ATEK Drive Solutions GmbH
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DESIGN FORM FOR BRAKING SYSTEM

Please use this questionnaire to record the key technical data for the braking system to be developed. Our sales team will be happy to assist you with completing the form and can clarify your specific requirements in a personal meeting. Please send the completed questionnaire to **sales@atek.de**

Company Details

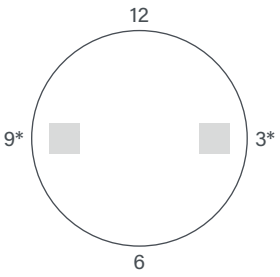
Company	
Adress	
Country	
Name, Surname	
Phone	
E-Mail	
Project Name	

1. Brake

Type of Actuator

- ☐ Mechanical (active)
- ☐ Pneumatically operated, spring opened (active)
- ☐ Hydraulically operated, spring opened (active)
- ☐ Electrically operated, spring opened (active)
- ☐ Spring-operated, pneumatically opened (passive)
- ☐ Spring-operated, hydraulically opened (passive)

Brake Arrangement



*preferred

Environmental Conditions

Minimum ambient temperature (T_{min}) ____ °C

Maximum ambient temperature (T_{max}) ____ °C

Environmental factors

(e.g., high humidity, oil-laden air, outdoor installation, etc.)

Coating

☐ C1 ☐ C2 ☐ C3 ☐ C4 ☐ C5-I ☐ C5-M

Layer thickness

____ µm

ATEX

- ☐ Yes (Please complete the ATEX form)
- ☐ No

Color scheme

- ☐ ATEK standard
- ☐ Special color

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2. Brake disc

Brake disc diameter	
Bore diameter	
Material	
Split design	
Axle height	
Brake disc thickness	
Cranked	☐ Yes ☐ No
Balanced	☐ Yes ☐ No
Balancing grade	

Additional comments

Alignment of the brake disc

☐ horizontally ☐ vertically ☐ Angle (°)

Type of torque transmission (e.g. hub, clamping set, etc.)

3. Operating Data

Application (Multiple selections possible)

☐ Operating Brake ☐ Fail-safe brake ☐ Continuous slip brake ☐ Holding brake

System Data

Operating pressure (P_{min})	bar (P_{max}) bar
Rotational speed (1/min)	
Braking torque (Nm)	
Moment of inertia (kgm²)	
Braking time (s)	
Braking frequency (1/h)	
Operating time (s)	
Motor power (kW)	
Gear ratio (if applicable)	
Brake location	

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4. Installation Space

Brake disc restrictions

Brake caliper restrictions

Other system restrictions

5. Additional Services

Steel structure ☐ Yes ☐ No

Information on steel structure

Services ☐ Yes ☐ No

Information on required services

6. Sketches and Additional Comments

Please provide any further information regarding the braking system, the environment, or the drivetrain that has not been covered in the sections above.

If you have any questions or require assistance with completing the design form, our sales team is happy to help at **sales@atek.de** or **+49 4101 7953-0**