

## LINACT- SMT52 Heavy-Duty Marine-Grade Linear Actuator



- Typical Applications: Heavy Yacht Automation, Industrial Ventilation, Agricultural Machinery, External Marine Fixtures
- DC Permanent magnet motor
- Material: Outer Tube: 6063 Aluminium / 304 Stainless Steel
- Material: Piston Rod: 316 Stainless Steel
- Speeds from: 2.5mm/s at full load up to 30mm/s at full load
- Standard Stroke length: 20 – 500mm

### Mechanical Data

- Operating temperature -20°C~+60°C
- Protection – IP66 (Standard) or IP67M (Optional)
- Standard Voltage: 12, 24Vdc
- Built in Limit Switches
- Hall feedback Optional
- CE Certified

### Force Data

- Max Load (Dynamic) – up to 6000N (24V) / 5000N (12V)
- Max Static (self-Lock) Force: Up to 8000N
- Duty Cycle 10%, continuous work for max 2 minutes with a pause of 18 minutes

### Transmission Parameters

| Max Dynamic Load (N) | Self-Locking Force (N) | Speed (mm/s) |           | Max Current (A) |       |
|----------------------|------------------------|--------------|-----------|-----------------|-------|
|                      |                        | No Load      | Full Load | 12Vdc           | 24Vdc |
| 6000*                | 8000                   | 4.8          | 3.0       | N/A             | 5.0   |
| 5000                 | 7500                   | 4.8          | 3.3       | 10.0            | 5.0   |
| 4500                 | 8000                   | 6.4          | 4.5       | 10.0            | 5.0   |
| 3000                 | 6000                   | 9.6          | 6.0       | 10.0            | 5.0   |
| 1800                 | 3600                   | 16           | 10        | 10.0            | 5.0   |
| 1200                 | 2400                   | 24           | 15        | 10.0            | 5.0   |
| 300                  | 600                    | 88           | 55        | 10.0            | 5.0   |

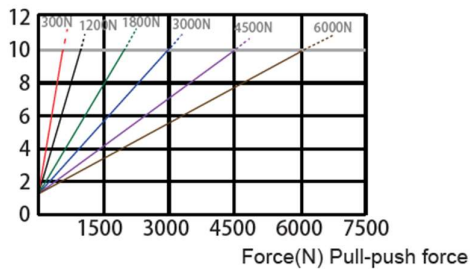
\*6000N variant available in 24Vdc model only.

## Curve

Accuracy of speed or current :  $\pm 10\%$ , in general, applications in the dashed are not recommended.

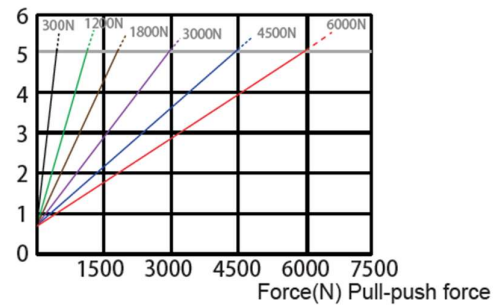
CURVE(Force/ current)

Current (12V)



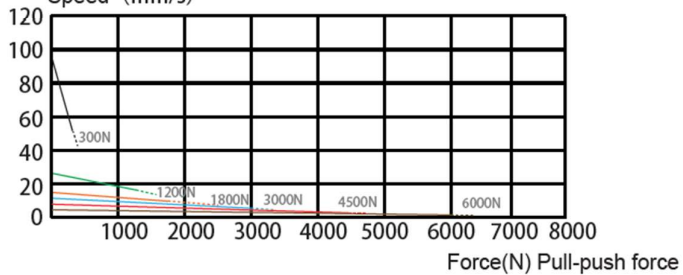
CURVE(Force/ current)

Current (24V)

