



Magnetic Coupled Feedthroughs

Transferstages – Rotary/Linear –
Viewport Shutter – UHV Wobblestick



UHV compatible , bakeable , particlefree

NEW Design: UHV magnetically coupled rotary/linear transfer rod with bellow and alignment studs



- CF 40 flange,
- stroke from 300 mm
- Square rod 10x10 mm Translation
- 6 mm shaft rotation
- Axial force 61N, torque 1.6 Nm static
- Bakeable to 200 ° C
- Overall length: 190 mm + stroke
- support mounting thread: Shaft 10 mm, inner M6 (airside at the end of the rod-housing)
- tip end customized (please specify)



UHV Magnetic Rotary Transfer Stages



Fig 1: Without 3 Axis Adjustment



Fig 2: With 3 Axis Bellow Adjustment

UHV Magnetic Rotary Transfer Stage

With Flange CF 40
(larger flanges on request)
Square tube-translational SW 15
6 mm shaft rotation (continuous)
Shaft end 10 mm (M6 inner)
61N axial force, torque 1.6 Nm static
Bakeable to 200 ° C.
Total length 135 mm + stroke
Total length 190 mm + stroke (with bellow)

Stop ring with twist
(either 0 ° or 0-120 °)

Tip Modification incl.

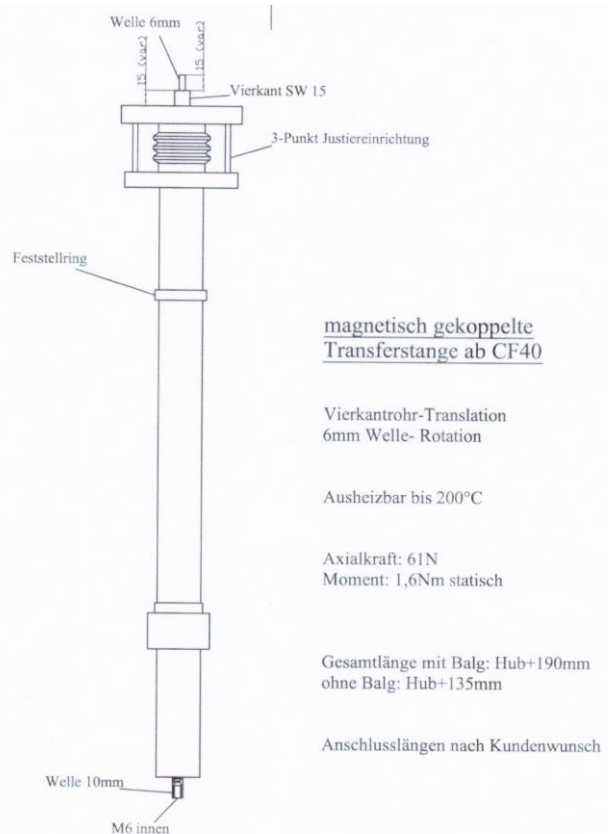


Fig 3: Schematic UHV Transfer Stage

Part.-No. Without 3 Axis Adjustment	Part.-No. With 3 Axis Adjustment	Stroke In mm	Price EURO
HOMTS300/CF35	HOMTS300/CF35/3A	300	Webshop
HOMTS400/CF35	HOMTS400/CF35/3A	400	Webshop
HOMTS500/CF35	HOMTS500/CF35/3A	500	Webshop
HOMTS600/CF35	HOMTS600/CF35/3A	600	Webshop
HOMTS700/CF35	HOMTS700/CF35/3A	700	Webshop
HOMTS800/CF35	HOMTS800/CF35/3A	800	Webshop
HOMTS900/CF35	HOMTS900/CF35/3A	900	Webshop
HOMTS1000/CF35	HOMTS1000/CF35/3A	1000	Webshop

UHV Magnetic Double Rotary Transfer Stages

UHV Magnetic Double Rotary Transfer Stage

With Flange CF 63
(larger flanges on request)
Square tube-translational SW 15
6 mm shaft rotation (continuous)
Shaft end 10 mm (M6 inner)
61N axial force, torque 1.6 Nm static
Bakeable to 200 ° C.
Total length 135 mm + stroke
Total length 190 mm + stroke (with bellow)

Stop ring with twist (either 0 ° or 0-120 °)

Tip Modification incl.

