Types of the Cam Follower

Types and Features

**Cam Follower with Grease Nipple Model CF-AB**
A hexagonal socket is provided on both stud ends, and a grease nipple for greasing is fitted to the inside. Therefore, lubrication and mounting from both directions is possible.

Stud diameter: 12–30 mm

**Popular Type Cam Follower Model CF**
It is a popular type of Cam Follower provided with a driver groove on the head of the stud.

Stud diameter: 5–10 mm

**Cam Follower with a Hexagon Socket Model CF-A**
Since the stud head has a hexagon socket, this model can easily be installed using a hexagon wrench.

Stud diameter: 3–10 mm
Eccentric Cam Follower Models CFH-AB, CFH-A

Because there is an eccentricity of 0.25 to 1.0 mm between the mounting shaft of the stud and the stud head, slight positioning adjustments can easily be made simply by rotating the stud. This eliminates the need to align the cam follower with the cam groove or perform precision machining on the mounting hole, greatly reducing the time and labor required for machining and assembly.

Model CFH-AB: Equipped with grease nipple and hexagonal sockets; compatible with stud diameters of 12 to 30 mm.
Model CFH-A: Equipped with hexagonal sockets; compatible with stud diameters of 5 to 10 mm.

Cam Follower Containing Thrust Balls Model CFN-R-A

On the inside, this Cam Follower model is equipped with thrust-load ball bearings. This effectively prevents friction and wear on the slip surface when a thrust load occurs due to faulty installation or the like.

Stud diameter: 5–12 mm

Cam Follower with a Tapped Hole for Greasing Model CFT

Basically the same as the popular type Cam Follower, this model is provided with tapped holes for piping on the stud head and the thread. It is optimal for locations where an integrated piping for greasing is required.

Stud diameter: 6–30 mm
**Outer-ring Compact-type Cam Follower Model CFS-A**

This Cam Follower contains extremely fine needle rollers. The outer ring external diameter is extremely small relative to the stud diameter, allowing a compact design.

Stud diameter: 2.5–6 mm

**Easy-mount Cam Follower Model CF-SFU**

For easy mounting, the stud is equipped with a slot enabling it to be secured with a screw. This greatly reduces the time and labor required for installation and is ideal for applications where there is no space to secure the stud with a nut.

Stud diameter: 6–20 mm

**Model NUCF-AB Double-row Cylindrical-roller Cam Follower**

This model, which employs a double row of cylindrical rollers, can accommodate high radial loads. A hexagonal socket is provided on both stud ends, and a grease nipple for greasing is fitted to the inside. Therefore, lubrication and mounting from both directions is possible.

Stud diameter: 16–30 mm
Options

Note: Different features and options are available, depending on the model. For details, please refer to the dimension table for the product in question.

- **Roller guide**

  ![With cage (No Symbol)](image1)
  ![Full rollers (V)](image2)

  The caged format, which offers optimal lubrication conditions, is best for high-speed rotation.

  The full-complement roller format is best for low-speed rotation and heavy loads.

  Note: Please make sure to follow the lubrication schedule.

- **Type of material**

  Carbon steel and stainless steel are available. Stainless steel, which is more resistant to corrosion, is the best choice for use in clean rooms and other oil-free environments.

  *Uses martensitic stainless steel

- **With/without a seal**

  ![Without seal (No symbol)](image3)
  ![With seal (UU)](image4)

  Equipped with a highly wear-resistant synthetic rubber seal to keep foreign matter out of the unit's interior.

- **Outer ring outer surface configuration**

  ![Cylindrical outer ring (No Symbol)](image5)
  ![Spherical outer ring (R)](image6)

  This model offers an expansive area of contact between rolling surfaces and is therefore ideal for heavy loads and low-rigidity rolling surfaces.

  This helps alleviate the effects of an eccentric load in the event of adverse conditions around the outer ring and rolling surface.