

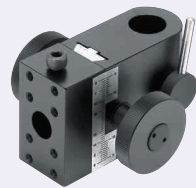
# [High Precision] Dovetail Slide, Post Mounted

# Accessories for Dovetail Slide Stages

Base / Shaft / CCD Camera Adapter / Holder

■ **Features:** Stages mountable on posts. STLC48 can be mounted directly on Ø16 posts. STLX35 and STLXYZ35 can be used with Ø12 Post Clamps.

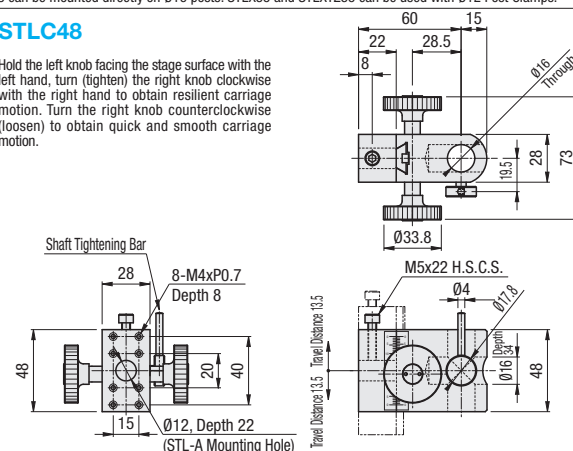
## ■ 1-Axis Slide with Crossed Mounting Bores



RoHS 10

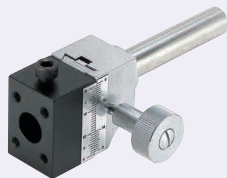
### STLC48

Hold the left knob facing the stage surface with the left hand, turn (tighten) the right knob clockwise with the right hand to obtain resilient carriage motion. Turn the right knob counterclockwise (loosen) to obtain quick and smooth carriage motion.



| Part Name | Material       | Surface Treatment |
|-----------|----------------|-------------------|
| Stage     | Aluminum Alloy | Black Anodize     |
| Holder    | Aluminum Alloy | Black Anodize     |

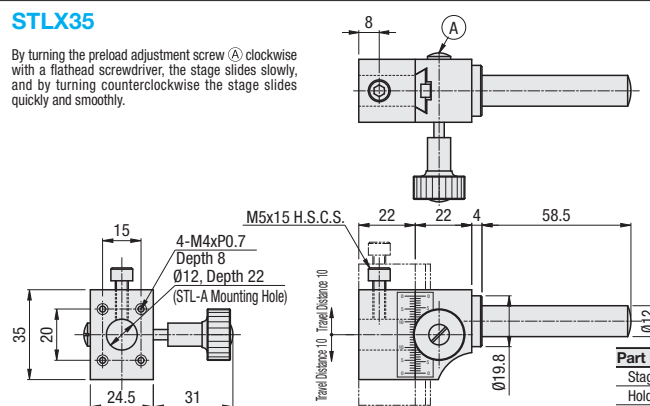
## ■ 1-Axis Slide with a Shaft



RoHS 10

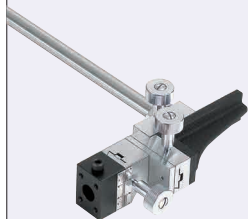
### STLX35

By turning the preload adjustment screw (A) clockwise with a flathead screwdriver, the stage slides slowly, and by turning counterclockwise the stage slides quickly and smoothly.



| Part Name | Material          | Surface Treatment     |
|-----------|-------------------|-----------------------|
| Stage     | Aluminum Alloy    | Black Anodize         |
| Holder    | Low Cadmium Brass | Nickel Chrome Plating |
| Shaft     | EN 1.4305 Equiv.  | -                     |
| Washer    | Low Cadmium Brass | Nickel Chrome Plating |

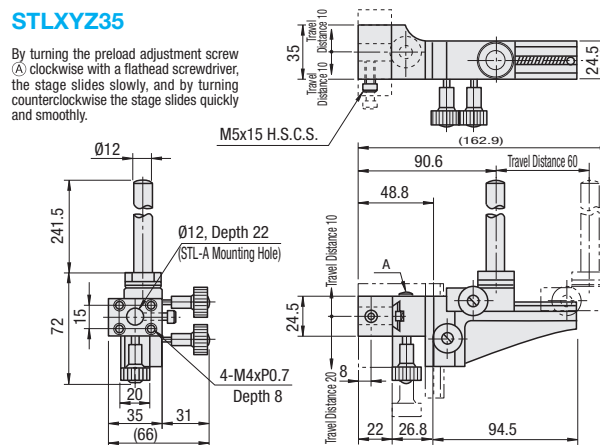
## ■ 3-Axis Slide with a Shaft



RoHS 10

### STLXYZ35

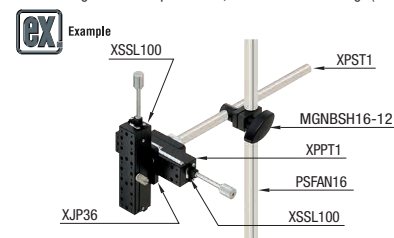
By turning the preload adjustment screw (A) clockwise with a flathead screwdriver, the stage slides slowly, and by turning counterclockwise the stage slides quickly and smoothly.



| Part Name | Material         | Surface Treatment     |
|-----------|------------------|-----------------------|
| Stage     | Aluminum Alloy   | Black Anodize         |
| Holder    | Brass            | Nickel Chrome Plating |
| Shaft     | EN 1.4305 Equiv. | -                     |
| Washer    | Brass            | Nickel Chrome Plating |

⚠ Each of the above stages is not provided with any clamping mechanism but, based on its own weight, can prevent itself from being slid as long as the applied load falls within the allowable load range.

\* When a stage with a clamp is needed, combine a Dovetail Stage (P1900, 1901), Base Plate and Shaft for stages (P2002).



| Ordering Example | Part Number |
|------------------|-------------|
|                  | STLC48      |
|                  | STLXYZ35    |

| Part Number |     | Travel Distance (mm) |        |        | Travel per Rotation (mm) | Load Capacity (N) | Weight (kg) | Unit Price 1 ~ 10 pc(s) |
|-------------|-----|----------------------|--------|--------|--------------------------|-------------------|-------------|-------------------------|
| Type        | No. | X-Axis               | Y-Axis | Z-Axis |                          |                   |             |                         |
| STLC        | 48  | 27                   | -      | -      | 18                       | 29.4              | 0.35        |                         |
| STLX        | 35  | 20                   | -      | -      |                          | 19.6              | 0.26        |                         |
| STLXYZ      | 35  | 20                   | 30     | 60     |                          | 19.6              | 0.96        |                         |

⚠ Economical Scaled Post Unit is available as Simplified Adjustment Units. See ZKB on P1970

■ **Features:** Accessories can be combined with dovetail stages to form a variety of Post Mounted Stages.

## ■ Base for Stages



- Base Plates to connect the Dovetail Stages (P1906, 1904, 1900, 1901) and XPST1, 2, 3 (below).
- For applicable stages, see the table below.

## ■ Shaft for Stages (Ø12)



RoHS 10

## ■ Shaft for Stages (with Lever)

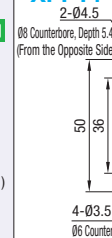


- Tilt angle can be adjusted easily. (180° Max.)

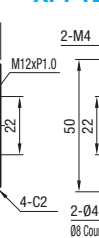
| Ordering Example | Part Number |
|------------------|-------------|
|                  | XPPT1       |
|                  | XPST1       |
|                  | XPST3       |

### XPPT1

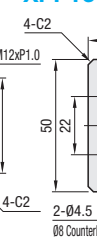
2-Ø4.5  
Ø6 Counterbore, Depth 5.4  
(From the Opposite Side)



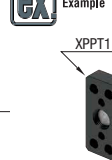
### XPPT2



### XPPT3



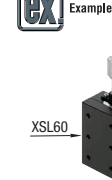
Example



Example



Example



### XPST1

(L=241.5)

### XPST2

(L=51.5)



### XPST3

(L=241.5)

(L=51.5)



Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Nickel Chrome Plating

Accessory: SCB4-8 (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Nickel Chrome Plating

Accessory: SCB4-8 (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

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Surface Treatment: Nickel Chrome Plating

Accessory: SCB4-8 (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Nickel Chrome Plating

Accessory: SCB4-8 (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Nickel Chrome Plating

Accessory: SCB4-8 (2 pcs.)

■ **Features:** Common to all camera manufacturers.

## ■ CCD Camera Adapters



RoHS 10

## ■ CCD Camera Holder



RoHS 10

### STL-A



Material: EN 1.4305 Equiv.

Can be combined with XWG (P1904), XYWG (P1939), ZWG (P1954), XLWG (P1908), ZLWG (P1956), REG (P1981) and other Dovetail Slide Stages.

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Black Anodize

Screw: EN 1.4567 Equiv.

Accessory: SCB4-8 (2 pcs.), Flat Washers (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Black Anodize

Screw: EN 1.4567 Equiv.

Accessory: SCB4-8 (2 pcs.), Flat Washers (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Black Anodize

Screw: EN 1.4567 Equiv.

Accessory: SCB4-8 (2 pcs.), Flat Washers (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Black Anodize

Screw: EN 1.4567 Equiv.

Accessory: SCB4-8 (2 pcs.), Flat Washers (2 pcs.)

Material: EN 1.4305 Equiv., Low Cadmium Brass

Surface Treatment: Black Anodize

Screw: EN 1.4567 Equiv.

Accessory: SCB4-8 (2 pcs.), Flat Washers (2 pcs.)

| Ordering Example | Part Number |
|------------------|-------------|
|                  | STL-A       |
|                  | STLH        |

| Part Number | Unit Price | Volume Discount Rate  |
|-------------|------------|-----------------------|
| Type        | 1 pc.      | 2, 3 pcs. 4 ~ 10 pcs. |
| STL-A       |            |                       |

| Part Number | Unit Price    |
|-------------|---------------|
| Type        | 1 ~ 10 pc(s). |
| STLH        |               |