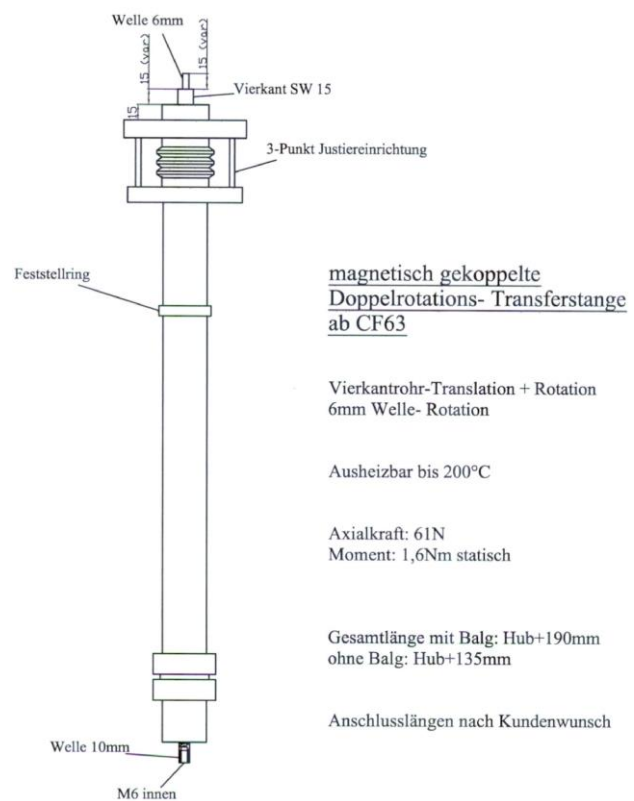
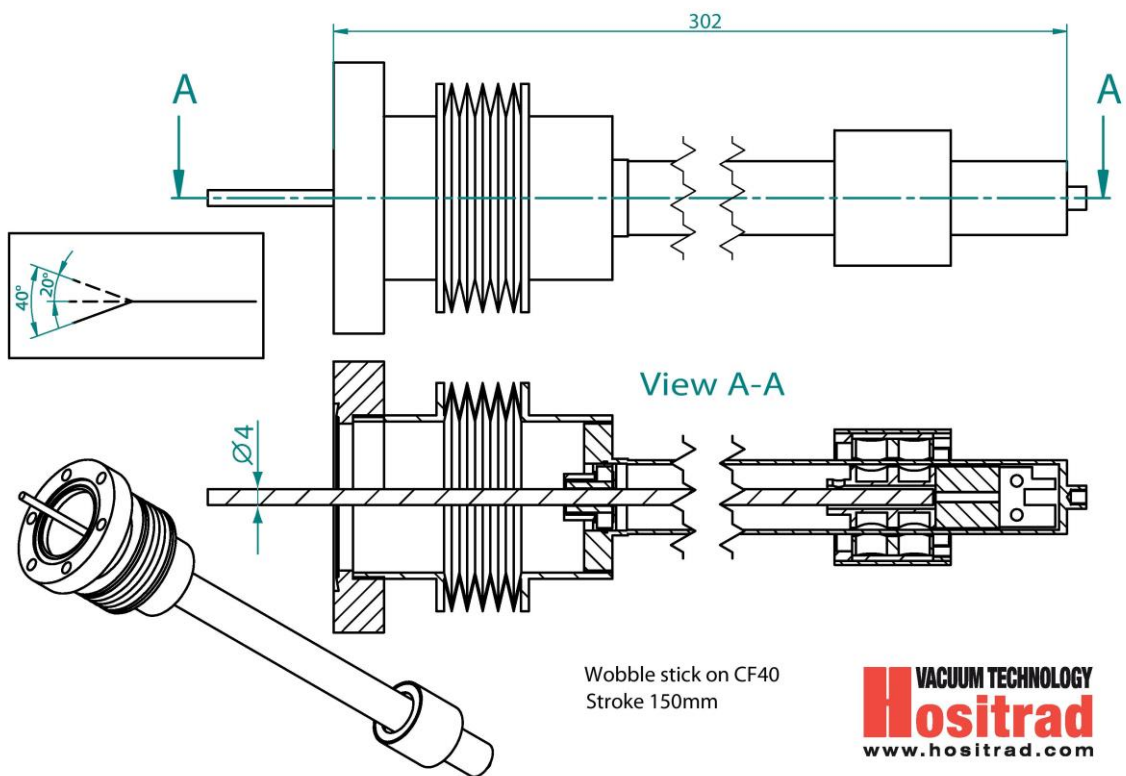


