Company: _____

Address: _____

_____

Phone: _____ Fax: _____

Name: _____ Department: _____

E-mail: _____ Date: _____

1. Project details

Project designation: _____

Application:
(Industry/machine/function/performance, etc.) _____

_____

Task/function of brake system:
(Braking method of machine/task and function of brake/safety issues/effects/energy turnover etc.) _____

_____

_____

_____

_____

2. Brake type

Mode of operation: ☐ Active ☐ Passive (spring activated/fail-safe)

☐ Actively self-locking ☐ Not yet sorted out

Preferred design: ☐ Electromechanical EMB-STOP ☐ Hydraulic KTR-STOP®

☐ Does not matter

3. Technical specification: load

Braking torque: M_b _____ Nm

Is a safety factor included? ☐ Yes ☐ No ☐ Required: _____

Braking torque 2:
(Please define if necessary) M_{b2} _____ Nm as: min./max./etc. _____

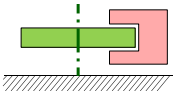
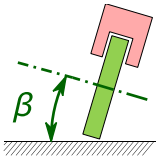
Driving resp. load torque during braking process available? M_L _____ Nm ☐ Not available

Max. speed of brake disk:
(When activating the brake) $n_{max.}$ _____ rpm

Mass moment of inertia on the brake disk:
(Complete drive train) J _____ kgm^2

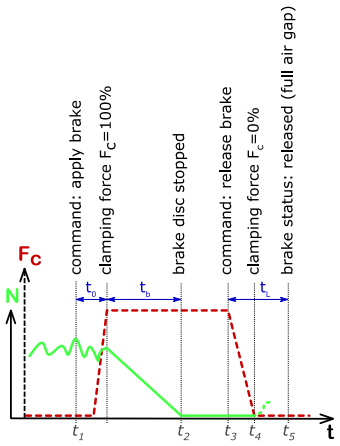
4. Geometry/mounting space

Number of brakes per disk:	z		
Brake disk Ø:	D_A		mm
Thickness of brake disk:	D_t		mm
Outside Ø flange/coupling: (Limitation of mounting space of brake)	D_c		mm
Material of brake disk:			

Mounting position of brake disk: ☐ Axis vertical  ☐ Axis horizontal β _____ 

5. Braking times

Response time required: (Time until 100 % clamping force F_c)	t_0		Sec.
Braking time, net: (Time during which braking energy is converted)	t_b		Sec.
Braking time, gross: (= t_0 + t_b)	$t_{b\ tot.}$		Sec.
Releasing time, net: (Time from release order to 0 % clamping force F_c)	$t_{L.0}$		Sec.
Releasing time, gross: (Time from release order to complete release)	t_L		Sec.
Number of actuations per annum:	$a_{p.\ a.}$		Cycles p. a.
Max. frequency: (Actuation per time unit)	$a_{p.\ m.}$		Cycles/min



6. Ambient conditions

Max. ambient temperature during operation:	T_{max}		°C	
Min. ambient temperature during operation:	T_{min}		°C	
Colour: Electromechanical EMB-STOP		☐ Standard RAL 7035	☐ Other:	
Hydraulic KTR-STOP®		☐ Standard RAL 5005	☐ Other:	
Corrosiveness class/duration of protection: (as per ISO 12944-1 and ISO 12944-2)		☐ Standard C4-H	☐ Other:	

Other specifications: _____

7. Electrical interface/connection/signals

Power supply: (Electromechanical EMB-STOP or hydraulic power pack)	☐ Standard 400 V AC/50 Hz		
	☐ Special voltage:	U_{DC} _____ V	
		U_{AC} _____ V	_____ Hz
Backup for power supply:	☐ Yes	☐ No	
Control voltage:	☐ Standard 24 V DC		
Output signal:	☐ Released	☐ Wear	
	☐ Braked	☐ Warning of wear	
Control box for EMB-STOP: (for standard power supply only)	☐ Yes	☐ No	

8. Hydraulic power pack

Hydraulic power pack scope of supply/KTR: _____

Hydraulic oils specified: _____

Features:
(e. g. emergency operation, hand pump, etc.) _____

_____

Requested feedback on hydraulics: _____

9. Intelligent module for controlled braking processes (IntelliRamp®)

IntelliRamp® required?	☐ Yes	☐ No
Required with backup?	☐ Yes	☐ No
Control size of IntelliRamp®:	☐ Continuous speed	☐ Continuous deceleration
	☐ Continuous time	☐ Other: _____

Electrical interface:
(Digital input and output/signal/bus system) _____

_____

_____

10. Documentations and specifications by QM

☐ Material quality certificate: _____

☐ Initial sample test report: _____

☐ ATEX: ☐ Yes ☐ No _____

☐ Other: _____

11. Other

Special features of application known: _____

Special requests from customers: _____

Competitive products known: _____

Installation space to be requested/known: _____
(if possible, CAD model)

Meeting with special standards: _____

_____

Other information: _____

_____

12. Sketches/photos of application