

Questionnaire: Uhing Rolling Ring Drives • Winding Technology

Answer as detailed as possible and return to the following e-mail address: sales@uhing.com

Sender

Name _____

Company _____

Phone _____

E-mail _____

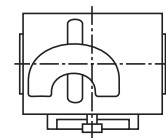
Type of application:

1. Desired scope of delivery

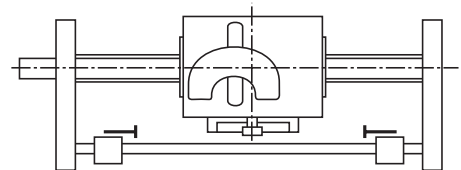
- 1.1. Rolling ring drive
- 1.2. Rolling ring drive assembly
- 1.3. Additional dust protection
- 1.4. Enhanced corrosion protection
- 1.5. Rolling ring drive shaft rotates:
 - Counter-clockwise
 - Clockwise
 - Both directions (winding and unwinding)

) e.g. only winding

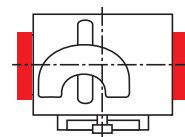
1.1.



1.2.



1.3.

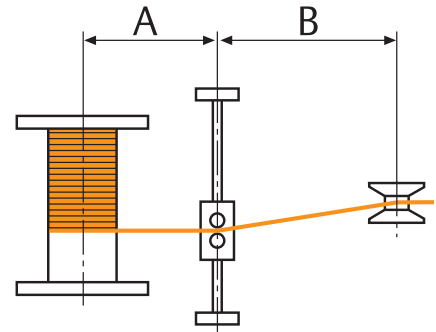


Complete customer-specific rewinding and winding systems and other automation upon separate request!

2. Distances

2.1. Dimension A = _____ [mm] (Tip: the smaller, the better)

2.2. Dimension B = _____ [mm] (Tip: the larger, the better)



3. Spool

3.1. Material _____

3.2. Core diameter D_{core} = _____ [mm]

3.3. Flange diameter D_{flange} = _____ [mm]

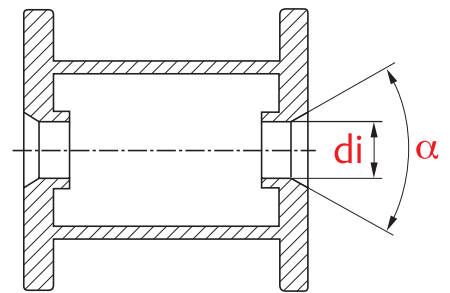
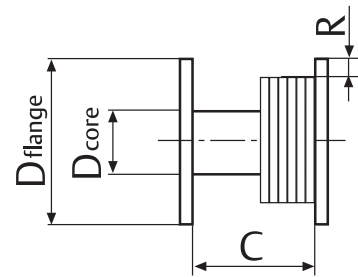
3.4. Width (max.) C = _____ [mm]

3.5. Edge width R = _____ [mm]

3.6. Maximum weight of fully wound spool _____ kg

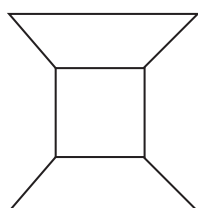
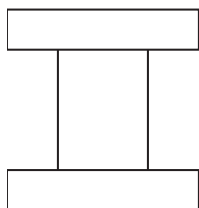
3.7. Spool inner diameter d_i = _____ [mm]

3.8. Uhing cone angle α = 60 [°]



3.9. Spool profile

Cylindrical Biconical Other: _____



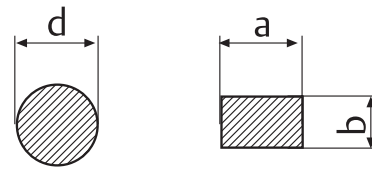
4. Material to be wound

4.1. Shape

4.1.1 Round => d = _____ [mm]

4.1.2 Flat => a = _____ [mm]

b = _____ [mm]



