

JAKA Zu® 12 Cobot



Weight : 41 kg



Loading : 12 kg



Working radius : 1327 mm



Repeatability : ± 0.03 mm

Product Features

- High payload and Major radius
- High-strength applications
- High Cost-Effective

Recommended Markets

Metal processing , Injection molding ,
Automotive and related , Medical equipment



SGS



Wireless connection

No need of traditional
teaching device



Safety collaboration

Built-in torque
feedback detection



Graphic programming

Easy use for zero basis



Open Cooperation

Compatible with ROS
operating system



Integrated Joints

Easy to disassemble
and transport

Technical Parameter

Character

Payload	12kg
Weight (W cable)	41kg
Work radius	1327mm
Repeatability	±0.03mm
Axis	6
Programming	Graphical programming, free-drive
Teach pendant	MT (PAD/Mobile) APP
Collaborative operation	Accordance with GB 11291.1-2011
Rated Power	500W
Temperature range	0-50°C
IP Specification	IP54
Installation	Installation at any Angle
Tool I/O	Digital input 2 Digital output 2 Analog input 1
Tool I/O power	24V
base diameter	188mm
Materials	Aluminum、PC
Tool I/O size	M6
Cable length	6 m

Scope and speed *

Robot	Work scope	Max speed
Joint 1	±270°	120°/s
Joint 2	-85°, +265°	120°/s
Joint 3	±175°	120°/s
Joint 4	-85°, +265°	180°/s
Joint 5	±270°	180°/s
Joint 6	±270°	180°/s
Max speed	/	3m/s

*When moving within the joint limit, interference may occur due to end tools or installation environment. Please determine the range of motion according to the actual situation.

