

without labyrinth seals. The labyrinth seal(s) provide protection to the bearing from dust, dirt, and airborne contaminants. These bearings are identified by a 2 in the prefix of the part number. Example - 2A6

### Stainless Steel / Plastic Housings

Designed for light to moderate loads, commercial grade stainless steel balls and raceways provide an excellent solution for corrosive operating environments. For maximum protection against contamination, some housings are available with labyrinth seal systems. Example - 2A7

### Precision Grade / ABEC-1

Designed for higher speeds and heavier loads, ABEC-1 precision bearings are available in chromium steel and optional 440, 304 or 316 stainless steel. ABEC-1 ball bearings and raceways are hardened, precision ground, and incorporate a ball retainer to eliminate bearing to bearing contact. Bearings are factory lubricated. Several seal/shield configurations are offered. Standard configuration is the Non-Contact Rubber Seal (LLB). Options include; the Contact Rubber Seal (2RS) and Non-Contact Metal Shields (ZZ). Bearing housings are available in metal or plastic. Plastic housings are made with conductive or non-conductive materials and available with or without labyrinth seals. Labyrinth seals provide additional bearing protection against dirt, dust, and other airborne contaminants. ABEC-1 bearings provide the highest load and speed capabilities, the lowest noise levels, and the longest life span of any available bearing unit.

 **ABEC-1 Precision bearings in stamped zinc plated metal housings:** Economical alternative to ABEC-1 bearings in plastic housings. These bearing inserts work well in higher load and speed applications while maintaining very low noise levels. The ABEC-1 bearing has hardened and ground balls and raceways, a ball retainer and is grease packed (25% pack) at the factory. Non-Contact Rubber Seals (LLB) protect the caged ball compliment. The stamped zinc plated housing on some variations incorporates a dust shield for added protection to the precision bearing. The life expectancy of a precision bearing is many times that of a non-precision bearing. For optimum performance and bearing life we recommend the bearing units be swedged into the metal tubes. These bearings have a 33 prefix in the part number. **Available for metal tubes only.** Example - 33RP

 **ABEC-1 Precision bearings in Machined metal housings:** The ultimate in load carrying capacity! Ideal for **SNUBBER ROLLERS** and **BELT WRAP ROLLER** applications demanding very high loads and limits. The ABEC-1 bearing has hardened and ground balls and raceways, a ball retainer and is grease packed at the factory. Non-Contact Rubber Seals (LLB) protect the caged ball compliment. The machined metal housings are welded into the tube. A plastic double labyrinth seal system covers the bearing for added protection. The life expectancy of a precision bearing is many times that of a non-precision bearing. These bearings have a 34 prefix in the part number. **Available for metal tubes only.** Example - 34B9