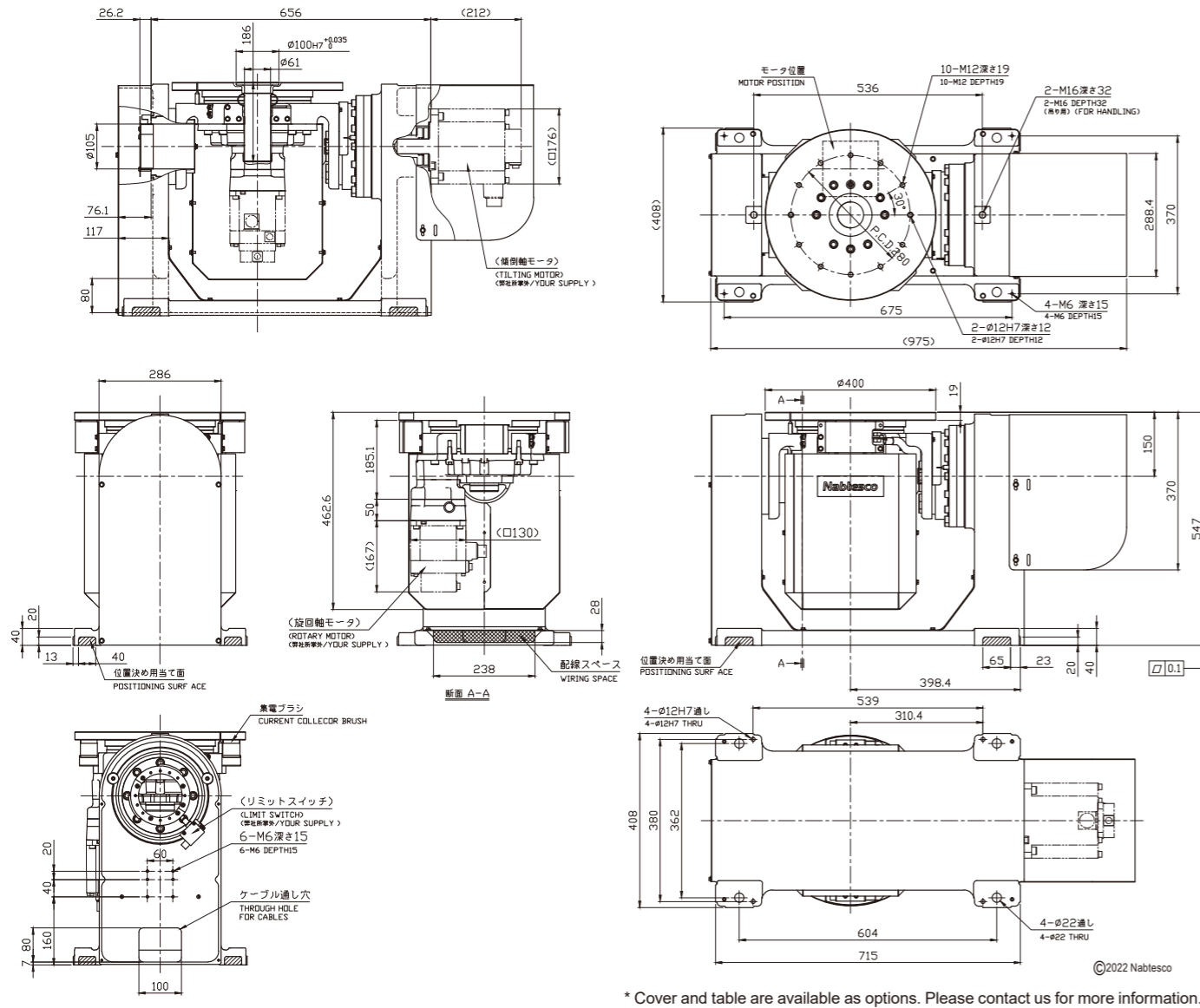


External Dimensions



* Cover and table are available as options. Please contact us for more information.



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2-axis positioner unit
supports motors from all manufacturers

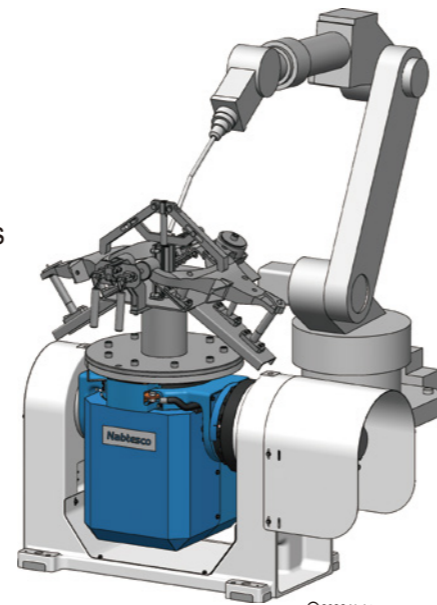


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Features

- A gearhead utilizing the industrial robot industry-proven Precision Reduction Gear RV™**
 High accuracy, rigidity, and reliability → Improved welding quality
- Able to choose from multiple reduction ratios**
 High speed, small reduction ratio → Shorter cycle and reduced production times
 Standard large reduction ratio → Support for small motors
- Support for all major servo motor manufacturers**
 Compatible for collaborative work using many different robots
- Earth unit option is available for arc welding**
 Support capacity : 300A/1 unit (Up to 2 units can be mounted.)