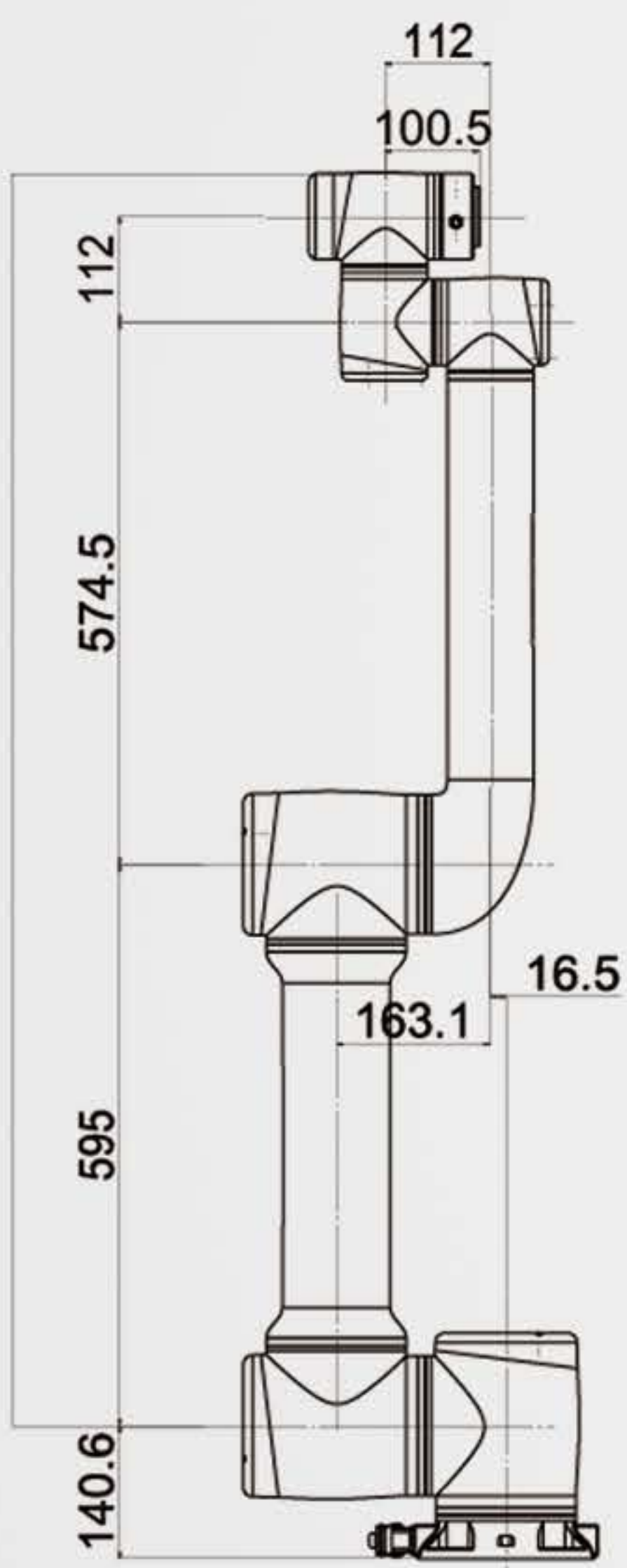


Control Cabinet

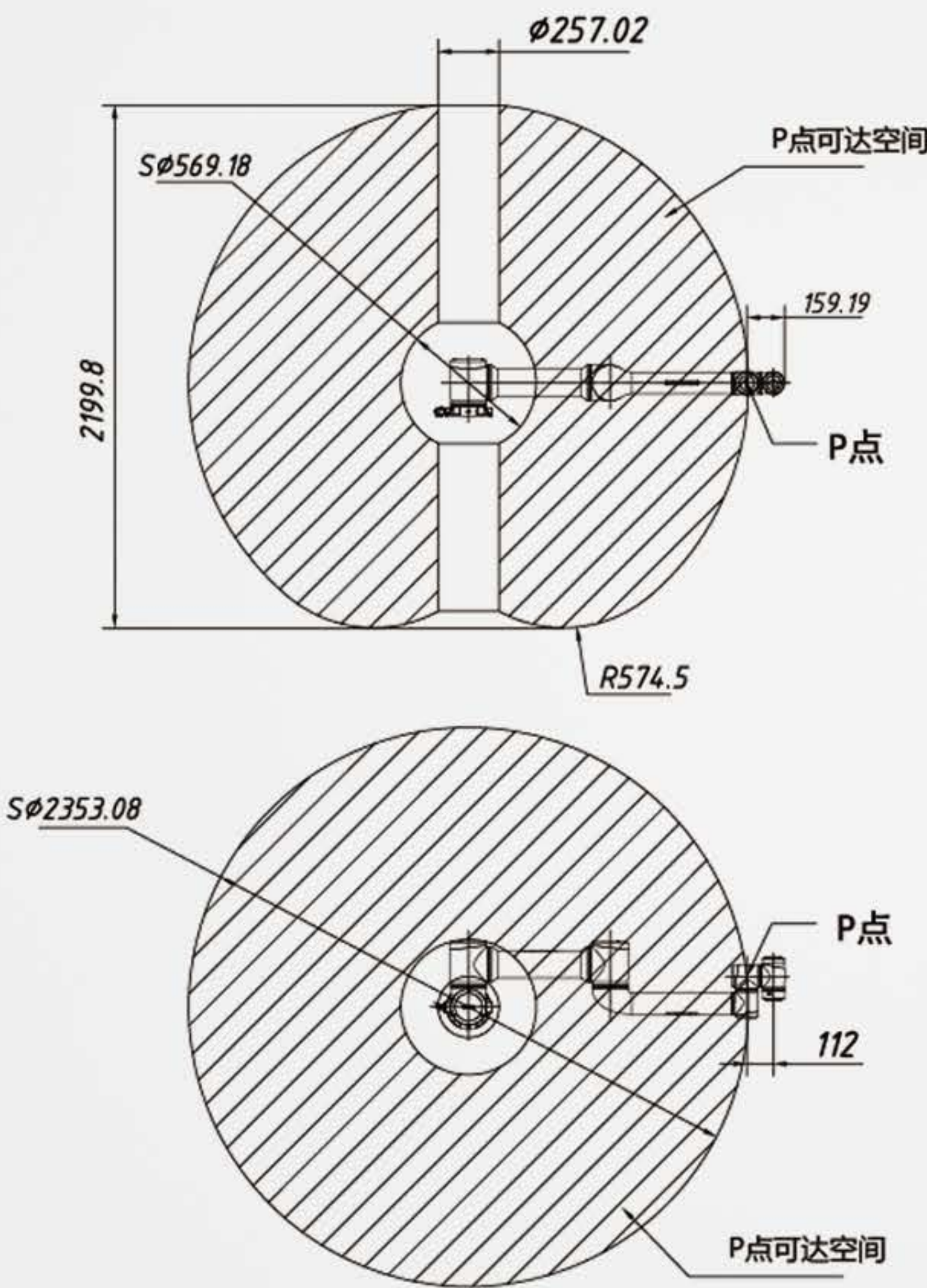
IP Specification	IP44
Tool I/O	16 Digital input/16 Digital output /2 Analog input or output
I/O Power	24V
communication	TCP/IP, Modbus TCP, Modbus RTU
power	100-240VAC, 50-60Hz
size	410×307×235 (mm) (W×H×D)
weight	16kg
material	Stainless steel



