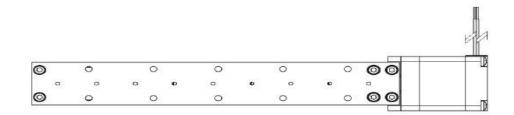
# Lead Screw Driven Stages-NEMA11

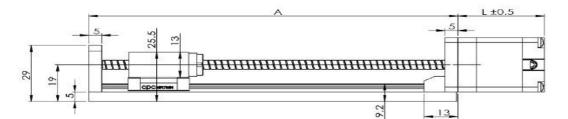
Continuous thrust to 33 lbf (150N)

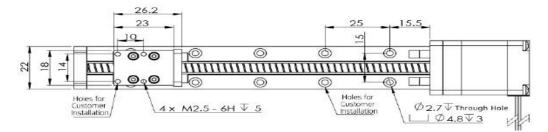


## Optional Screw and Step Motor Size

Size A	Stroke B	Motor Length L (mm)				
62.5	20	33.35	45			
82.5	40	33.35	45			
102.5	60	33.35	45			
122.5	80	33.35	45			
142.5	100	33.35	45			
192.5	150	33.35	45			
242.5	200	33.35	45			
292.5	250	33.35	45			
342.5	300	33.35	45			







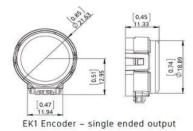
## **NEMA 11 Motor Characteristics**

Motor	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Lead Wire No.	Motor Length (mm)		
11-2105	4.5	0.5	9.1	6.0	4	34		
11-2110	-2110 2.2 1.0 2.2		2.2	1.5	4	34		
11-2209	09 3.9 0.95 4.		4.1	4.0	4	45		

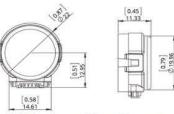
## Available Lead Screws and Travel per Step

Screw Diameter (inch)	Screw Diameter (mm)	Lead (inch)	Lead (mm)	Lead Code	Travel Per Step (mm)			
0.188	4.7752	0.025	0.635	A	0.0032			
0.188	4.7752	0.05	1.27	D	0.0063			
0.188	4.7752	0.1	2.54	ĸ	0.0127			
0.188	4.7752	0.2	5.08	R	0.0254			
0.188	4.7752	0.4	10.16	Х	0.0508			

NEMA 11 ENCODER OPTIONS



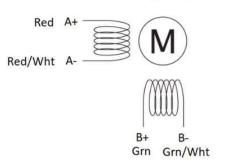
EK1 Encoder (Used for Size 8, 11, 14, 17 Motor)\*No Index

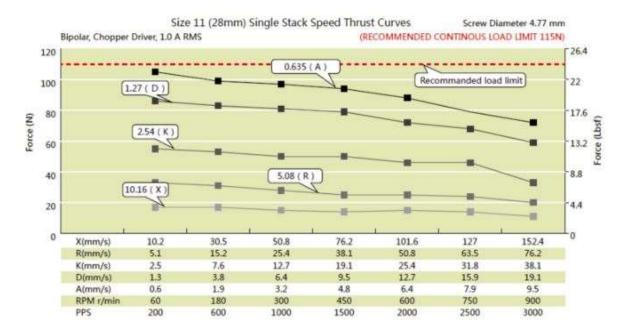


EK1 Encoder - differential output

Resolution(CPR)	100	108	120	125	128	200	250	256	300	360	400	500	1000	512	720	800
Single ended output	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Differential output	A	В	C	D	E	F	G	н	Ţ.	J	К	L	М	N	0	Р

### 2 Phase, 4 Wires - Wiring Diagram





#### Size 11 (28mm) Performance Curves

