



Max. Stroke 6000mm

Max. Speed 2000mm/s

Motor Capacity 400W

Pitch 90mm

Model Number Designation System

TA45 - S500 - LK - RK - 100W - BJ

Model

Stroke

Left-Side Drive Shaft

Right-Side Drive Shaft

Servo Motor

Slide Block Length

|               |          |
|---------------|----------|
| Custom stroke | 1-6000mm |
| Pitch         | 50mm     |

|    |                               |
|----|-------------------------------|
| LK | No drive Shaft                |
| LV | Drive shaft on the left side  |
| LH | Drive shaft on the right side |
| LB | Dual-output drive shaft       |

|    |                               |
|----|-------------------------------|
| RK | No drive Shaft                |
| RV | Drive shaft on the left side  |
| RH | Drive shaft on the right side |
| RB | Dual-output drive shaft       |

|   |               |
|---|---------------|
| 1 | 100W          |
| 2 | 200W          |
| 3 | 400W          |
| H | Stepper motor |

|    |                        |
|----|------------------------|
| BJ | Standard slide block   |
| DJ | Customized slide block |

Product Catalog

| Basic Specifications |                                              |                  |                            |
|----------------------|----------------------------------------------|------------------|----------------------------|
| Performance          | Position Repetition Precision                |                  | ± 0.05                     |
|                      | Lead (travel distance per pulley revolution) |                  | 90mm                       |
|                      | Max. Speed                                   |                  | 2 m/s                      |
|                      | Max. Handling Weight                         | Horizontal Use   | 15kg                       |
|                      |                                              | Vertical Use     | 10 kg                      |
|                      | Standard Stroke                              |                  | Custom stroke up to 6000mm |
| Components           | Timing Belt Model                            |                  | HTD3m                      |
|                      | Timing Belt Width                            |                  | 20mm                       |
|                      | Timing Belt Pitch                            |                  | 3mm                        |
|                      | Max. Working Tension of Timing Belt          |                  | 250N                       |
|                      | Home Sensor                                  | External-mounted | FC-SPX303Z(NPN)            |
|                      |                                              |                  | LU672-5NA(NPN)             |

Allowable Load Moment Table

Horizontal Operation

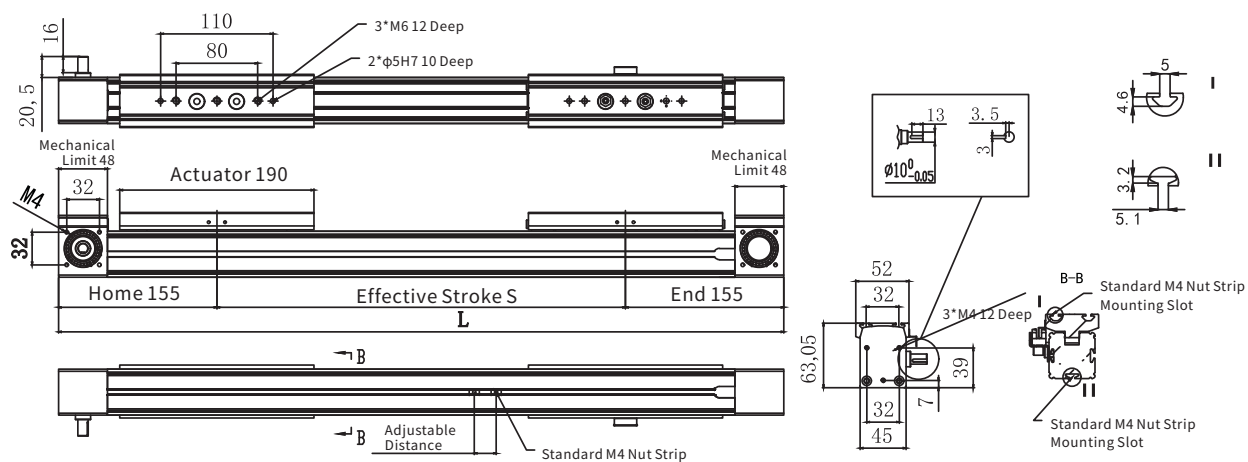
| (Unit: mm)          |     |     | (Unit: mm)    |     |     | (Unit: mm)        |     |     |
|---------------------|-----|-----|---------------|-----|-----|-------------------|-----|-----|
| Horizontal Mounting | A   | C   | Side Mounting | A   | C   | Vertical Mounting | A   | C   |
| 10kg                | 300 | 700 | 2kg           | 400 | 200 | 2kg               | 300 | 150 |
| 15kg                | 200 | 350 | 4kg           | 200 | 100 | 4kg               | 150 | 100 |
| 25kg                | 100 | 200 | 15kg          | 100 | 50  | 15kg              | 75  | 50  |

