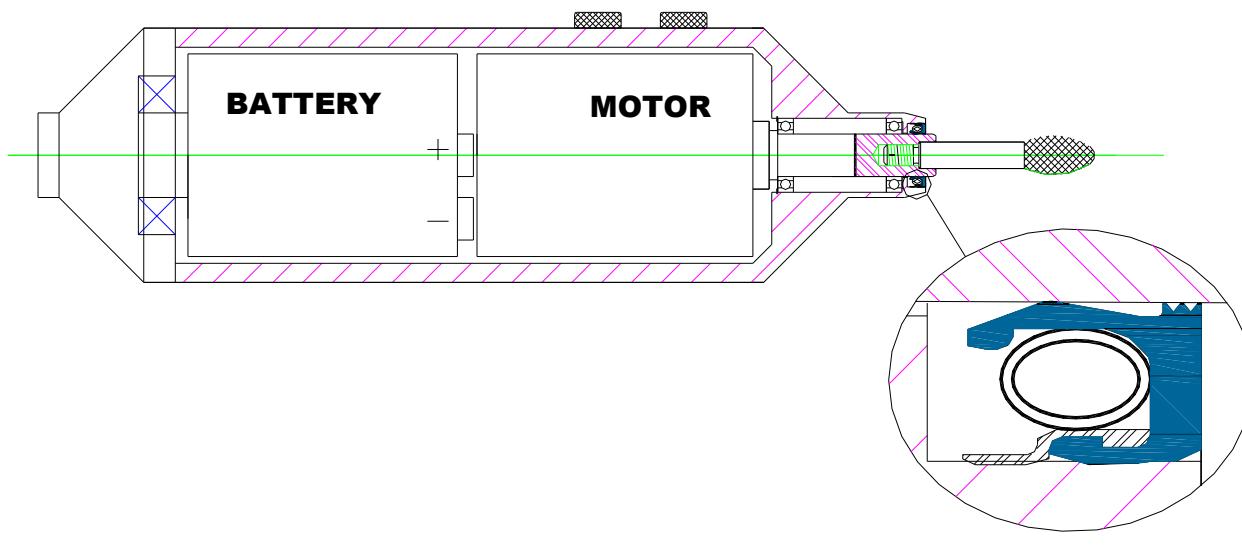


## BAL SEAL SEALS IN ORTHOPEDIC BURRING TOOLS

Burring tools must be small and light to fit in the surgeon's hand; this provides accurate control by the user during orthopedic procedures.

The rotary tool or bit is mounted at the front of the hand piece, which is exposed to surgical and harsh sterilization processes. Through this area of connection, the bearings and the drive unit are exposed to the environment. These components must operate freely and must not cause a power loss or heat build up, causing holding the unit to become hot to hold.



**KC31X Design**

### Operating Parameters

Pressure:	Atmospheric to autoclaved 30 psi (2 kg/cm <sup>2</sup> )
Speed:	250 to 1,000 rpm
Temperature:	70°F to autoclaved 275°F (21°C to 135°C)
Media:	Bearing grease, surgical and sterilization fluids
Additional:	Low-friction and autoclavable

**Seal Selection:** KC31X

### Features:

- Bal Seal series KC31X selected for its excellent metal locking ring retention system.
- Excellent sealing performance during autoclave sterilization.
- Excellent wear-resistant, filled PTFE seal materials operate unlubricated and are FDA-compatible.
- Bearing grease is kept from weeping out into the environment, and environmental contamination is kept out.
- Low-friction seal design keeps minimal frictional heat on the shaft.

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](http://www.balseal.com)