



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



Product Image



TCK-614-B-C



TCK-614-RB-C

Features

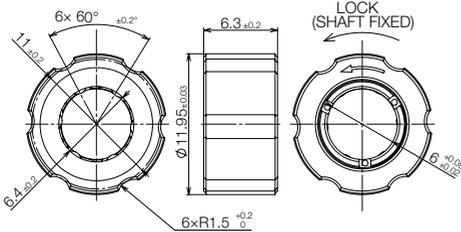
- Can be press-fitted into housings of various shapes such as gears, pulleys, levers, cams, etc.
- Shafts with wide tolerances can be used, which can be expected to reduce the cost of shafts.
- Maintenance-free products that do not require additional lubrication.
- Compact design.

Standard specifications

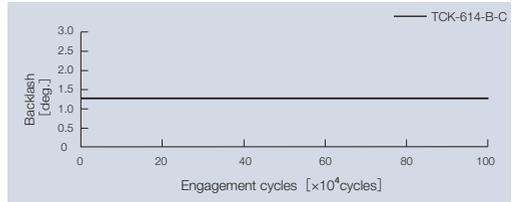
Application shaft [mm]	Allowable torque [N·m] (lbf·in)	Free torque [mN·m] (lbf·in)	Backlash [°]	Locking direction (Shaft Fixed)	Product name
$\Phi 6^{+0.03}$	0.59 (5.22)	2.94 (0.026) or less	2.5 or less	CCW	TCK-614-B-C
				CW	TCK-614-RB-C

Clutch element dimensions [mm]

【TCK-614-B-C】



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	Iron-based sintering
Retainer	Super engineering plastic
Needle	Bearing steel
Spring	Stainless steel
Cap	Stainless steel

Housing design [mm]

※Material: POM recommended.

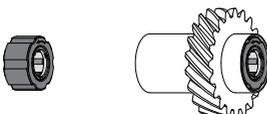
Outer diameter	$\Phi 14 \leq$
Width	$7.3 \leq$
Inner diameter	$\Phi 6^{+0.08}_{+0.02}$

Operation temperature

0-60°C (32-140°F)

Assembly

Can be offered in combination with housing.



Clutch element

Combination with housing

Recommended shaft

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

Recommended shaft specification



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CAD data download

