

KURODA C-GREASE

Clean grease for ball screw

The superb quality of C-GREASE meets the need for cleanliness in the environment of actuators used in semiconductor manufacturing machines and related parts.

KURODA "C-GREASE" features cleanliness, stable torque characteristics, and high lubricating performance to compare with usual fluorine grease. It can be used by directly filling in any grease gun on hand.

※For information on the grease gun, contact KURODA.



■ FEATURES

- Cleanliness
- Stable torque characteristics
- High lubricating performance
- Rust preventive performance equivalent to that of lithium grease

■ NOTATION

- C1-080G-J (Contents:80g in bellows type container)
- C1-400G-J (Contents:400g in bellows type container)
- ※Can (50cc, 1kg)

■ MINIMIZED DUST PARTICLES

Number of dust particles from ball screw (Particle diameter of more than 0.13 μm)

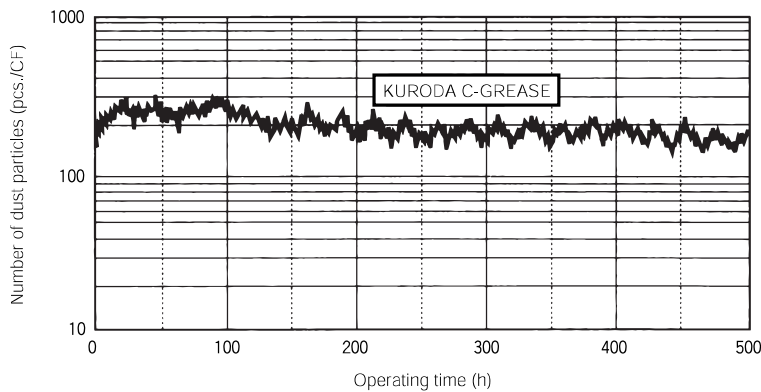


Fig. 1 Test Conditions

- Ball screw Shaft diameter : 20mm
- Lead : 20mm
- Preload : 800N
- Number of revolutions : 1200min⁻¹
- Stroke : 250mm
- Amount of grease : 1cc
- Measurement interval : 1h

Number of dust particles from ball screw (Particle diameter of more than 0.13 μm)

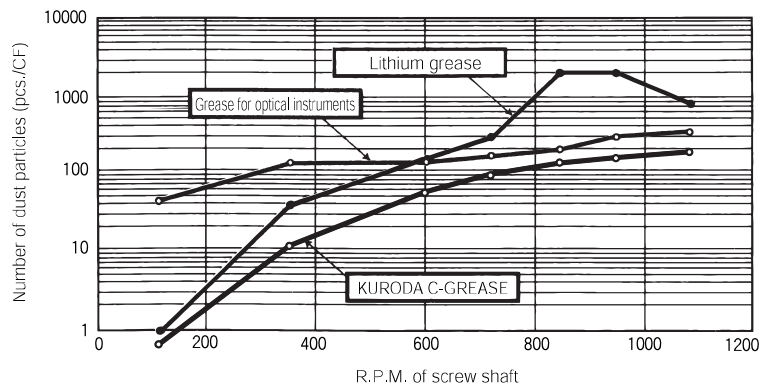


Fig. 2 Test Conditions

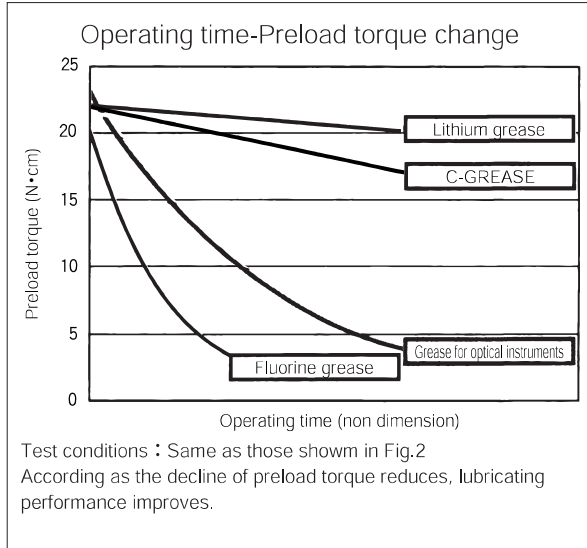
- Ball screw Shaft diameter : 20mm
- Lead : 20mm
- Preload : 800N
- Number of revolutions : 1200min⁻¹
- Stroke : 250mm
- Amount of grease : 1cc

These values are mean values taken after 100 times of measurements for each R.P.M. Average operating time of ball screw for that period of time was about 240 hours.

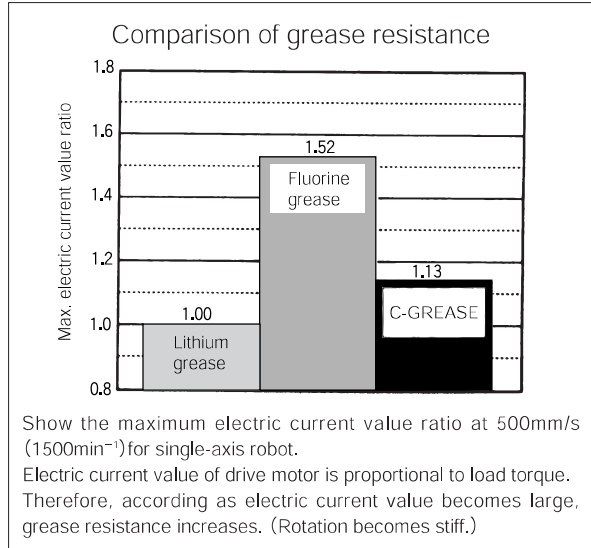
■ MAIN PROPERTIES

- Appearance : Yellow white
- Thickening agent : Ureic
- Base oil : Composition oil
- Consistency : 280 (No.2)
- Operating temperature range : -30~+150°C

■ LUBRICATING PERFORMANCE



■ TORQUE CHARACTERISTICS



■ THREAD GROOVE SURFACE AFTER THE END OF TEST (Electron micrograph)

	Screw shaft	Nut
KURODA C-GREASE		
Grease for optical instruments		
Lithium grease		

Fig.2 shows an electron micrograph of the rolling part of a steel ball in the thread groove of a ball screw after the end of test.
According as the number of grinding marks increases, wear reduces.

(Note) Be sure to read instruction Manual before using C-GREASE.

BALL SCREWS' ACCESSORIES