



The TCJ type clutches can also be sold in combination with customized housings.

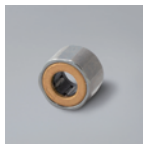


Product image

※ 1  
The inserted direction determines the locking direction.



Locking direction CCW



Locking direction CW

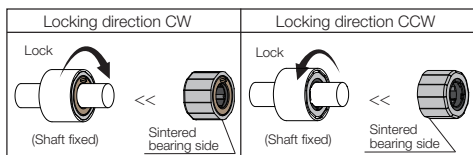
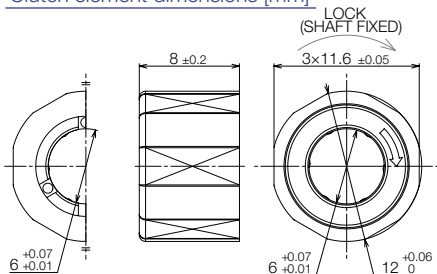
## Features

- Can be press-fitted into housings of various shapes such as gears, pulleys, levers, cams, etc.
- Shafts with wide tolerances can be used, which can be expected to reduce the cost of shafts.
- No need to prepare bearings (built-in sintered bearings)
- Compact, high-torque, usable in high-temperature environments. (Permissible upper temperature limit: 140°C / 284°F.)
- Maintenance-free products that do not require additional lubrication.

## Standard specifications

Application shaft [mm]	Allowable torque [N·m] (lbf·in)	Free torque [mN·m] (lbf·in)	Backlash [°]	Locking direction (Shaft Fixed)	Product name
Φ6 <sup>0</sup> <sub>-0.03</sub>	0.78(6.90)	2.94 (0.026) or less	2.5 or less	※ 1	TCJ-614-RB-H

## Clutch element dimensions [mm]



## Housing design [mm]

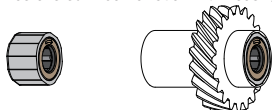
※Material: POM recommended.

Outer diameter	Φ14 <sub>±</sub>
Width	8 <sub>±</sub>
Inner diameter	Φ6 <sup>+0.08</sup> <sub>-0.02</sub>

(When the housing has an inner diameter, a minimum width of 9 is required.)

## Assembly

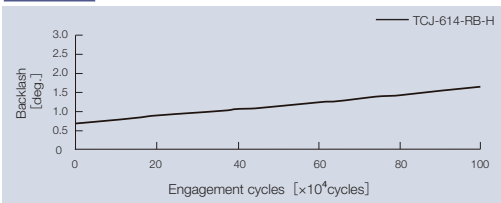
Can be offered in combination with housing.



Clutch element

Combination with housing

## Durability



Engagement cycles : 240 times / min

Oscillation angle : 30°

Radial load : 9.8N (1kgf)

Shaft material : Carbon tool steel

Shaft tolerance : Same as the application shaft

Surface hardness : 700Hv 0.1 or more

## Components and materials

Outer sleeve	Hardened steel
Retainer	Super engineering plastic
Needle	Bearing steel
Spring	Stainless steel
Cap	Copper sintering

## Operation temperature

0-140°C (32-284°F)

## Recommended shaft

Recommended shaft specification

Material	Bearing steel • stainless steel • carbon tool steel
Surface hardness	600 ~ 800Hv 0.1 Effective hardening layer 0.1 mm or more Plating deprecated
Shaft Diameter	Refer to the standard specifications



CAD data download

