

GENERAL SPECIFICATIONS FOR EBC ROLLING BEARINGS

Materials:

- a) Rings and Rolling Elements
 - Bearing quality, vacuum degassed
 - High Chromium steel equal to SAE52100, SUJ2, GCr15 or DIN 100Cr6
- b) Cages
 - Pressed brass for bore sizes below 10 mm
 - Pressed steel for bore sizes 10 mm to 200 mm
 - Machined brass for bore sizes over 200 mm
- c) Seals (low torque or non-contact design)
 - Nitrile rubber or suitable polymer material with metal reinforcement for operating temperatures up to 110 Celsius
- d) Shields
 - Low carbon steel equal to SAE1010 or BAS361

Boundary Dimensions and Running Accuracy:

- Tolerances in accordance with ISO 492/199/582/ABEC1/GB/T307.1 P0 (China)
- Radial internal clearance of C3 up to and including 60 mm bore
- Radial internal Clearance of C0 (normal) above 60 mm bore
- μm = micrometer

Lubricants:

- 30%-40% filled with NLGI #2 consistency, mineral oil grease in Shielded (ZZ) or Sealed (2RS) bearings equal to Shell Alvania EP2

Noise:

- All bearings shall be noise tested before shipment and the dB levels recorded on the Quality Control document. Unless otherwise specified, standard bearings shall be EMQ, Z1 rated

Packaging:

- Shipping containers shall be suitable for safe export via Ocean & Rail Freight

Quality Assurance:

- A certificate of Quality Assurance must be available for statistically significant samples in each batch, signed and dated by an Approved Inspector