

LINACT-J Linear Actuator

- Typical Applications: Solar Tracking, Industrial Equipment, Furniture, Sweepers, Campers, Instrument Aid Setting, Caravan, Louvers, Window Openers, Medical Beds, Etc.
- DC Permanent magnet motor
- Speeds from 5mm/s up to 58mm/s
- Standard Stroke length: 30 - 600mm

Mechanical Data

- Operating temperature -40°C~+65°C
- Protection – IP66
- Standard Voltage: 12, 24, 36, 48Vdc
- Built in Limit Switches
- Potentiometer feedback Optional
- Hall feedback Optional
- CE Certified



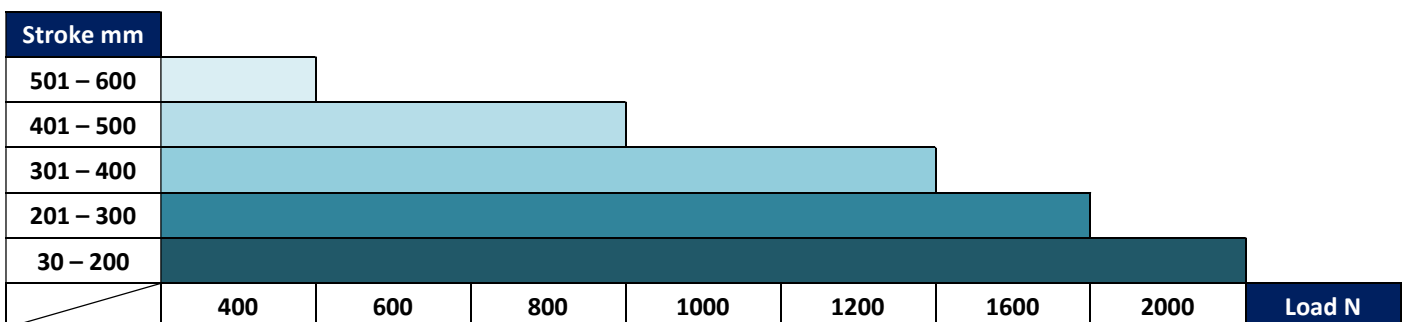
Force Data

- Max Load – up to 2 000N (200Kg)
- Max static force – 3000N (300Kg)
- Duty Cycle 25% with full load

Transmission Parameters

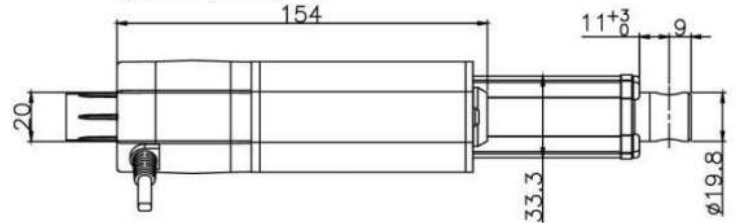
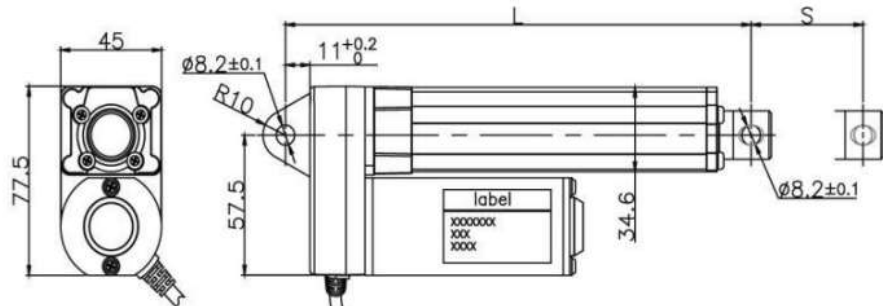
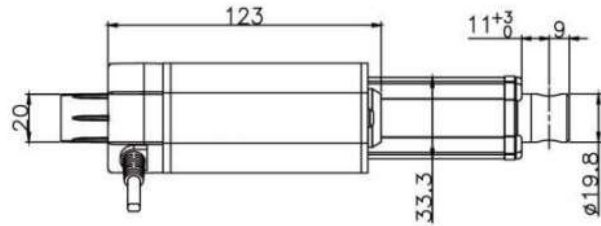
| Code | Motor Speed | Rating load (N) | Speed (MM/S) ±10% | | Current A (Normal Temperature) | | | | | | | |
|------|-------------|-----------------|-------------------|-----------|--------------------------------|-----------|---------|-----------|---------|-----------|-----|-----|
| | | | | | 12V | | 24V | | 36V | | 48V | |
| | | | No Load | Full Load | No Load | Full Load | No Load | Full Load | No Load | Full Load | | |
| A | 4000rpm | 2000 | 5 | 4 | 1.2 | 3.5 | 0.6 | 2.0 | 0.4 | 1.5 | 0.3 | 1.0 |
| B | | 1600 | 7 | 5.5 | 1.2 | 3.5 | 0.6 | 2.0 | 0.4 | 1.5 | 0.3 | 1.0 |
| C | | 1200 | 10 | 8 | 1.2 | 3.5 | 0.6 | 2.0 | 0.4 | 1.5 | 0.3 | 1.0 |
| D | | 700 | 18 | 14 | 1.2 | 3.5 | 0.6 | 2.0 | 0.4 | 1.5 | 0.3 | 1.0 |
| E | | 300 | 38 | 30 | 1.2 | 3.5 | 0.7 | 2.0 | 0.5 | 1.5 | 0.3 | 1.0 |
| F | 6000rpm | 1200 | 8 | 6 | 1.5 | 4 | 0.8 | 2.5 | 0.5 | 1.5 | 0.3 | 1.0 |
| G | | 800 | 10 | 8 | 1.5 | 4 | 0.8 | 2.5 | 0.5 | 1.5 | 0.3 | 1.0 |
| H | | 600 | 14 | 11 | 1.5 | 4 | 0.8 | 2.5 | 0.5 | 1.5 | 0.3 | 1.0 |
| I | | 400 | 28 | 22 | 1.5 | 4 | 0.8 | 2.5 | 0.5 | 1.5 | 0.3 | 1.0 |
| J | | 200 | 58 | 45 | 1.5 | 4 | 0.8 | 2.5 | 0.5 | 1.5 | 0.3 | 1.0 |

Stroke and Load

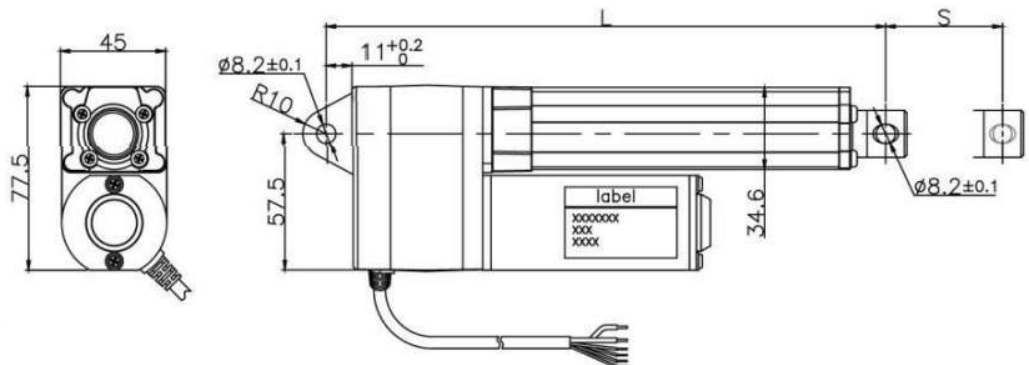


Dimensional Drawing

1> : Dimension standard
 $30 \leq \text{Stroke} < 300, L = S + 108$
 (Stroke : 30 , Speed : 20+ , $L \geq 140$)
 $300 \leq \text{Stroke} < 500, L = S + 120$
 $500 \leq \text{Stroke} \leq 600, L = S + 130$
 Mounting holes 90° (standard)

