

DATA SHEET - M-RMJ40(#)-###-##

Dual Shaft Single Rotary Magnetic Transporter DN40CF - Slide Bearings

Introduction

The M-RMJ40 is an all metal sealed, linear-rotary feedthrough with independent rotation of the inner shaft. It's main purpose is to transport samples between UHV-chambers. The independent rotary motion can be used to operate a sample locking mechanism or to rotate a sample carrier platform. The square shaft makes this feedthrough especially sturdy. A set of rare earth magnets on the airand vacuumside provides the necessary force to ensure a rigid coupling from the handle to the shaft. It's main bearings are of the sliding type, which ensures durability and smooth operation, even over the course of numerous bake out cycles.

Pincer grips fitted to the M-RMJ40 are oriented vertically. For horizontal orientation of the pincer, see M-RMJ40(H).

Specifications:

Materials		
,	All UHV compatible	
Vacuum Range		
CF flanged a	itm to 1x10 ⁻¹¹ mbar	
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 shaft single rotary magnetic transporter with slide bearings 300mm linear, 50mm retracted DN40CF independently rotatable inner shaft	M-RMJ40-300-50
Dual shaft single rotary magnetic transporter with slide bearings 500mm linear, 50mm retracted DN40CF independantly rotatable inner shaft	M-RMJ40-500-50
Dual shaft single rotary magnetic transporter with slide bearings 750mm linear, 50mm retracted DN40CF independantly rotatable inner shaft	M-RMJ40-0750-50
Dual shaft single rotary magnetic transporter with slide bearings 1000mm linear, 50mm retracted DN40CF independently rotatable inner shaft	M-RMJ40-1000-50
Dual shaft single rotary magnetic transporter with slide bearings Xmm linear, Ymm retractedDN40CF independantly rotatable inner shaft	M-RMJ40-X-Y
Dual shaft single rotary magnetic transporter for horizontal pincer with slide bearings 300mm linear, 50mm retracted DN40CF independantly rotatable inner shaft	M-RMJ40(H)-300-50
Dual shaft single rotary magnetic transporter for horizontal pincer with slide bearings 500mm linear, 50mm retracted DN40CF independantly rotatable inner shaft	M-RMJ40(H)-500-50
Dual shaft single rotary magnetic transporter for horizontal pincer with slide bearings 750mm linear, 50mm retracted DN40CF independently rotatable inner shaft	M-RMJ40(H)-0750-50
Dual shaft single rotary magnetic transporter for horizontal pincer with slide bearings 1000mm linear, 50mm retracted DN40CF independantly rotatable inner shaft	M-RMJ40(H)-1000-50
Dual shaft single rotary magnetic transporter for horizontal pincer with slide bearings Xmm linear, Ymm retracted DN40CF independantly rotatable inner shaft	M-RMJ40(H)-X-Y





