

DENTSPLY
PROFESSIONAL



MIDWEST®
STYLUS™ ATC
ANYTHING ELSE IS ORDINARY

www.StylusATC.com

High-Speed Handpiece System

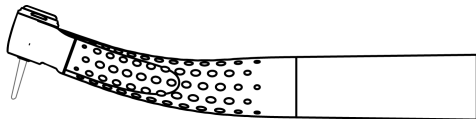
Lubricate and sterilize handpiece prior to use.

Before operating the handpiece, carefully read, follow
and save these instructions for future reference.

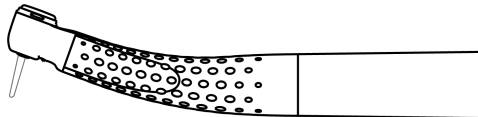
Observe all cautions and warnings.

Caution: U.S. Federal Law restricts sale of this device to or on the order of a Dentist

The Midwest[®] Stylus[™] ATC



Midwest Stylus ATC 890 Mid-Sized Head



Midwest Stylus ATC 990 Mini-Head

High-speed Handpiece System

Installation, Maintenance and Operation Instructions

INDICATIONS FOR USE:

The Midwest® Stylus™ ATC System is an air-powered dental handpiece system intended for use in general dentistry.

PRECAUTIONS:

- Sterilize handpiece prior to use.
- Handpieces should be steam-sterilized between patients to prevent cross-contamination that could result in serious illness or even death from infectious organisms such as HIV (the virus that causes AIDS) or Hepatitis B.

CONTRAINDICATIONS:

- Do not use this Midwest Stylus ATC handpiece within the oral cavity when a soft tissue wound is present. Air pressure may force septic materials into these tissues.
- Where sterile water is required or deemed appropriate in the best professional judgment of the dentist, this product should not be used.
- The Midwest Stylus ATC handpiece must not be used for oral surgery.
- Use of oral surgical burs is not within the intended use of the Midwest Stylus ATC handpiece.
- This product is intended for use by dental professionals only.
- It is the responsibility of the Dental Healthcare Professional (DHCP) to understand the intended uses of this product,

the health of each patient, the dental procedures being undertaken and industry and governmental agency recommendations, requirements and regulations for safe practice of dentistry.

- The only handpieces compatible with the Midwest Stylus ATC system are the Midwest Stylus ATC 890 mid-sized- head (REF 881300) and the Midwest Stylus ATC 990 mini-head (REF 882300) high-speed handpieces.
- The ATC system must be connected to a clear, dry, filtered air supply.
- Minimum flow requirement: 2.0 scfm at 70 psi.
- The use of incompatible components may result in damage to the incompatible components and/or damage

to the Midwest Stylus ATC system.

- Do not cut with the handpiece unless you are sure the bur is secure. Do not extend the bur outward from the handpiece head. A loose or extended bur could eject from the head or break and cause personal injury.
- Midwest turbines should not be rebuilt. Replacing bearings only could result in unexpected failure and patient injury due to wear of new components versus old components.
- Total length of rotary cutting instrument used in the Midwest Stylus ATC handpiece must not exceed 23 mm (.91").
- Cap and button can only be replaced by Midwest Air Repair Service.



CAUTION: In the event of irregular operating noise, excessive vibration or heat generation, immediately discontinue use of the Midwest Stylus ATC system and contact Air Repair at 1-800-800-7202.

Never operate the Midwest Stylus ATC handpieces under the following conditions:

- **Under “no load” condition for extended periods of time.**
- **If you experience a sudden and noticeable change in handpiece noise or vibration.**
- **If bur moves forward more than 1 mm while you are operating the handpiece.**

Product Overview

Midwest Stylus ATC high-speed fiber-optic handpieces are only compatible with the Midwest Stylus ATC coupler and tubing. Available in Midwest Stylus ATC 890 mid-size-head (REF 881300) and Stylus ATC 990 mini-head (REF 882300) high-speed handpieces.

