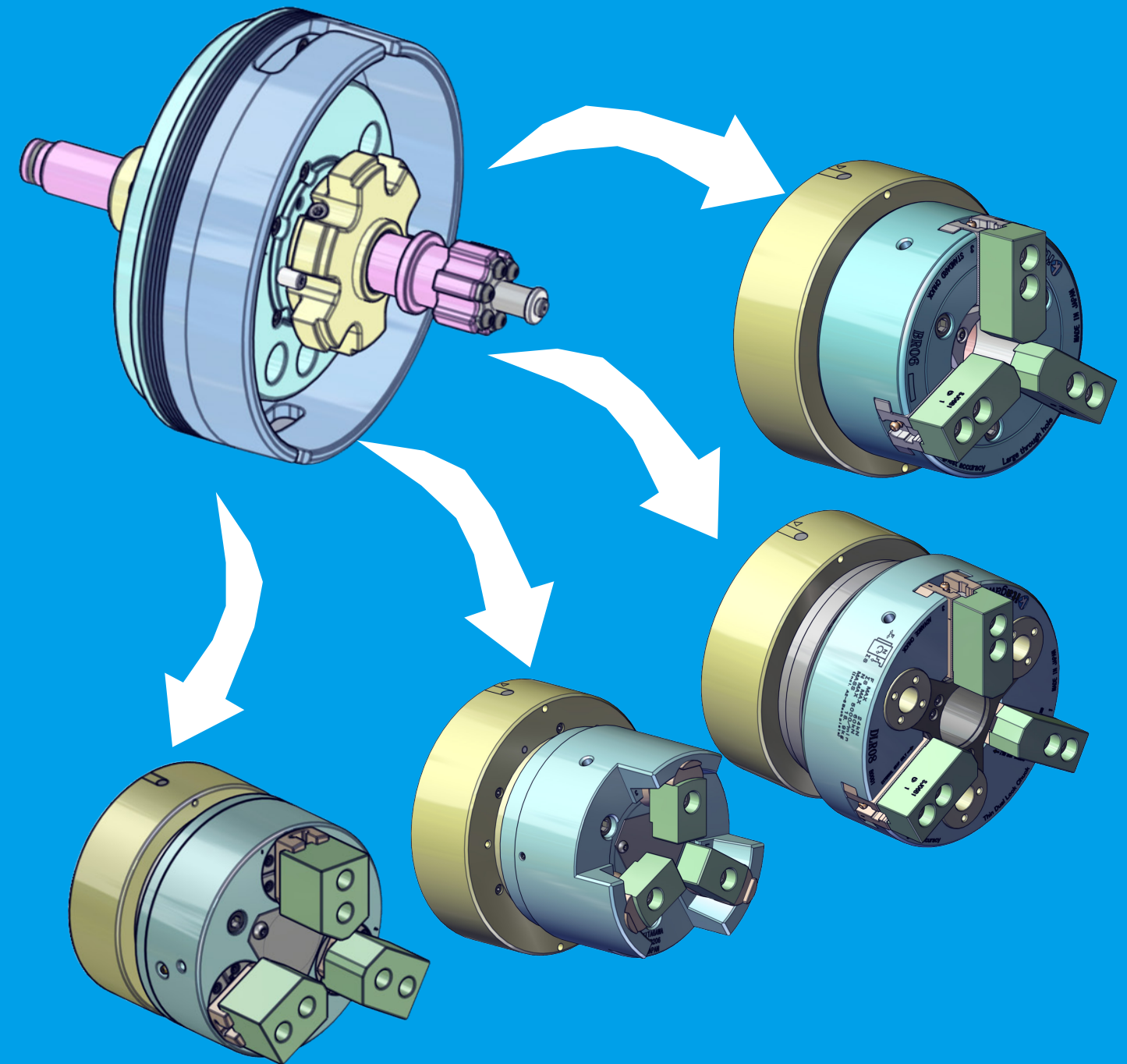
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 ·Catalogue information: May 2026

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ACC System

Auto Chuck Change System



Feature 1: Simplified Changeover Operations
Feature 2: Fully Automated Robotic Operation



Auto Chuck Change System

Auto Chuck Change System

Simplified chuck installation and changeover.
The system also enables automatic chuck
changeover by robot.
A wide range of chucks can be mounted on a
common base.

Feature 1 No centring adjustment or on-machine
jaw machining required Efficient
changeovers

- ◎Even where multiple chucks are required, they can be consolidated on a single machine
 - ⇒Reduced initial investment
 - ⇒More effective use of factory floor space
- ◎Reduced reliance on individual operators
 - ⇒Greater flexibility in workforce allocation
 - ⇒Reduced variation resulting from differences in operator experience and skill
- ◎Shorter changeover times ⇒Reduced machine downtime

**Chuck changeover repeatability:
0.01mm T.I.R. or less**

Feature 2 Tool-free changeovers support
automated systems using robots

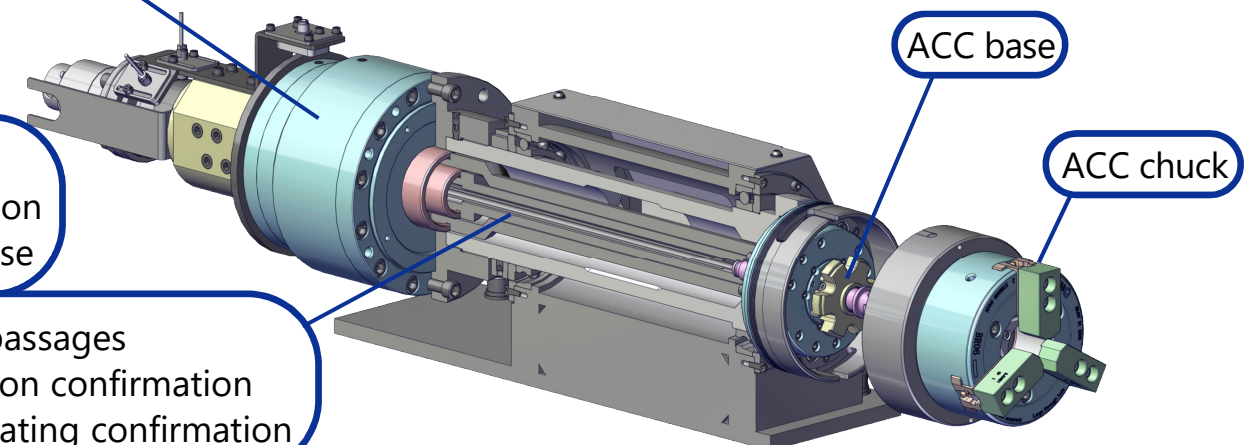
- ◎Supports unattended operation in high-mix, low-volume production
 - ⇒Improved machine utilisation
 - ⇒Shorter lead times
- ◎Minimises manual intervention ⇒Reduced labour costs

ACC dedicated
double cylinder
Model: YG420W19B

Two draw pipes
1. For chuck retention
2. For jaw open/close

Two confirmation passages
1. For chuck retention confirmation
2. For workpiece seating confirmation

ACC Basic Configuration



From chuck handling to workpiece
handling, Kitagawa can propose the
optimum robotic gripper solution.

