

## Magnetic Linear Traslator (ML)

- Magnetic Coupling Screw Drive
- Bake out 300 °C
- Mounting in any position

VACUO magnetic linear 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 linear feedthroughs over the last decade. With the application of the new magnetic materials the torque level has been increased together the bake out 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.

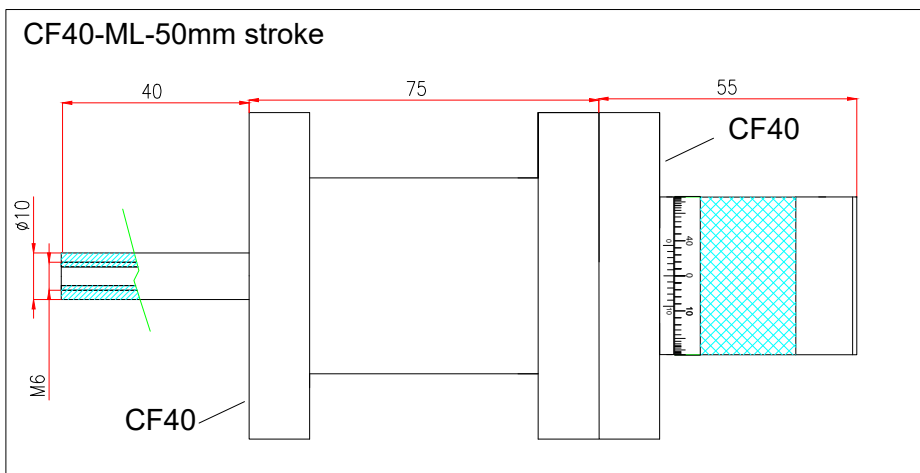
ML are made by two components : a magnetic rotary drive CF16 ROT-MAG and a sliding feedthrough; in this way the requested stroke can be manufactured easily low cost.

Additional options include ceramic ball bearings and dry lubricants for ultra clean application such as space , medical and semiconductor production.

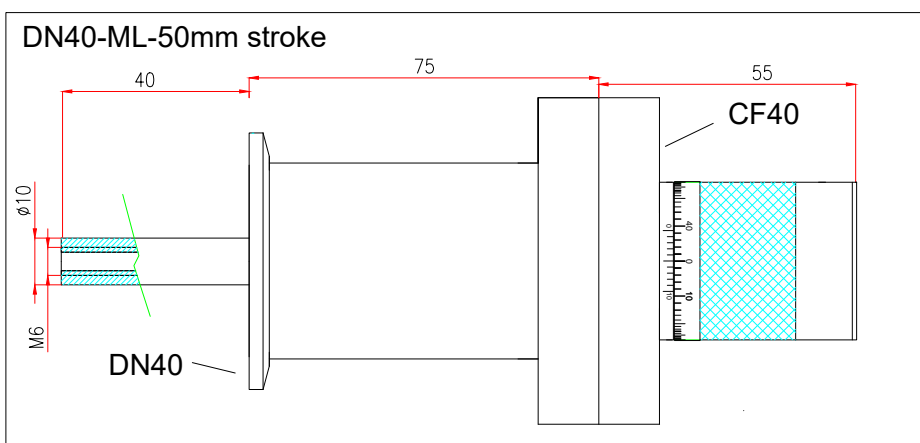
Coupling flanges are CF40 and DN40.

Bake out temperature	300°C
Break away torque	8Nm
Axial thrust	30 N
Maximum speed	100rpm
Stroke on request from	50 to 250mm
Precision : manually	0.05mm
step motor	0.005mm

CODE:TM 340 xxx (xxx=stroke in mm)



ML on CF40 flange



ML with MCP support