Application



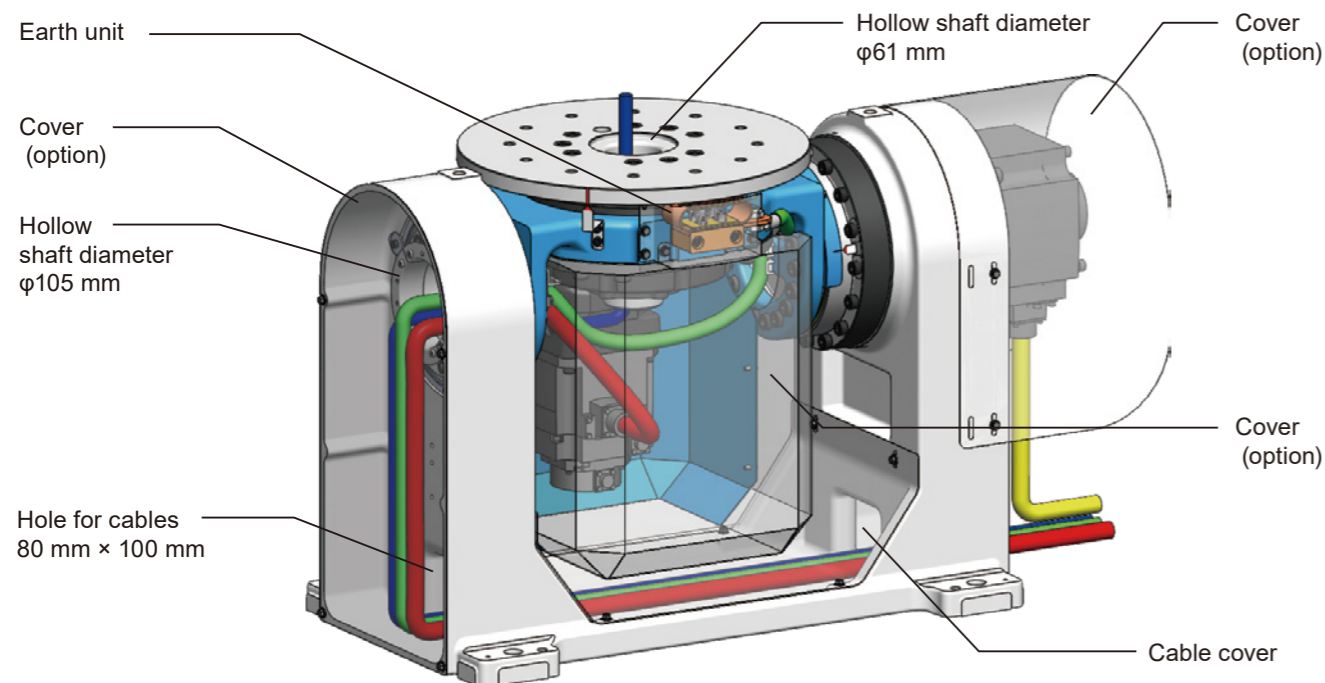
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Specification Table

Model	RVP-A05	
	Standard	High speed
Type	Standard	High speed
Maximum allowable load	500kg	
Maximum center of gravity height	300mm	
Maximum tilt angle	±135deg	
Hollow shaft diameter (Rotary axis/Tilt axis)	φ61/φ105	
Allowable startup/stop torque	Rotary axis	2,450Nm
	Tilt axis	4,000Nm
Moment of inertia I *1 (I=GD ² /4) motor input conversion	Rotary axis	8.45×10 ⁻⁴ kgm ²
	Tilt axis	1.23×10 ⁻⁴ kgm ²
Backlash・Lost motion	1 arc.min.	
Weight *2	232kg	
Reduction ratio	Rotary axis	150
	Tilt axis	156
(Reference) For a max input speed of 3,000 rpm Allowable output speed (Operation Example)	Rotary axis	20rpm (2.0sec/180deg)
	Tilt axis	19rpm (1.0sec/90deg)
		100.5
		102.81 (1131/11)
		30rpm (1.33sec/180deg)
		29rpm (0.67sec/90deg)

*1 The inertia moment value is for the reduction gear. It does not include the inertia moment for the input spline.

*2 Weight of motor flange and input spline are not included.

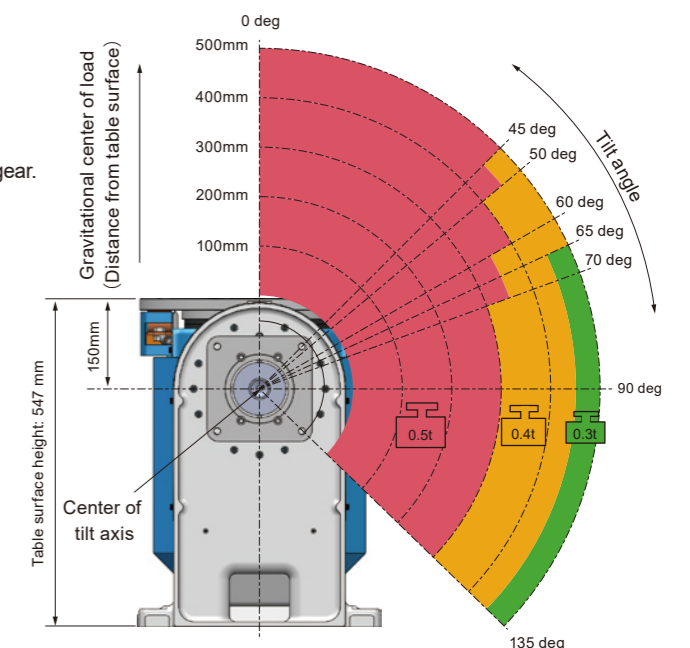


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Center of Gravity Height and Allowable Load Range

* Loading beyond this range will exceed the startup/stop torque and/or allowable moment of the reduction gear, and may damage the reduction gear.

* Loads given are reference values.



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