

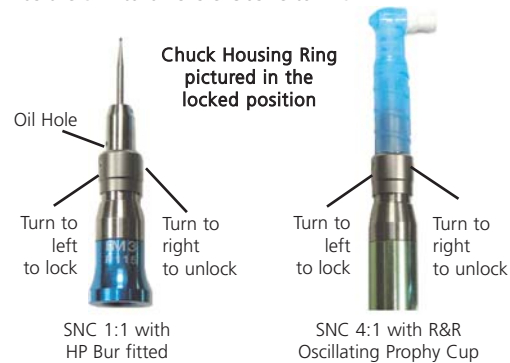
## Sterilization of iM3® Low Speed Handpiece

1. Prepare iM3® Low Speed handpieces and attachments for sterilisation by carefully washing and rinsing with hot water, then apply a good surgical disinfectant cleanser to the exterior surface. Scrub then rinse and clean away any residual solution and particles. Remove moisture with a towel or air from the 3-way syringe.
2. Prior to sterilization, lubricate the handpiece through the hanpiece air inlet using Tri-Flow™ as follows:- Remove attachment from handpiece and oil SNC in oil hole in top of SNC, and then the smaller of 2 big holes in back of LS motor. After lubricating items, assemble and operate for a few seconds to expel excess lubricant, and ensure thorough lubrication.
3. Seal items in sterilization tubing bags. Make sure to remove bur from handpiece prior to sealing.
4. Sterilize in steam autoclave as follows: a) Place handpiece(s) in sterilizer tray(s). B) sterilize at a temperature of 135°C for at least 20 minutes.

**NOTE:** Temperature should not drop below 135°C and should not exceed 140°C. This range of temperature will assure your handpiece sterility and provide you with handpiece longevity.

5. After sterilization cycle is completed, allow handpiece to cool down and lubricate handpiece thoroughly.
6. After lubricating items, insert R&R or bur into handpieces and operate for a few seconds to remove excess lubricant.

Low Speed Motor 5BT: iM3 Low Speed motors with the 5BT label have been built with a 5 Blade Turbine to ensure the veterinarian user long life and extra torque. They should be returned to iM3 for servicing as the 5BT turbine is exclusive to iM3.



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# iM3®

The Veterinary Dental Company

## iM3®

Low speed Motor 5BT  
Straight Nose Cones  
4:1 and 1:1  
Handpiece System

## Operating Instructions

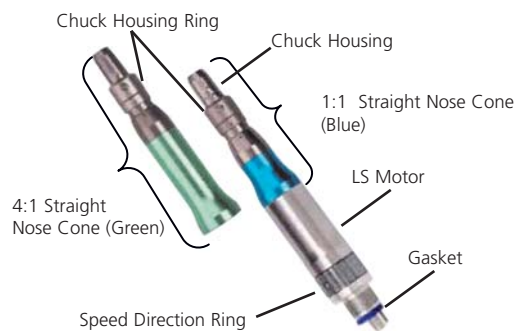


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## iM3® Low Speed Installation Instructions

1. Make sure there is a gasket in place on the bottom of the LS motor. Screw the low speed motor onto the low speed cable connector, hand tighten only.
2. Place the 4:1 or 1:1 SNC on the low speed motor by pushing it all the way onto the top of the motor.
3. Place the iM3® R&R prophy angle or HP bur into the top of the SNC following the instructions in this pamphlet.
4. Set the speed directional ring on the low speed motor to the full forward position by rotating the ring all the way to the right (forward).
5. Set the air pressure on the low speed airline to 40psi.

**NOTE:** Low speed handpiece will operate only when the chuck housing ring on the SNC is in the closed position and L/S Motor speed ring should be in either forward or reverse, not in the middle (neutral).



## R&R Polishing Heads

### Placing R&R Polishing Heads in the 4:1 SNC (Green) and HP Bur in 1:1 SNC (Blue)

1. Hold the handpiece (LS Motor with SNC installed) in one hand while moving the chuck housing ring with your other hand. Twist the ring 1/4 turn to the right until it stays down toward the body of the handpiece in its unlocked or open position.
2. Place the R&R prophy angle over the chuck housing making sure the slot in the R&R lines up with the small nipple or screw in the side of the chuck housing. Bring the leading edge of the R&R to the "stop line ridge" located just below the nipple or screw **OR**  
Place the HP bur all the way inside of the top of the 1:1 Blue SNC chuck housing.
3. Return the chuck housing ring to its original locked position by twisting it 1/4 to the left.

**Warning:** Ring must be **locked** before running handpiece to prevent damage to SNC.

### Removing R&R or HP Bur

1. Twist the chuck housing ring 1/4 turn to the right to the open position.
2. Push first, then pull the HP bur or R&R and remove it from the chuck housing.

### Forward/Reverse Speed Direction Ring

The speed-direction ring can be rotated either right for forward direction, left for reverse. The more the ring is turned away from the mid position, the faster the operating speed. **If the ring is in the neutral position, the handpiece will not operate.**

## Lubricate the iM3® Low Speed Handpiece

Lubricate the low speed motor and SNC every day you use them as follows:

1. Remove the iM3® **Low Speed Handpiece** from the airline connector and apply 2-3 drops of TriFlow™ lubricant (or comparable) in the air inlet - the smaller of the two large tubes on the bottom.
2. Wipe the exterior with a clean, dry cloth or gauze to remove excess lubricant.
3. Re-attach the handpiece with a prophy angle or HP bur and operate for 5 to 10 seconds to distribute the lubricant to all internal parts.

**Caution:** Use only concentric handpiece burs in the 1:1 SNC (blue). Do not use oversized, bent, grooved or off center burs. Never attempt to force a bur or doriot attachment into the low speed chucking system. If the shank does not enter the handpiece easily (with chuck housing ring in the open position), it is oversized and should not be used. The bur or attachment must be fully inserted in the low speed SNC before locking the chuck and operating the handpiece.

