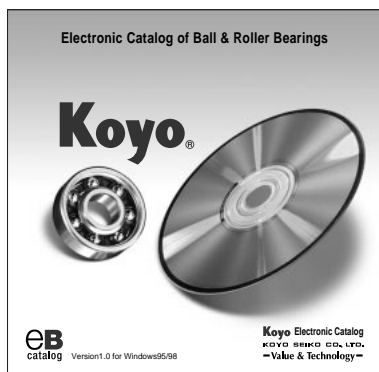


## Koyo Electronic Catalog of Ball & Roller Bearings



An electronic version of the Koyo general catalog for rolling bearings is now available on CD-ROM and includes CAD drawings and technical calculation function.

This CD-ROM provides basic information for those handling bearings and is a support for selecting the best bearing for customers' purposes. It consists of the following four sections:

- Knowledge of bearings
- Bearing selection
- Products information
- Global network

### Contents

#### 1) Knowledge of bearings

This CD-ROM contains technical information from the general catalog of rolling bearings entitled Ball & Roller Bearings and is separated into the following 13 chapters:

- (1) Types of rolling bearings and characteristics
- (2) Examples of bearing arrangements
- (3) Bearing service life and selection
- (4) Tolerance for bearings
- (5) Limiting speed
- (6) Fits
- (7) Internal clearance
- (8) Pre-load
- (9) Lubrication
- (10) Materials
- (11) Shaft and housing design
- (12) Handling of bearing
- (13) Bearing failures and countermeasures

#### 2) Bearing selection

This CD-ROM contains dimension data from the general catalog of rolling bearings. It allows you to take maximum advantage of the benefits of digital data. You can select the bearing you are looking for very quickly and can perform technical calculations.

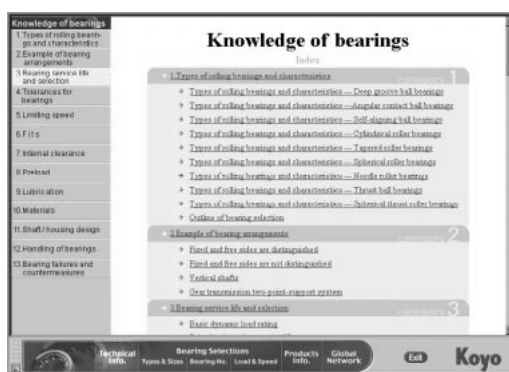
##### ① Selecting bearings

- You can select the bearing you are looking for from a list arranged by bearing type in order of bore diameter. You can also search by inside/outside diameter or width.
- You can search by bearing number, or you can find bearings using the so-called "vague search" function.
- You can search for bearings that meet certain specifications by inputting operating conditions, required rated life and safety coefficient.

##### ② Technical calculations

You can perform six types of technical calculations including passing frequency and corrected rated life regarding bearings searched by various methods.

The results of calculations performed by the



First view of "Knowledge of bearings"



An example of "Bearing failures and countermeasures"

software are only for reference. Please consult with us before your final decision.

##### ③ CAD drawings

This CD-ROM contains CAD drawings for main types of bearings.

The drawings are provided in two forms, depending on bearing types.

· If you install the "Power PARTS" freeware that comes with the CD-ROM, you can display the drawings of bearings on your computer screen.

You can also save the drawings on your hard disk in DXF format.

