Kawasaki Robotics

Standard specifications

PST250-H1

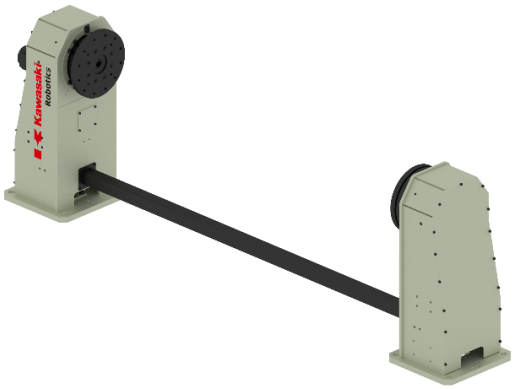
1st Edition: May 25, 2018

KAWASAKI HEAVY INDUSTRIES, LTD.

ROBOT DIVISION

DESIGNED AND MANUFACTURED BY ASTOR LTD.

1. Specification of positioner



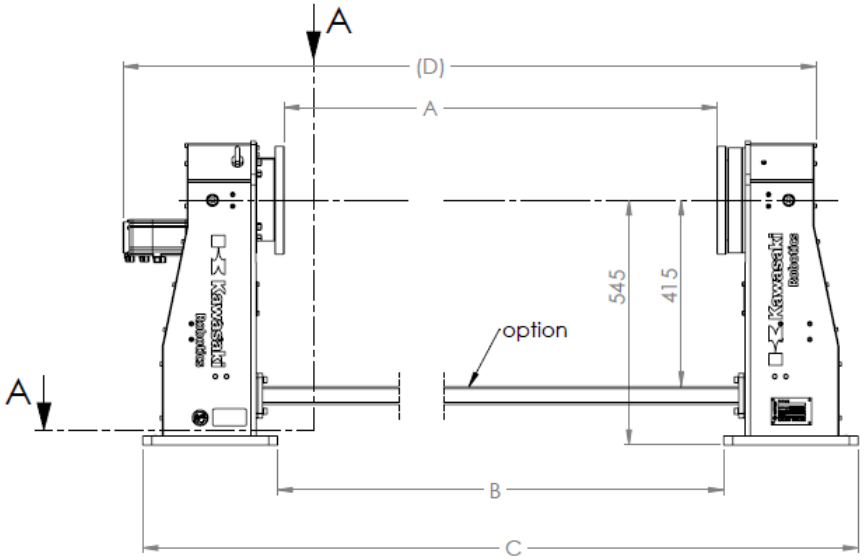
- General purpose single axis positioner,
- Horizontal rotating axis,
- Used as an external axis with Kawasaki robots (E0x controller),
- Based on Kawasaki components and according to Kawasaki standards,
- Simple/modular body design,
- Hollow shaft – for a direct supply of energy and fluids,
- Lightweight.

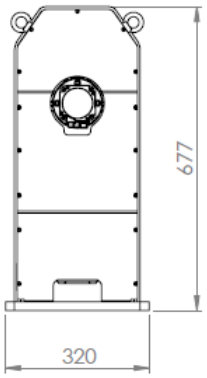
2. Technical parameters

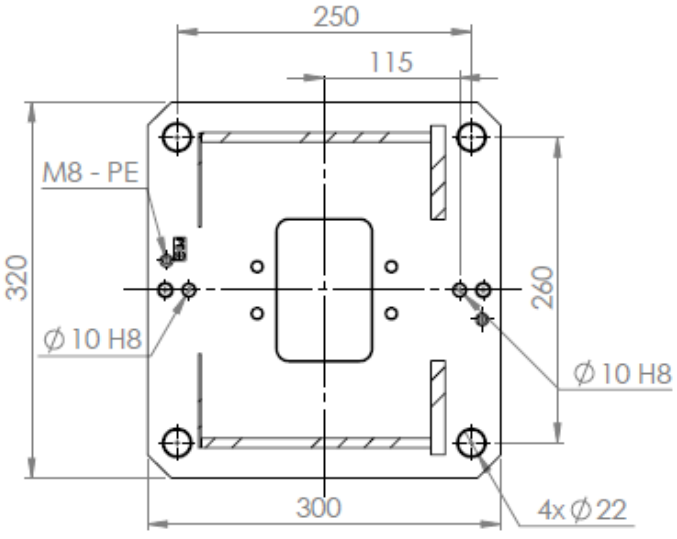
Model	**PST250-H1**
Max. payload	250 kg
Degree of freedom	1 axis
Nominal torque	265 Nm
Max. torque	660 Nm
Max. tilting torque	850 Nm
Turning range	+/-360°*
Max. rotating speed	180°/s
Repeatability	±0.05 mm**
Max. offset COG from rotating axis JT1	105 mm
Max. mass moment of inertia	80 kgm^2
Mass	150 kg
Default height of rotating axis	545 mm
Installation	Floor
Color	NCS S 0510-G50Y & RAL9011
Built-in utilities	Welding ground transfer system
Nominal weld current – 100% duty cycle	500 A
Environment cond.	0÷40°C (Humidity) 35÷85%, no dew

