



Avid Dental Products®

Avid Fit® Hygiene Handpiece Manufacturer's reorder numbers:

3.5.1	Avid Fit® Hygiene Handpiece – Pink	3.5.3	Avid Fit® Hygiene Handpiece – Teal
3.5.2	Avid Fit® Hygiene Handpiece – Purple	3.5.4	Avid Fit® Hygiene Handpiece – Aluminum

INDICATION:

This device is to be used by a licensed Dentist or a Dental Hygienist for cleaning procedures on teeth.

CONTRAINDICATIONS:

There are no known contraindications for this device.

PRECAUTIONS:

This device was designed exclusively for use with Avid Fit® Disposable Prophylaxis Angles. Metal prophylaxis angles and other manufacturer's DPAs will not attach properly. If the handpiece motor will not rotate the DPA when in an angled position, yet it will operate in a straight position, then the handpiece drive mechanism must be replaced. Send in handpiece for repair.

WARNINGS:

Do not operate this device at speeds exceeding 3500 RPM. Do not use with a compressed air supply greater than **40 psi** (2.8 bar). Clean filtered air is essential for long, trouble-free life of the motor. An air filter no larger than 50 microns is recommended to be installed in the supply line.

CAUTION – US Federal Law restricts this device to sale by or on the order of a dentist.

INSTRUCTIONS FOR USE

Installation of the Avid Fit® Disposable Prophylaxis Angle to the Avid Fit® Hygiene Handpiece

- First time out of the box: Sterilize handpiece before initial use by following the sterilization instructions below.
- Assemble the Avid Fit® Disposable Prophylaxis Angle to the Avid Fit® Hygiene Handpiece by aligning the drive shaft of the prophylaxis angle with the collet hole at the working end of the handpiece. Make sure the handpiece is not under power, not rotating.
- To install the DPA on the nose cone, see Drawing 1. Align the notch of the DPA with a smooth surface on the nose cone. Align three elongated torque members (protrusions) from the Avid Fit® Hygiene Handpiece with three elongated torque members (indentations) on inside of Avid Fit® Disposable Prophylaxis Angle and push the prophylaxis angle onto the handpiece.
- Grasp the head of the prophylaxis angle and firmly push it onto the body of the handpiece until the prophylaxis angle is fully engaged on the handpiece nose cone.
- Test operate the assembly to ensure a secure attachment and proper operation.
- Reposition the adjustable handpiece to the desired position before and during procedure.
- Perform the prophylaxis procedure, making sure to observe the 3500 RPM speed limit of the handpiece/prophylaxis angle assembly.

TENSION ADJUSTMENT OF NOSE CONE

- Install the Avid Fit® Disposable Prophylaxis Angle onto the nose of the Avid Fit® Hygiene Handpiece.
- Grip the prophylaxis angle with one hand and grip the plastic locking seal with the other hand using the prophylaxis angle as a tool and turning the prophylaxis angle. Loosen and/or tighten the nose cone until your preferred resistance is achieved.
- If the handpiece will not stay in the desired position or if the nose cone will not tighten, replace the locking seal using the following instructions.

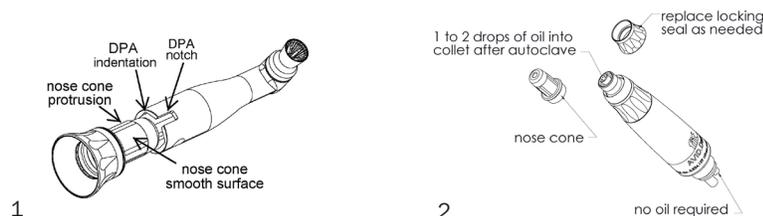
REPLACING THE LOCKING SEAL

- Install an Avid Fit® Disposable Prophylaxis Angle onto the nose cone of the Avid Fit® Hygiene Handpiece.
- Grip the prophylaxis angle with one hand and grip the locking seal with the other hand using the prophylaxis angle as a tool and turning the prophylaxis angle. Loosen the nose cone slightly.
- Remove the prophylaxis angle from the nose cone.
- Unscrew the nose cone until it is completely removed. Set aside.
- Slide the locking seal off of the handpiece.
- Wipe down the outside of the handpiece that the locking seal covered.
- Slide on new locking seal (manufacturer's part number 3.1.2). NOTE: This is a critical step for proper function. See DOS and DON'TS section.
- Screw on the nose cone.
- Install an Avid Fit® Disposable Prophylaxis Angle (DPA).
- Use the DPA to tighten nose cone to adjust locking seal to desired tension.

NOTE: Discontinue use if incorrect or improper operation is observed.

