

# Questionnaire for the design of spring-applied brakes



Company: \_\_\_\_\_

Address: \_\_\_\_\_

Responsible department: \_\_\_\_\_ Official: \_\_\_\_\_

Inquiry - no.: \_\_\_\_\_ Date: \_\_\_\_\_ Telephone - no.: \_\_\_\_\_

## Application

- The brake is used:
- as gantry or trolley brake
  - as hoisting brake
  - as winch brake
  - for another application

## Data of the driving motor

- The motor is a
- speed controlled direct current motor
  - speed controlled three-phase motor
  - pole-changing three-phase motor
  - motor with constant speed

Motor data:	Rated output [KW]:	_____
	Rated speed [ $\text{min}^{-1}$ ]:	_____
	Highest operating speed [ $\text{min}^{-1}$ ]:	_____
	Moment of inertia [ $\text{kgm}^2$ ]	_____

## Data of the load

Maximum mass of the load moved by the driving motor [t]:	_____
Speed of the load with rated speed of the motor [m/s]:	_____
Efficiency of the power transmission from the motor to the load [%]:	_____
Braking speed [ $\text{min}^{-1}$ ]:	_____
Number of braking operations per hour:	_____
Number of emergency brakings per hour (maximum load and highest speed):	_____

## Remarks / Informations:

Place: \_\_\_\_\_ Date: \_\_\_\_\_ Signature \_\_\_\_\_