*possibility of setup range +/-36000
**on radius r=340mm from rotating axis

3. Dimensions



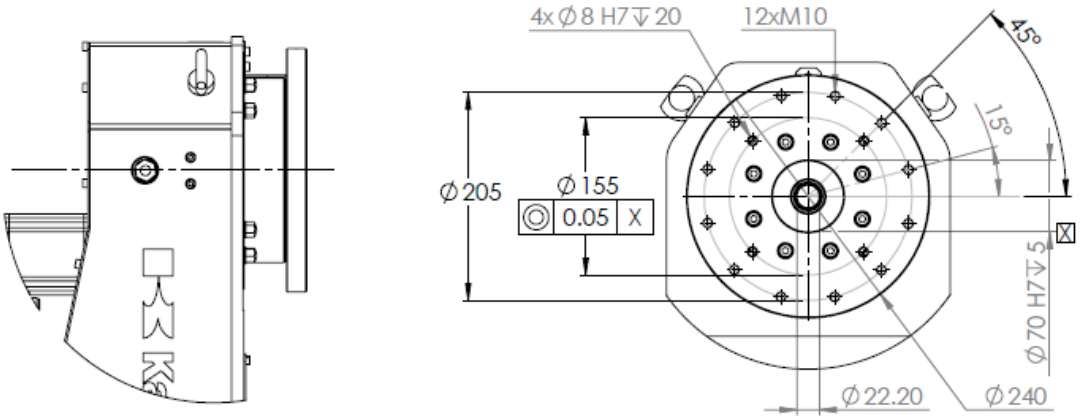




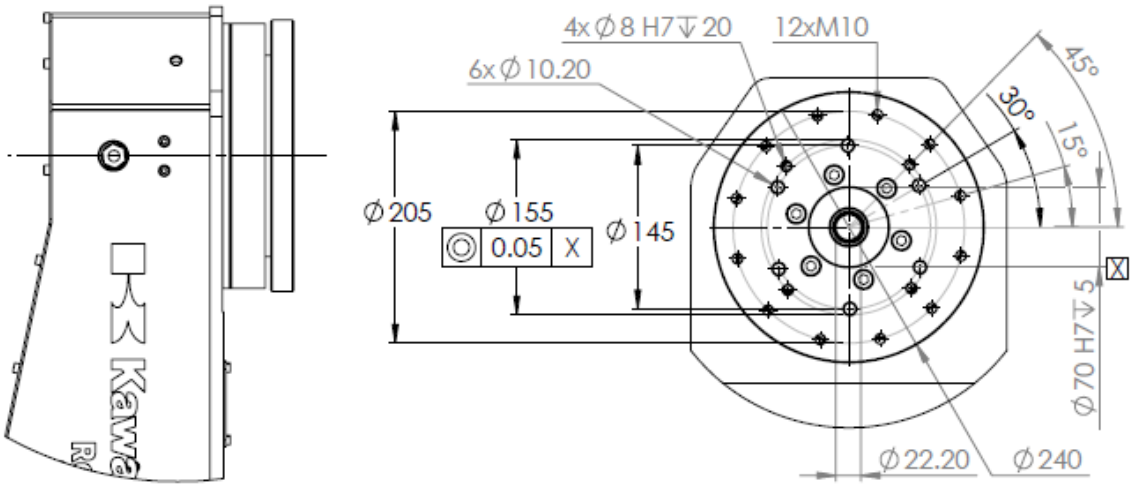
A-A
1 : 5

Dimension	A	B	C	D
	1000	1030	1630	
	1500	1530	2130	
	2000	2030	2630	
	3000	3030	3630	
	4000	4030	4630	

The backing plate of the two bases is symmetrical.



Flange motor



Flange support