

Datasheet for Linear Stepper Motor - Actuator 21H4AE-2.5

Version	ST	-
Screw Diameter	3,5	mm
Step Angle	1,8	Deg.
Steps per Revolution	200	-
Screw lead	0,00157	inch/step
Screw lead	0,04	mm/step
Screw lead	8,000	mm / Rot.
code	AE	-
Linear Motor Force 1	12	N
Linear Speed 1 (Low Speed)	0	mm/s
Linear Motor Force 2	7	N
Linear Speed 2	47	mm/s
Linear Motor Force 3	0	N
Linear Speed 3 (Max speed)	65	mm/s
Recommend. Load Limit	45	N
Back Drive Force	2	N

Wiring	Bipolar	
Winding Voltage	2,5	VDC
Current	490	mA
Resistance/Phase	5,1	Ohm
Inductance/Phase	1,5	mH
Power Consumption	2,45	W
Inertia	1,4	g.cm ²
Temperature Rise	75	Celsia
Weight	43	g
Insulation Resistance	20	MOhm

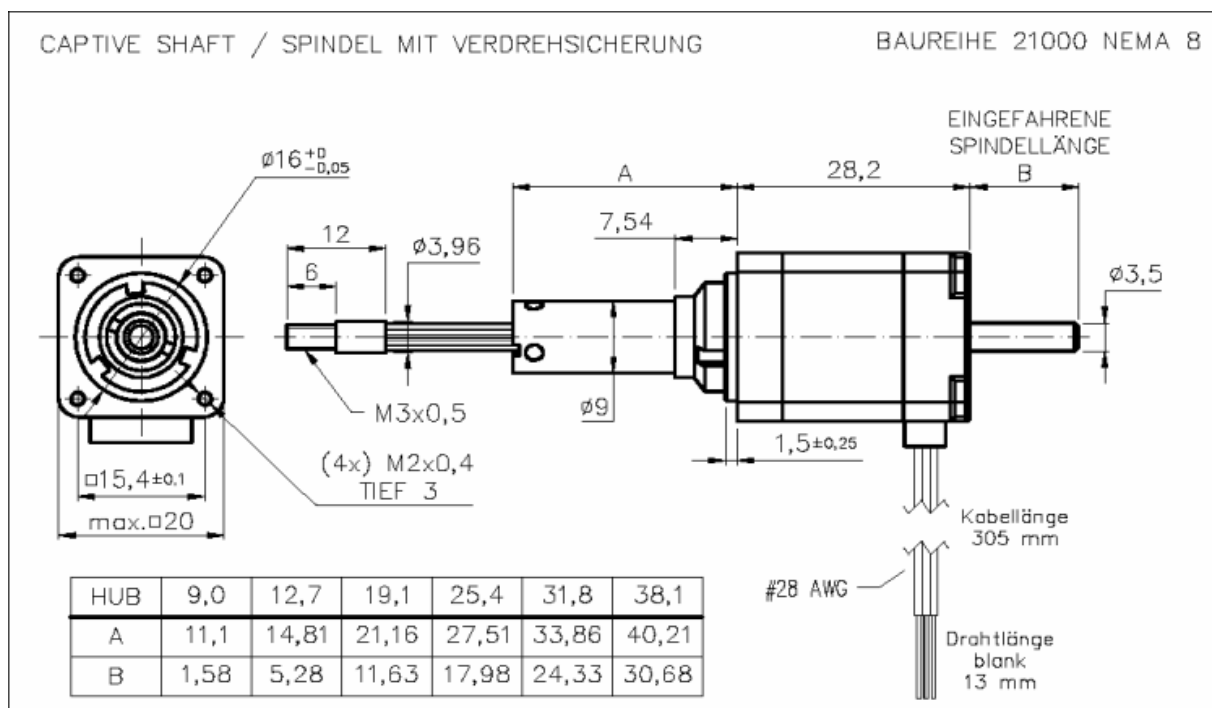
Max Linear Force Linear Stepper Motor can get is 12 N. Linear Motor give here very low Speed only :0mm/s.

Middle Range Force is 7N at Linear Speed 47mm/s.

Max Linear Speed this Lead Screw and Stepper Motor can give is 65mm/s with Force only 0N.

Stepper Driver should give current 490mA. For High Speed Application would be best 8x Winding Voltage eg: 20VDC.

Linear Stepper Motor – Actuator – Dimensional Drawing



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Max Linear Speed this Lead Screw and Stepper Motor can give is 65mm/s with Force only ON.

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

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