

Assessment Checklist:

Magneto Inserts and Piezo Tips

Effective and efficient power scaling begins with inserts and tips that are in optimal condition. Use the following checklist to assess the state of your inserts and tips.



STEP 1: Check all inserts/tips for optimal shape and wear

Worn tips can diminish your scaling efficiency. Just 1 mm of tip wear equals a **25% loss in efficiency**, while 2 mm of tip wear equals a **50% loss in efficiency**. Using worn tips can lead you to apply more pressure, which dampens vibration and reduces effectiveness, or compensate by increasing generator power, often to levels the tip is not designed for, which can result in increased aerosols and tip breakage.¹

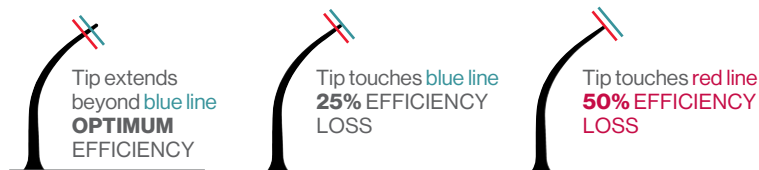
Check Tips Using a Wear Guide*

Check Tip Shape

Match the tip to the corresponding outline to evaluate its shape.
If the shape does not match the silhouette, discard the insert/tip.

Check Tip Length

Match the tip to the corresponding outline to evaluate its length.
Discard, reorder or keep insert/tip depending on tip length.



*Download one of our Wear Guides or call Customer Care at 1-800-Hu-Friedy for a hard copy.



[Magneto Wear Guide: HF-466](#)



[Piezo Wear Guide: FA-125](#)



[Magneto Insert and Piezo Tip Performance Assessment Guide: HFL-039](#)

¹Newman and Carranza's Clinical Periodontology for the Dental Hygienist - E-Book By Michael G. Newman, Gwen Essex, Lory Laughter, Satheesh Elangovan, page 515.e22

STEP 2: Check all inserts/tips for critical features

Magneto Inserts

Stacks

Stacks should be straight with leaves that nest together for optimal tip vibration. Compromised stacks will result in reduced or no tip vibration. You should replace any inserts with stacks that appear:

Bent **Broken** **Warped**
Splayed **Detached**

O-rings

O-rings prevent leakage by forming a seal between the insert and the handpiece. You should replace any O-rings that appear:

Dry **Brittle** **Cracked**

Piezo Tips

Wrenches

Torque wrenches house the piezo tip during cleaning, sterilization and storage and protect the clinician from having to directly touch the tip. To protect the tip, you should replace wrenches that show the following:

Cracks **Wear**

Flats

Piezo tips are available in Hu-Friedy EMS or S series.

- Hu-Friedy EMS Series tips have 4 flats on the base of the tip
- S-Series tips have 2 flats on the base of the tip

Check flats for signs of wear

Using the wrong Series tip can result in damage to the tip or handpiece.

STEP 3: Reorder

Contact your dealer or your HuFriedyGroup representative for more information or to place your order. List inserts/piezo tips that need to be replaced. Please list either part codes or descriptions: more information can be found at Hu-Friedy.com

Part Code	Description	Quantity
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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