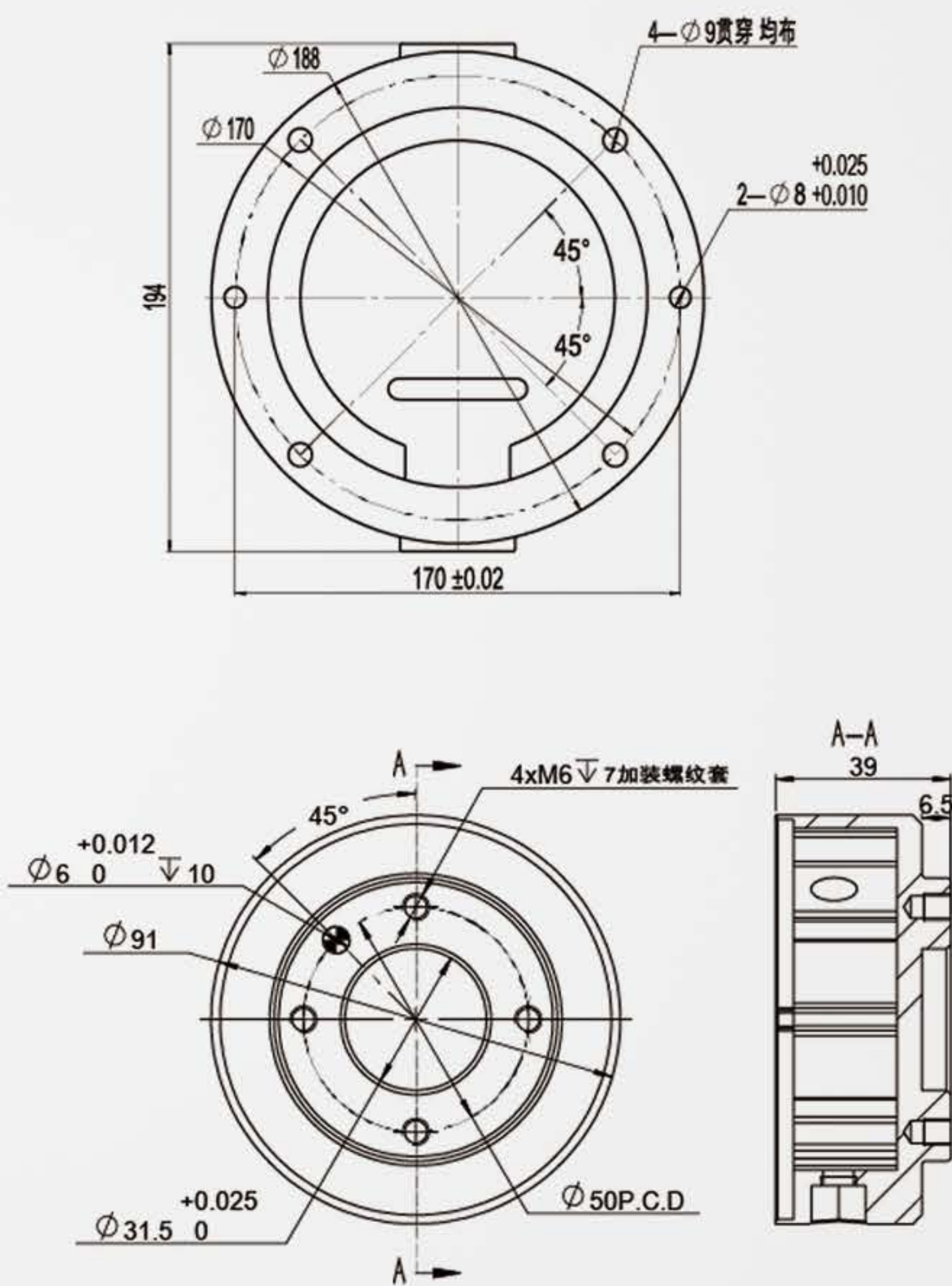
JAKA Zu 12 Layout



JAKA Zu 12 work radius



JAKA Zu 12 P point front view / top view



JAKA Zu 12 base / flange

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