

## Two-axis Pinhole/Objective Holders

TAT

RoHS

Catalog Code W4038

Two-axis mounts for precision pinholes (PA) or precision air slits (FSL). Microscope objectives can be mounted when the TAT-180A adapters are used.

- The ball guide design allows for fine adjustment and travel.
- Two types of adjusters are available. The standard micrometer (TAT-16, TAT-16RO) allows smooth adjustment down to a few microns. The differential micrometer (TAT-16DM, TAT-16DMRO) has submicron resolution.
- A unique two-axis integrated guide makes the body only 16mm thick. Lenses can be placed close to the front and back for the pinholes.
- Two-axis pinhole/objective holders have  $\phi 9$ mm transmission diameter. Contact our Sales Division if you need custom pinhole mounts.



## Guide

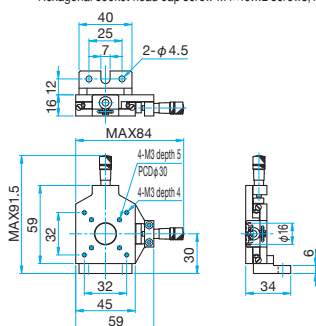
- Fiber optics holders (FOP) with integrated optical fiber receptacles (FC connector, SMA connector) are also available. [Reference](#) C076
- TAT-30 has a large transmission diameter. Simplified pinhole holders (AH-1) are also available. [WEB Reference](#) [Catalog Code](#) W4514

## Attention

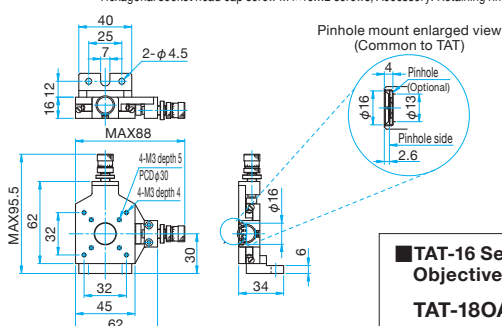
- Pinholes (PA) are sold separately from TAT holders. [Reference](#) C061
- Retaining rings are included with TAT holders. Adapters for pinholes are not required.
- If you need a post, purchase a part that ends in -RO.

## Outline Drawing

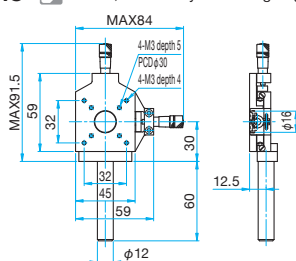
**TAT-16** Hexagon socket head cap screw M6x12...1 screw  
Hexagonal socket head cap screw M4x10...2 screws, Accessory: Retaining ring



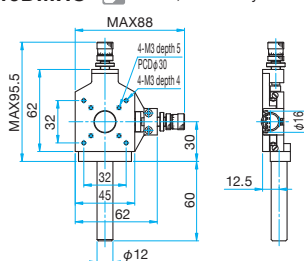
**TAT-16DM** Hexagon socket head cap screw M6x12...1 screw  
Hexagonal socket head cap screw M4x10...2 screws, Accessory: Retaining ring



**TAT-16RO** M6 P1, Accessory: Retaining ring



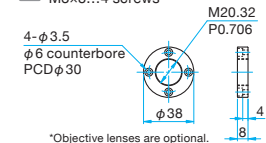
**TAT-16DMRO** M6 P1, Accessory: Retaining ring



## TAT-16 Series Objective Lens Adapters

## TAT-180A

Hexagon socket head cap screw M3x8...4 screws



## Specifications

Primary material: Iron  
Finish: Super Black Chrome

Part Number	Pinhole XY Adjustment Range [mm]	Coarse Resolution [mm/Rotation]	Fine Resolution [mm/Rotation]	Scale MIN Reading [mm/DIV]	Weight [kg]
TAT-16	±2	0.5	—	0.01	0.26
TAT-16RO	±2	0.5	—	0.01	0.32
TAT-16DM	±2	0.5	0.05	0.0025	0.30
TAT-16DMRO	±2	0.5	0.05	0.0025	0.36

## Objective Lens Adapters

Primary material: Aluminum  
Finish: Black Anodized

Part Number	Compatible Holders	Compatible Objective Lenses	Weight [kg]
TAT-180A	TAT-16 series	OBL, EPL, EPLE	0.02