Fig 4: Schematic UHV Double Rotary Transfer Stage

Prices on request

UHV Wobblestick



Other flanges, lengths and strokes on request

UHV Mini Magnetic Transfer-/Rotary Stages

UHV Mini Magnetic Transfer-/Rotary Stage

With Flange CF16
 Stroke from 40 to 500 mm
 Overall length 102 mm @ 40mm stroke
 Shaft dia. 8mm
 Samarium Cobalt Magnet
 bakeable until 200°C
 easy disassembling , every part
 exchangeable

Options:

- *Stroke and Special Design on request
- *Lead rod structure responsible for driving the magnetic manipulator in the linear direction

Tip Modification incl.



40 mm stroke version

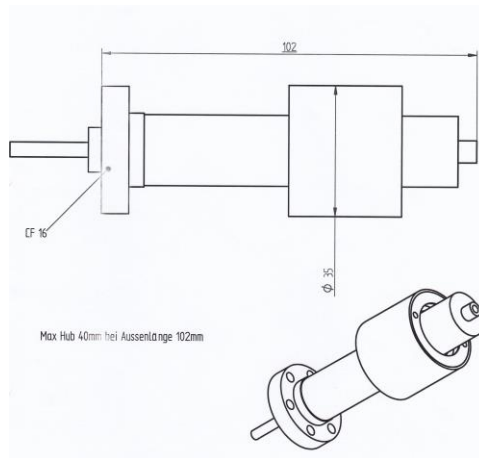
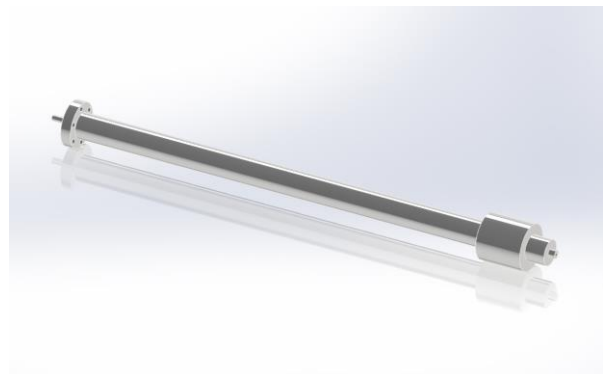


Fig 5: Schematic Mini UHV Transfer Stage

Prices on request



UHV Viewport Shutter with magnetic coupled feedthrough

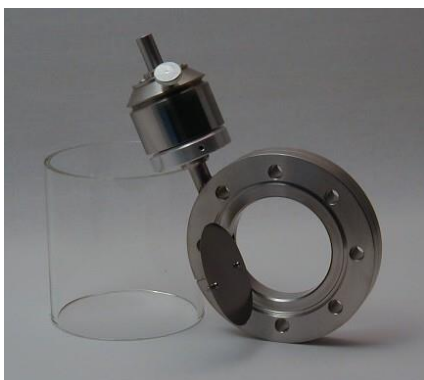


Fig 6: UHV Viewport Shutter

Part-No.	Flange Size	Price €
HOMVS/CF35	CF 35	Webshop
HOMVS/CF63	CF 63	Webshop
HOMVS/CF100	CF 100	Webshop
HOMVS/CF150	CF 150	Webshop

UHV Magnetic coupled Rotary Feedthroughs

Magnetic coupled Rotary feedthrough (extra strong), Type HOMRF

Bakeable until 200°C
Torque 2,0 Nm static
Tip Modification incl.
Special Modifications on request



HOMRF/CF35 Special with shaft 9.5 mm



HOMRF/CF35 with Steppermotor
(Prices on request)

