

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

Address

Country

Name, Surname

Phone

E-Mail

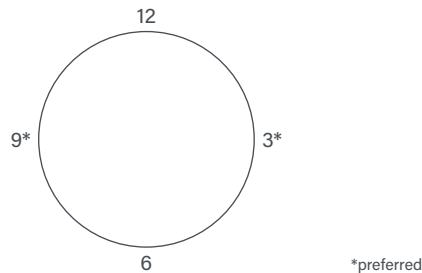
Project Name

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



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

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

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**