

Datasheet for Linear Stepper Motor - Actuator 57ST-B012-02540-C0508

Version	ST	-
Screw Diameter	15,88	mm
Step Angle	1,8	Deg.
Steps per Revolution	200	-
Screw lead	0,0005	inch/step
Screw lead	0,0127	mm/step
Screw lead	2,540	mm / Rot.
code	3	-
Linear Motor Force 1	2600	N
Linear Speed 1 (Low Speed)	2	mm/s
Linear Motor Force 2	1500	N
Linear Speed 2	8	mm/s
Linear Motor Force 3	200	N
Linear Speed 3 (Max speed)	11	mm/s
Recommend. Load Limit	2200	N
Back Drive Force	890	N

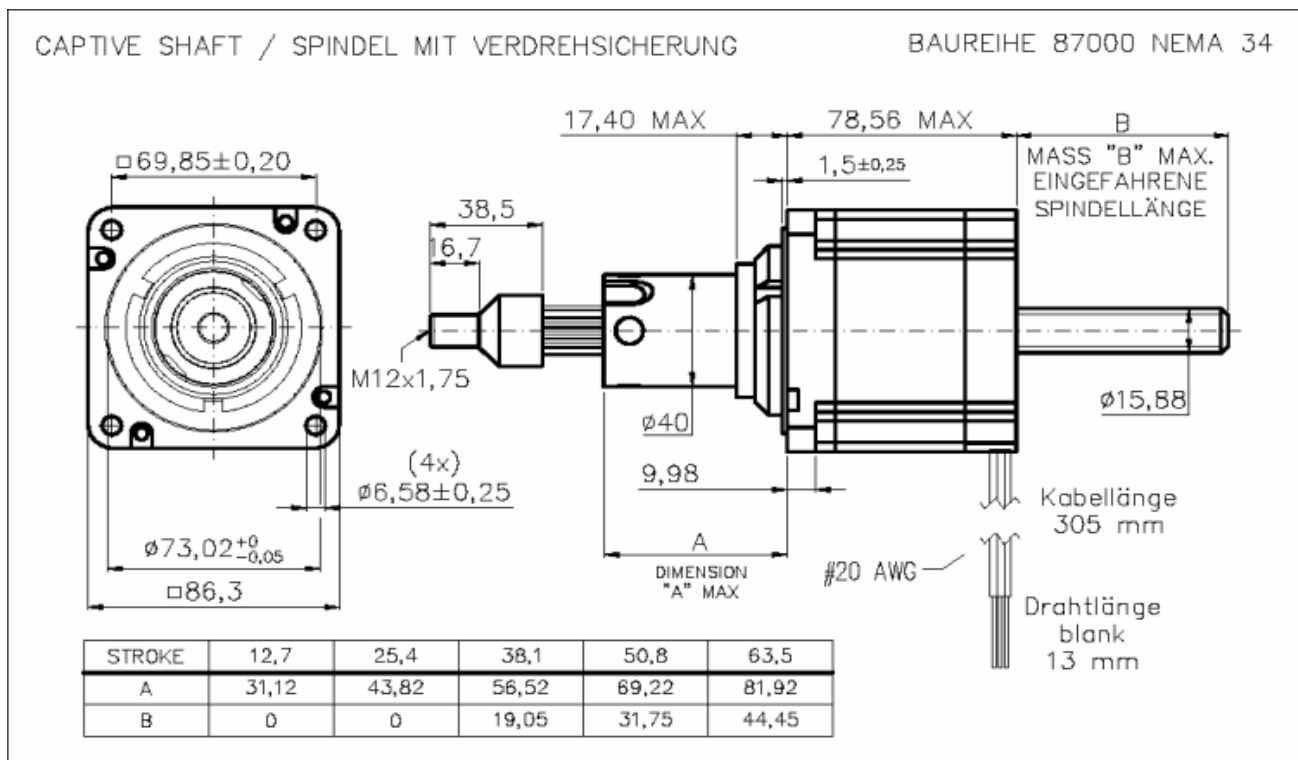
Wiring	Bipolar	
Winding Voltage	12	VDC
Current	1300	mA
Resistance/Phase	9,23	Ohm
Inductance/Phase	51	mH
Power Consumption	31,2	W
Inertia	1760	g.cm ²
Temperature Rise	75	Celsia
Weight	958	g
Insulation Resistance	20	MOhm

Max Linear Force Linear Stepper Motor can get is 2 N. Linear Motor give here very low Speed only :1500mm/s.

Middle Range Force is 8N at Linear Speed 200mm/s.

Max Linear Speed this Lead Screw and Stepper Motor can give is 2200mm/s with Force only 11N.

Linear Stepper Motor – Actuator – Dimensional Drawing



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