

[Simplified Adjustments] Z-Axis, Push Screw

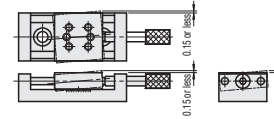
Features: Economical product configured for Z-axis use by adding a bracket to a push screw type X-axis stage. The unit is more compact and has finer feeding characteristic compared to the Feed Screw Type on P.1952-. Utilize for light loads.

Z-Axis, Push Screw



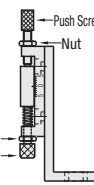
Accuracy Standards

There are some mechanical clearances as shown below, and not recommended for positioning applications requiring accuracies.



One Point

The push screw and clamp (Alterations: -CL) can be reinforced by combining with an extra nut to form a double-nut arrangement.

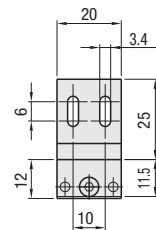


| Type | Main Body | Shaft | Spring | Push Screw | Accessory |
|------|--------------------------------|------------|------------|-----------------------------------|---|
| | M Material S Surface Treatment | M Material | M Material | M Material | |
| ZKNG | Aluminum Alloy Black Anodize | SUS303 | SUS304 | S45C (Electroless Nickel Plating) | Hex Socket Low Head Cap Screw (CBS4-6) 2 pcs. |

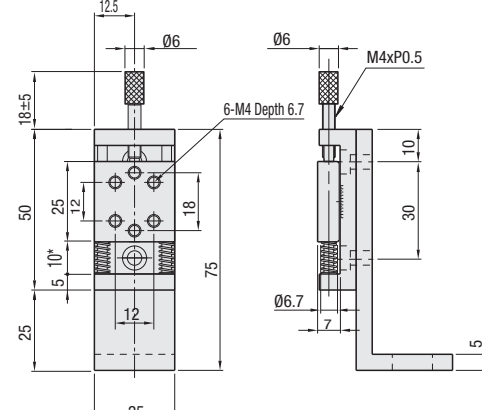
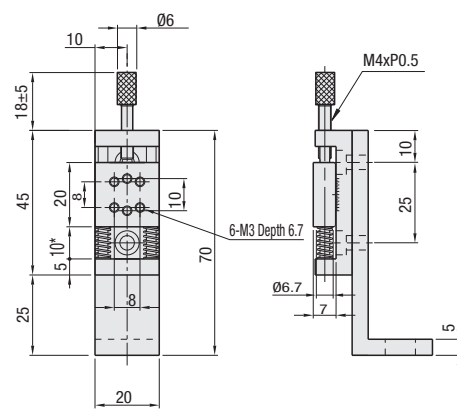
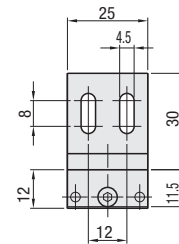
- X-Axis: P.1893
- XY-Axis: P.1929
- Travel per Rotation: 0.5mm

* Dimensions when scale is set at 0

ZKNG20



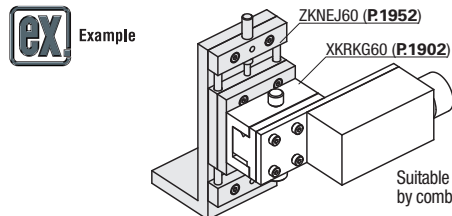
ZKNG25



| Part Number | Stage Surface | Travel Distance | Load Capacity | Weight | Unit Price |
|-------------|---------------|-----------------|---------------|--------|------------|
| Type | No. | (mm) | (N) | (kg) | ZKNEJ ZKJL |
| ZKNG | 20 | 20x20 | ±5 | 0.05 | |
| | 25 | 25x25 | | 0.07 | |

Travel per Rotation: 0.5mm Minimum Graduation: 0.5mm

Ordering Example Part Number ZKNG20



Suitable for low magnification camera XZ-axis adjustments by combining with an X-Axis Rack & Pinion Unit on P.1902.

Alterations Part Number - (CL) ZKNG20 - CL

| Alteration | Opposite Clamp Bolt |
|------------|---|
| Spec. | Opposing clamp screw for table immobilizing (M4, Pitch 0.7) will be included. |
| Code | CL |

[Simplified Adjustments] Z-Axis, Feed Screw

Standard / Large Handles

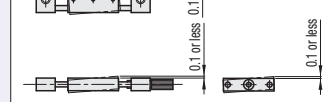
Features: Product configured for Z-axis use by adding a bracket to a feed screw type X-axis stage. Excels in load capacities compared to the Push Screw Type on P.1951.

