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Free Free		α+

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)										
nclination (°) 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)?	Torque Position									
T'S REQUIRED A FEED-BACK CHECK OF:										
Force (N) (brushless motor)	□ Yes □ No									
Position (mm) (stepping with encoder or brushless)	□ Yes □ No									
No. of hours/day worked (h/d)										
Temperature °C / Humidity										
Free or Non-Rotating piston rod? (Round DC cylinder has no antirotation version)	 Integrated into the cylinder External by the customer 									
Protection rate (IP)	□ IP40 □ IP55 □ IP65									
"In-Line" or "Geared" motor? (where applicable)	□ In line □ Geared									
Need for piston rod braked with motor off (for Round DC cylinder the screw pitch 4 is irreversible)	□ Yes □ No									
Motor	Metal Work Client To be evaluated (produce both solutions)									
Available supply voltage										
The control will be done with:	 PLC with step-dir board and "Line Driver" signals PLC with step-dir board and "Open Collector" signals PLC with brushless axis board There is no PLC 									
Field BUS, if any										
Short description, notes and draw of the possible application:										