Handpiece Installation Overview

AIR & WATER SPRAY/SUPPLY REQUIREMENTS

Series	Head Size	Chip Air	Water
890	Mid-Sized-Head	25 psi	12 psi
990	Mini-Head	30 psi	6 psi

- If you get a stream of water instead of a fine mist, just increase the chip air or “coolant air” on the delivery unit until the desired fine mist spray is achieved.

System Disinfection

(System = control source, tubing and coupler)

The Midwest Stylus ATC control source, tubing and coupler should not normally come into contact with the patient and are **NOT STERILIZABLE**. To reduce the risk of cross contamination, it is recommended that you use suitable disposable protective barriers or wipe outer surfaces with a disinfectant solution after each use. A detergent/disinfectant may be used to wipe down external surfaces of the Midwest Stylus ATC coupler, tubing and control source. Any detergent/disinfectant used must be compatible with stainless steel, silicone, Viton, urethane and polyurethane.

Use a suitable wipe moistened with disinfectant. **Do NOT use chloride-based detergents/disinfectants. Do NOT immerse the Midwest Stylus ATC control source or spray disinfectant directly onto the control source.**

Handpiece Cleaning & Maintenance

DENTSPLY RECOMMENDS THE FOLLOWING STEPS BETWEEN EACH PATIENT USE TO PREVENT CROSS-CONTAMINATION AND TO ENSURE CONTINUED TROUBLE-FREE OPERATION OF YOUR MIDWEST STYLUS ATC SYSTEM.

FLUSH SYSTEM WATER LINES

The dentist is responsible for the proper maintenance of all dental unit water lines, including recommendations for flushing or chemical flushing. Consult the operator's manual of your dental unit for instructions. Prior to use, run handpiece for 30 seconds to allow water to flush through the Midwest Stylus ATC tubing.

After Every Use

1. Disconnect handpiece from coupler.
2. Press push button to remove bur.
3. Scrub and rinse handpiece under warm water with soft sponge. Scrub fiber-optic light port well.
4. Connect ATC Lubrication Nozzle and Cap assembly onto Midwest Aerosol Spray.
5. Fully insert nozzle into handpiece, listening for a “click.”
6. Cover handpiece head with paper towel. Hold spray can upright; spray for one second.
7. Connect ATC Maintenance Coupler to back end of handpiece.
8. Cover ATC handpiece head with spray guard or paper towel.
9. Connect handpiece to Midwest Air Station with ATC Maintenance Coupler. Run air through handpiece for 30 seconds at 40 psi to expel lubricant.
A Midwest Stylus ATC maintenance nozzle (REF 880080) and/or maintenance coupler (REF 880090) must be used for proper lubrication of a Midwest Stylus ATC handpiece.
10. If not using air station, connect to 4- or 5-hole hose to expel. **Caution:** ATC Maintenance Coupler must be used to expel lubricant. Do not use the ATC controller unit to expel.
11. Wipe off excess lubricant on outside of handpiece with dry gauze pad or paper towel.
12. Steam sterilize handpiece (without bur) at maximum 135°C/275°F (bagged cycle).

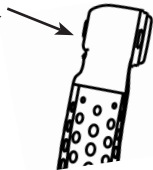
Weekly

1. LUBRICATE CHUCK ONCE A WEEK

a. Weekly, or if push button gets stiff, insert a drop of Midwest Plus™ lubricant (REF 380130) into **handpiece chuck only**. Do this **before** sterilization.

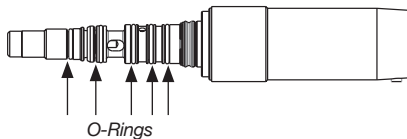
b. Free run handpiece without a bur until excess lubricant is expelled (minimum 30 seconds).

Wipe off excess lubricant on outside of handpiece with a dry gauze pad or paper towel.