List of Shaft Directions

Product Catalog

Right-Side Drive Shaft

• Download CAD drawings at [www.dgshihai.com](http://www.dgshihai.com) •

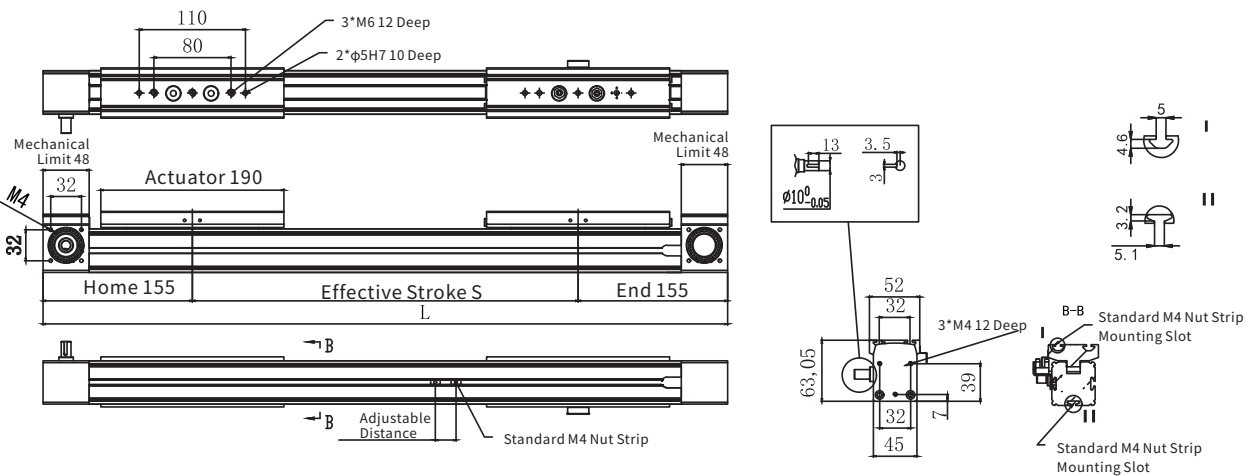


Unit: MM

| Effective Stroke | 100  | 200  | 300  | 400  | 500  | 600  | 700  | 800  | 900  | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 2000 | 2500 | 3000  | 3500  | 4000  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| L                | 410  | 510  | 610  | 710  | 810  | 910  | 1010 | 1110 | 1210 | 1310 | 1410 | 1510 | 1610 | 1710 | 1810 | 2310 | 2810 | 3310  | 3810  | 4310  |
| Weight(KG)       | 2.48 | 2.78 | 3.08 | 3.38 | 3.68 | 3.98 | 4.28 | 4.58 | 4.88 | 5.18 | 5.48 | 5.78 | 6.08 | 6.36 | 6.68 | 8.18 | 9.68 | 11.18 | 12.68 | 14.18 |

Left-Side Drive Shaft

• Download CAD drawings at [www.dgshihai.com](http://www.dgshihai.com) •

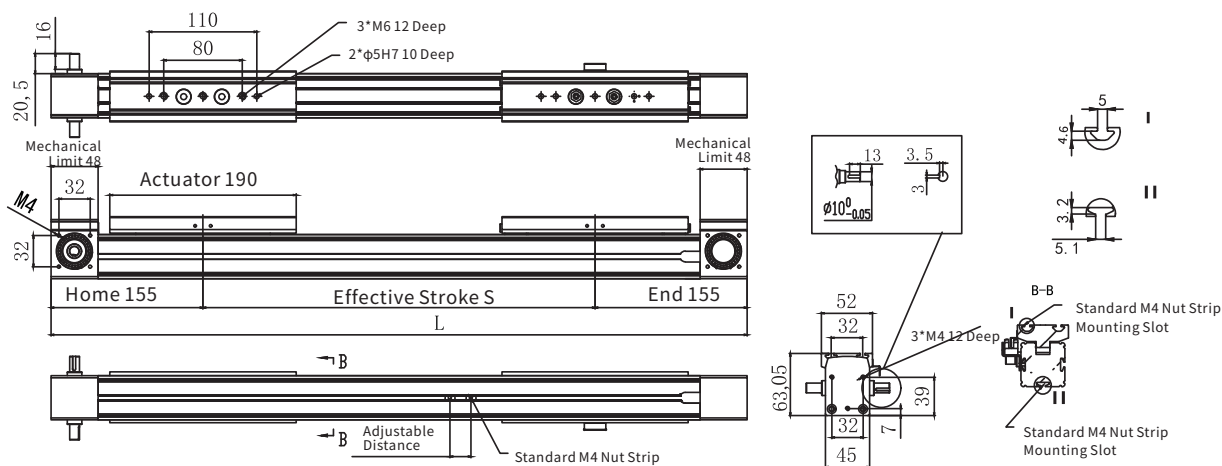


Unit: MM

| Effective Stroke | 100  | 200  | 300  | 400  | 500  | 600  | 700  | 800  | 900  | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 2000 | 2500 | 3000  | 3500  | 4000  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| L                | 410  | 510  | 610  | 710  | 810  | 910  | 1010 | 1110 | 1210 | 1310 | 1410 | 1510 | 1610 | 1710 | 1810 | 2310 | 2810 | 3310  | 3810  | 4310  |
| Weight(KG)       | 2.48 | 2.78 | 3.08 | 3.38 | 3.68 | 3.98 | 4.28 | 4.58 | 4.88 | 5.18 | 5.48 | 5.78 | 6.08 | 6.36 | 6.68 | 8.18 | 9.68 | 11.18 | 12.68 | 14.18 |

Double-Sided Drive Shaft

• Download CAD drawings at [www.dgshihai.com](http://www.dgshihai.com) •



Unit: MM

| Effective Stroke | 100  | 200  | 300  | 400  | 500  | 600  | 700  | 800  | 900  | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 2000 | 2500 | 3000  | 3500  | 4000  |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| L                | 410  | 510  | 610  | 710  | 810  | 910  | 1010 | 1110 | 1210 | 1310 | 1410 | 1510 | 1610 | 1710 | 1810 | 2310 | 2810 | 3310  | 3810  | 4310  |
| Weight(KG)       | 2.48 | 2.78 | 3.08 | 3.38 | 3.68 | 3.98 | 4.28 | 4.58 | 4.88 | 5.18 | 5.48 | 5.78 | 6.08 | 6.36 | 6.68 | 8.18 | 9.68 | 11.18 | 12.68 | 14.18 |

Mounting Base 2D Drawing

