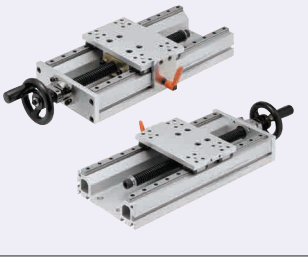


Manual Units

Table Fixed Type

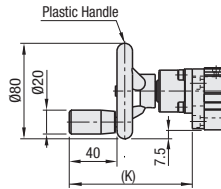
■ **Features:** Direct table clamping avoids position drifts caused by leadscrew backlash.

■ X-Axis

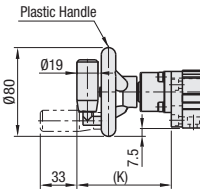


KUEC

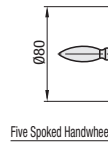
Handwheel Type A



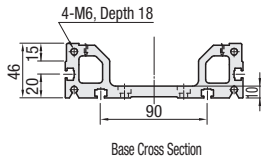
Handwheel Type B



Handwheel Type C



Arrow View A-A



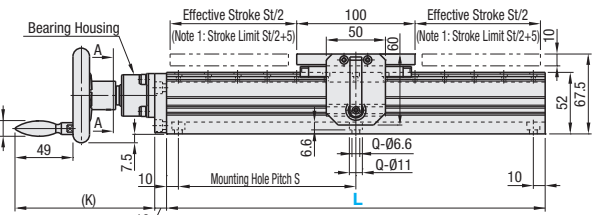
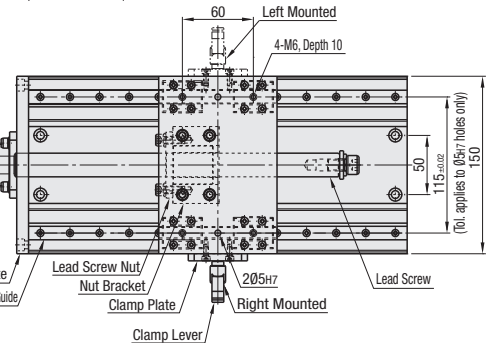
Base Cross Section

Enlarged View of Nut Slot

⚙ Use M6 nuts.

■ Components

| Parts | Base | Table | Lead Screw | Lead Screw Nut |
|-------------------|----------------|----------------|----------------|----------------|
| Material | Aluminum Alloy | Aluminum Alloy | S45C | Brass |
| Surface Treatment | Clear Anodize | Clear Anodize | Black Oxide | - |
| Parts | Nut Bracket | Side Plate | Clamp Plate | |
| Material | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | |
| Surface Treatment | Clear Anodize | Clear Anodize | Clear Anodize | |



Note 1) Stroke limit is where stroke reaches the mechanical limit.

| Part Number | | Handwheel Type | Base Length L(mm) | Effective Stroke St(mm) | Lead Screw | | Allowable Load (N) | | Moment Load Capacity (N·m) | | | Base Mounting Hole | | (K) | | | Mass (kg) | | |
|-------------|-----|--|-------------------|-------------------------|-------------|------|--------------------|----------|----------------------------|----|----|--------------------|---------------------|----------------|----|-----|----------------|-----|-----|
| Type | No. | | | | Thread Dia. | Lead | Horizontal | Vertical | Ma | Mb | Mc | S | Q (Number of Holes) | Handwheel Type | | | Handwheel Type | | |
| KUEC | 14 | A Plastic Handle B Plastic Offset C Folding Type Handwheel | 170 | 53 | 14 | 3 | 245 | 49 | 7 | 7 | 13 | 150 | 4 | 99 | 81 | 113 | A | B | C |
| | | | 220 | 103 | | | | | | | | | | | | | 2.9 | 2.9 | 3.2 |
| | | | 320 | 203 | | | | | | | | | | | | | 3.4 | 3.4 | 3.7 |
| | | | 370 | 253 | | | | | | | | | | | | | 4.4 | 4.4 | 4.7 |
| | | | 420 | 303 | | | | | | | | | | | | | 4.9 | 4.9 | 5.2 |
| | | | 470 | 353 | | | | | | | | | | | | | 5.4 | 5.4 | 5.7 |
| | | | 420 | 303 | | | | | | | | | | | | | 5.9 | 5.9 | 6.2 |
| | 20 | C Five Spoked Handwheel | 170 | 53 | 20 | 4 | 490 | 98 | 14 | 14 | 27 | 150 | 4 | 107 | 89 | 121 | A | B | C |
| | | | 220 | 103 | | | | | | | | | | | | | 4 | 4 | 4.3 |
| | | | 320 | 203 | | | | | | | | | | | | | 5 | 5 | 5.3 |
| | | | 370 | 253 | | | | | | | | | | | | | 5.5 | 5.5 | 5.8 |
| | | | 420 | 303 | | | | | | | | | | | | | 6 | 6 | 6.3 |
| | | | 470 | 353 | | | | | | | | | | | | | 6.5 | 6.5 | 6.8 |
| | | | 420 | 303 | | | | | | | | | | | | | 6.5 | 6.5 | 6.8 |

⚠ The allowable load for this product is the load that can be placed on the stage table such that it can still be moved. "Horizontal" and "vertical" indicate the installation orientation.

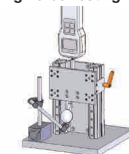
Ordering Example: Part Number - Handwheel Type - Clamp Position - L
KUEC14 - A - W - 320

| Part Number | | Handwheel Type | Unit Price 1 ~ 2 pc(s). | | | | | |
|-------------|-----|----------------|-------------------------|-------|-------|-------|-------|-------|
| Type | No. | | L=170 | L=220 | L=320 | L=370 | L=420 | L=470 |
| KUEC | 14 | A | | | | | | |
| | | B | | | | | | |
| | | C | | | | | | |
| | 20 | A | | | | | | |
| | | B | | | | | | |
| | | C | | | | | | |

■ Clamping Force 100N

* Clamping Force is not a guaranteed value but a reference value.

■ Clamping Force Testing Method



* The clamping force shown is a force to move the table when tightened at 30N.

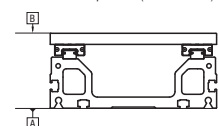
■ Accuracy

| Type | Parallelism (mm) | Backlash (mm) |
|------|------------------|---------------|
| KUEC | 0.15 | 0.3 |

* Parallelism is the degree of running parallelism for dimension B against dimension A. (See the diagram below.)

* The backlash value shown is for unclamped state. (Reference Value)

■ Parallelism Fig.



■ Required Torque, Required Turning Force

| Part Number | No. | Required Torque (N·m) | | Required Turning Force (N) | |
|-------------|-----|-----------------------|----------|----------------------------|----------|
| | | Horizontal | Vertical | Horizontal | Vertical |
| KUEC | 14 | 0.039 | 0.206 | 1.503 | 7.918 |
| | 20 | 0.059 | 0.426 | 2.261 | 16.402 |

* Torque and turning force required at max. load capacity.

* Turning force is the force that rotates the handwheel.

* Vertical values are those when elevating the table.