

DATA SHEET - M-RMJG40-###-##

Dual Rotatable Shaft Magnetic Transporter DN40CF - Slide Bearings

Introduction

The M-RMJG40 is a simple, all metal sealed, linear-rotary feedthrough with independent rotation of the inner as well as the outer shaft. It's main purpose is to transport samples between UHV-chambers. The independent rotary motion of each shaft enhances operation of sample locking mechanisms and sample carrier platforms by being able to drive and also rotate them.

Two sets of rare earth magnets on the air and vacuum side provide the necessary force to ensure a rigid coupling from the handle to the shaft. Slide bearings for linear motion throughout guarantee for smooth operation even after numerous bakeout cycles.

Specifications:

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All UHV compatible

Vacuum Range

CF flanged atm to 1x10⁻¹¹mbar

Temperature Range*

CF flanged -196 to 150°C

Load

Linear force 70N typical

Torque 5Nm typical

Retracted Shaft Length

Dual shaft 50mm



Description	Part Code			
Dual rotatable shaft magnetic transporter with slide bearings 300mm linear 50mm retracted DN40CF both shafts independently rotatable	M-RMJG40-300-50			
Dual rotatable shaft magnetic transporter with slide bearings 500mm linear 50mm retracted DN40CF both shafts independently rotatable	M-RMJG40-500-50			
Dual rotatable shaft magnetic transporter with slide bearings 750mm linear 50mm retracted DN40CF both shafts independently rotatable	M-RMJG40-0750-50			
Dual rotatable shaft magnetic transporter with slide bearings 1000mm linear 50mm retracted DN40CF both shafts independently rotatable	M-RMJG40-1000-50			
Dual rotatable shaft magnetic transporter with slide bearings Xmm linear, Ymm retracted DN40CF both shafts	M-RMJG40-X-Y			



