The Moog Animatics ROT1 rotary actuator is a belt-driven rotary stage with low backlash and high positional accuracy. This family of rotary actuator products is ideal for high-speed indexing as well as precision rotation. With the Moog Animatics ROT1 series of rotary actuators, you will have a turnkey, easy-to-use solution for all rotary-table applications requiring moderate to high loads. These rotary stages are available with through holes from 16 mm to 100 mm, and with optional cleanroom-compliant grease. The ROT1 rotary

actuator is shipped preassembled with the Moog Animatics SmartMotor™ of your choice.* The motor can be mounted on either side of the stage to accommodate the space requirements of your application.

*Due to inertial mismatch, SmartMotor models SM23165D and SM23165DT are not recommended for direct drive of the ROT1 rotary actuators. The addition of a gearhead may be required for any application exceeding a 10:1 load to motor mismatch.

Key Features

- · Preloaded duplex angular contact bearings
- Open through-hole
- · Integrated belt reduction
- · Aluminum construction

Key Benefits

- · High load capacity, long service life
- Wire/material pass-through
- · Low backlash, high positional accuracy
- Strong but lighter weight than cast iron tables

Technical Specifications



For more details, see www.animatics.com/rot1

Also, see the Part Number Generator at www.animatics.com/pngenerator