2. LUBRICATE COUPLER O-RINGS

Weekly or if handpiece swivel gets stiff, lightly lubricate the coupler O-Rings with Midwest Plus™ lubricant (REF 380130).



As Needed

CLEAN HANDPIECE WATER SPRAY HOLES

Run the cleaning wire back and forth in spray hole to loosen and remove mineral build-up at spray surface.

Sterilization

Steam autoclaving is the recommended sterilization method. Any other form of sterilization (eg. Chemiclave, dry heat) have not been tested or validated for efficacy and are strongly discouraged. **Use of these methods will void warranty.**

BAGGED (WRAPPED) STERILIZATION

DENTSPLY Midwest recommends using sterilization bags with at least one paper side.

1. Insert handpiece (without the bur) into sterilization bag.
2. Load into sterilization cassette/chamber.
NOTE: Sterilize per sterilizer manufacturers recommendations.
3. Do not exceed a temperature of 275°F (135°C).
4. Keep handpiece in bag until ready to use in the operatory.
5. Before use, dry handpiece and run handpiece with bur for approximately 10-15 seconds expelling any excess lubrication or condensation from the handpiece.

Operation

1. Install the Midwest Stylus ATC System according to the Midwest Stylus ATC Instructions for Installation (REF 87148).
2. After the Midwest Stylus ATC System is properly installed, insert the handpiece into the coupler until it audibly “clicks” into place. Check for a secure connection by tugging on the handpiece.
3. Depress the foot control on the dental unit to operate the Midwest Stylus ATC handpiece.

NOTE: Do not attempt to remove handpiece from coupler when drive air is active.

Warranty

The Midwest Stylus ATC handpiece is guaranteed to be free of defects in materials and workmanship for a period of twenty four (24) months from date of purchase – provided that the handpiece has been operated and maintained as prescribed in these instructions and has not been subjected to apparent misuse, abuse or accident (at the discretion of DENTSPLY).

The Midwest Stylus ATC control source, tubing and coupler are guaranteed to be free of defects in materials and workmanship for a period of thirty-six (36) months from date of purchase – provided that the Midwest Stylus ATC control source, tubing or coupler has been operated and maintained as prescribed in these instructions and has not been subjected to apparent misuse, abuse or accident (at the discretion of DENTSPLY).

All questionable, defective or loose parts must be returned to the distributor with the Midwest Stylus ATC control source, tubing or coupler and **proof of purchase**.

Repair

WITHIN THE UNITED STATES

Midwest Air Repair™

Should your Midwest Stylus ATC handpiece require maintenance or repair, call Midwest Air Repair™ at 1-800-800-7202 to schedule a free pick-up. Use only Midwest components to repair handpiece.

Air Repair offers:

- 48 hour turnaround
- Genuine Midwest Parts and Midwest Quality
- Expert Troubleshooting and Diagnosis
- Repair Service Warranty

When sending in a handpiece for repair, please provide the following information:

- Your complete name and address
- Distributor name and address
- Product description
- Product symptoms (complaint code)
- Midwest PR#

Send to:

DENTSPLY Professional

Attn: Midwest Air Repair
901 West Oakton Street
Des Plaines, IL 60018-1884
800-800-7202

OUTSIDE THE UNITED STATES

Outside the United States, should your Midwest Stylus ATC handpiece require maintenance or repair, contact your local DENTSPLY representative:

DENTSPLY Canada

161 Vinyl Court
Woodbridge, Ontario L4L4A3
800-263-1437

Maintenance Products

Description	SKU
Midwest® Plus™ Aerosol Spray	380080
Midwest® Plus™ Handpiece Lubricant	380130
Midwest® Handpiece Air Station	380800
Midwest® Spray Guards	380150
Midwest® Stylus™ ATC Maintenance Coupler	880090
Midwest® Stylus™ ATC Nozzle for Midwest® Plus™ Aerosol Spray	880080

CRL[®]**US**
Medical Equipment





DENTSPLY Midwest
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