

CUSTOMER INFORMATION

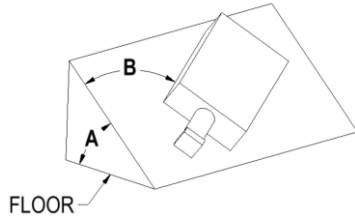
Requested By: _____ Date: _____
 Customer: _____ End User: _____
 Contact: _____ Phone: _____ Email: _____
 Program: _____ Plant: _____
 Budgetary/Concept Only Quantity: _____

APPLICATION INFORMATION

Geo model select Clinch/weld gun positioning
 Other, describe: _____
For Part Presentation Slides – use Extrusion Slide Worksheet
 Standard Part Number or slide series used as reference: _____

ORIENTATION

Angle A _____
 Angle B _____



WORK ENVELOPE (overall size not to exceed)

Length (in travel direction), mm _____
 Width, mm _____
 Height, mm _____
 Welker choice

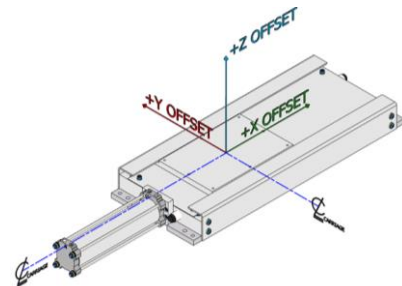
PLATEN SIZE

Length (in travel direction), mm _____ Width, mm _____
 Welker choice Drawing attached

LOAD

Payload _____ kg Notes: _____
 Location of c.g. relative the center of carriage (attach drawing if possible)

X offset, mm _____
 Y offset, mm _____
 Z offset, mm _____



Externally applied loads and direction of application:

OPERATION

Cycle Rate: _____ JPH cycles/min Other: _____

OPERATING ENVIRONMENT

Temperature Range: Standard [32°F - 104°F(0°C - 40°C)] Other: _____

Contamination: Welding Machining Other: _____

TRAVEL

Overall travel: _____ mm Number of working positions Single 2-position Multiple

If multiple position, indicate stop points: _____

Note: Pneumatic actuated units will stroke to hard stops. Hard stops on electric actuated units are for homing or overtravel only. Unless otherwise specified, 5mm overtravel will be included in each direction on electric units.

Accuracy req'd: Welker std. (see chart next page)

Other: X±: _____ mm Y±: _____ mm Z±: _____ mm

Repeatability req'd: Welker std. (see chart next page) Other: X±: _____ mm

One-way index time (electric only): _____ sec

ACTUATOR

Pneumatic, non-locking Pneumatic, locking

Electric – VFD/induction Electric - servo

Preferred manufacturer: _____ Welker choice

Electric – by customer. Provide motor mfr. and series/model number: _____

Motor voltage: _____ Brake voltage: 120VAC 480VAC 575VAC Other _____

Homing pin (servo unit only) Unless otherwise specified, homing pin will be located 5mm from retract (drive end) hard stop.

Lockout (pneumatic/hydraulic only): None Pneumatic Manual, Tru-Lok Manual, Welker choice

SWITCHES

Welker choice Smart Stops Cylinder Switches Prox Other: _____

LUBRICATION

Zerk (standard) Auto lube

BEARINGS/GUIDES (type & manufacturer)

Welker choice (standard) Other, specify: _____

STANDARD TOLERANCES (see product catalog for details)

Pneumatic Rail Slides			
Series	Stroke Tolerance*	Travel Runout	
		Y	Z
LPM/LP1/LP2	±0.20mm	0.15mm	0.40mm
R2			
NL3/WL3			

Pneumatic Plain Bearing Slides			
Series	Stop Position Tolerance*	Travel Runout	
		Y	Z
P5	±0.42mm	0.45mm	0.60mm
P7	±0.30mm	0.53mm	0.74mm

*Duplex mid-position stops ±0.80mm

Electric Slides				
Actuator	Typical Stop Position Accuracy		Typical Stop Position Repeatability	
	Lead Screw	Ball Screw	Lead Screw	Ball Screw
VFD/Induction	±1mm	N/A	±1mm	N/A
Servo	±0.08mm/100mm	±0.06mm/100mm (standard) ±0.03mm/100mm (precision)	±0.4mm	±0.10mm (standard) ±0.05mm (precision)

SKETCH/NOTES (attach additional sheets as needed)

Please E-mail completed worksheet and any attachments to worksheet@ewelker.com