

## DATA SHEET - M-RM#-##-###

## Single Shaft Magnetic Linear / Rotary Sample Transporter DN40CF

## Introduction

The M-RM40 is a simple, all metal sealed, linear-rotary feedthrough for ultra high vacuum applications. It's main purpose is to transport samples in between UHV chambers. A set of rare earth magnets on the air and vacuum side provides the necessary force to ensure a rigid coupling from the handle to the inner shaft. Slide bearings guarantee for smooth operation even after numerous bakeout cycles. Hollow Shaft, version, in vacuum brake & belt drive versions also available.

## **Specifications:**

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All UHV compatible

Vacuum Range

CF flanged atm to 1x10<sup>-11</sup>mbar

Temperature Range\*

CF flanged -196 to 150°C

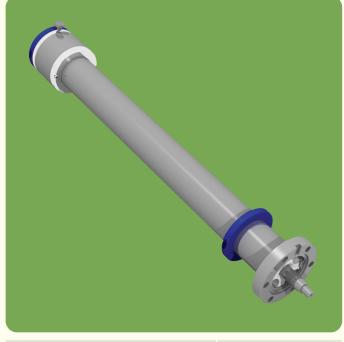
Load

Linear force 70N typical

Torque 5Nm typical

Retracted Shaft Length

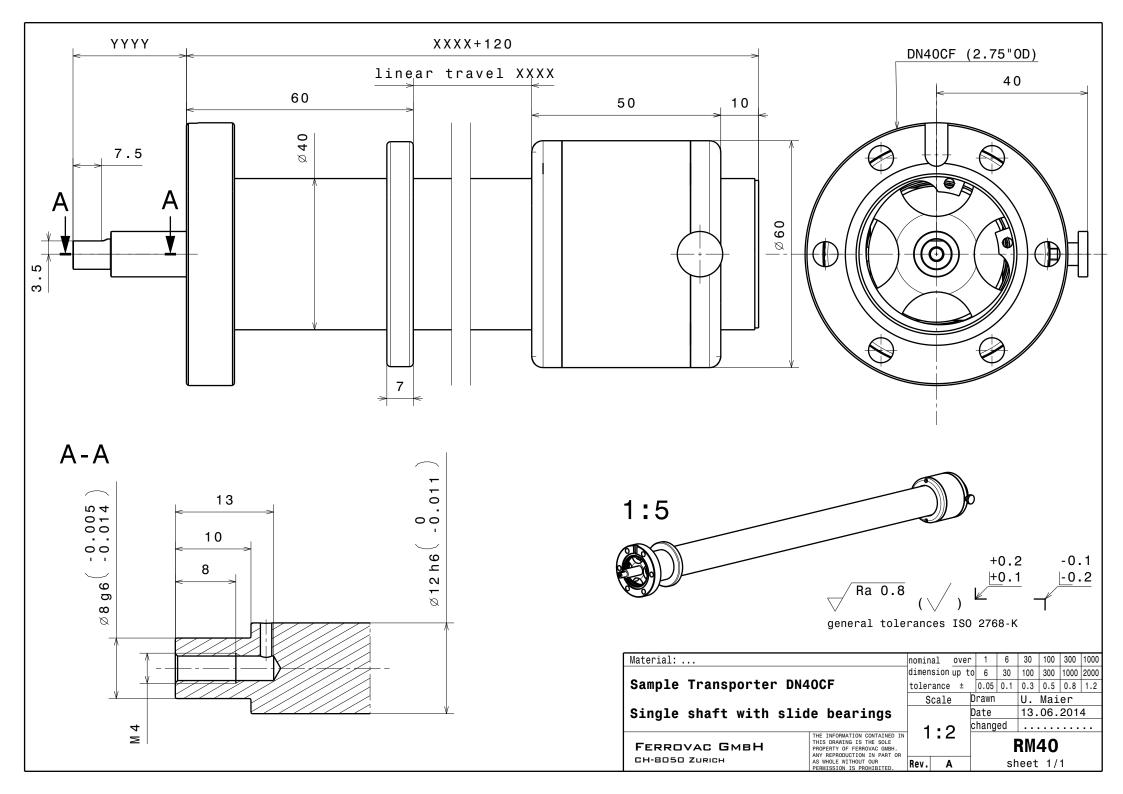
Single shaft 30mm

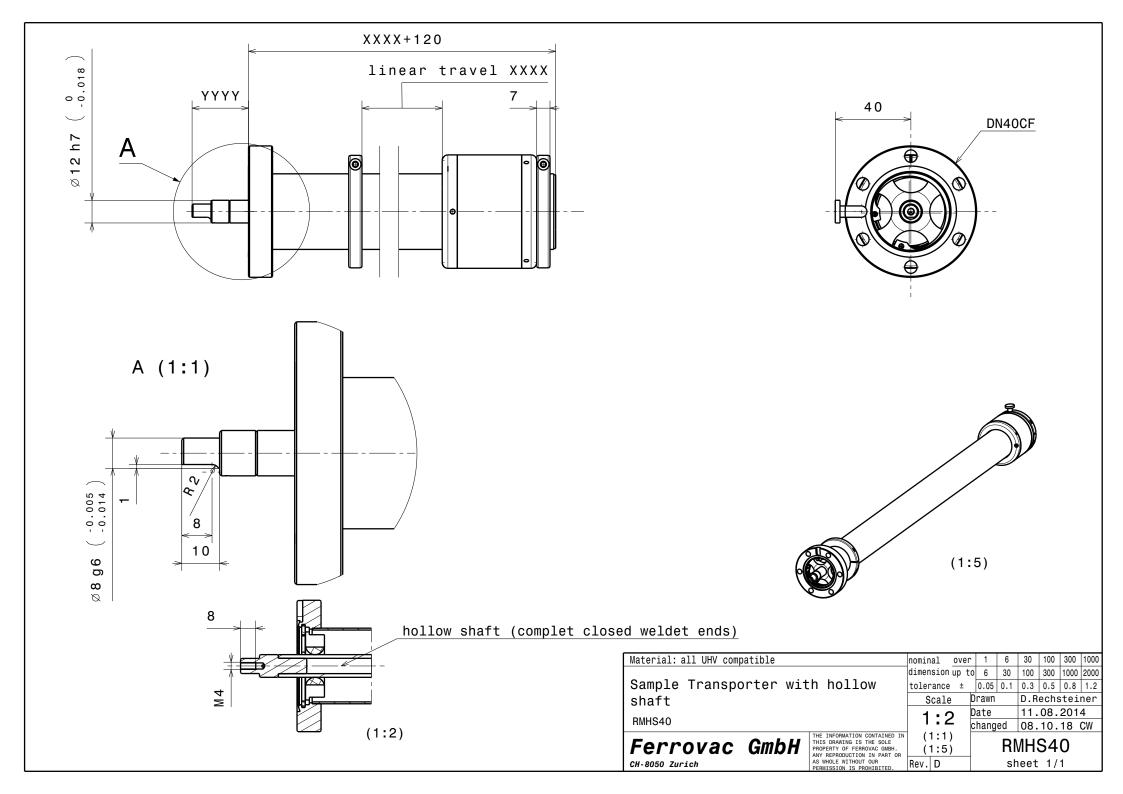


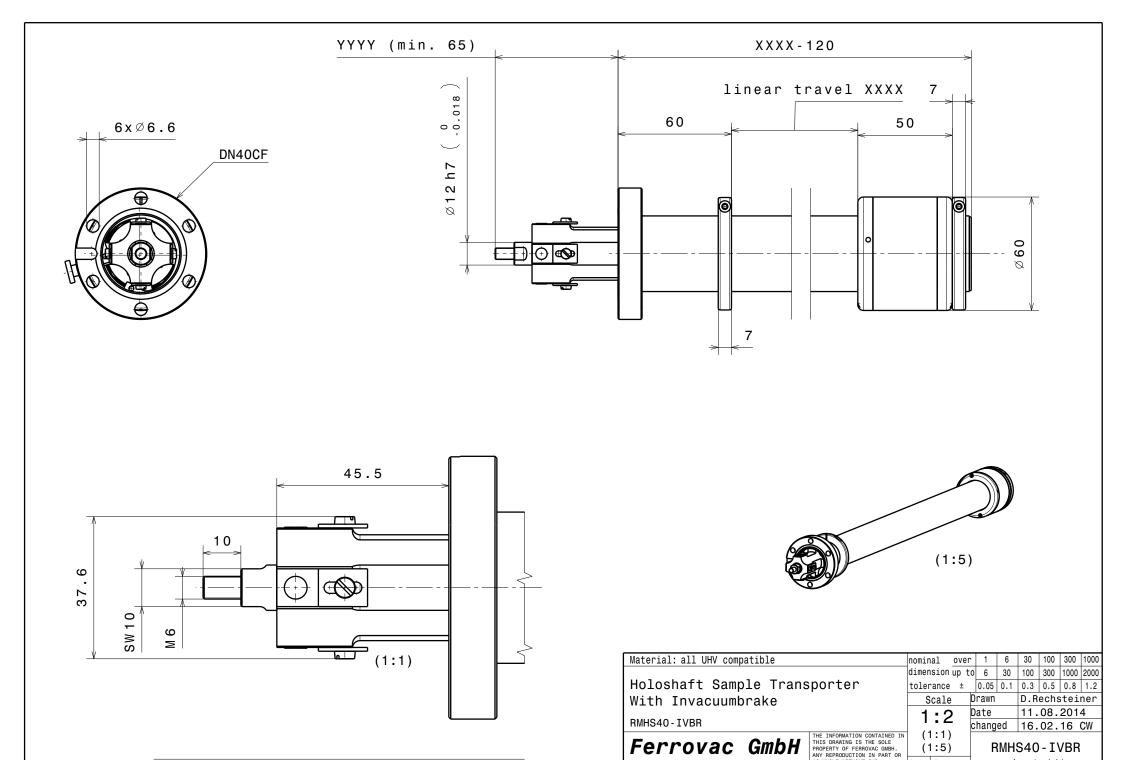
Description	Part Code	
Single shaft magnetic linear/rotary transporter with slide bearings 500mm linear 30mm retracted DN40CF	M-RM40-500-30	
Single shaft magnetic linear/rotary transporter with slide bearings 750mm linear 30mm retracted DN40CF	M-RM40-750-30	
Single shaft magnetic linear/rotary transporter with slide bearings 1000mm linear 30mm retracted DN40CF	M-RM40-1000-30	
SSingle shaft magnetic linear/rotary transporter with slide bearings 1250mm linear 30mm retracted DN40CF	M-RM40-1250-30	
Single shaft magnetic linear/rotary transporter with slide bearings Xmm linear Ymm retracted DN40CF	M-RM40-X-Y	
Single hollow shaft magnetic linear/rotary transporter with slide bearings Xmm linear Ymm retracted DN40CF	M-RMHS40-X-Y	
Single hollow shaft magnetic linear/rotary transporter with slide bearings with in vacuum brake Xmm linear Ymm retracted DN40CF	M-RMHS40-X-Y-IVBR	
Single hollow shaft magnetic linear/rotary transporter with slide bearings with in vacuum brake and belt drive Xmm	M-RMHS40-X-Y-IVBR-TSRMBD	

linear Ymm retracted DN40CF









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RMHS40-IVBR

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