MAINTENANCE

- Remove the prophylaxis angle and clean the handpiece after every use with a suitable disinfectant wipe or spray cleaner.**
- The Avid Fit® Hygiene Handpiece requires the following maintenance after each sterilization:
 - Referring to Drawing 2, remove the nose cone, then remove the locking seal to reveal the collet. Apply one to two drops of handpiece oil* down into the collet. Let stand vertically for 5 minutes. Replace locking seal and nose cone.



- c. The Avid Fit® Hygiene Handpiece air motor requires NO LUBRICATION. However, it is not unusual for particulate matter from the air supply to accumulate in the motor after long usage. To prevent this problem, we recommend that you perform this cleaning procedure routinely on a monthly basis, or if the motor becomes sluggish.
 1. Disconnect the air tubing connector.
 2. Apply 3 to 4 drops of Air Motor Cleaner** (not oil lubricant) into the small inlet tube on the handpiece connector.
 3. Reconnect the air tubing connector and run the motor for approximately 10 seconds or until the motor runs smoothly.
- d. Sterilize the handpiece after each use using the procedures below.
- e. Replace the locking seal (manufacturer's part number 3.1.2) as needed. This locking seal locks the position of the handpiece and seals the handpiece. Replacement of this locking seal when needed will ensure long life and proper functionality of the Avid Fit® Hygiene Handpiece.

*Manufacturer's part number 3.5.6 (can use other suppliers)

** Not sold by Avid Dental Products® (can use other suppliers)

STERILIZATION OF HANDPIECE

NOTE: Chemical vapor sterilization and dry heat sterilization methods have not been tested or validated for efficacy, and are not recommended for use. Do not exceed sterilization temperatures over 135°C (275°F).

- a. Remove nose cone from handpiece. Remove the locking seal. Cold sterilize the locking seal.
- b. Remove excess soil with disposable cloth or paper wipe.
- c. Use a chemical indicator for each sterilization cycle.
- d. To sterilize the handpiece and nosecone, use a steam autoclave method outlined below.
- e. After sterilization, to avoid contamination and thermal injury, allow handpiece to dry and cool completely before handling.
- f. Allow the handpiece to cool completely before placing the locking seal on the handpiece. Otherwise, the locking seal will become distorted and will be unfit for proper function and proper tension will not be achieved.
- g. After the drying and cooling process, and prior to using on patient, affix the airline to the handpiece and run handpiece away from the patient to eliminate any condensation from handpiece.

Statim cassette method:

- a. Handpieces that will be used immediately or within a short period of time can be sterilized unwrapped in the cassette, provided they are handled aseptically during removal from the autoclave and during transportation to the point of use.
- b. Ensure the sterilizer's maximum load is not exceeded.
- c. Place unwrapped handpieces in the cassette along with the chemical indicator.
- d. Proceed with the "Unwrapped Cycle" for 4 minutes at 135°C (275°F) according to the autoclave manufacturer's instructions.

Gravity displacement method:

- a. Place each handpiece in a separate steam-sterilization pouch.
- b. Place the wrapped handpiece correctly into a gravity displacement type autoclave. Wrapped items should be packed loosely in the autoclave to allow for proper steam penetration.
- c. Set the autoclave cycle for 15 minutes at 135°C (275°F) according to the autoclave manufacturer's instructions.

REUSE LIFE

- a. As long as the Avid Fit® Hygiene Handpiece will receive an Avid Fit® Disposable Prophyl Angle and operates normally, it can be used.

USER DEVIATIONS

- a. This Avid Fit® Hygiene Handpiece was designed for the indications listed above. Any other use of this item for any other purpose is doing so at the risk of the user.
- b. It is the responsibility of the user to follow the maintenance and sterilization instructions for proper functionality and adequate safety.

Repair and Warranty Information: www.avid.dental

DOS AND DON'TS

DO

- Remember to order Avid Fit® Disposable Prophyl Angles.
- Go to www.avid.dental for more information on the Avid Fit® Hygiene Handpiece.
- Change locking seal when handpiece no longer holds desired tension.
- Refer to Avid Dental Products® YouTube channel for important instructions for changing the locking seal.
- Oil drive mechanism after each sterilization or after every 20 uses.
- Please autoclave handpiece before returning to us.
- Spread the word about your Avid Fit® Hygiene Handpiece.

DON'T

- DON'T install or uninstall DPA while handpiece is under power and turning.
- DON'T oil the motor; it is lube free.
- DON'T remove nose cone with the DPA attached. Only use DPA to loosen nose cone. then remove DPA before fully unscrewing nose cone.
- DON'T remove air motor cartridge and use motor for any other device except the Avid Fit® Hygiene Handpiece.
- DON'T use other manufacturer's DPAs or metal prophyl angles with the Avid Fit® Hygiene Handpiece.

Made in the USA

Manufactured by: Avid Dental Products®

