

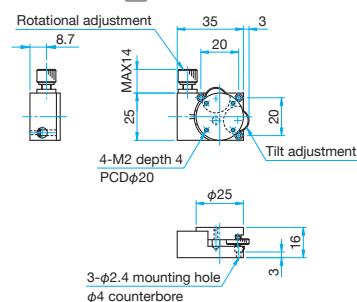
**Tip/Tilt/Rotation stages for adjusting the angle of a sample on the table top over a limited range.**

- There are two dials for Tip and tilt adjustment and a thumb screw for rotational adjustment.
- Designed strictly for light loads centered on the platform.



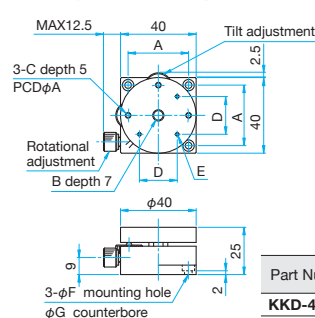
## Outline Drawing

### KKD-25C Pan head screw M2x6...3 screws



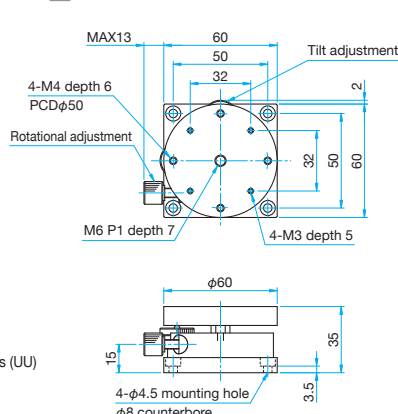
### KKD-40C/40CUU

Pan head screw M3x6...3 screws  
Hexagonal socket head cap screw 6-32UNCx1/4...3 screws (UU)



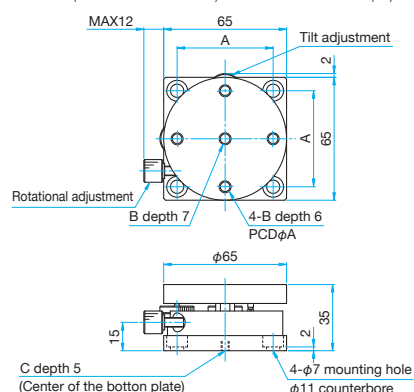
### KKD-60C

Hexagonal socket head cap screw M4x8...4 screws



### KKD-65C-M6/65CUU

Hexagonal socket head cap screw M6x8...4 screws (M6)  
Hexagonal socket head cap screw (stainless steel construction) 1/4-20UNCx5/16...4 screws (UU)



| Part Number | A (mm) | B         | C       |
|-------------|--------|-----------|---------|
| KKD-65C-M6  | 50     | M6 P1     | M4      |
| KKD-65CUU   | 50.8   | 1/4-20UNC | 8-32UNC |

| Part Number | A (mm) | B         | C       | D (mm) | E            | F (mm) | G (mm) |
|-------------|--------|-----------|---------|--------|--------------|--------|--------|
| KKD-40C     | 32     | M6 P1     | M3      | 20     | 3-M2 depth 4 | 3.5    | 6      |
| KKD-40CUU   | 31.75  | 1/4-20UNC | 6-32UNC |        |              | 4      | 6.5    |

## Specifications

| Part Number                  | METRIC | KKD-25C        | KKD-40C    | KKD-60C      | KKD-65C-M6   |
|------------------------------|--------|----------------|------------|--------------|--------------|
|                              | INCH   | —              | KKD-40CUU  | —            | KKD-65CUU    |
| Stage Size [mm]              |        | φ25            | φ40        | φ60          | φ65          |
| Rotation Range [mm]          |        | ±3             | ±3         | ±3           | ±3           |
| Tilt Range [°]               | α axis | ±3             | ±3         | ±3           | ±3           |
|                              | β axis | ±3             | ±3         | ±3           | ±3           |
| Travel per Knob Rotation [°] | θ axis | about 0.9      | about 2    | about 1.7    | about 1.68   |
|                              | α axis | about 2.2      | about 1.5  | about 1      | about 1.2    |
|                              | β axis | about 2.2      | about 1.5  | about 1      | about 1.2    |
|                              |        |                |            |              |              |
| Primary Material             |        | Aluminum       |            |              |              |
| Finish                       |        | Black anodized |            |              |              |
| Load Capacity [N]            |        | 1 (0.1kgf)     | 2 (0.2kgf) | 4.9 (0.5kgf) | 4.9 (0.5kgf) |
| Weight [kg]                  |        | 0.05           | 0.1        | 0.3          | 0.5          |

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

X Axis Stages

XY Axis Stages

Z Axis Stages

XZ Axis Stages

XYZ Axis Stages

Rotation Stages

Goniometer

Tilt Stages

Vacuum

Ball Bearing Guide

Crossed Roller

Dovetail

Lapping

V Groove Screw

Others

15 × 15 mm

25 × 25 mm

40 × 40 mm

60 × 60 mm

65 × 65 mm

80 × 80 mm

100 × 100 mm

120 × 120 mm

Others