Questionnaire for selecting RINGSPANN Backstops

EDMAYR ANTRIEBSTECHNIK

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Company: ..... Date: .....

Address: ..... Enquiry Ref.: .....

..... Phone: .....

Name: ..... Fax: .....

Department: ..... E-mail: .....

1. Where will the Backstop be used?

1.1 Type of machine:

_____

In the case of conveyor belts:

Angle of the steepest segment _____°

Multiple-drive? ❑Yes ❑No

If yes, number of drives _____

1.2 Backstop location:

❑ on the gearbox

❑ on the motor

❑ elsewhere: _____

1.3 Arrangement:

❑ on the shaft end
Diameter: _____ mm
Length: _____ mm

❑ on a through shaft
Diameter: _____ mm

❑ on a pulley

❑ on a sprocket

❑ elsewhere: _____

1.4 If possible, please include specification, data sheet, sketch or drawing with connection dimensions.

2. Operating data

2.1 Speed at the backstop location (backstop shaft) n_{sp} = _____ min^{-1}

Would it be possible to arrange the backstop on a high speed shaft? (higher speed = lower torque = smaller backstop)
If neccesary please give further details on the drawing.

2.2 Nominal power of motor
P_0 = _____ kW

2.3 Must the backstop also absorb the peak torque that occurs if the drive motor is started in the locking direction of the backstop (incorrectly poled drive motor)? If yes, the backstop must be substantially oversized.
❑Yes ❑No

2.4 Maximum backdriving torque
M_{max} = _____ Nm

2.5 Lifting capacity of the conveyor system
P_L = _____ kW

2.6 Efficiency of the machine between backstop and drive
η = _____

2.7 Number of daily locking processes: ____

2.8 Daily operating time: _____ hours

3. Installation conditions

3.1 ❑ Open, outside

❑ Open, in a closed room

❑ In the machine housing

❑ Lubrication by means of oil bath or oil mist in the machine housing

❑ Connection to the central lubrication system is possible

Name of lubricant:

_____

Kinematic viscosity:
_____ mm^2/s _____ ° C

3.2 Should the backstop be releasable?

❑ No ❑ Yes, in an emergency

❑ Yes, frequently

3.3 Ambient temperature on the backstop:
from _____ ° C to _____ ° C

3.4 Other (e.g. accessibility, dust susceptibility and other environmental influences that could be of significance):

_____

_____

_____

3.5 Are there any elastic elements/components located between the backstop and the installation that is to be backstopped (elastic couplings generate considerable peak torques at the moment of stopping)?

❑ Yes ❑ No

4. Estimated requirements

_____ Pieces (one-off) _____ Pieces/month _____ Pieces/year

5. Enclosures

❑ Specifications ❑ Data sheet ❑ Sketch/drawing

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