



Standard Specifications

RS025N-A

1st ed.	01-Jun-21
2nd ed.	08-Dec-21
3rd ed.	03-Jul-24
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Kawasaki Heavy Industries, Ltd.
Robot Business Division

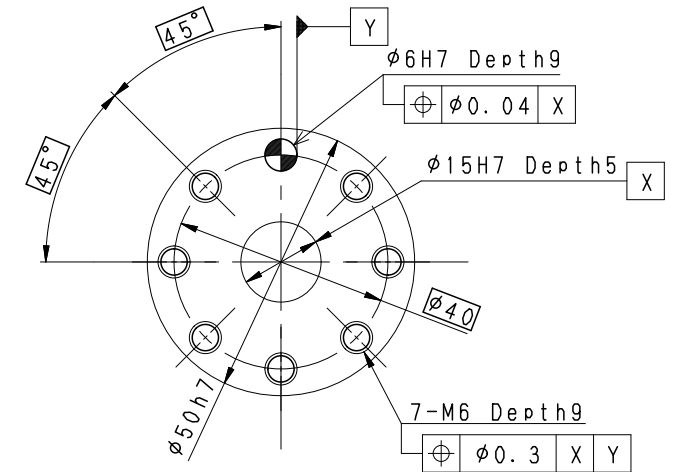
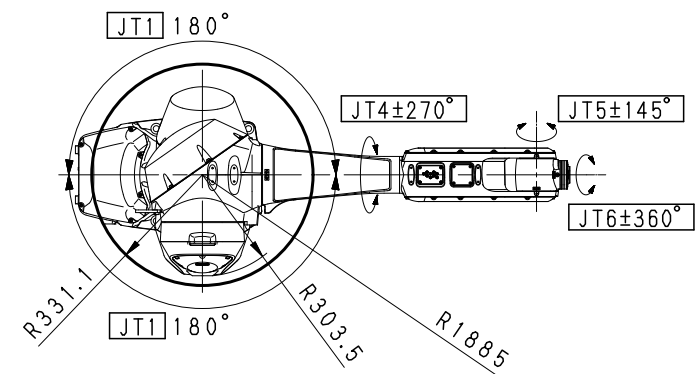
Specification number : 90151-0328DEE

Materials and specifications are subject to change without notice.

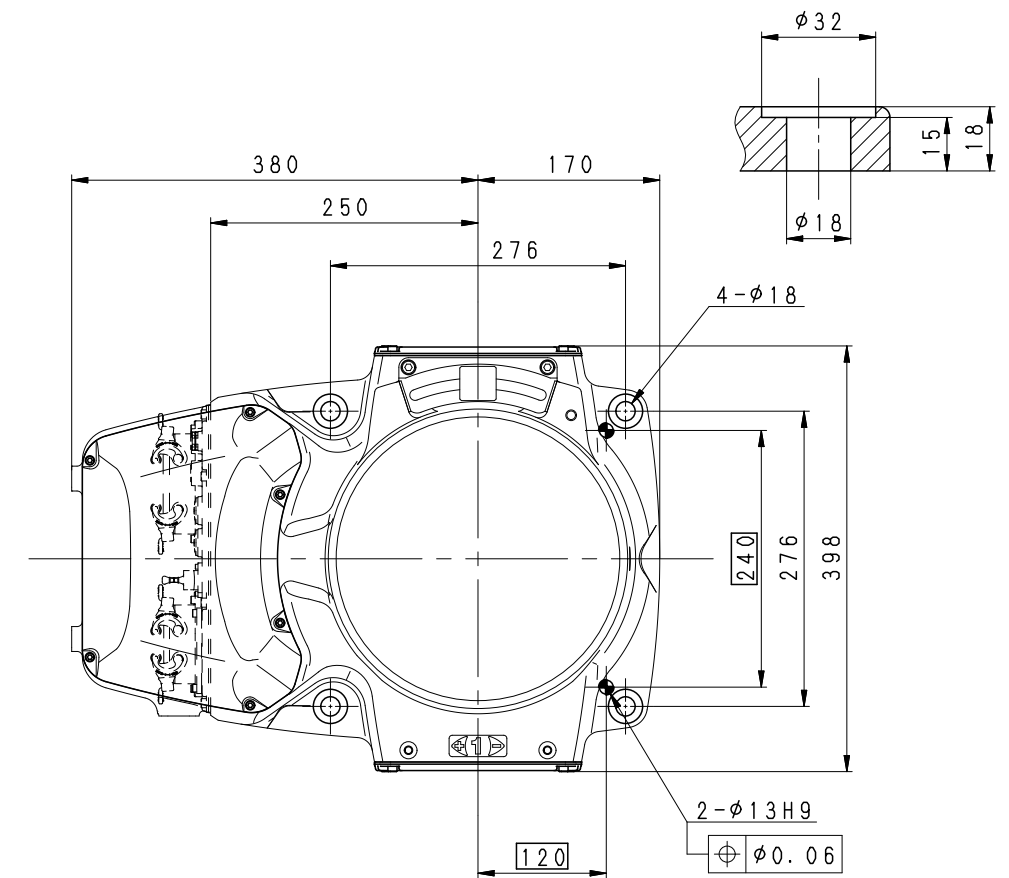
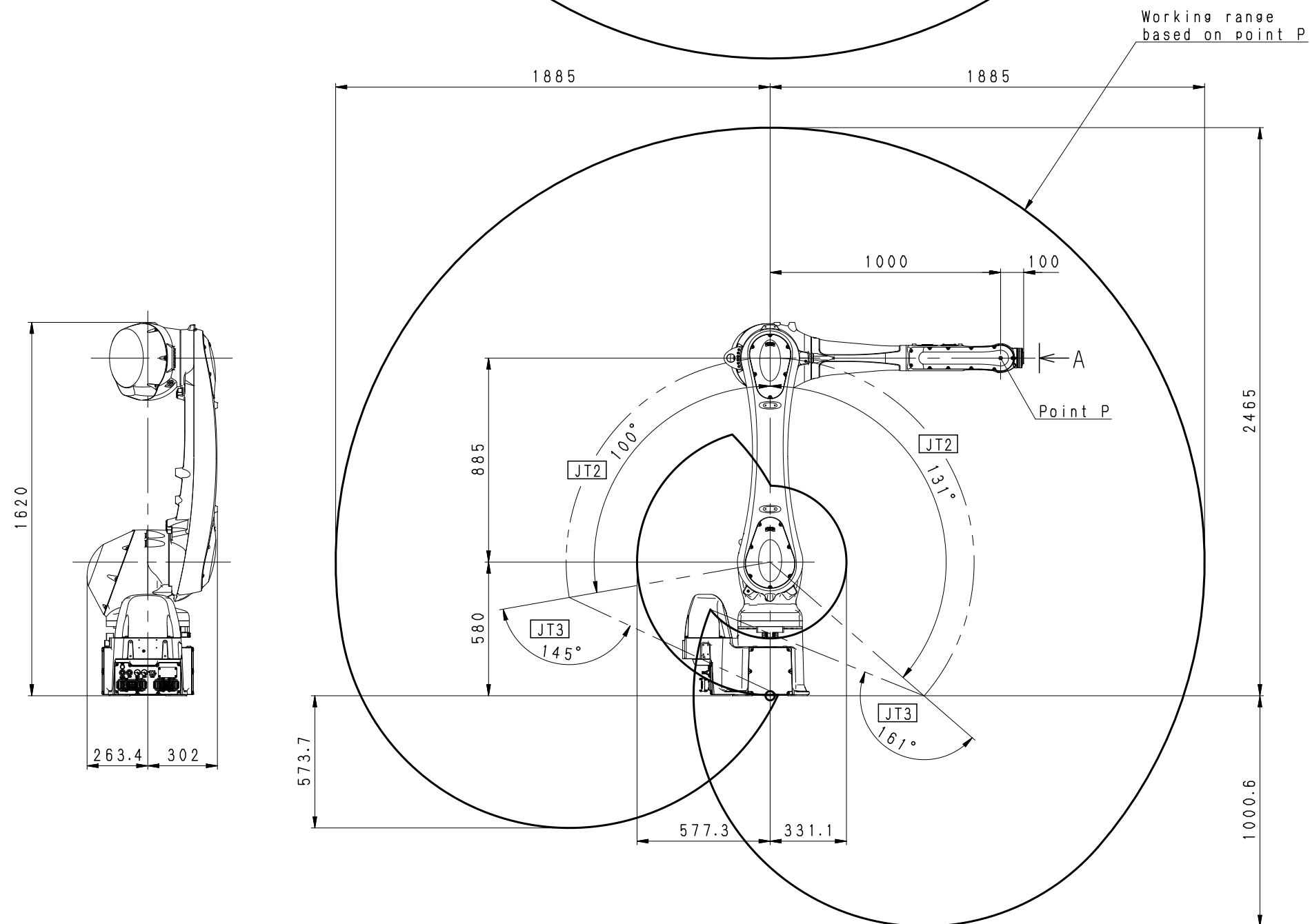
Robot specifications