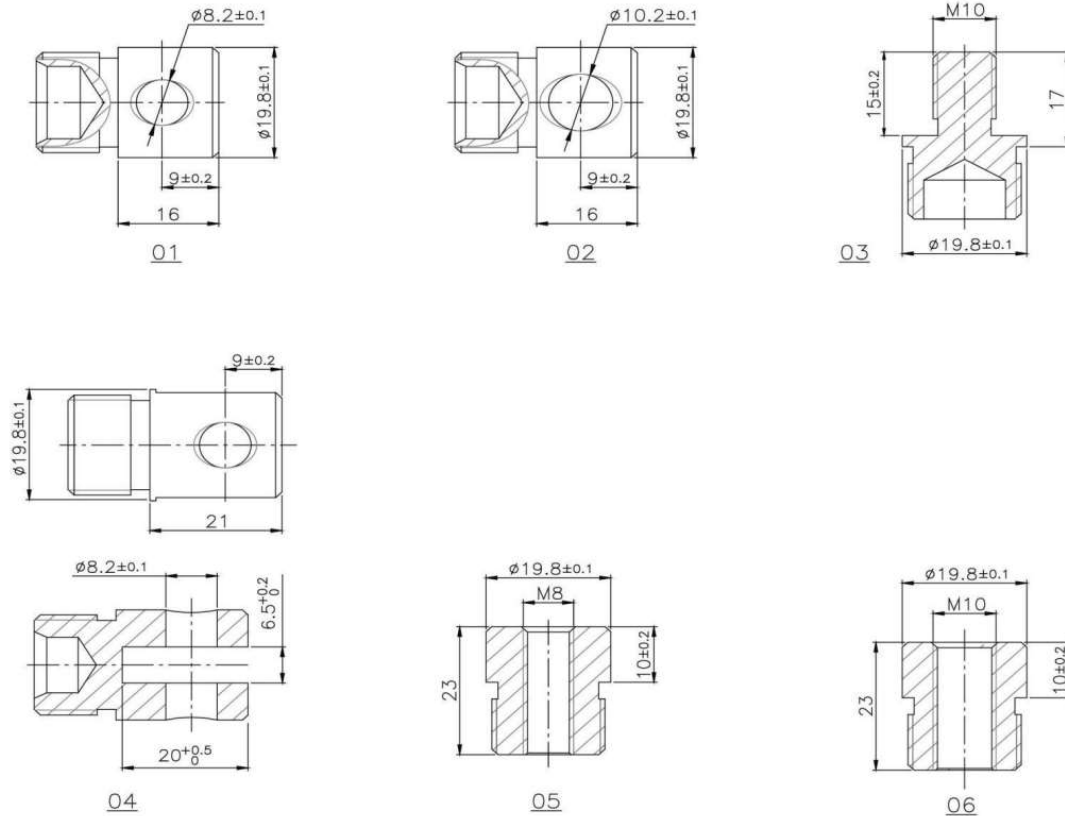


2> : Dimensions with potentiometer
 $30 \leq \text{Stroke} < 300, L = S + 140$
 $300 \leq \text{Stroke} < 500, L = S + 150$
 $500 \leq \text{Stroke} \leq 600, L = S + 160$
 Mounting hole 90° (standard)



Note: When front attachment is joint bearing or customized attachment, the dimension is not apply to above rules

Front End Options



Note: "01" —Standard, "07" —Customized

Potentiometer range

| Code | Output Signal | Features | Resolution 1mm stroke ±10% |
|-------|---------------|------------------------|-------------------------------|
| A – J | Potentiometer | Stroke | |
| | | 0-76mm 10KΩ | 0.13158KΩ |
| | | 0-215mm 10KΩ | 0.0465KΩ |
| A, F | Hall | Signal (One Pole Pair) | 12.37 |
| B, G | | | 9.61 |
| C, H | | | 6.72 |
| D, I | | | 3.5 |
| E, J | | | 1.69 |