

MAGNETIC ROTARY DRIVES

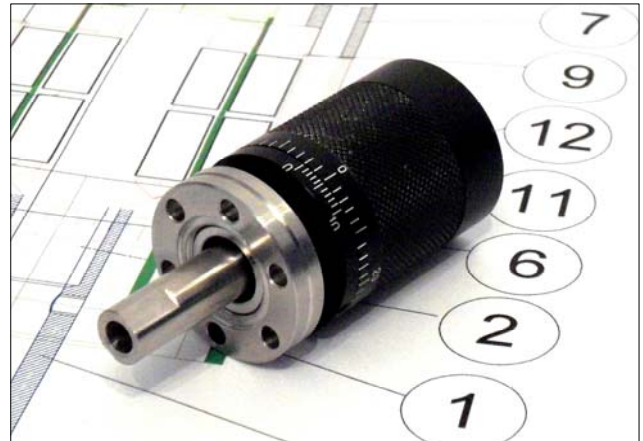
- UNIQUE MAGNETIC FEATURE
- ZERO BACKLASH
- BAKEABLE TO 300°C
- LONG LIFE

VACUO magnetic rotary drives are designed to use in ultra high vacuum (UHV).

These magnetic-drive feedthroughs have solved the problems of vulnerable bellows or dynamic seals, providing an intrinsically safe solution for the life of rotation in UHV.

The unique design of magnetic coupling circuit has evolved the range of rotary feedthroughs over the last decade.

With the application of the new magnetic materials the torque level has been increased together the bake out



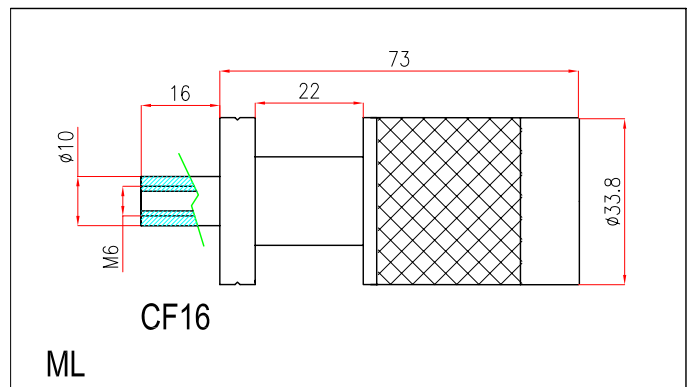
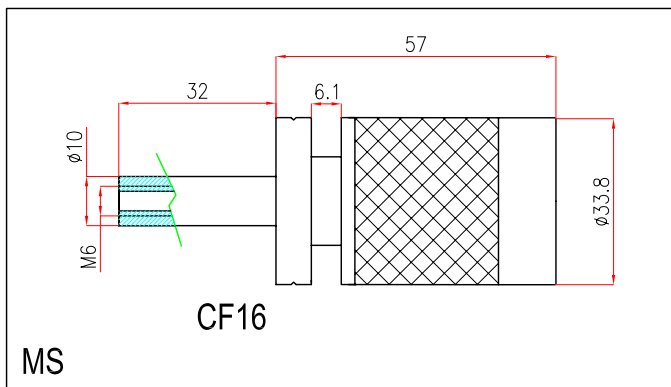
M34 - Magnetic rotary drive

temperature : so the high torque to designed size ratios are the result of a unique magnetic coupling ,which focuses the multiple magnetic fields.

In this way any stray magnetic flowlines are reduced below the earth's field ,allowing the use with sensible applications as XPS and UPS.

Model	CF flange	Type of operation	Resolution	Max speed rpm	Torque Nm		Axial Thrust N	Code
					100RPM	5RPM		
MR	CF16	manual	0.36°	100	0.2	1.0	20	TM 320
MRD	CF16	DC motorised	0.36°	100	0.2	1.0	20	TM 321
MRS	CF16	stepper motorised	0.01°	100	0.2	1.0	20	TM 322
MR-L	CF16	manual	0.36°	100	0.2	1.0	20	TM 326
MR-LD	CF16	DC motorised	0.36°	100	0.2	1.0	20	TM 327
MR-LS	CF16	stepper motorised	0.01°	100	0.2	1.0	20	TM 328

Dimensions in mm

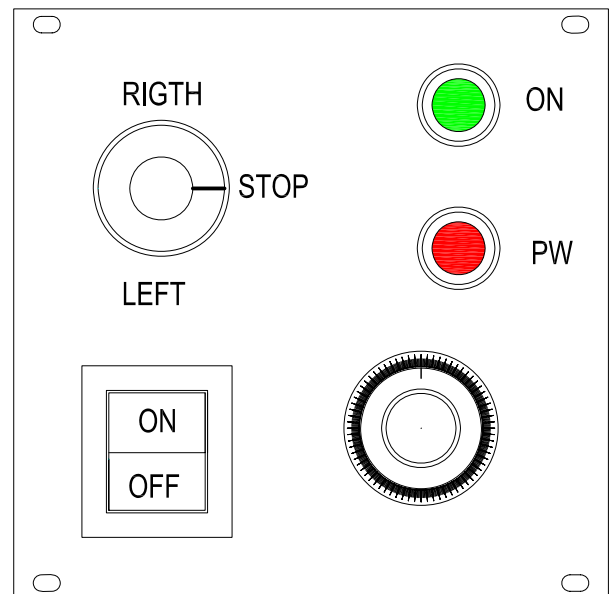


DESCRIPTION

To improve movement quality the Magnetic rotary drive M34 are motorized with a DC-Motor.
A simple solution with DC GearMotor is proposed: the module is a small, front panel mounted, low price motor driver.

VACUO DC-Controller is designed to drive 24V DC Gearmotor (Imax 4A). Housed in a rack metal case the device is very easy to use. Universally rated to ensure voltage compatibility, the controller is fully compliant with EMC regulations.

The controller provides a bi-directional output to drive a single axis motorized in either direction. Spin direction is triggered by a electronic shunter. Speed motor is selected by a 10-turns potentiometer.



DC Motor Controller

OTHER MOTORS

Considering the fast evolution of the motors and the large number of models we suggest to contact our staff to solve your requirements.

