

Datasheet for Linear Stepper Motor - Actuator 57F4A-05-200

Version	ST	-
Screw Diameter	9,53	mm
Step Angle	1,8	Deg.
Steps per Revolution	200	-
Screw lead	0,000313	inch/step
Screw lead	0,0079	mm/step
Screw lead	1,580	mm / Rot.
code	A	-
Linear Motor Force 1	1350	N
Linear Speed 1 (Low Speed)	2	mm/s
Linear Motor Force 2	1150	N
Linear Speed 2	4	mm/s
Linear Motor Force 3	200	N
Linear Speed 3 (Max speed)	10	mm/s
Recommend. Load Limit	880	N
Back Drive Force	658	N

Wiring	Bipolar	
Winding Voltage	5	VDC
Current	1300	mA
Resistance/Phase	3,85	Ohm
Inductance/Phase	10,5	mH
Power Consumption	13	W
Inertia	166	g.cm ²
Temperature Rise	75	Celsia
Weight	511	g
Insulation Resistance	20	MOhm

Max Linear Force Linear Stepper Motor can get is 1350 N. Linear Motor give here very low Speed only :2mm/s.

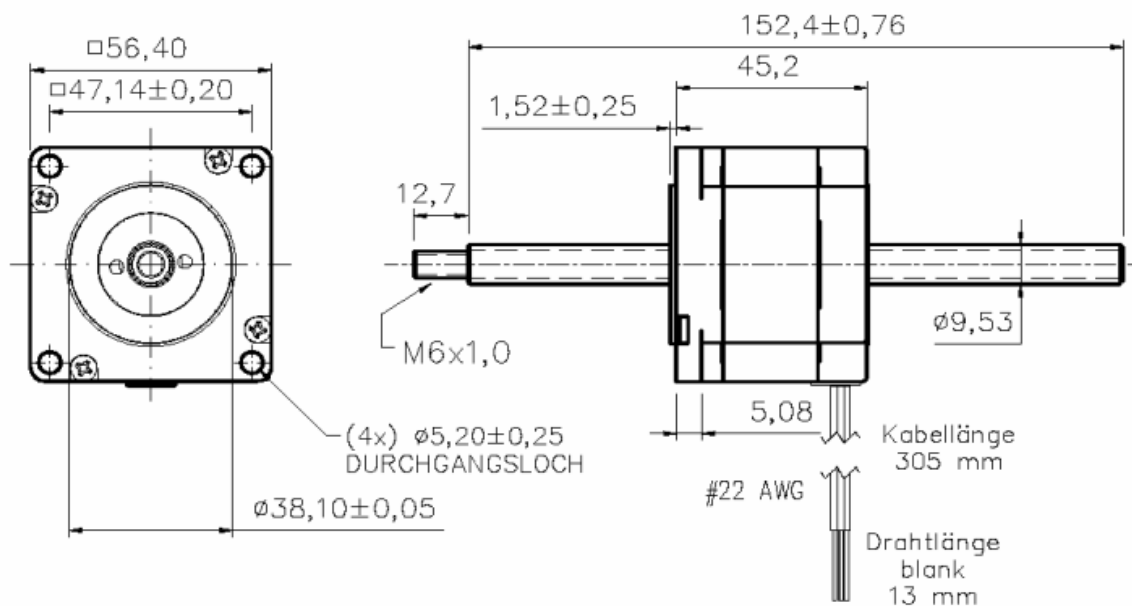
Middle Range Force is 1150N at Linear Speed 4mm/s.

Max Linear Speed this Lead Screw and Stepper Motor can give is 10mm/s with Force only 200N.

Stepper Driver should give current 1300mA. For High Speed Application would be best 8x Winding Voltage eg: 40VDC.

Linear Stepper Motor – Actuator – Dimensional Drawing

NON-CAPTIVE / SPINDEL OHNE VERDREHSICHERUNG BAUREIHE 57000 NEMA 23



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Please find more Linear Stepper Motors Catalogs and Datasheets on web : [click here.](#)

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