Questionnaire for selecting Brake Calipers

Edmayr Antriebstechnik GmbH
Thalham 20, 4880 St. Georgen im Attergau
Tel.: +43 7667 6840 Fax: +43 7667 20070
office@edmayr.at www.edmayr.at

EDMAYR ANTRIEBSTECHNIK

Please photocopy or use the PDF-File from our website!

Company: ..... Department: .....
Address: ..... Name: .....
..... Enquiry Ref.: .....
Phone: ..... Date: .....
Fax: ..... E-mail: .....

1. Application ❑ Stopping brake ❑ Control brake ❑ Holding brake

2. Function

Activation:	Release:	Existing pressure:
❑ spring	❑ pneumatically ❑ hydraulically ❑ electromagnetically ❑ manually with Pull Cable	_____ bar _____ bar
❑ pneumatically	❑ spring	_____ bar
❑ hydraulically	❑ spring ❑ non-releasing	_____ bar
❑ manually with threaded spindle ❑ manually with Pull Cable	❑ manually with threaded spindle ❑ manually with Pull Cable	

3. Friction block wear
Adjustment of brake ❑ Automatic ❑ Manual
Control required? ❑ Yes ❑ No

4. The following safety rules must be observed .....

5. Type of machine .....

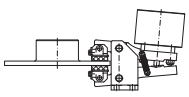
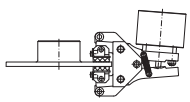
6. Part to be braked .....

7. Technical Data

Stopping brake:
Required braking torque _____ Nm
Required braking time _____ s
Reduced mass inertia moment to be braked _____ kgm²
Weight of linear masses to be braked _____ kg
Transmission up to brake shaft i _____
Driving speed v _____ m/s
Chassis wheel diameter D_R _____ mm
Angle of inclination γ _____ °
Speed before braking n_1 _____ min^{-1}
Speed after braking n_2 _____ min^{-1}
Idling speed n _____ min^{-1}
Braking cycles per hour z _____ h^{-1}

Control brake:
Tension on winding material F_S _____ N
Speed of material v _____ m/s
Max. winding diameter d_a _____ m
Min. winding diameter d_i _____ m
Length of feed reels L _____ m
Material to be wound _____
_____
_____
Duration of operation t _____ s

Holding brake:
Holding brake _____ Nm
Please note the information given under braking torques and parking torques on page 132.

8. Mounting of brake to the machine
❑ Parallel to brake disc 
❑ Right-angled to brake disc 

9. Brake disc
Required disc diameter _____ mm
Max. permissible disc diameter _____ mm
❑ Form F, without bore or roughbored
❑ Form F, with bore d_F^{H7} _____ mm
❑ Form B, without bore or roughbored
❑ Form B, with bore d_B^{H7} with keyway _____ mm
❑ Form S with Shrink Disc RLK 608 for clamping diameter d_S _____ mm

10. Installation conditions Ambient temperature from ____ ° C to ____ ° C Other information (e. g. special ambient conditions) _____

11. Estimated requirement _____ pieces (one off application) _____ pieces/month _____ pieces/year