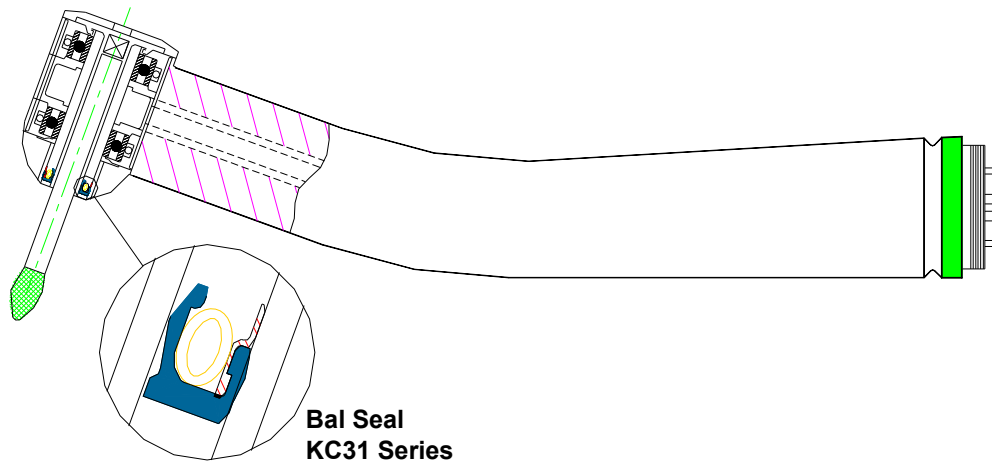


BAL SEAL® SEALS IN DENTAL HAND DRILLS

Drill designs must be light and pencil-like in size to fit within the dentist's fingers. This provides accurate control by the user, during oral procedures.

A rotary tool or bit is mounted at the drill head, which is exposed to oral surgery or harsh sterilization processes environments. Through this area of connection, the bearings and the drive unit are exposed to the environment. These components must operate freely and must not affect power loss or heat build-up, which makes the unit uncomfortable to hold.



Air-Operated Hand Drill

Operating Parameters

| | |
|--------------|--|
| Pressure: | Atmospheric to autoclaved 30 psi (2 kg/cm ²) |
| Speed: | 250 to 30,000 rpm |
| Temperature: | 70°F to autoclaved 275°F (21°C to 135°C) |
| Media: | Air, bearing grease, oral and sterilization fluids |
| Additional: | Low friction and autoclavable |

Seal Selection: KC31X

Features:

- Bal Seal series KC31X selected for its excellent press-in metal locking ring retention system.
- Excellent sealing performance through autoclave sterilization cycles.
- Bearing grease kept from weeping out into the environment, and environmental contamination kept out.
- Low-friction seal design minimizes frictional heat buildup.
- Patented, canted-coil spring energizer provides near-constant force for long seal life.
- Filled PTFE seal materials operate unlubricated and are FDA-compatible.*

For more information and technical assistance, consult the Technical Sales Department.

PATENTS: The items described in this page include products that are the subject of issued United States and foreign patents or products where patents are pending, including the following: Patents 6,641,141 B2; 7,210,398 B2; 6,161,838; 5,992,856; 5,134,244

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Bal Seal Engineering, Inc. is certified to ISO 9001 | www.balseal.com