

Bearings and Bearing Units

A broad range of bearings and bearing inserts are offered to meet the most demanding operating environments. We control our bearing manufacturing process from design through tooling, material selection, injection molding, and assembly. We've set our standards high to ensure that our products meet or exceed our customers' expectations. Plastic housed bearings are available with labyrinth seals for applications requiring the ultimate protection against dirt, dust, and other contaminants that adversely affect bearing performance and useful life. If you do not see a particular bearing style you require, please contact our customer service department for assistance.

Products include:

Commercial Grade

Most suitable for light to moderate loads and speeds, commercial grade bearings have hardened steel balls and raceways, and are lubricated with light oil. Grease packed units may be ordered for driven applications. Commercial bearings do not have ball retainers, and consequently the balls will contact each other during operation and are a source of conveyor noise. Commercial grade bearing styles include:

- **Plated Steel Bearings / Metal Stamped and Plastic Housings**
- **Stainless Steel Bearings / Plastic Housings**

ABEC-1 Precision

ABEC-1 precision bearings are most suitable for moderate to heavy loads and higher speeds. These bearings have hardened and ground balls and raceways with a ball retainer, and are grease packed at the factory. Several seal or shield options including Contact Rubber Seals (2RS) and Non-Contact Rubber Seals (LLB), or Non-Contact Metal Shields (ZZ) are available to help retain the grease and isolate the bearings from contaminants. ABEC-1 bearings are quiet and typically have a significantly longer life than commercial bearings. ABEC-1 bearing inserts are available in the following configurations:

- **Plastic Housing with Labyrinth Seal**
Provides the highest level of protection from exposure to contaminants.
- **Plastic Housing without Labyrinth Seal**
- **Stamped Plated Steel Housing (Metal Tubes Only)**
*When plastic housings should not be used due to higher loads.
Should be swaged into the tube for optimum performance.*
- **Machined Steel Housing (Metal Tubes Only)**
*Designed for heavier loads. Ideal for SNUBBER and BELT WRAP Roller Applications.
Welded Into the Tube.*