

Introduction

The presented magnetic coupling is made for safety purposes for dual shaft sample transporters. Since pincer grips are opened/closed by turning the rear magnet, precise mechanical elements can be potentially damaged due to torque overload. This is prevented by a stopping pin whose rotational movement (around Z-axis) is limited within an angle range of 120deg.

Specifications:

max. linear force: ~70N
max. torque: ~5Nm
bakeout temperature: 200 °C max.
fully UHV compatible materials



Description	Part Code
Magnetic coupling with rotation stop for M-RMDG	M-MKRMDGRS