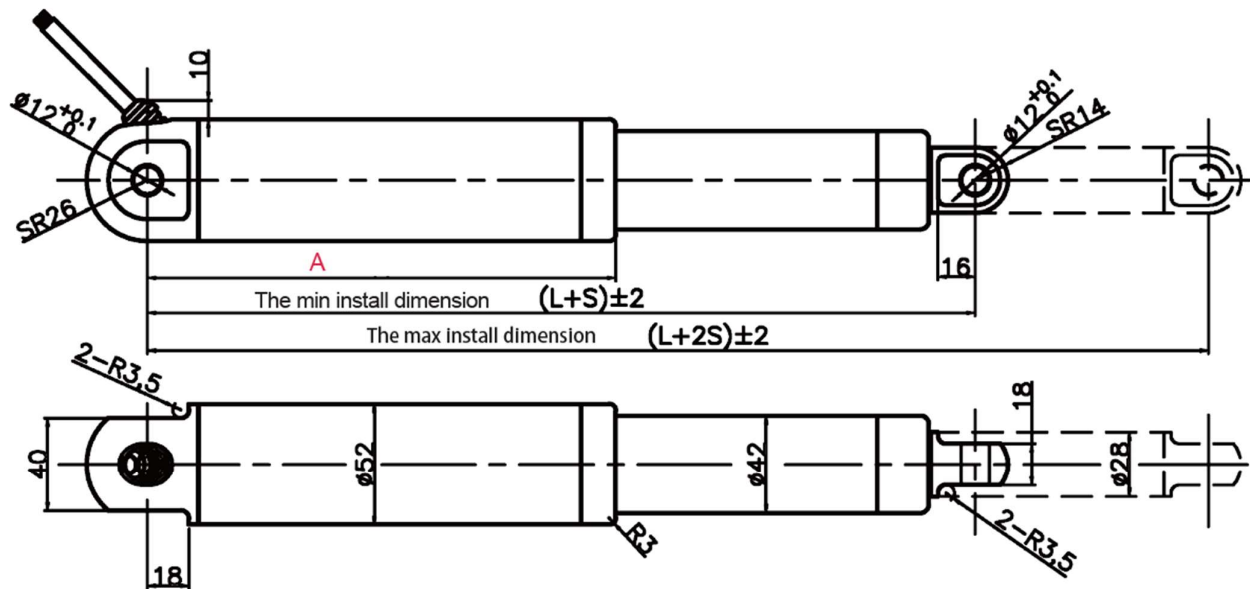


CURVE(Speed/force)

Speed (mm/s)



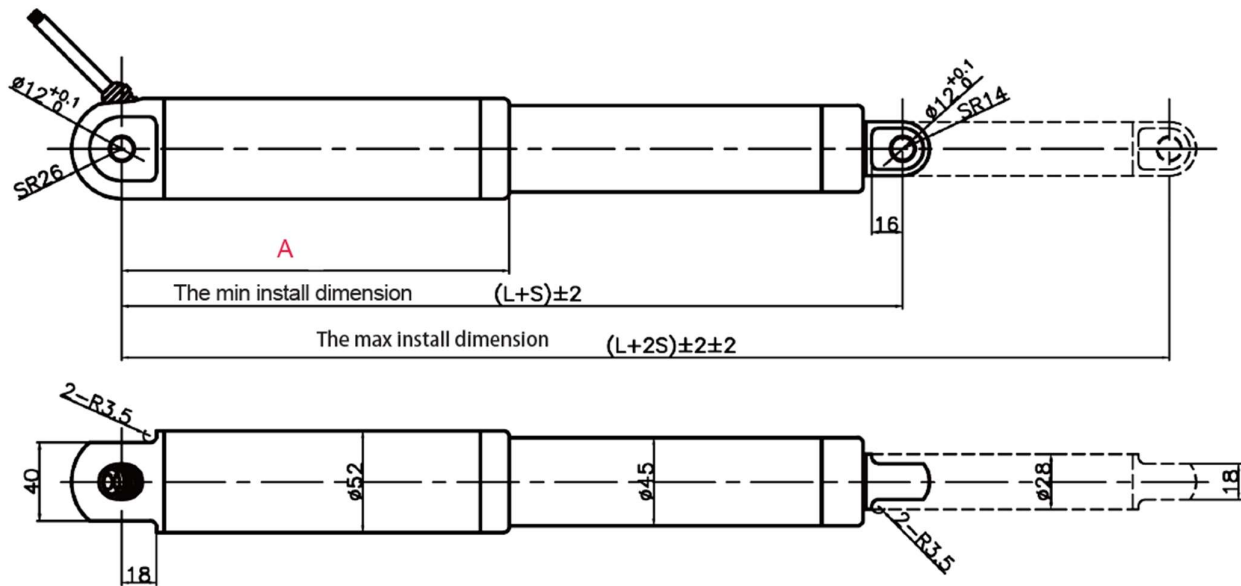
## Dimensional Drawing



### Aluminum Version (mm)

Standard means without any additional function(Over current protection,hall sensor)

The dimensional tolerance not shown in the drawing can refer to ISO2768-mk



### Stainless Steel Version (mm)

Standard means without any additional function(Over current protection,hall sensor)

The dimensional tolerance not shown in the drawing can refer to ISO2768-mk

### Installation Formulas (Heavy-Duty Series)

|                                |                                |
|--------------------------------|--------------------------------|
| Standard (with Limit Switches) | Retracted (L) = Stroke + 305mm |
| With Hall Sensor Feedback      | Retracted (L) = Stroke + 325mm |
| With Over-Current Protection   | Retracted (L) = Stroke + 325mm |

Total Extended Length = Retracted Length (L) + Stroke

### Mounting Brackets Dimensions:

