

Koyo

Slim Series ***DEEP GROOVE BALL BEARINGS***



JTEKT
JTEKT CORPORATION

Slim Series DEEP GROOVE BALL BEARINGS

For size and weight reduction of equipment of OA facilities and various other machines. Series of Slim type deep groove ball bearings to ISO standards.

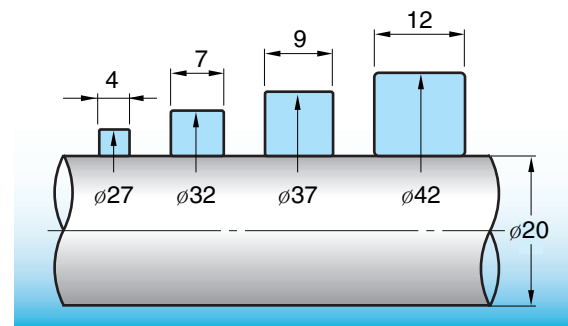
Structures



Line-up of Slim type ball bearings based on JTEKT'S reliable technologies and past experience.

■ Comparison of bearing sizes

Bearing No.: 6704 6804 6904 6004



Features

■ Small size and light weight

Space required for installation is reduced to a maximum of 1/3 compared to the standard 6000 Series.

■ Low torque

Small cross-sectional area indicate that these bearings require low running torque. In addition, the 6700 bearing series incorporates particularly low-friction seals.

■ Various sealing types

Wide choices are available in mounting methods and lubrication system, for shielded type, non-contact type sealed and contact type sealed bearing are provided.

■ Grease packed to meet your specific needs

The required of quantity of grease is packed in sealed bearings. Various types of grease, including low- and high-temperature as well as static-dissipative (conductive) formulations, are available for specific applications. Table 2 lists some representative grease types and their applications.

■ Dimension Stabilizing Treatment

When operating bearing over a long time at a temperature of over 120°C, normal heat treatment is insufficient to prevent dimension change.

Special heat treatment is required for stabilization of dimensions.

Table 1 shows codes and operating temperature range for special heat treatment.

Table 1 Dimension Stabilizing Treatment

Code	Operating Temperature Range
S0	Over 100°C up to 150°C
S1	Over 150°C up to 200°C
S2	Over 200°C up to 250°C

■ Grease

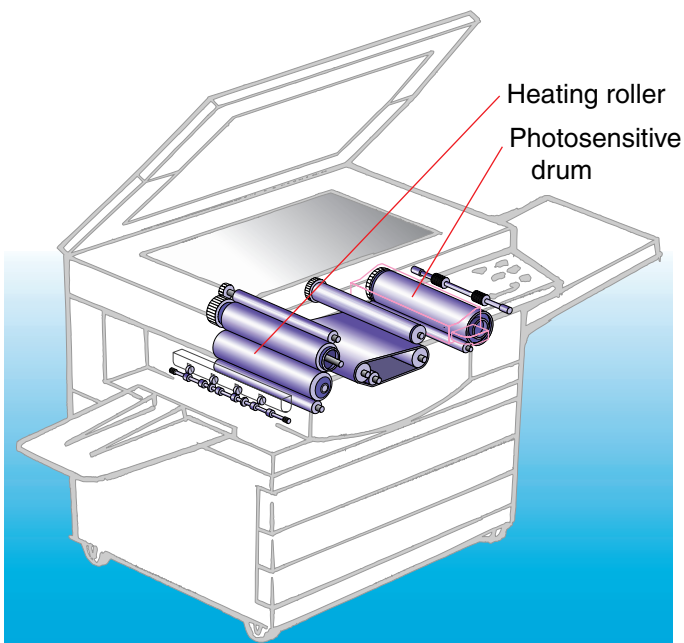
Table 2 shows typical grease for sealed or shielded bearings.

If bearings are to be operated under special conditions, please contact **JTEKT**.

Table 2 Main characteristics and use of grease

Grease Brand	Thickener	Base oil	Operating Temperature Range(°C)	Example for use
ALVANA 2	Lithium soap	Mineral oil	-10 ~ 100	General
SR GREASE	Lithium soap	Ester oil	-40 ~ 100	Wide temp. range
KEX	Carbon black	PAO	0 ~ 130	Conductive
SH44M	Lithium soap	Silicone oil	-30 ~ 180	Copying Machine's Fixing roller
KZ GREASE	Fluorine resin	PFPE	0 ~ 250	Copying Machine's Fixing roller
CY GREASE	Fluorine resin	PFPE	0 ~ 250	Copying Machine's Fixing roller (Conductive)

■ Application Example in Copying Machine



Slim series bearings are suitable for photosensitive drums, heating roller support, and other parts that require space-saving designs.



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Value & Technology



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