



Cycle Time										
Description										
Phase No.	1	2	3	4	5	6	7	8	9	10
Stroke (mm): + : piston rod out, - : piston rod in										
Time (s)										
Inclination (°) 0° horizontal, +90° upward vertical, -90° downward vertical										
External force (N) + : pushing piston rod, - : pulling piston rod										
Mass to displace (kg)										
Coefficient of friction between load and support or coupling types (ball guide bushing, sliding guide bushing, etc.)										
Cycle frequency (cycles/min)										
Total cylinder stroke (mm)										
Any space limitations										
Axis must work "in position" mode (i.e. reaching a defined position, reacting against external forces), or "in torque" mode (i.e. pushing with controlled force against external obstacles in position not defined)?	<input type="checkbox"/> Torque <input type="checkbox"/> Position									
IT'S REQUIRED A FEED-BACK CHECK OF:										
Force (N) (brushless motor)	<input type="checkbox"/> Yes <input type="checkbox"/> No									
Position (mm) (stepping with encoder or brushless)	<input type="checkbox"/> Yes <input type="checkbox"/> No									
No. of hours/day worked (h/d)										
Temperature °C / Humidity										
Free or Non-Rotating piston rod? (Round DC cylinder has no antirotation version)	<input type="checkbox"/> Integrated into the cylinder <input type="checkbox"/> External by the customer									
Protection rate (IP)	<input type="checkbox"/> IP40 <input type="checkbox"/> IP55 <input type="checkbox"/> IP65									
"In-Line" or "Geared" motor? (where applicable)	<input type="checkbox"/> In line <input type="checkbox"/> Geared									
Need for piston rod braked with motor off (for Round DC cylinder the screw pitch 4 is irreversible)	<input type="checkbox"/> Yes <input type="checkbox"/> No									
Motor	<input type="checkbox"/> Metal Work <input type="checkbox"/> Client <input type="checkbox"/> To be evaluated (produce both solutions)									
Available supply voltage										
The control will be done with:	<input type="checkbox"/> PLC with step-dir board and "Line Driver" signals <input type="checkbox"/> PLC with step-dir board and "Open Collector" signals <input type="checkbox"/> PLC with brushless axis board <input type="checkbox"/> There is no PLC									
Field BUS, if any										
Short description, notes and draw of the possible application:										