1. Model	RS025N-A																						
2. Type	Articulated robot																						
3. Degree of freedom	6 axes																						
4. Max. payload	25 kg																						
5. Max. reach	1,885 mm																						
6. Position repeatability	±0.04 mm (wrist flange surface) conforms to ISO 9283																						
7. Axis specification	<table border="1"> <thead> <tr> <th>Operating axis</th><th>Motion range</th><th>Max. speed</th></tr> </thead> <tbody> <tr> <td>Arm rotation (JT1)</td><td>±180 °</td><td>215 °/s</td></tr> <tr> <td>Arm out-in (JT2)</td><td>+131 ° - -100 °</td><td>215 °/s</td></tr> <tr> <td>Arm up-down (JT3)</td><td>+145 ° - -161 °</td><td>270 °/s</td></tr> <tr> <td>Wrist swivel (JT4)</td><td>±270 °</td><td>420 °/s</td></tr> <tr> <td>Wrist bend (JT5)</td><td>±145 °</td><td>420 °/s</td></tr> <tr> <td>Wrist twist (JT6)</td><td>±360 °</td><td>780 °/s</td></tr> </tbody> </table>		Operating axis	Motion range	Max. speed	Arm rotation (JT1)	±180 °	215 °/s	Arm out-in (JT2)	+131 ° - -100 °	215 °/s	Arm up-down (JT3)	+145 ° - -161 °	270 °/s	Wrist swivel (JT4)	±270 °	420 °/s	Wrist bend (JT5)	±145 °	420 °/s	Wrist twist (JT6)	±360 °	780 °/s
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8. Load capacity of wrist	<table border="1"> <thead> <tr> <th></th><th>Max. torque</th><th>Moment of inertia*</th></tr> </thead> <tbody> <tr> <td>JT4</td><td>60 N·m</td><td>2.6 kg·m²</td></tr> <tr> <td>JT5</td><td>60 N·m</td><td>2.6 kg·m²</td></tr> <tr> <td>JT6</td><td>32 N·m</td><td>1.3 kg·m²</td></tr> </tbody> </table> Note * Each value in this table shows allowable moment of inertia of JT4/JT5/JT6 when max. allowed torque is applied to each axis. If more detailed data is required for your application, please contact Kawasaki.			Max. torque	Moment of inertia*	JT4	60 N·m	2.6 kg·m ²	JT5	60 N·m	2.6 kg·m ²	JT6	32 N·m	1.3 kg·m ²									
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JT5	60 N·m	2.6 kg·m ²																					
JT6	32 N·m	1.3 kg·m ²																					
9. Mass	270 kg (without options)																						
10. Mounting	Floor or Ceiling or Wall mounting																						
11. Installation Environment	Ambient Temperature: 0 - 45 °C																						
	Relative Humidity: 35 - 85 % (with no dew condensation)																						
12. Color	Munsell 10GY9/1 equivalent																						
13. Degree of protection	IP67 equivalent																						
14. Cleanliness	Class 6 equivalent ※Not a guaranteed value																						
15. Built-in utilities	Pneumatic piping (φ8 × 2 lines)																						
16. Options	Sensor harness	12 circuits, wired inside robot arm																					
	Solenoid valve	Double solenoid / Single solenoid valves (3 units max.)																					
	Air cleaning	Filter, Regulator, Mist separator																					
	Mechanical stopper	Adjustable stopper JT1																					
	Installation stand	300 mm, 600 mm height																					
	Base plate	750 mm × 750 mm																					

Consult Kawasaki about maintenance parts and spare parts.



VIEW A



Installation Dimensions

RS025N-A
WORKING RANGE