Fax questionnaire

for the designing of plates

Please complete in block capitals!

Ortlinghaus SINCE 1898
THE TECHNOLOGY OF CONTROLLED TORQUE

Sender:

Name, first name

Company

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For clutches and brakes:

Actuation type:
hydraulic ☐ pneumatic ☐
spring-applied ☐

Drive machine:
Elektric motor ☐ Combustion engine ☐
Hydraulic motor ☐ Other: _____

Drive situation: _____

Fitting situation:
Rotary axis horizontal ☐ Vertical ☐
Exposed ☐ In closed housing ☐

Shaft diameter: on drive input d_1 = _____ mm
on drive output d_2 = _____ mm

Motor data: Capacity P = _____ kW
Speed n = _____ min^{-1}

Torques on clutch or brake:
Switchable torque M_s = _____ Nm
Transmittable torque $M_ü$ = _____ Nm
Load torque M_L = _____ Nm
Course of M_L, when this changes: _____

Initial input drive speed: n_{10} = _____ min^{-1}
Initial output drive speed: n_{20} = _____ min^{-1}
Max. relative speed ratio: ^3_n = _____ min^{-1}

Conditions at switching:
Stationary ☐ Full load ☐ Without load ☐
Switching frequency S_h = _____ h^{-1}
Acceleration/deceleration time t_3 = _____ s

Moment of inertia about clutch or brake shaft axis:
Input drive side J_A = _____ kgm^2
Output drive side J_L = _____ kgm^2
Course of J_A ☐, J_L ☐,
when these change: _____

Further details:

_____

_____

_____

_____

For press clutches and brakes:

Actuation type: pneumatic ☐ hydraulic ☐

Arrangement:
Clutch and brake separated ☐ Auxiliary brake ☐
Clutch and brake combined ☐ with auxiliary brake ☐

Fitting position: Rotary axle horizontal ☐ Vertical ☐

Shaft diameter d = _____ mm

Bore diameter A = _____ mm

Driver on the shaft:
Feather keys ☐ Clamping set/contraction disk ☐

Actuation pressure: air pressure P_B = _____ bar
P_{max} = _____ bar
Oil pressure
P_B = _____ bar
P_{max} = _____ bar

Series no. _____

Version characteristics (e.g. mode of securing plates)

_____

Machine type: _____

Working mode: single stroke ☐ continuous run. ☐

Motor capacity: P = _____ kW, at n = _____ rpm

Max. pressing/shearing force F = _____ kN

Working angle at BDC α = _____ deg.

Working height at BDC h = _____ mm

Eccentic radius r = _____ mm

Lenght of the connecting rod l = _____ mm

Eccentric speed n_E = _____ min^{-1}

Clutching speed n_K = _____ min^{-1}
(state switching speed without fail)

Individual strokes per minute z = _____ min^{-1}

Moment of inertia of all masses to be braked J = _____ kgm^2
(without clutch and flywheel) about the clutch shaft axis

Course of J, if this changes _____

Ram mass including tool m = _____ kg
if not included in J

Load torque at braking M_L = _____ Nm

Course of M_L if this changes _____

Desired braking angle ç = _____ deg.

Desired braking time t_{Br} = _____ s

Envisaged solenoid valve _____

Flywheel external diameter D_S = _____ mm