

Datasheet for Linear Stepper Motor - Actuator 28H41-05-812

Version	ST	-
Screw Diameter	4,76	mm
Step Angle	1,8	Deg.
Steps per Revolution	200	-
Screw lead	0,001	inch/step
Screw lead	0,0254	mm/step
Screw lead	5,080	mm / Rot.
code	1	-
Linear Motor Force 1	30	N
Linear Speed 1 (Low Speed)	3	mm/s
Linear Motor Force 2	15	N
Linear Speed 2	25	mm/s
Linear Motor Force 3	3	N
Linear Speed 3 (Max speed)	45	mm/s
Recommend. Load Limit	130	N
Back Drive Force	9	N

Wiring	Bipolar	
Winding Voltage	5	VDC
Current	420	mA
Resistance/Phase	11,9	Ohm
Inductance/Phase	6,7	mH
Power Consumption	4,2	W
Inertia	9	g.cm ²
Temperature Rise	75	Celsia
Weight	119	g
Insulation Resistance	20	MOhm

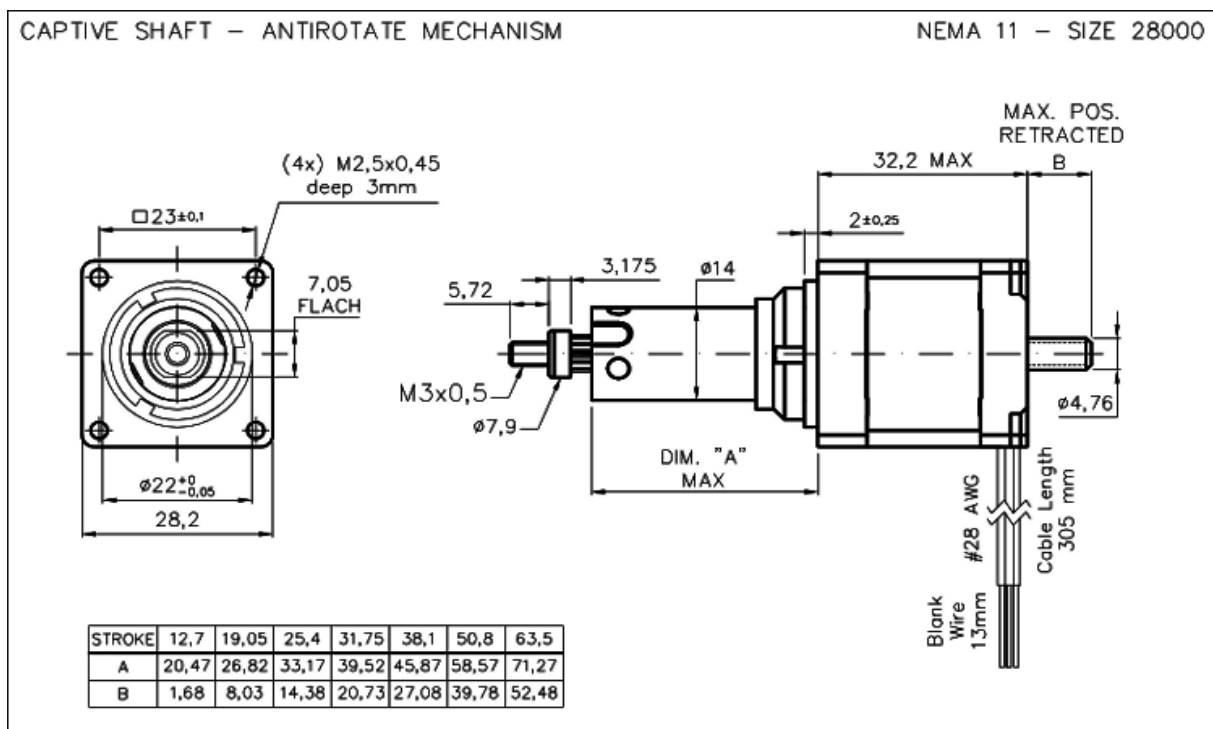
Max Linear Force Linear Stepper Motor can get is 30 N. Linear Motor give here very low Speed only :3mm/s.

Middle Range Force is 15N at Linear Speed 25mm/s.

Max Linear Speed this Lead Screw and Stepper Motor can give is 45mm/s with Force only 3N.

Stepper Driver should give current 420mA. For High Speed Application would be best 8x Winding Voltage eg: 40VDC.

Linear Stepper Motor – Actuator – Dimensional Drawing



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