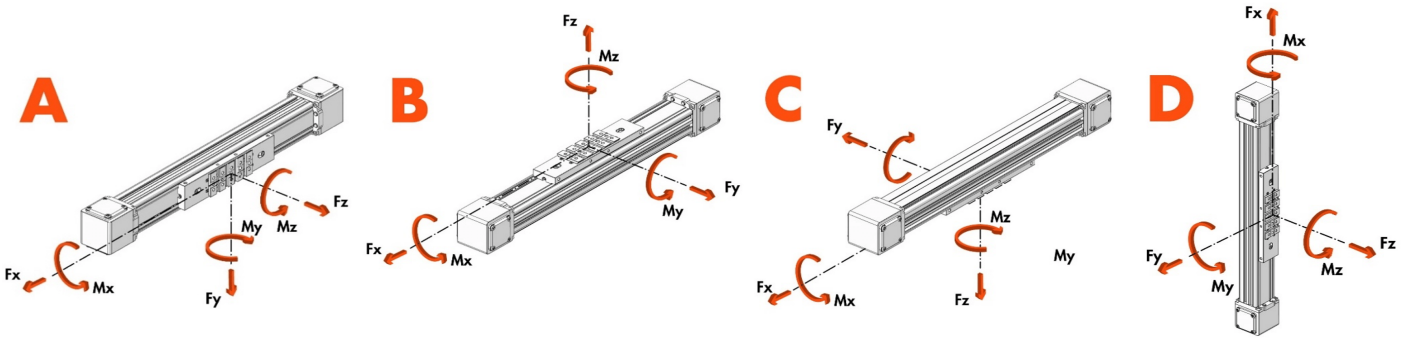
Rodless electric actuators	Company	
	Compiled by	
	Date	



Axis position	☐ A ☐ B ☐ C ☐ D

							Duty Cycle			
Phase No.	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Stroke in X (mm) +/- : according directions convention, see scheme 1										
Time (s)										
Mass to displace (kg) (i.e. gripper + part masses to move)										
EXTERNAL FORCE APPLICATION POSITION (MM) + or - : according directions convention, see scheme 2										
Xg										
Yg										
Zg										
EXTERNAL FORCE (N) (I.E. CYLINDER/SPRING FORCE TO CONTRAST) + / - : according directions convention, see scheme 1										
Fx										
Fy										
Fz										
CENTER OF GRAVITY MASS TO DISPLACE POSITION (MM) + or - : according directions convention, see scheme 2										
Lx										
Ly										
Lz										

Usefull stroke requested (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
IT'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)	
ENVIRONMENTAL CONDITIONS	
Temperature °C / Humidity	
Severity of environment use presence of dust, processing chips, etc.	
"In-Line" or "Geared" motor? (where applicable)	☐ In line ☐ Geared
Motor mounting position (where applicable)	
Need for carriage braked with motor off	
Motor	☐ Metal Work ☐ Client ☐ To be evaluated (produce both solutions)
ACCESSORIES	
cables tray chain	
Motor cable length	
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

METAL WORK PNEUMATIC	Rodless electric actuators	Company	
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Short description, notes and draw of the possible application:	