Z-Axis, Feed Screw

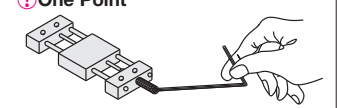


Accuracy Standards

Not recommended for precise positioning due to its clearance shown on the left.



One Point

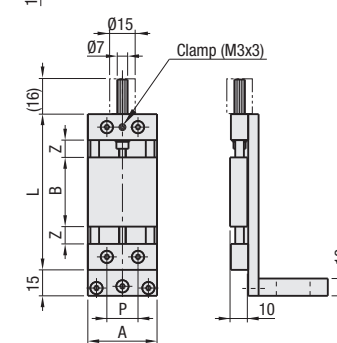
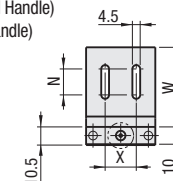


Long stroke moves can be made easily with use of a ball-point hex wrench.

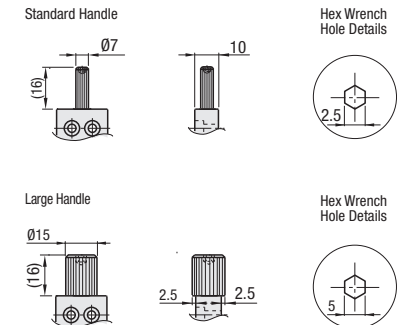
| Type | Main Body | Shaft | Knob | Feed Screw | Accessory |
|------------|--------------------------------|------------|------------|------------|--|
| | M Material S Surface Treatment | M Material | M Material | M Material | |
| ZKNEJ ZKJL | Aluminum Alloy Black Anodize | SUS304 | SUS303 | SUS304 | Hex Socket Head Cap Screw (SCB4-15) 2 pcs. |

- X-Axis: P.1890
- XY-Axis: P.1930
- Travel per Rotation 0.7mm

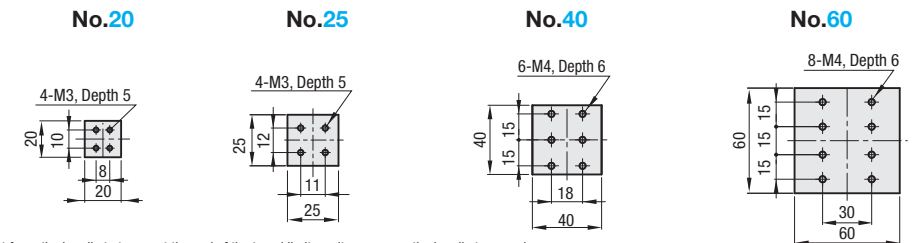
ZKNEJ (Standard Handle) ZKJL (Large Handle)



Handle Shape Comparisons



Stage Top Mounting Hole Dimensions



Do not force the handle to turn past the end of the travel limits as it may cause the handle to come loose.

| Part Number | Stage Surface | Travel Distance | Z | L | P | W | X | N | Load Capacity | Weight | Unit Price | |
|-------------|---------------|-----------------|------|-----|----|-----|----|----|---------------|--------|------------|------|
| Type | No. | (mm) | (mm) | | | | | | (N) | (kg) | ZKNEJ ZKJL | |
| ZKNEJ ZKJL | 20 | 20x20 | ±7 | 8 | 66 | 8 | 10 | 10 | 9.8 | 0.08 | | |
| | 25 | 25x25 | | 71 | 11 | 36 | 15 | 10 | | 0.10 | | |
| | 40 | 40x40 | | ±9 | 10 | 90 | 18 | 46 | 18 | 15 | 19.6 | 0.22 |
| | 60 | 60x60 | | ±13 | 15 | 120 | 30 | 56 | 40 | 20 | 0.39 | |

Travel per Rotation: 0.7mm

Ordering Example Part Number ZKJL40

Alterations Part Number - (MMR) - (CLC) ZKJL60 - CLC ZKNEJ20 - MMR ZKNEJ40 - MMR - CLC

| Alterations | Mount a Scaled Label | Change of Clamp (Knurled Knob) |
|-------------|--|--------------------------------------|
| Spec. | Adds a scaled label on a Z-axis bracket. Minimum Graduation: 0.5mm | Changes Clamp Screw to Knurled Knob. |
| Code | MMR | CLC |