

# SR12A-12/1.46

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**Max.load capacity at wrist 12kg, Max.reach1465mm**

### ● Advantages

**Flexible Deployment:** The hollow arch arm design effectively reduces interference with workpieces, enhancing operational flexibility in complex environments. It ensures the robot achieves optimal working postures in confined spaces.

**Precision and Efficiency:** Exceptional power performance meets the demands of high precision, speed, and stability required under fast-paced production cycles, adapting to various rigorous manufacturing conditions.

**Lightweight Design:** Utilizing specialized casting techniques for automotive engine-grade aluminum alloys, the lightweight body, in conjunction with robust driving power, achieves unparalleled velocity and precision.

**Intelligent Excellence:** An advanced smart control system facilitates easy maintenance and management.

### ● Application

Arc Welding, Fastening and Locking, Handling, Assembly, Loading and Unloading, etc.

### ● Installation

Floor, Ceiling, Wall



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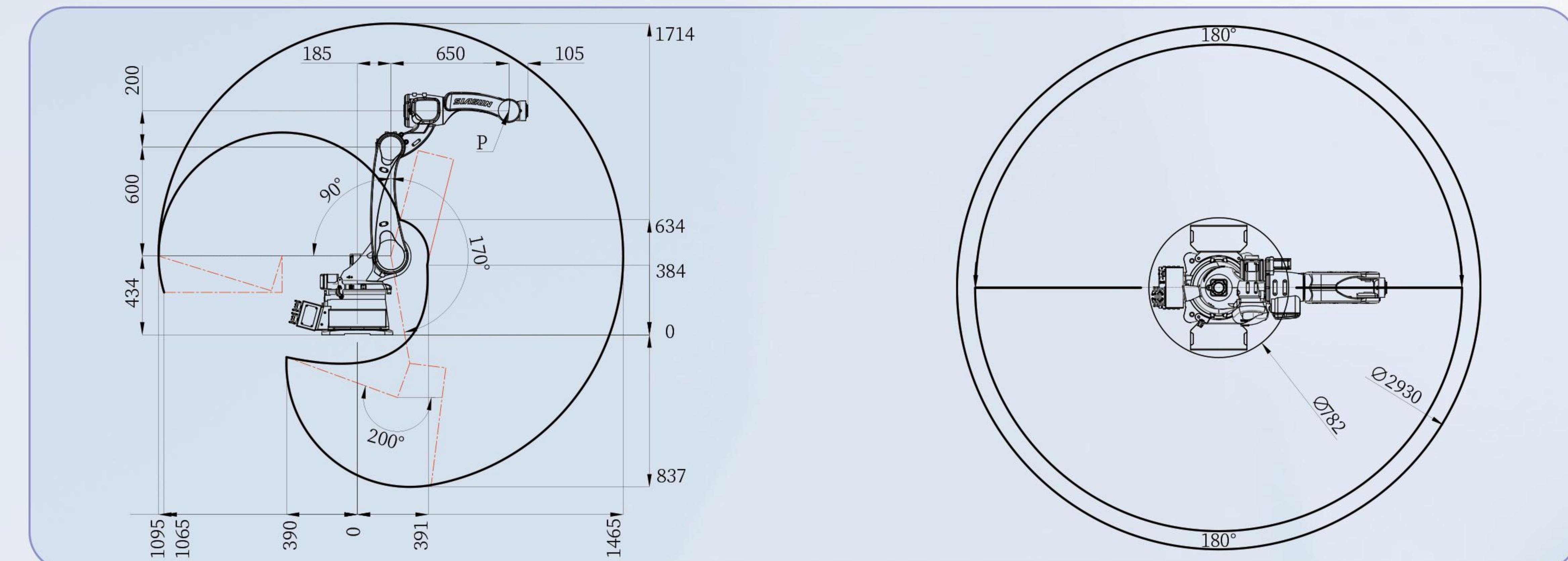
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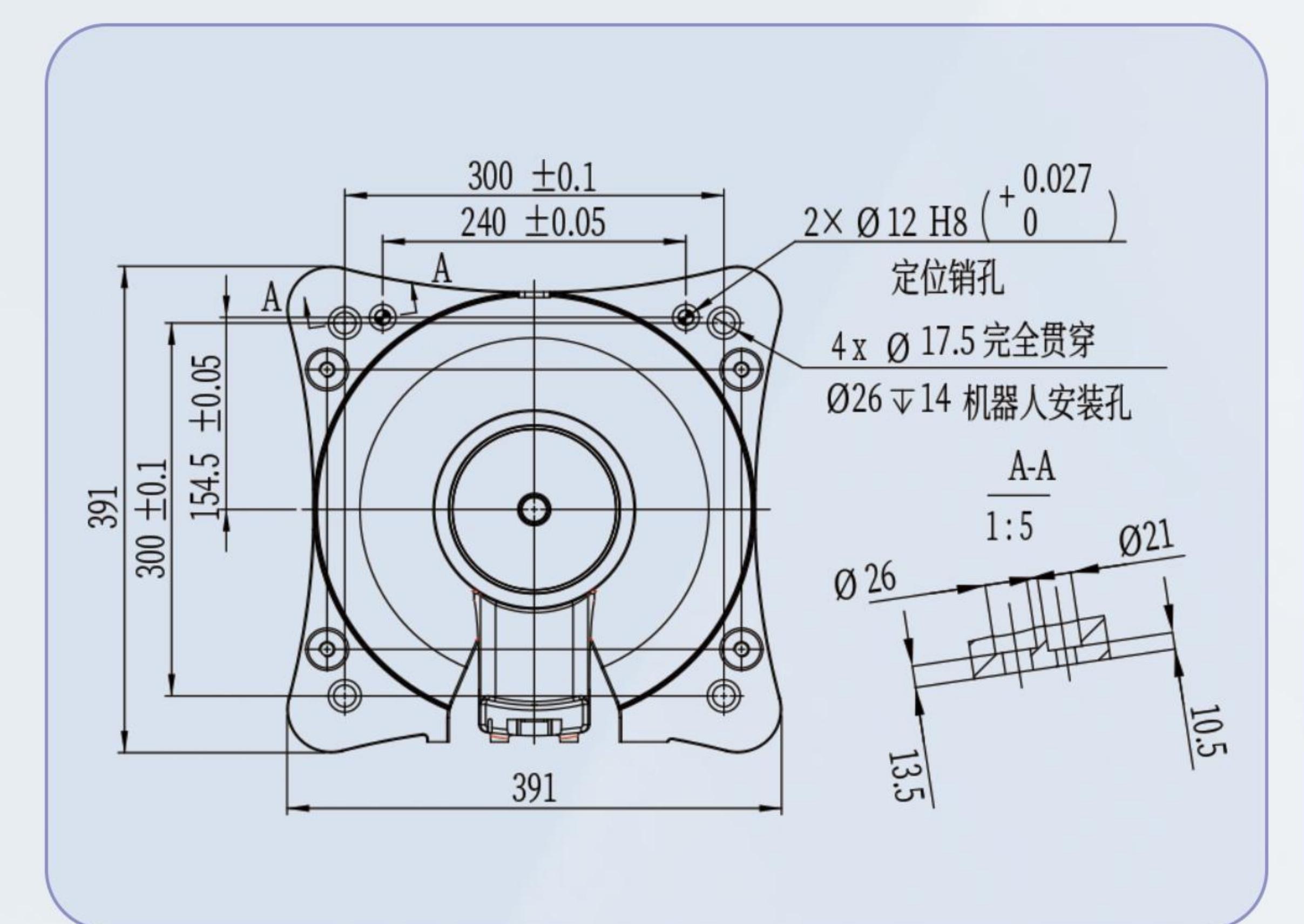
### SPECIFICATIONS

Axes	Motion range	Maximum speed	Moment	Inertia	Payload	12kg
J1	±180°	200°/s	-	-	Repeatability	±0.03mm
J2	+90°, -170°	200°/s	-	-	Max.reach	1465mm
J3	+150°, -90°	220°/s	-	-	Body Weight	130kg
J4	±180°	400°/s	23N·m	0.40kg·m <sup>2</sup>	Protection (wrist)	IP65
J5	+145°, -160°	430°/s	20N·m	0.38kg·m <sup>2</sup>	Input Power	1.2kW
J6	±360°	720°/s	9N·m	0.10kg·m <sup>2</sup>	Pre-installed Singal Cables	16cores, 0.2mm <sup>2</sup> per conductor

### WORKING RANGE



### BASE MOUNTING SIZE



### END FLANGE MOUNTING SIZE