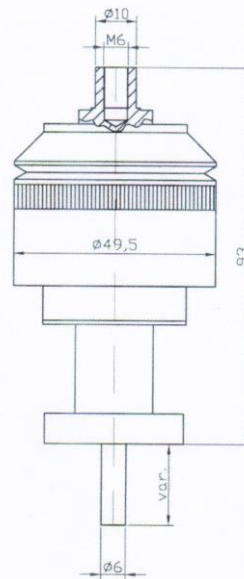


Fig 7: Magnetic coupled Rotary feedthrough

Part-No.	Flange Size	Price €
HOMRF/CF16	CF 16	Webshop
HOMRF/CF35	CF 35	Webshop

Magnetic coupled Rotary feedthrough (extra strong), Type HOMRF_coax

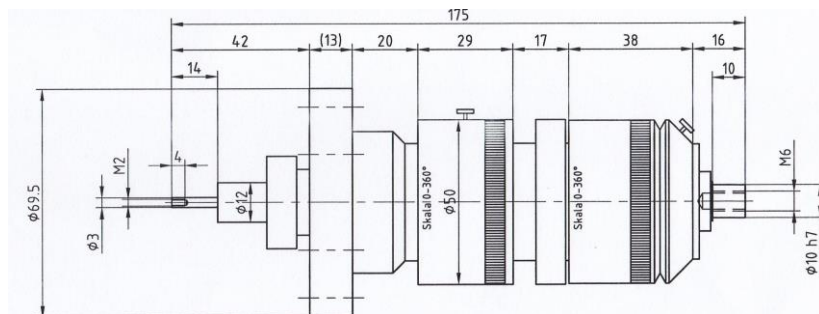


Fig 8

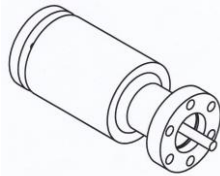
Double Rotary System (SmCo Magnets)
Inner Shaft: 1,1 Nm static
Outer Shaft: 2,1 Nm static
Rotary Speed: max. 500/min
Max Temp.: 200°C
Flanges: CF 35 to CF 150



Part-No.	Flange Size	Price €
HOMRF-coax	CF35 to CF 150	On request

UHV Magnetic coupled Rotary Feedthroughs 'Economy'

UHV Magnetic coupled Rotary Feedthroughs 'Economy'



SmCo Magnets
Bakeable until 250°C
easy disassembling ,
every part exchangeable
Bearing Inner part 3-times
(2 x radial, 1 x axial)

Tip Modification incl.

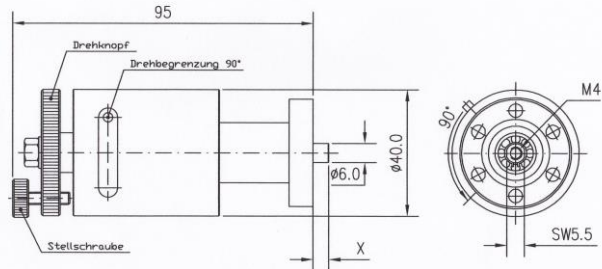
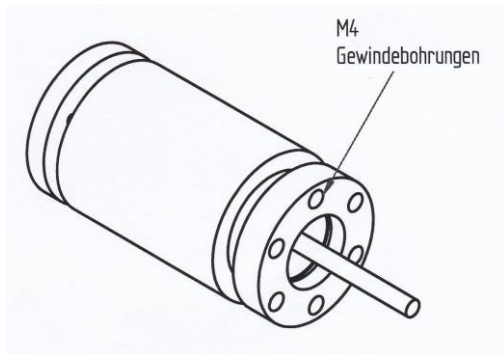


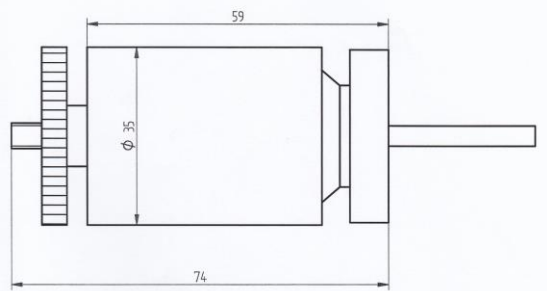
Fig 9: UHV Magnetic coupled Rotary Feedthroughs 'Economy'

Part-No.	Flange Size	Price €
HOMRF-ECO/CF16	CF16	Webshop
HOMRF-ECO/CF35	CF35	Webshop

Fig 10: 'Economy' - compact version -



With Flange tapped



Part-No.	Flange Size	Price €
HOMRF-ECO-C/CF16	CF16	Webshop
HOMRF-ECO-C/CF35	CF35	Webshop

Hositrad - Holland B.V.

De Wel 44
3871 MV Hoevelaken
Phone: (+31) 33 25 37 210
Fax: (+31) 33 25 35 274

Hositrad - Deutschland

Lindnergasse 2
D-93047, Regensburg
Phone: (+49) 941 55 82 7
Fax: (+49) 941 56 22 96