

Salient Characteristics

Lincoln Dental Handpieces

These handpieces must:

- Be twenty-eight (28) in quantity
- Include 6 K-Style 6-pin Couplers
- Be lightweight to avoid excessive hand fatigue : Must weigh between 60-63 grams
- Have a speed control feature in the handpiece head, called Dynamic Speed Control, which limits excessive RPMs. This excessive speed is the number one cause of shattered or damaged bearings and turbines. (This also cuts down on the noise factor generated by the drills, making a more pleasant work environment and comfortable appointment for the patient)
- Must also have a Quick Stop Technology. This is a safety feature that quickly slows the handpiece when the operator removes their foot from the pedal, immediately slowing the bur or drill bit for safety and also prolongs the life of the bearings in the handpiece.
- 4 Water Ports: Handpiece Manufacturers reduce the number of water ports in order to reduce the head size. 4 ports for water cooling and a small head is important to this requirement.
- Small Head size: The head size helps with patient comfort and also with the dentist's visibility and access. The head size must be 10 -10.3 mm in diameter, height 12.6 – 12.8 mm and head volume 128 -130 mm.
- Ceramic bearings: Much quieter than a metal bearing, again for everyone's comfort. They also hold their shape longer which means less vibration, better preparation on teeth and longer life.
- Power Level: The higher the power level means that the handpiece has more power. Power level must be at least 20-22 watts
- Noise Level: As the Dentist and Staff spend approximately 8 hours a day listening to the sound of the handpiece, the quieter the sound it generates the better! The hand piece must generate sound 61 decibels or under.
- Automatic Cleaner and Lubricator: an automatic machine that distributes a precise amount of cleaner and lubricant that runs through the handpieces for a set time. It has been shown to improve handpiece performance and life.
- Handpieces must come with a four year warranty