EZ-0570



EITZENBERGER

Key Features

- Air Bearing Rotary Table with Direct Drive
- High Load Capacity
- Radial Runout < 0.15 μm
- 1100 U/min in Standard Version
- 1 Vpp or with Interpolation (5x, 10x, 100x)



Rotary Table EZ-0570

Design and Construction

Due to its high load capacity (up to 2200 N axial/radial), the EZ-0570 rotary stage is particularly suitable for high precission positioning of heavy loads up to 40 kg. Among other applications, the rotary table is preferably used for measuring tasks with non-contact measuring systems. Equipped with a powerful iron-core torque motor, dynamic applications can also be realized. To further reduce axial and radial error motion, the rotary table can also be operated with an ironless motor.

The measuring system (Numerik RIK4) with 18,000 lines can optionally be supplied with an interpolation factor of 5, 10, 50 or 100.

The rotor is magnetically preloaded, it is clamped to the housing when the air supply is switched off and remains fixed in its position.

There are no restrictions with regard to the installation position. Due to the materials used and because air

bearings are basically operated without lubricants, the rotary table is suitable for use in clean rooms.

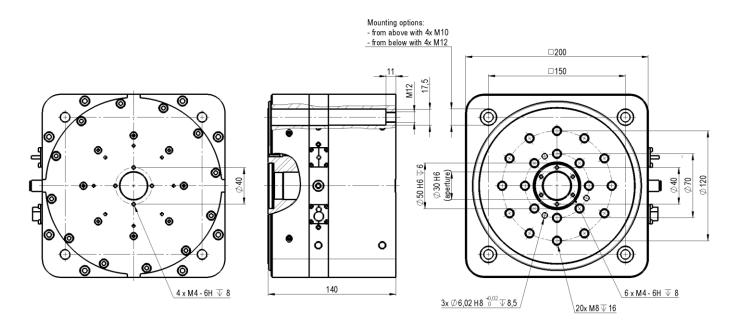
Applications

High-precision positioning and measuring systems, inspection technology, testing systems, applications with high demands on synchronization and/or repeatability of positioning.

Drive Control

We offer the rotary table EZ-0570 with the following drive controllers:

- Kollmorgen AKD P00606
- Kollmorgen Servostar S300 / S700
- ACS Controller



EZ-0570



Type Unit Value Turning Range • > 360 (unlimited) Error Motion axial (in the center) µm < 0.15 Error Motion radial (at 20 mm height) µm < 0.15 Axial Runout (along radius 35 mm) µm 2 Repeatability (uncompensated) arcsec ± 1.5 Axgular Accuracy (compensated) arcsec ± 15 Max. Speed " Unit Value Mounting Position unrestricted Length x Width X Height mm 200 x 140 Moving Mass (rotor) kg 3 Total Mass kg 15 Max. Load Capacity axial N 2200 Nominal Load Capacity radial N 2200 Nominal Load Capacity radial N 2200 Nominal Load Capacity radial N 2200 Nominal Load Capacity radial N 1600 Stiffness radial N/µm 280 Stiffness radial N/µm 0.08 Max. Moment of Tilt Nm 70 Inertial Moment kg*m² 0.019 Motiol	Specifications		
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Clean Room Suitability applicable Drive Control Kollmorgen AKD P00606 / Servostar S300			1
Standard Kollmorgen AKD P00606 / Servostar S300	-		applicable
Standard Kollmorgen AKD P00606 / Servostar S300	Drive Control		
			Kollmorgen AKD P00606 / Servostar S300
	High End		ACS Controller

1) depending on interpolation value

Subject to technical modifications and typographical errors.