4.2. Material _____

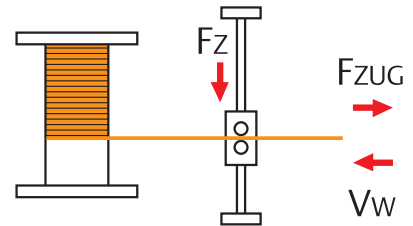
4.3. Tension force

4.3.1. Min. required tension force F_{ZUGMIN} _____ [N]

4.3.2. Max. required tension force F_{ZUGMAX} _____ [N]

4.4. Speed of the material to be wound V_w _____ [m/s]

4.5. Add. force F_z _____ [N]

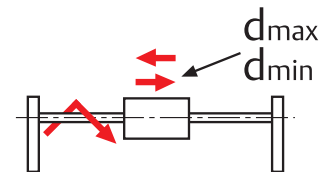


5. Parameters

5.1. Pitch = feed per revolution of spool

5.1.1. Max. traversing pitch d_{max} = _____ [mm]

5.1.2. Min. traversing pitch d_{min} = _____ [mm]

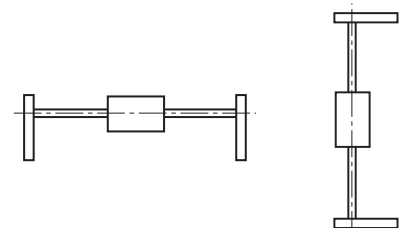


5.2. Installation position

Horizontal

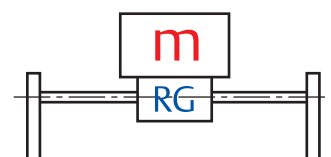
Vertical

If applicable, angle to the horizontal _____ [°]



5.3. What is the entire mass (except RG) to be moved linear?

m = _____ [kg]



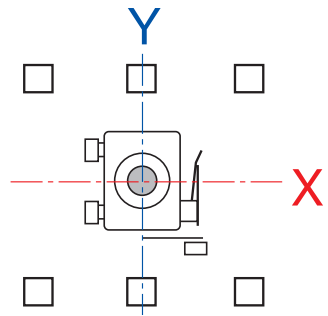
5.4. Has the mass a separate load carriage?

No

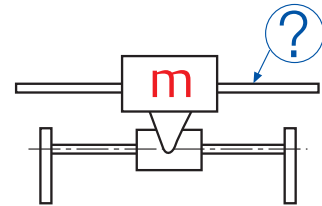
Distance of the centre of gravity of the mass from the shaft middle in direction

X = _____ [mm]

Y = _____ [mm]



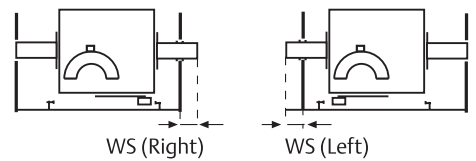
Yes, sleeve bearings
 roller bearings



5.5. Shaft extension:

5.5.1. Shaft extension side Right Left

5.5.2. Shaft extension length WS = _____ [mm]



5.6. Drive standstill while shaft rotates?

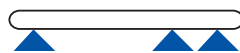
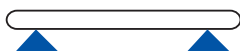
If yes, for how long and how often:

5.7. Shaft bearing specified?

single- single

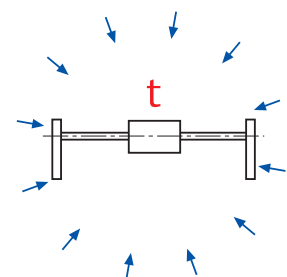
single - double

double - double

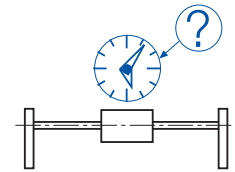


5.8. Ambient temperature

t = _____ [°C]



5.9. Average operation/day = _____ [h]



6. Additional parameters

6.1. What special regulations must be heeded?

Complete following items only if non-standard:

6.2. Traversing speed control

- 6.2.1. Standard: both traversing directions identical via scale on rolling ring drive
- 6.2.2. Infinitely remote adjustable from a support bracket
- 6.2.3. Manually with setscrews for different traversing speeds

6.3. Traversing width control

- 6.3.1. Standard: manually with end stops
- 6.3.2. With manual remote adjustment from a support bracket
- 6.3.3. With motorised remote adjustment from a support bracket

6.4. Reversal

- 6.4.1. Standard reversal occurs mechanically
- 6.4.2. Pneumatic
- 6.4.3. Delay via control lever

6.5. Additional specifications:
