

COMPLETE PRODUCT CATALOG





Johnson-Promident has been the trusted source for handpieces, rotary instruments, replacement parts, and accessories for over four decades, and we now offer over 1,000 products. This catalog showcases our products, but it also includes a great deal of additional educational information. We hope that you will take the opportunity to attend “Johnson-Promident University”. If you do, you will learn about different types of handpieces, which types of attachments go with which handpieces, and how to maintain handpieces to ensure best longevity and performance. This should help you make the best choices to meet your needs.

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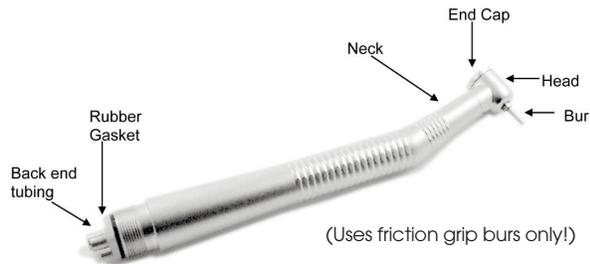
Johnson-Promident University High Speed Handpieces 101 Overview



What is a High Speed Handpiece?

A hand held drill, usually air-driven (can also be electric), that spins cutting burs at approximately 400,000 RPM.

- Used for cavity preparation, removal of tooth structure and margin creation.



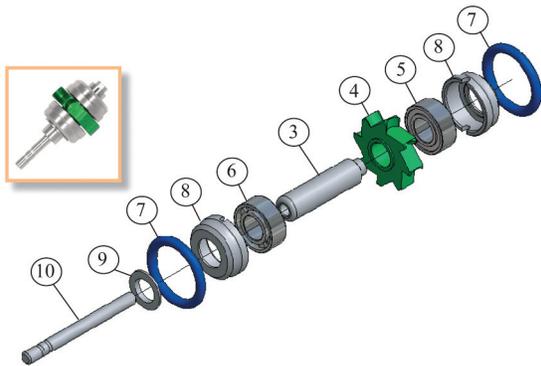
How Does a High Speed Handpiece Work?

- Air turns a turbine located in the head (front) of the handpiece.



Turbine or Rotor

- The turbine consists of two miniature bearings, an impeller, and a spindle/chuck assembly that holds the bur.



- Air is introduced into the handpiece via the chair unit foot pedal, goes through the airline attached to the back end of the handpiece, up through the handpiece shell, and into the handpiece head where it is forced over the impeller of the turbine, causing the turbine to spin.
- After the air moves around the turbine impeller, it is then forced out of the head and moves back down through the shell of the handpiece and out through the handpiece's back end exhaust port.

How Fast Does the Handpiece Run?

- The speed depends on the pressure (PSI) of the air supply, the size of the turbine assembly and the configuration of the turbine components (i.e., bearings, impeller, and spindle).
- An average sized turbine (such as a Midwest Tradition) running at 38 PSI should spin at approximately 400,000 RPM.
- Larger sized turbines (such as a KaVo Super Torque) running at 38 PSI should spin at approximately 325,000 RPM but will achieve the same torque as smaller turbines due to their mass.



Does Head Size Matter?

- Most brands of handpieces offer small (miniature) and large head versions, and different brands vary (KaVo tends to have larger heads and Star has smaller heads).
- Smaller heads have advantages for providing better visibility and easier access (especially with children).
- Larger heads have the advantage of much higher torque and cutting power.

How Long Will a Handpiece Turbine Last?

- The average life span of a handpiece turbine ranges from six to twelve months, depending on the level of use and maintenance procedures. The most common cause of premature failures is infield conditions.

Top 3 Mistakes

1. Use of disinfectants to clean or wipe off handpieces
2. Lack of lubrication or improper lubrication
3. Use of too much air pressure



See Page 5 for maintenance tips.

Johnson-Promident University

High Speed Handpieces 101

Handpiece Tubing Compatibility

What Are the Types of Tubing Connections?

2 Hole (Borden Connection)

- Usually the standard in developing countries (e.g., all of Latin America).
- Has one large hole, which is air intake to drive the turbine to spin, and a small hole for water to cool the bur/tooth.
- No air exhaust, so the exhaust just blows right out of the handpiece, making it much louder.
- Also, no chip air, so the water comes out more as a stream than as a fine mist.
- A 2/4 adapter can be used to fit this kind of handpiece onto 4 hole tubing, but the handpiece will still not have the chip air or exhaust air features.

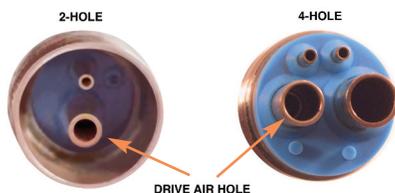


3 Hole

- Used very little. In fact, we may be one of the last manufacturers still to offer this style!
- Has the same handpiece thread design as 2 hole, but with the addition of one extra small tube for the chip air line to allow the water to come out as a fine mist.
- Can be converted to 2 hole by simply removing the chip air tube.

4 Hole (Midwest Connection)

- The standard in the U.S. and Europe.
- Has two large air holes (the smaller of the two is air in and the larger is air exhaust out).
- Also has two small holes, a water tube and a chip air tube (which brings air to the head where it either mixes with or hits the water to make a fine mist) to cool the bur/tooth and clear debris.
- A 4/2 adapter can be used to fit this kind of handpiece onto 2 hole tubing, but the handpiece will lose the exhaust and chip air feature.



Tubing connections meet international standards, so any handpiece with a certain tubing configuration will always fit that type of tubing...but cannot fit a different tubing configuration unless a special adapter is used.

5 Hole

- Has the same handpiece thread design as 4 hole, but with the addition of a fiber optic rod which transmits light through the handpiece and illuminates the bur and tooth area for better visibility.
- Has all the other features of 4 hole as well.
- A 5 hole handpiece can be used on 4 hole tubing, but the light feature will not function.



Quick Disconnect Coupler Connections

- Couplers can be 2 hole, 4 hole, and fiber optic (2 types).
- 5 hole fiber optic couplers have an internal glass rod that goes onto tubing that has a light source (bulb) either in the tubing or on the dental control unit.
- 6 pin couplers (with 4 holes like a normal 4 hole handpiece plus 2 metal pins to provide electricity) have the light bulb in the coupler itself.



Helpful Hint:
Turn the tubing connector, not the handpiece, to screw the tubing on/off the handpiece.

Johnson-Promident University

High Speed Handpieces 101

High Speed Connections

What Are the Different Types of High Speed Handpiece Connections?

- Handpieces can come with either a **fixed back end** or a **quick disconnect swivel** style.
- Both types of back ends can come with 5 different tubing connection configurations (i.e. 2 hole, 4 hole).

Fixed Back

- Does not have a swivel coupler; must be screwed on/off tubing for cleaning and does not swivel.
- Connections are internationally standardized and universal (ISO) so that any brand of handpiece will fit the same tubing connection configuration.



Quick Disconnect

- The handpiece has a hollow back end that can be snapped onto a coupler.
- The coupler is screwed onto the tubing, allowing the handpiece to be quickly attached and removed for cleaning.



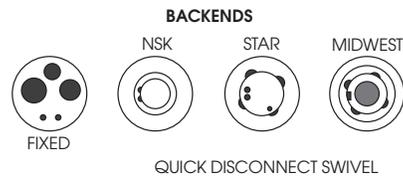
What are the Benefits of Quick Disconnect Couplers?

- Easy and fast removal of the handpiece from the tubing.
- Increased dentist comfort, because the swivel reduces the drag of the tubing.

What are the Disadvantages of Quick Disconnect Couplers?

Every major brand of handpiece has its own proprietary connection between the handpiece and the swivel, so handpieces and swivels from different brands are not compatible.

Many manufacturers are beginning to offer handpieces that will fit other brands of couplers, but it appears to us that the KaVo MULTiflex style coupling is winning the battle to become the universal quick connect style.



Chucking Mechanisms

What is a Chucking Mechanism?

The mechanism that allows the handpiece to hold a bur.

What are the Different Types of Chucking Mechanisms?

1. Standard Screw-Type (bur tool-type)

- The spindle and chuck (the parts of the turbine that hold the bur) are separate.
- A bur tool is required to insert and remove the bur; it screws the chuck down into the spindle causing the chuck to tighten around the bur.
- Screw-type chucks can be replaced in repair.



2. Push Button-Type

- The spindle and chuck are a single assembly.
- The push button cap on the handpiece presses on the actuator on the top of the spindle which engages an internal spring component to open or close the chucking mechanism.
- Bur shank size is important – burs with shanks under .0626 or over .0630 cannot be used.



Benefits of Push Button Chucks

- Easy insertion and removal of burs.

Disadvantages of Push Button Chucks

- Do not provide as strong a grip on the bur as screw-type chucks.
- Heavy use can cause the chuck to strip, which will result in poor bur retention.
- Higher cost to purchase.
- Once the chuck fails the whole turbine must be replaced instead of just the chuck.



High Speed Handpieces 101

Handpiece Maintenance Tips



Debris

- Introduced into the handpiece through dirty air and water every time air pressure is released.
- The best way to remove it is to flush the handpiece between patients using a handpiece cleaner and lubricant.



Same turbine
but different
maintenance

- Blow out the handpiece using compressed air to remove loose debris, cleaner, and lubricant before sterilization (a handpiece should never be run without a bur!).



Air Pressure

- Excessive air pressure (exceeding 40 PSI) could cause damage to turbine bearings, reducing the performance of the turbine.
- When handpiece performance is reduced at 35 PSI the turbine should be rebuilt or replaced.

Sterilization Tips

- Never exceed 275°F (135°C) during the sterilization cycle; use the lowest temperature possible while still achieving proper sterilization of instruments.
- Subjecting bearings to higher temperatures can cause the materials to break down and crack.
- Handpieces should only be used at room temperature, not hot.
- Never cool handpieces under cold running water; quick cool downs are bad for turbine components.
- If sterilizers are not maintained properly, excessive debris will bake onto the turbine and result in premature failure.
- Never use a dry heat sterilizer; the excessive heat will damage bearings.

Air and Water Supplies

- Must remain free of debris.
- Filters should be used and checked often.
- Compressor oils and carbons must be filtered from the air supply.
- An air dryer should also be used and maintained as required.

Push Button Spindle Maintenance

- Push button spindles are made of metal components and require small amounts of lubricant and periodic flushing for an extended life span.
- Use a handpiece cleaner or combination cleaner/lubricant (lubricating alone is not enough).
- Spray handpiece cleaner and lubricant up into the front of the spindle; an adapter may be required.



- Then flush the handpiece to remove debris from the handpiece head that has been introduced from flushing the spindle.
- Doing this will help remove debris from within the spindle assembly, which will prevent the spindle from sticking open or falling.

Lube Free or Maintenance Free Turbines (Beware)

- Only the bearings are maintenance free!
- The bearings are pre-greased at the factory and shielded to help protect them from debris and the removal of lubricants during use.
- Other turbine components still need to be maintained; O-rings will dry out without lubricants and push button spindles require lubrication and flushing.

Ask the Doctor:

1. *When was the last time you changed your filters?*
2. *What do you use to clean your handpieces?* (Disinfectants are not allowed, dry heat sterilizers are bad too.)
3. *Where do you spray lubricant?* (Offices often are lubricating wrong holes, so no lube is getting where it needs to be.)
4. *How often do you use a handpiece cleaner in the chuck?* (Probably never.)
5. *At what air pressure do you run your handpieces?* (Many dentists believe more pressure means faster preps, but it is not true.)
6. *Do you elongate the bur, i.e., not put the bur all the way in the chuck to get deeper access?* (Sell them surgical length burs or they will be replacing turbines often.)

*Did you know that
Johnson-Promident has been
repairing handpieces for
over 40 years? Give us a try!*

Johnson-Promident University

High Speed Handpieces 101

Handpiece Maintenance

Instructions for Operation and Maintenance:

In order to always provide the handpiece with clean air, water accumulated in the compressor must be drained out ONCE A DAY. DAILY LUBRICATION IS ABSOLUTELY ESSENTIAL.

Operate the handpiece at pressures of 30 to 35 pounds per square inch. The handpiece is engineered to attain speeds of 350,000 RPM at 30 pounds and 400,000 RPM at 35 pounds.

Use the brush to remove foreign particles. A fine wire is provided for cleaning the water spray hole and to prevent clogging. Particles can be dislodged by blowing air backward from the contra angle head. NOTE: DO NOT attempt to blow particles from the rear end of the handpiece, as larger particles will be blocked in the water tube.

Sterilization Procedures: (Autoclave and Chemiclave Only)

Clean External Surface: Remove bur from handpiece and scrub with a toothbrush or 2" x 2" gauze using warm tap water. DO NOT IMMERSE HANDPIECE.

Dry: Thoroughly dry handpiece using gauze, paper towel or air syringe.

Clean/Lubricate Internal Surface: Using a combination cleaner/lubricant or DCL 90, spray handpiece in drive air hole and in chuck.

Expel Cleaner/Lubricant: Reinsert bur into handpiece head, connect handpiece to tubing and run for 5 seconds to thoroughly expel debris and excess lubricant.

THE HANDPIECE MUST BE OPERATED ONLY WITH A BUR OR BUR BLANK. DO NOT OPERATE EMPTY.

Clean Fiberoptic Bundle: Using a cotton swab with isopropyl alcohol, wipe the surface on both ends of handpiece.

Bag and Cycle in Autoclave: Place handpiece into autoclave bag or pouch. Cycle as per autoclave/chemiclave manufacturer's instructions. DO NOT EXCEED 275° F (135° C).

Cool Down and Lubricate: Allow handpiece to return to room temperature. Lubricate handpiece as per instructions listed above. Expel excess lubricant as per previous instructions.

DO

- ▲ Use warm tap water to scrub the exterior of handpiece.
- ▲ Expel excess lubricant from handpiece by running it for 5 seconds after cleaning and lubricating.
- ▲ Use separate cans of lubricant before and after sterilization to prevent contamination.
- ▲ Clean both ends of fiberoptic bundle with a cotton swab dipped in isopropyl alcohol.
- ▲ Use autoclave bags and pouches with indicators to protect handpiece.

DON'T

- ▼ DON'T immerse handpiece in water or chemical disinfectants/sterilants.
- ▼ DON'T use any type of disinfectant on handpiece.
- ▼ DON'T sterilize handpiece with bur inserted.
- ▼ DON'T exceed 275° F (135° C) in autoclave or chemiclave.
- ▼ DON'T dry heat or heat transfer sterilize.
- ▼ DON'T operate handpiece without bur inserted in chuck.

Do-It-Yourself Handpiece Repair (Simple Stuff)

- A. Handpiece has low torque or power (could be lack of lubrication or too much debris)
 1. Try heavily spraying "correct" drive air tube with a combination cleaner/lubricant like DCL-90 and run handpiece for a minute.
 2. Remove turbine and clean out head, lubricate turbine directly, and spin bearings with fingers. Blow compressed air in head of handpiece to clear air tube. Return turbine to handpiece and run.
 3. Check air pressure on dental unit.
- B. Burs are sticking inside of turbine or falling out
 1. Flush the spindle with a handpiece cleaner where the bur would normally be inserted.
 2. Ensure that burs are not less than .0625" or greater than .0630" in diameter or are worn, which can damage spindle.
- C. Water spray is weak or completely stopped
 1. Insert small wire into water tube from head of handpiece to remove debris.
 2. Use our Smart Cleaner to clear clogged tube.

If these simple solutions fail, more serious problems are likely affecting the handpiece which should be sent to a reputable repair service provider.



High Speed Handpieces

Johnson-Promident offers 3 complete handpiece families providing optimal solutions for every practice.



Challenger – Truly Unbeatable Value

- Efficient design provides solid performance
- Durable components designed for long lasting performance with repeated sterilization
- Standard or push button on fixed back or swivel connection
- *Absolutely the lowest cost of ownership*



Classic – Reliable Powerful Workhorse

- Reputation for durability with over 20 years and 200,000 units in service
- Functional design provides smooth & consistent operation
- Chairside replaceable canister-style turbines
- *Less expensive to buy & less expensive to operate*



Gemini – Replacement handpieces for Midwest®, Kavo, and NSK.

- Offers comparable design, feel, and performance as the originals for half the price
- State-of-the-Art glass fiber optics
- Smooth push button chuck
- 3 port water spray
- *Complete interchangeability with original handpieces, turbines, and components*



Choosing a High Speed Handpiece

To help narrow down your selection, first answer the following 3 questions.

Do you want a handpiece that:

1. Is Fixed Back or Quick Disconnect?

- If Quick Disconnect, does it need to connect with another manufacturer's coupler?
- If so, whose?



2. Has a Standard Chuck or a Push Button Chuck?



3. Is Fiber Optic or Non-Fiber Optic?



Then use the chart on the following page to find a handpiece that has those features, as well as any additional features you want.

High Speed Handpieces

Fixed Back Handpieces

| Description | J-P Part # | Other Features | Replaces |
|--|------------------------|---|--|
| Standard Head | Non-Fiber Optic | | |
| Challenger Standard (2 or 4 hole) | CH-SHS2 or 4 | Chairside Replacement Turbine | Schein C-type #112-4122, Schein Master #100-2231 |
| Challenger Miniature Standard (4 hole) | CH-MHS | Chairside Replacement Turbine, Mini Head | Schein C-type #112-5578, Schein Master #100-7111 |
| Classic Standard (2, 3, or 4 hole) | CL-SHS 2,3, or 4 | Chairside Replacement Turbine | Schein C-Type #112-4122 Schein Master #100-2231 Schein Master II #900-4608 |
| Gemini Replacement for Midwest Tradition Standard Handpiece | G-MWT | 3 Port Water Spray, Interchangeable with Midwest Tradition | Dentsply #750044 |
| Standard Head | Fiber Optic | | |
| Challenger Fiber Optic Standard | CH-FOHS | Chairside Replacement Turbine, Bright Optics | Schein Masterlight #900-4610 Schein Masterlight #100-9970 |
| Gemini Replacement for Midwest Fiber Optic Standard Handpiece | G-MWTFO | 3 Port Water Spray, Bright Optics, Interchangeable with Midwest Tradition | Dentsply #750045 |
| Push Button Head | Non-Fiber Optic | | |
| Challenger Push Button (2 or 4 hole) | CH-PBHS2 or 4 | Chairside Replacement Turbine | Schein C-type #112-6287, Schein Master PB #100-8267 |
| Challenger Miniature Push Button (4 hole) | CH-MPBHS | Chairside Replacement Turbine, Mini Head | Schein C-type #112-5579 |
| Classic Push Button (2,3, or 4 hole) | CL-PBHS2,3 or 4 | Chairside Replacement Turbine | Schein C-type #112-6287, Schein Master PB #100-8367 Schein Master II #900-4609 |
| Gemini Replacement for Midwest Tradition Push Button Handpiece | G-MWTPB | 3 Port Water Spray, Interchangeable with Midwest Tradition | Dentsply#780044, #790044 |
| Push Button Head | Fiber Optic | | |
| Challenger Fiber Optic Push Button | CH-PBFOHS | Chairside Replacement Turbine, Bright Optics | Schein Masterlight II #900-4611, Schein Masterlight PB #101-0223 |
| Gemini Replacement for Midwest Tradition Fiber Optic Push Button Handpiece | G-MWTFOPB | 3 Port Water Spray, Bright Optics, Interchangeable with Midwest Tradition | Dentsply #780045, #790045 |

Quick Disconnect Handpieces

| | | | |
|---|------------------------|---|--|
| Standard Head | Non-Fiber Optic | | |
| Challenger Quick Disconnect Standard Handpiece | CH-SQDHP | Chairside Replacement Turbine Fits Schein and Benco Push & Swivel Couplers | |
| Push Button Head | Non-Fiber Optic | | |
| Challenger Quick Disconnect | CH-PBQDHP | Chairside Replacement Turbine Fits Schein and Benco Push & Swivel Couplers | |
| Gemini Replacement for Kavo Super Torque 625/630/640 (large head) Handpiece | G-KSTPB | 3 Port Water Spray, Torque Head, Interchangeable with Kavo | Kavo 625CD/646/S609C |
| Gemini Replacement for Kavo Bella Torque 632/642/643 (small head) Handpiece | G-KBTPB | 3 Port Water Spray, Mini Head, Interchangeable with Kavo | Kavo 632/636.692/643CP/S605C |
| Gemini Replacement for NSK/Kinetic Viper Standard Handpiece | G-VSPB | 3 Port Water Spray, Interchangeable with NSK/Kinetic | NSK, N75 |
| Push Button Head | Fiber Optic | | |
| Gemini Replacement for Kavo Super Torque 625/630/640 (large head) Fiber Optic Handpiece | G-KSTFOPB | 3 Port Water Spray, Bright Optics, Interchangeable with Kavo | Kavo 625/630/640/647/659 6000/6500/M8900L/E679L/S619L |
| Gemini Replacement for Kavo Bella Torque (Small Head) Fiber Optic Handpiece | G-KBTFOPB | 3 Port Water Spray, Mini Head, Bright Optics, Interchangeable with Kavo | Kavo 632/642/4500 E675L/S615L |
| Gemini Replacement for NSK/Kinetic Viper Standard Fiber Optic Handpiece | G-VSFOPB | 3 Port Water Spray, Bright Optics, Interchangeable with NSK/Kinetic | NSK/NL85/Viper 360 |

PROMETHEUS™ Coupler

The Greatest Advancement
in Handpiece Technology in 40 Years



For Kavo
#PRO-KLEDQDS



For Star®
PRO-SLEDQDS



For NSK
#PRO-NLEDQDS



Adapt 4 to 5 Hole, Adapt 2 to 5 Hole
#PRO-4HLEDQDS/#PRO-2HLEDQDS

- 1** Choose your favorite Kavo, Star®, NSK, or Midwest® fiber optic handpiece
- 2** Connect the corresponding PROMETHEUS™ Coupler
- 3** Eliminate fiber optic system and installation

***Self-contained LED Couplers to upgrade to fiber optics or
expand/fix/replace existing fiber optic systems***

The Prometheus™ Coupler provides bright LED light without the need or cost of traditional fiber optic systems. Simply connect the corresponding Prometheus™ Coupler to your favorite fiber optic handpiece (Star®, Kavo, NSK, Midwest® or fixed back) and eliminate the power supply, fiber optic hoses and installation. Enjoy bright LED light instantly for about the same price as a standard quick disconnect coupler.

*No implication is made that any of these products are original factory products or that any of the companies endorse our products.
Midwest® is a registered trademark of Dentsply International. Star® is a registered trademark of DentalEZ.

High Speed Handpieces

CHALLENGER SERIES



Now you don't have to choose between quality and price.

CHALLENGER SERIES Choices

In office replacement cartridge

- Reduces repair cost and downtime
- Factory balanced turbine for excellent concentricity



Standard Head (*bur tool type*)



CH-SHS4

CH-SHS2

Quick bur changes

- Convenient push button chuck
- Improved chuck locking system for long lasting retention



Push Button Head



CH-PBHS4

CH-PBHS2

Small profile

- Provides great access
- Better visibility



Miniature Standard Head (*bur tool type*)



CH-MHS

Miniature Push Button Head



CH-MPBHS

Bright optics

- Dual fiber optics shine light directly on preparation
- Reduces operator stress and fatigue



Fiber Optic Standard Head



CH-FOHS

Fiber Optic Push Button Head



CH-PBFOHS

Prometheus Coupler with self-contained fiber optics



PRO-4HLEDQDS

Quick Disconnect Coupling

- Smooth swiveling to reduce fatigue
- Quick click for easy use and cleaning
- Compatible with Push & Swivel, Shein Master Swivel and NSK QD-J style handpieces



Quick Disconnect Standard Handpiece Only

CH-SQDHP

Quick Disconnect Push Button Handpiece Only

CH-PBQDHP

Quick Disconnect Swivel 4 or 2

CH-QDSW4or2

Quality at an amazing price

High Speed Handpieces

CLASSIC SERIES



*Reliability and value
make the Classic the
industry standard.*

*Over 200,000
units in service*

In office replacement cartridge

- Reduces repair cost and downtime
- Factory balanced turbine for excellent concentricity



Quick bur changes

- Convenient push button chuck
- Improved chuck locking system for long lasting retention



Ergonomic design and surface

- Enhanced grip for better control



Industry leading bearings

- Leading ceramic ABEC7 bearings with unique cage and lubricant materials provide long-lasting consistent performance with repeated sterilization



Super strong push button chuck system

- Enhanced bur retention and long-lasting reliability



CLASSIC SERIES

Choices

Standard Head (*bur tool type*)



CL-SHS4

4 Hole



CL-SHS2

2 Hole

Push Button Head



CL-PBHS4

4 Hole



CL-PBHS2

2 Hole

Reliable and practical

High Speed Handpieces

GEMINI SERIES

Replacement handpieces for Midwest[®], Kavo, and NSK

- Comparable design and performance as the originals for a fraction of the price!
- Fit coupling systems of the originals and offer complete interchangeability with the original handpieces, turbines, and component parts.

REPLACEMENT FOR MIDWEST[®] TRADITION[®]



- Provides smooth and controlled cutting with high torque
- Durable, even after repeated sterilization
- Mid-sized head for superior access with high torque
- Bright twin beam fiber optics eliminates shadows
- Fine mist water spray
- Lightweight

GEMINI SERIES Choices

PROMETHEUS™
*self-contained LED couplers
 to upgrade to fiber optics or
 expand/fix/replace existing
 fiber optic systems*

PROMETHEUS



| | PART # | CROSS REFERENCE # |
|--|--------------|---|
| Handpieces Non-Fiber Optic Standard Tool Type | G-MWT | sc#7720733, 7721898 mw#750044 |
| Push Button | G-MWTPB | sc#7726063, 7724247 mw#780044, 790044 |
| Fiber Optic Standard Tool Type | G-MWTFO | sc#7729466, mw#750045 |
| Push Button | G-MWTFOPB | sc#7720887, 7727345, mw#780045, 790045 |
| Couplers Prometheus with self-contained LED fiber optics | PRO-4HLEDQDS | |

*No implication is made that any of these products are original factory products or that the companies endorse our products. Midwest and Tradition are registered trademarks of Dentsply International.

High Speed Handpieces

GEMINI SERIES

Replacement handpieces for Midwest[®], Kavo, and NSK

- Comparable design and performance as the originals for a fraction of the price!
- Fit coupling systems of the originals and offer complete interchangeability with the original handpieces, turbines, and component parts.



REPLACEMENT FOR KAVO

- Ceramic bearings for smooth, quiet operation
- Durable glass cellular optics providing excellent brightness
- Multiflex LUX connection
- Push button auto chuck
- 3 port water spray for excellent bur cooling and more efficient cutting
- Super torque provides industry-leading torque for fast, efficient preparations
- Bella Torque's smaller head provides easier access and quiet operation



PROMETHEUS™
*self-contained LED couplers
 to upgrade to fiber optics or
 expand/fix/replace existing
 fiber optic systems*

4 HOLE



5 HOLE



6 PIN



6 PIN LED



PROMETHEUS



GEMINI

SERIES

Choices

| | PART # | CROSS REFERENCE # |
|---|--------------|--|
| Handpieces | | |
| Push Button Only | | |
| Bella-Torque Style <i>(smaller head, easier access)</i> Non-Fiber Optic | G-KBTPB | Kavo 632/636, 642, 643CP, S605C sc#6284588 |
| Fiber Optic | G-KBTFOPB | Kavo 632/642, 4500, E675L, S615L sc#6282596, br#5012737u0 |
| Super Torque Style <i>(largest head, strongest torque)</i> Non-Fiber Optic | G-KSTPB | Kavo 625CD, 646, S609C sc#6284885 |
| Fiber Optic | G-KSTFOPB | Kavo 625/640/647/659/6000/6500 M8900L/E679L/S619L sc#6280504, br#5012738u0 |
| Multiflex-type Couplers | | |
| Non-Optic 4 Hole | W-KQDS | 457 sc#6287944 |
| Fiber Optic 5 Hole | W-KFOQDS | 1390 sc#6289674, br#501422600 |
| Fiber Optic 6 Pin | W-K6PQDS | 465LRN, 460LE sc#6287519, 6282022 |
| Fiber Optic 6 Pin LED | W-K6PQDS-LED | 460LED 465LED sc#6280337, 6280339 |
| Prometheus with Self-Contained LED Fiber Optics | PRO-KLEDQDS | |

*No implication is made that any of these products are original factory products or that the companies endorse our products. Midwest and Tradition are registered trademarks of Dentsply International.

High Speed Handpieces

GEMINI SERIES

Replacement handpieces for Midwest[®], Kavo, and NSK

- Comparable design and performance as the originals for a fraction of the price!
- Fit coupling systems of the originals and offer complete interchangeability with the original handpieces, turbines, and component parts.

REPLACEMENT FOR NSK



- Ceramic bearings for smooth, quiet operation
- Bright dual beam fiber optics eliminate shadows
- Push button auto chuck with enhanced bur retention system
- 360° swivel to reduce fatigue and for convenient quick-click connections
- Mid-size head provides excellent balance for high torque and good intra-oral access

PROMETHEUS™
*self-contained LED couplers
 to upgrade to fiber optics or
 expand/fix/replace existing
 fiber optic systems*



GEMINI SERIES Choices

| | PART # | CROSS REFERENCE # |
|---|-------------|---|
| Handpieces | | |
| Push Button Only | | |
| Non-Fiber Optic | G-VSPB | N75 br#500980100 |
| Fiber Optic | G-VSFOPB | Viper 360.NL85 br#5009781u0.5012734u0. 5012733u0 |
| Couplers | | |
| Non-Optic 4 Hole | W-NQDS | NL11 br50098200.5009809u0 |
| Fiber Optic 5 Hole | W-NFOQDS | N10 br#5009875u0.50099802u0 |
| Fiber Optic 6 Pin | W-N6PQDS | NL10 br#5009820u0.5009820u0 |
| Prometheus with self-contained LED fiber optics | PRO-NLEDQDS | |

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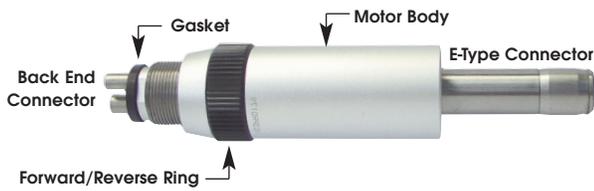
Johnson-Promident University Low Speed Handpieces 101 Overview

What is a Low (Slow) Speed Handpiece?

- A hand held motor, usually air-driven (can also be electric), that spins a cutting bur or prophy cup at 50,000 RPM or less.
- Used for removal of caries, refining a cavity preparation, performing prophylaxis, and other endodontic and implant procedures.
- Straight attachments that use handpiece burs are generally used for trimming prosthetics.

How Does a Low Speed Handpiece Work?

- An airline is attached to the back end of the handpiece, similar to a high speed handpiece.
- When air is introduced into the handpiece (via the chair unit foot pedal), air is forced over the vanes of the rotor (consisting of vanes or blades), which causes it to spin.
- After the air moves around the rotor, it is forced out through the handpiece's back end exhaust port.



Features and Functions

How Fast Does a Low Speed Handpiece Run?

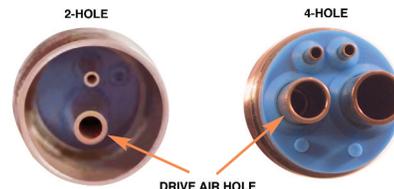
- The speed depends upon the pressure (PSI) of the air supply, the configuration of the rotor components, and the gears inside the motor.
- Low speed handpieces are designed to handle much more air pressure than high speed handpieces.
- Typical low speed motors, without gear reductions, running at 40 PSI should spin at approximately 20,000 rpm.
- Speed reducing gears allow the handpiece to generate significantly more torque.
- Hygienist handpieces and low speeds used for prophylaxis generally operate at 5,000 RPM.
- Endodontic and implant procedures use attachments to reduce the speed to 1,500 rpm or less and generate very high levels of torque for optimal control.

What Type of Handpiece Connections and Tubing Compatibility Does a Low Speed Handpiece Have?

- Similar to high speed handpieces, low speed handpieces can be either fixed back or quick disconnect style, with 2 different tubing configurations: 2 hole and 4 hole.
- Because low speed handpieces operate at significantly lower speeds than high speed handpieces, there is less need for cooling the tooth with air and water spray.
- Therefore, most low speed motors are configured so that no water is transferred through the water tubes; however, low speed handpieces still maintain the international standard backends that high speed handpieces have, for the sake of compatibility with tubing.

How Long Will a Low Speed Handpiece Last?

- Slow speed handpieces can have long life spans due to the low operating speeds and design differences (compared with high speed handpieces.)
- The handpieces can be repeatedly overhauled but should have professional maintenance conducted every 6-12 months.



Johnson-Promident University

Low Speed Handpieces 101

E-Type and Doriot

E-Type Low Speed Handpieces

- Multi-piece handpieces consisting of a motor and various attachments (the motor cannot be used without an attachment).



- E-Type is an international standard for how attachments are placed on a motor; most E-Type motors and attachments are interchangeable, like KaVo, NSK, W&H, and Bien Air. However, Midwest and Star brands have proprietary designs.

- 2 primary types of attachments:

NOSE CONE/STRAIGHT ATTACHMENT



- Can accept straight handpiece burs, mandrels, prophy angles, and doriot/U-Type contra angles.
- Come either as a 1:1 transmission, which maintains the motor speed, or as a 4:1 gear reduction, primarily used with prophies to reduce the handpiece speed to a rate that reduces the splatter of paste and the potential to burn a patient.

CONTRA ANGLE



- Generally accepts either a bur or a prophy cup.
- Has 2 components: a sheath and a head.
 - Sheath attaches to the E-Motor and can have gear reduction characteristics.
 - Head comes in a wide range of options and has the mechanism to hold a bur or prophy cup.
 - Head screws onto the sheath and can easily be exchanged for other options.

Doriot Low Speed Handpieces



- One-piece slow speed handpieces consisting of a motor combined with a nose cone-type front end.
- Does not require an additional attachment to perform certain procedures since it can generally accept a straight handpiece bur, mandrel, prophy angle, and doriot/U-type contra angles.

Hygienist Handpieces



- A special kind of doriot handpiece, designed just for prophylaxis with a compact, light design and a swivel nose.
- Has an internal gear reduction and operates at 5,000 RPM.
- Many hygiene handpieces have special friction grip-type chucking mechanisms that will only accept disposable prophy angles.

Advantages of Doriot-type Handpieces

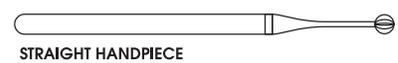
- Shorter than E-Type motor/nose cone combinations.
- Can duplicate any E-Type/attachment combination without additional attachments required.

Disadvantages of Doriot-type Handpieces



- When used with doriot/U-Type contra angles, the handpiece can get very long, making it awkward for the dentist.

Matching Bur Types with Handpieces



STRAIGHT HANDPIECE

- For use in straight attachments/nose cones and Doriot-type low speed handpieces.



LATCH CONTRA-ANGLE

- For use in latch-type contra angle heads in low speed handpieces.



FRICION GRIP (STANDARD LENGTH)



FRICION GRIP SHORT SHANK

- For use in high speed handpieces and friction grip low speed contra angle heads.



Johnson-Promident University

Low Speed Handpieces 101

Attachments and Angles

Contra Angle Heads

- Designed for two primary uses:
 - 1) To accept burs to remove caries and for cavity preparation.
 - 2) To take prophy cups for prophylaxis.

1) FOR BURS

- Designed to take Latch Type (RA) burs (most common for low speed handpieces) or Friction Grip (FG) burs (similar to high speed handpieces).

Latch type heads have three different mechanisms for holding the bur:

- 

Swing Latch

 - No technical advantage of one over another.
- 

Spring Latch

 - Push button heads are considered more convenient for bur changes, but they are generally much more expensive and have more mechanical parts that can fail.
- 

Push Button Latch

 - We believe that spring latch heads provide the ease of push button but the reliability of swing latch.

Friction Grip Type Heads have two mechanisms for holding the bur (similar to high speeds):

- 

Bur Tool Type

 - Push button heads provide the convenience of quick and easy bur changes but cost significantly more and fail more quickly than bur tool types.
- 

Push Button Type

2) FOR PROPHY HEADS

- There are two primary designs for attaching the prophy cup to the head: snap-on and screw-type.



Quality Ratings of Contra Angle Heads

- Heads are rated on capability: 20K, 30K, 40K.
- 20K, 30K, 40K heads all perform the same function; the primary difference between heads of different ratings is the longevity of the head.
- **40K RPM** (highest rating): internal components include a ball bearing cartridge which extends the life of the head under normal operating conditions.
 - 40K RPM rating means that the head can handle the stresses of this speed (although most slow speed motors do not exceed 20,000 RPM).*
- **30K RPM** (middle range rating): has an oil-impregnated brass bushing to reduce friction and improve longevity.
- **20K RPM** (lowest range rating): does not contain any special friction-reducing components and therefore has the shortest operating life.
 - However, a 20K RPM head is still adequate for all low speed motor applications, and with proper maintenance should provide a dentist with a useful life and great value.*
- Choices should be made based upon frequency and type of use.

Other/Specialty Types of Contra Angle Heads

- 10:1 Gear Reduction (very slow and high-torque).
- Endodontic ¼ Turn (the bur does not spin but rotates back and forth).
- Mini (small head for better access).

Doriot/U-Type Contra Angles

All the same configurations, rating, and options available for heads are also available in U-Type contra angles, either for a doriot-type handpiece or a nose cone/straight attachment.



Low Speed Handpieces

E-Type Motor Combinations

| | | E-Type Heads for NSK | For Star Titan | For Midwest Shorty/ Rhino | | |
|---|---|---|--|---|--|--|
|  <p>Classic E-Motor 20,000 RPM durable, efficient operation</p> |  <p>1:1 Sheath</p> |  <p>Latch Type 20K, 30K, 40K</p> | ★ | MW | | |
| | | |  <p>4:1 Sheath</p> |  <p>Spring Type 30K, 40K</p> | ★ | MW |
| | | | | |  <p>16:1 Sheath</p> |  <p>Push Button Type 30K, 40K</p> |
| | | |  <p>64:1 Sheath</p> |  <p>Mini Latch Type 30K</p> | | |
|  <p>KT Deluxe 1:1 Nose</p> |  <p>Friction Grip (Tool Type) 30K</p> | ★ | | | MW | |
| | |  <p>1:1 Nose</p> | | |  <p>Snap-On Prophy "Sealed"</p> | ★ |
|  <p>4:1 Nose</p> |  <p>Screw-Type Prophy "Sealed"</p> | | ★ | MW | | |
| | |  <p>10:1 Gear Reduction</p> |  <p>Endodontic 1/4 Turn Latch Files</p> | ★ | | |
|  <p>Endodontic Push Button 1/4 Turn Hand Files</p> | ★ | | | | | |
| |  <p>All Doriot-Type Contra and Prophy angles</p> | | | ★ | MW | |

Low Speed Handpieces

E-Type Motors

Classic E-Type Air Motor (20,000 RPM) or (5,000 RPM)



- Designed for durable and reliable performance
- Excellent combination of price and performance
- Perfectly balanced lightweight design
- Compatible with all standard "E" type attachments
- Smooth and quiet operation
- Equal Speeds forward and reverse
- Air Motor with internal air and water (20,000 RPM)

- Classic E-Motor 20K  ECL-4
4 Hole
- Classic E-Motor 20K  ECL-2
2 Hole
- Classic E-Motor 5K  ECL5K-4
4 Hole
- Classic E-Motor 5K  ECL5K-2
2 Hole

Classic E-Type Slow Speed Set



- Includes 20,000 RPM E-Type motor, nose cone, and 30K Contra Angle

- Classic E-Motor 20K Slow Speed Set  ECL3SET
4 Hole

Classic E-Motor 20K with External Water



- Classic E-Motor 20K with external water  WECL-4
4H
- Classic E-Motor 20K with external water  WECL-2
2H

KT181 Deluxe E-Type Motor (20,000 RPM)

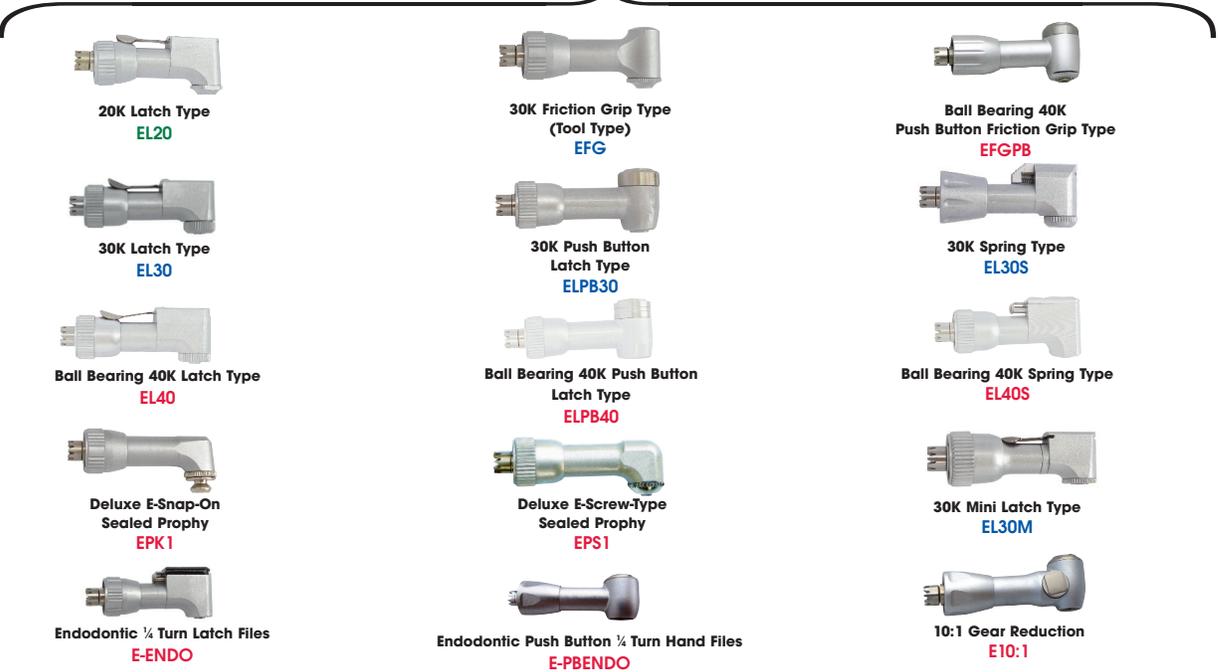


- KT181 E-Motor 20K  KT181
4 Hole

- Internal water coolant
- Premium motor comparable to Kavo 181H
- Smooth vibration-free operation
- Forward/Reverse speed adjustment
- Universal E-type connection
- 1 year warranty

E-Type Sheaths and Heads

Fit any "E-type" or NSK coupling attachment



E-Type Contra Angles

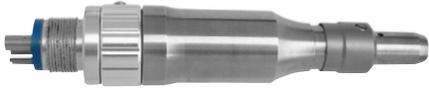
Fit any "E-type" or NSK coupling attachment



Low Speed Handpieces

Hygienist & Doriot Handpiece Combinations

Hygienist Handpieces



Short Gripper II (5K)

- 5,000 RPM compact, well-balanced and lightweight
- Accepts standard contra angles and disposable prophylaxis angles



Hygienist Plus

- 5,000 RPM ergonomically designed for effortless operation
- Specifically designed for disposable prophylaxis



Clear Advantage

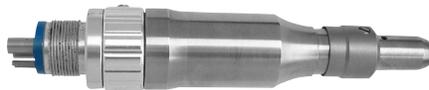
- 5,000 RPM replacement for Midwest® RDH® hygiene handpiece
- Specifically designed for disposable prophylaxis angles
- Lightweight ergonomic design



Micromite "Hawk"

- 5,500 RPM ultra high torque at low speeds
- Accepts standard straight handpiece burs, contra angles, and disposable prophylaxis angles

"Doriot" Handpieces



Short Gripper II (20K)

- 20,000 RPM ultra high torque at low speeds
- Accepts standard straight handpiece burs and contra angles



Micromite "Black Demon"

- 25,000 RPM ultra high torque durable workhorse
- Dual capability: low speed contra angle and lab applications
- Accepts standard straight handpiece burs and contra angles

Doriot/ U-Type
Contra Angles



Snap-On Prophy Standard



Snap-On Prophy "Sealed"



Screw-Type Prophy Standard



Screw-Type Prophy "Sealed"



Standard Latch Type 20k, 30k



Sectional Latch Type 30k, 40k



Spring Type 30k, 40k



Push Button Type 30k, 40k



Mini Latch Type 30k



Push Button Friction Grip Type 40k



Friction Grip Type 30k
(Tool Type)



10:1 Gear Reduction



Endodontic 1/4 Turn

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Low Speed Handpieces

Doriot/Hygienist Handpieces

Doriot Handpieces

Short Gripper II (20,000 RPM)



- Compact, well balanced and light weight, providing precise control
- No separate attachments needed – one piece assembly
- Chuck accepts all standard contra angles and handpiece burs
- Quick chuck release – 1/4 turn “open-close”
- Low noise and low air consumption
- Variable speed up to 20,000 RPM with equal speeds forward and reverse

Micromite “Black Demon” (25,000 RPM)



- Ultra high torque durable workhorse designed with dual capability
 - Low speed contra angle applications
 - Laboratory straight handpiece
- Smooth and quiet operation
- Accepts all standard contra angles
- Accepts standard straight handpiece burs and mandrels
- Quick release chuck – 1/4 turn “open-close”
- Forward and reverse rotational control
- 360° swivel feature prevents tube twisting and back end drag

Ecotex Disposable Proply Angles

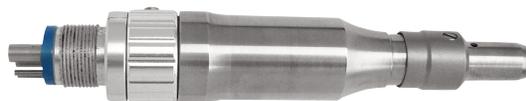
- Ultra strong construction to reduce vibrations
- Webbed cups to prevent splattering
- Bevel gear design for smooth, quiet performance
- Economical, individually wrapped angle
- Designed to fit all low speed, doriot (straight nose cone) style handpieces
- Latex- and odor-free



SOFT BOX OF 100 #23101
FIRM BOX OF 100 #23103
 Sold in cases of 6 boxes of 100

No implication is made that any of our replacement products are original factory products or that any the companies endorse our products. Midwest and RDH are registered trademarks of Dentsply International.

Hygienist Handpieces



Short Gripper II (5,000 RPM)



- Compact, well balanced, light weight and fully autoclavable
- Low noise and low air consumption
- Quick chuck release – 1/4 turn “open-close”
- No separate attachments needed – one piece assembly
- Equal speeds forward and reverse
- Chuck accepts all standard contra angles and disposable prophyl angles

Hygienist Plus (5,500 RPM)



- Specially designed for prophies, accepts disposable prophyl angles ONLY
- Ergonomically designed for effortless operation
- Lightweight and with a 360° swivel nose
- Simple push/pull friction grip chuck system, fully autoclavable
- Quiet sleek design

Clear Advantage (5,000 RPM)



- Compare design, performance, and warranty to the Midwest® RDH®
- Lightweight, ergonomic design for better positioning and reduced fatigue
- Smooth 360° swivel for better comfort and access
- Removable autoclavable color bands for handpiece identification

Micromite “Hawk” (5,500 RPM)



- With over 25 years of service, it sets the industry standard for reliability
- Designed to provide ultra high torque at slow speed
- No separate attachments needed – one piece assembly
- Ideal for prophyl applications
- Forward and reverse rotational control
- Quick release chuck – 1/4 turn “open-close”
- Accepts all standard prophyl angles and disposable prophies, contra angles, and straight handpiece burs
- 360° swivel feature prevents tube twisting and back end drag

Low Speed Handpieces

Doriot/U-Type Contra Angles & Nose Cones

Nose Cones fit any "E-type" or NSK coupling

Use with U-type contra angles or straight handpiece burs



1:1 Nose Cone
ESGN1:1



KT Deluxe 1:1 Nose Cone
ENC



4:1 Nose Cone
ESGN4:1



20K Standard Latch Angle
R20U



30K Friction Grip Angle (tool type)
FG30U



Standard Snap-On Prophy
PK-2



30K Standard Latch Angle
R30U



Ball Bearing 40K
Push Button Friction Grip Angle
FGPB40U



Deluxe Sealed Snap-On
Prophy Angle
SPK-2



30K Deluxe Sectional
Latch Angle
S30U



Ball Bearing 40K Deluxe Sectional
Latch Angle
BB40U



Standard
Screw-Type Prophy
PS-1



30K Spring Latch Angle
S30US



Ball Bearing
40K Spring Latch Angle
BB40US



Deluxe Sealed Screw-Type
Prophy Angle
SPS-1



30K Push Button Latch Angle
S30UPB



Ball Bearing 40K
Push Button Latch Angle
BB40UPB



30K Mini Latch Angle
M30U



10:1 Gear Reduction Angle
S10:1



Endodontic 1/4 Turn Angle
S-ENDO

Low Speed Handpieces Attachments & Heads for **Midwest®** Systems



Contra Angle Sheath
for **Midwest®**
MWSH
DENTSPLY #710074



Straight Nose Cone
for **Midwest®**
MWNC
Accepts all Doriot/U-Type Contra Angles
(see page 22)
DENTSPLY #720005



20K Latch Type
MW1A



Deluxe Sealed
Screw-Type Proply
MW2
DENTSPLY #720446



Deluxe Sealed
Snap-On Proply
MW3



30K Latch Type
MW1



30K Push Button Latch Type
MWPB30
DENTSPLY #720485



30K Spring Type
MW1S



Ball Bearing
40K Latch Type
MW4



Ball Bearing
40K Push Button Latch Type
MWPB40
DENTSPLY #720485



Ball Bearing
40K Spring Type
MW4S



Contra Angle for Trutorq
MWTT1
DENTSPLY #710071



30K Friction Grip Type
(Tool Type)
MWFG



Friction Grip Push Button
MWFGPB
DENTSPLY #720475

E-Dapter for MIDWEST®

Transform a Shorty®/Rhino® into a Universal E-motor.

- Share attachments between different brands of handpieces within an office, easing product transitions.
- Use more common, broader ranging and less expensive E-Type attachments.



Midwest® E-Dapter
E-DAPTM

No implication is made that any of these products are original factory products or that any of the companies endorse our products. Midwest, Shorty, and Rhino are registered trademarks of Dentsply International.

Low Speed Handpieces

Motor & Attachments for **Star® Titan®** Systems

Replacement Motors for Star® Titan® Fixed Back and Quick Disconnect



- 5,000 and 20,000 RPM low speed motors
- Fully interchangeable and compatible with Star® Titan® low speed systems
- Johnson-Promident now offers the complete line of replacements for Star® Titan® low speed products...for a fraction of the price
- Same warranty protection as Star®

20K Fixed Back Motor



TCL-4

Star #
262262,
263941

20K Fixed Back Motor



TCL-2

5K Fixed Back Motor



TCL5K-4

Star #
262261,
263940

5K Fixed Back Motor



TCL5K-2

20K Quick Disconnect Motor



STIT3

Star #
262262/263941

5K Quick Disconnect Motor



STIT3-5K

Star #
262261/263940

Slow Speed Quick Disconnect Swivel



W-SSSQDS

Star #
260144



Motor to Angle Adapter
TITMA
Star #264073, #263943



Straight Nose Cone
TITNC

Star #257506, #263942
Accepts all Doriot/U-Type Contra Angles
(see page 22)



20K Latch Angle
TIT1



30K Latch Angle
TIT4



Ball Bearing
40K Latch Angle
TIT5

Star #262738 Star #259005
Star #263948 Star #263947



Deluxe Sealed
Screw-Type Propphy
TIT2
Star #263240, #263946



Endodontic 1/4 Turn Angle
TIT-ENDO
Star #262571



30K Push Button Latch Angle
TITPB30



Ball Bearing
40K Push Button Latch Angle
TITPB40
Star #262737 Star #261335
Star #263950 Star #263949



Deluxe Sealed
Snap-On Propphy
TIT3
Star #263240, #263946



40K RPM Push Button Friction
Grip Type
TITFGPB
Star #262739 Star #264149
Star #263954 Star #263953



30K Mini Latch Angle
TIT4M



30K Spring Latch Angle
TIT4S



Ball Bearing
40K Spring Latch Angle
TIT5S



10:1 Gear Reduction Angle
TIT-10:1
Star #258985, #263951



30K Friction Grip Angle
(Tool Type)
TITEFG
Star #263952 Star #258965
Star #263955 Star #262740

E-Dapter for Star®

Transform a Star® Titan® into a Universal E-Motor.

- Share attachments between different brands of handpieces within an office, easing product transitions.
- Use more common, broader ranging and less expensive E-Type attachments.



Star E-Dapter E-DAPT-S



"Just One Click"

No implication is made that any of these products are original factory products or that any of the companies endorse our products. Star and Titan are registered trademarks of DentalEZ.

Low Speed Handpieces

Attachment & Heads for **KaVo Systems**

ATTACHMENTS

1:1 Ball Bearing Contra Angle *Replacement for Kavo 20CH*

- Internal air and water
- Connects to all Kavo Intralux heads
- Speed range up to 40,000 RPM

KSH20



1:1 Fiber Optic Ball Bearing Push Button Contra Angle *Replacement for Kavo 20L, 20LN, 20LH, 20LP*

- Internal air and water
- Connects to all Kavo Intralux heads
- Speed range up to 40,000 RPM
- Bright cellular optics

KFOSH20



1:1 Ball Bearing Straight Nosecone *Replacement for Kavo 10CH, 10K, E10C*

- Internal air and water
- 1 port spray
- Speed range up to 40,000 RPM

KE10



HEADS

Ball Bearing 1:1 Push Button Latch Head *Replacement for Kavo L68B, 68LH*

- Speed range up to 40,000 RPM
- Push button chuck for latch burs

KL68



Ball Bearing 2:1 Push Button Latch Head *Replacement for Kavo 67LH, L67*

- Speed reduction 2:1
- Push button chuck for latch burs

KL67



1:1 Friction Grip Latch Head *Replacement for Kavo 80LD, L80*

- Speed range up to 40,000 RPM
- Push button chuck for friction grip burs

KL80



LOW SPEED MOTOR

20K Air Motor with Internal Air and Water *Replacement for Kavo 181H*

- Internal water coolant
- Forward/Reverse speed adjustment
- Smooth, vibration-free operation
- Universal E-Type connection
- 1 year warranty

KT181



Laboratory Handpieces and Dowel Pins

Low Speed Handpieces

Kool-Torque (55,000 RPM)



- KT-GL Kool Torque w/Foot Control
- KT Kool Torque Handpiece Only
- FC-S Foot Control w/Tubing
- FC-SET Foot Control Set w/Regulator and Air Gauge
- REG Air Regulator
- GAG Air Gauge
- QD-LAB Quick Disconnect Fittings for Lab Tubing

- Versatile heavy duty air driven handpiece operates at variable speeds with foot control from low speed to 55,000 RPM at 60 psi.
- Heavy Duty vane air motor is renowned for its exceptional durability.
- Ultra torque generating 1/4 horsepower at pressures above 40 psi.
- Unique motor stays cool even at speeds of 55,000 RPM with muffled air exhaust.
- Vibration free due to special 3-jawed lathe collet chuck and two main sealed support bearings resulting in increased comfort and more accurate cutting.
- Quick disconnect feature for convenient portability from station to station.

SuperPower Electric Lab Handpiece



- Durable and reliable 35,000 RPM micromotor
- Hand and foot speed control system
- High power and torque
- Optional on/off or variable speed foot pedals

- ML350 SuperPower Lab Electric Handpiece, Control Box, On/Off Foot Control
- ML350VAR SuperPower Lab Electric Handpiece, Control Box, Variable Foot Control
- ML-FC Electric Lab On/Off Foot Control
- ML-FCVAR Electric Lab Variable Foot Control
- ML35HP SuperPower Lab Handpiece Only

Also see the Micromite Black Demon for Lab Use on Page 21



High Speed Handpieces

Straight Laboratory Handpiece (320,000 RPM)



- HS-SL HS Straight Lab Handpiece
- FC-S Foot Control w/Tubing

- Significant torque (1.5 times the torque of a conventional type).
- Fast efficient cutting at 40-45 psi of air pressure.
- Simple field replaceable canister type turbine.
- Uniquely designed to drastically reduce the noise of exhaust air.
- Push button mounting system for simple and correct bur changes.

Industrial High Speed Handpiece (350,000 RPM)



- HS-IND Industrial Handpiece w/Barb
- HS-IND4 Industrial Handpiece  4 Hole
- HS-IND2 Industrial Handpiece  2 Hole
- FC-S Foot Control w/Tubing

- Uses an industrial grade turbine which loves air - 50 psi for maximum cutting efficiency.
- Designed for rugged use on porcelain and industrial applications.
- Requires no lubrication.
- Industrial turbine fits most high speed canister type handpieces and is easy to change.

Precision Tolerance Dowel Pins

| | | |
|--|-----------|--|
| Standard Brass Dowel Pins #1 (Small), #2 (Medium), #3 (Large) | DP-1C | #1 Dowel Pin 100 pc |
| | DP-1M | #1 Dowel Pin 1000 pc |
| | DP-2C | #2 Dowel Pin 100 pc |
| | DP-2M | #2 Dowel Pin 1000 pc |
| | DP-3C | #3 Dowel Pin 100 pc |
| | DP-3M | #3 Dowel Pin 1000 pc |
| Nickel Plated Dowel Pins #2 | DP-2MP | #2 Dowel Pin Nickel Plated 1000 pc |
| No Knurl Dowel Pins #2 | DP-2NK100 | Dowel Pin No Knurl 100 pc |
| | DP-2NK | Dowel Pin No Knurl 1000 pc |
| Dual/Twin Dowel Pins with Sleeve and Die Guard Pin & Sleeve Dowel (Pindex-Type) | DP-DUAL | Dual/Twin Dowel Pin 1000 pc |
| | DP-SM | Short Pin & Dowel (Pindex-Type) 1000 pc |
| | DP-MM | Medium Pin & Dowel (Pindex-Type) 1000 pc |
| | DP-LM | Long Pin & Dowel (Pindex-Type) 1000 pc |

Scaling & Polishing

Sonic Air Scalers

Deluxe Sonic Air Scaler (Star® Titan® Compatible)



- Effective removal of hard calculus deposits and stains, gently and quietly.
- Connects to existing handpiece tubing and fits with many popular tips; comes with universal tip and wrench.
- Orbital water spray, completely autoclavable.

Flexsonic Swivel Air Scaler



- Compare to Star® Bliss-sonic™
- Super efficient removal of hard calculus and stains
- Ergonomic, comfortable grip
- Quick disconnect swivel (compatible with Star® couplers) for improved comfort and easy removal from tubing

4 Hole Scaler

SCALER

Star# 263401
Star# 263401/264565

Scaler

BLISSW

Star# 264563

Coupler for Star® Scaler

W-SQDS4

Star# 261547



Tips for Star® Scalers



Universal Tip
SS-UNIV
Star# 261668



Perio Tip
SS-PERI
Star# 261669



Sickle Tip
SS-SI
Star# 261667



Tip Wrench
SS-WRCH

Max-Sonics Air Scaler



- Safe, efficient, and gentle air driven scaler.
- Convenient size and low air consumption.
- Connects to existing handpiece tubing, 3 tips included, completely autoclavable.

4 Hole Air Scaler w/3 Tips

SCALER-M4

2 Hole Air Scaler w/3 Tips

SCALER-M2

Compare to Schein Sonic Scaler 900-4012



Universal Tip SSMAX-UNIV



Perio Tip SSMAX-PERI



Sickle Tip SSMAX-SI



Tip Wrench SS-MAXWRCH

Compatible with Schein and Rand sonic scalers

No implication is made that any of our replacement products are original factory products or that any of the companies endorse our products. Star and Titan are registered trademarks of DentalEZ. Bliss-sonic is a trademark of DentalEZ.

Scaling & Polishing

Air Polishers

Better Air Polishing Technology!**The JetPolisher 2000™**

(air polishing system)

and

JetSonic 2000M™

(combination air polishing and scaling system)

feature Deldent's exclusive, patented Homogenous Stream Technology (H.S.T.).

Homogenous Stream Technology (H.S.T.) mixes air, water, and sodium bicarbonate powder together within a single nozzle to produce a homogenous stream, unlike other air polishing systems in which there are separate nozzles for water and powder streams.

Benefits of Homogenous Stream Technology include:

- Virtual elimination of nozzle clogging.
- A more efficient polishing stream, so only 35 psi of air pressure is needed.
- A gentler, softer polishing action because sodium bicarbonate particles begin to soften within the spray head

The JetPolisher 2000 and The JetSonic 2000M's

polishing unit are harmless to titanium implant surfaces and are the

ONLY polishers cleared by the FDA for use around titanium implants.*

JetPolisher 2000™

Advanced compact, non-clogging air polishing system for about half the price of a standard countertop polisher.



- Non-clogging nozzle due to exclusive H.S.T. technology.
- Harmless to titanium implants.
- No installation required, completely portable, and can be moved easily from room to room (measures just 3.5"x3.5"x7.5").
- Connects directly to existing handpiece tubing (30-35 psi) via 2-3 hole or 4 hole connectors (Kavo, W&H, Sirona connectors also available).
- Uses existing dental unit's foot pedal.
- Lightweight and easy on the wrist.
- Fully detachable autoclavable handpiece and water control knob to prevent cross-infection.
- Large, easy-view powder reservoir.
- 2 year warranty.

| | |
|---------|---|
| #519310 | JetPolisher 2000 with 4-Hole Connector |
| #519900 | JetPolisher 2000 with Kavo-Type Connector |
| #519500 | JetPolisher 2000 with Sirona-Type Connector |
| #519600 | JetPolisher 2000 with W&H-Type Connector |
| #509120 | Regular Handpiece |
| #509111 | Booster Handpiece (for heavy stain) |
| #509550 | Spray Head Tubes (bag of 50) |
| #500004 | Jetstream Mint Powder (4 x 9 oz. tubs per carton) |

*FOR CLEANING AROUND IMPLANTS UNDER DENTURES

Scaling & Polishing Scalers

JetSonic 2000M™

Advanced combination scaling and polishing unit with patented H.S.T. air polishing system and advanced scaling design features.



The air polishing portion of the JetSonic 2000M has all the features of the JetPolisher 2000 with the addition of warm water flow. The scaler side of this unique unit also offers advanced magnetorestrictive technology, including:

- Unique sensor technology recognizes and activates the selected handpiece (scaling or polishing).
- Advanced patented digital circuitry automatically tunes any "stack-type" insert, whether 25k or 30k.
- Advanced microchip feedback system maintains optimum scaling power for all settings.
- Power-Surge Mode™ technology increases power by 15-20% with a "double-click" on the foot switch for removal of tenacious deposits. The pre-selected power setting returns automatically when the foot control is released.
- Large, easy-view powder reservoir (no need to stop to add powder).
- Convenient rinse mode available.
- Water heating feature
- 2 year warranty.
- Comes with two scaling inserts, polishing powder, and spray-head tubes to get you started.

| | |
|---------|--|
| #533000 | JetSonic 2000M 115v |
| #509120 | Regular Handpiece |
| #509111 | Booster Handpiece (for heavy stain) |
| #509550 | Spray Head Tubes (bag of 50) |
| #500004 | Jetstream Mint Powder (4 x 9 oz. tubs per carton) |
| #524000 | Stream Selector 2000 |

DelSonic™ 2000

High-Tech Piezo Ultrasonic Scaler



- Sleek, compact, quiet, powerful, and portable.
- Linear tip vibration, for more efficient and more comfortable scaling.
- High frequency 30 kHz design provides greater patient comfort than the competition (less vibration against teeth).
- Cool running, high torque handpiece (minimal tip warmth).
- Fully autoclavable handpiece sleeves, so purchasing additional handpieces is not necessary.
- Range of tips available for all clinical needs.
- Tips are designed to introduce spray even into deep pockets.
- May be used with any independent fluid supply system dispensing purified water or medicaments.
- 2 year warranty (compare with competitive brands' one year warranty on handpiece).

#512200 Delsonic 2000, 115v

Tips for DelSonic 2000

| | | |
|---|---------|---|
|  | #512050 | #1 Universal Piezo tip |
|  | #512052 | #2 Round Straight Piezo tip |
|  | #512058 | #2 Round Right Piezo tip |
|  | #512060 | #2 Round Left Piezo tip |
|  | #512061 | #3 Flat Horizontal Piezo tip |
|  | #512051 | #4 Perio Straight Piezo tip |
| | #512136 | Tip Changing Tool |
| | #512103 | Autoclavable handpiece sleeves (set of 3) |

Advantages of linear tip vibration, compared with elliptical vibration (Cavitron®-Type):

- Smoother root surface
- More efficient tartar removal
- Easier amalgam overhang removal

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JetStream Prophy Powder



- Fresh tasting sodium bicarbonate powder with a hint of mint
- Convenient 2.2 pound boxes with 4 foil safety-sealed, snaplid plastic jars.
- For use in JetPolisher 2000 and JetSonic 2000M and in all standard prophy units.

#500004

Scaling & Polishing

Ultrasonic Inserts

A complete selection of ultrasonic scaling inserts for all stack-type (magnetostrictive) ultrasonic scaler units such as Cavitron® scalers and others.

- Fully autoclavable
- Choice of styles available
- The better choice of inserts at highly competitive prices
- Resin or metal handles
- Available in 25k and 30k series
- 3 month warranty



Longer plates vibrate at 25k frequency
Resin (plastic) handles have water spray that comes from inside the tip



Shorter plates vibrate at 30k frequency
Metal handles have external water spray

| DELDENT | | | | |
|--|--------|---|--------------------------------------|--|
| ITEM DESCRIPTION | ITEM # | BEST FOR | DENTSPLY | HU-FREIDY |
| RESIN-HANDLE INSERTS "DF-SERIES" | | | | |
|  DF #3 Flat 25K | 508600 | <ul style="list-style-type: none"> • Heavy to moderate supragingival deposits • Cement removal | TFI-3 Beavertail/#6121702 | #3 Streamline® Beavertail/#UI325K |
| DF #3 Flat 30K | 508700 | | TFI-3 Beavertail/#6374102 | #3 Streamline® Beavertail/ |
|  DF #10 Universal 25K | 508601 | <ul style="list-style-type: none"> • Heavy to moderate supragingival deposits • Light to moderate subgingival deposits | TFI-10 Straight/#6121708 | Original Prophy Plus/#UI1025K |
| DF #10 Universal 30K | 508701 | | TFI-10 Straight/#6374106 | Original Prophy Plus/#UI1030K |
|  DF #1000 3-Bend 25K | 508607 | <ul style="list-style-type: none"> • Light to moderate supragingival deposits | TFI-1000 (Triple-Bend)/#6122001 | #1000 Streamline® Triple-Bend/#UI100025K |
| DF #1000 3-Bend 30K | 508707 | | TFI-1000 (Triple-Bend)/#6374110 | #1000 Streamline® Triple-Bend/#UI100030K |
| THINLINE SUBGINGIVAL INSERTS (LOW POWER ONLY) | | | | |
|  DF #100 Straight 25K | 508604 | <ul style="list-style-type: none"> • Light subgingival deposits | FSI-100/#80795, FSI-SLI 10/#80392 | #100 Streamline®/#UI25K100S |
| DF #100 Straight 30K | 508704 | | FSI-100/#80798, FSI-SLI 10/#80395 | #100 Streamline®/#UI30K100S |
| ALL METAL INSERTS "DP-SERIES" | | | | |
|  DP #10 Universal 25K | 508801 | <ul style="list-style-type: none"> • Heavy to moderate supragingival deposits • Light to moderate subgingival deposits. | P10/#6120108 | #10 After Five®/#UI25KSL10S |
| DP #10 Universal 30K | 508901 | | #10 After Five®/#UI30KSL10S | |
| SUBGINGIVAL INSERTS (LOW POWER ONLY) | | | | |
|  DP #100 Straight 25K | 508804 | <ul style="list-style-type: none"> • Light subgingival deposits | SLI-10S Straight/#79290 | |
| DP #100 Straight 30K | 508904 | | SLI-10S Straight/#79611 | |

#508006 O-Rings (package of 12)

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Scaling & Polishing Accessories

Miniblaster™



Fully autoclavable clinical sandblaster designed to enhance adhesive dentistry procedures.

- Produces microretentive surfaces to enhance bonding to all dental materials.
- Index-finger controlled valve gives maximum ergonomic control and requires less operating pressure.
- Designed for left- and right-handed operators.
- Unique ratchet system for simplified nozzle rotation and angulation; no need to waste time loosening and tightening collars.
- FDA approved for intra-oral use.
- Tungsten carbide nozzle for wear resistance.
- Optional nozzle extension with 360° rotation for difficult to reach areas.
- In-line high pressure stop-cock with built-in on/off toggle included.
- Simple installation kit included.
- Can also use at 35psi on existing handpiece tubing or handpiece quick disconnect (Kavo, W&H, Sirona).
- 1 year warranty.

| | |
|---------|---|
| #505000 | Miniblaster |
| #505130 | Miniblaster Extension Nozzle |
| #505123 | Miniblaster Quick Disconnect Hook-Up Kit w/Metal ¼" T |
| #505124 | Miniblaster Quick Disconnect Hook-Up Kit w/Metal ⅜" T |
| #505126 | Miniblaster Quick Disconnect Hook-Up Kit w/Plastic T |
| #505128 | Miniblaster Male Quick Disconnect |
| #505129 | Miniblaster Standard Hook-Up Kit |
| #505111 | Miniblaster Adaptor for 4 Hole High Speed Connector |
| #505112 | Miniblaster Adaptor for 2-3 Hole High Speed Connector |
| #505113 | Miniblaster Adaptor for Kavo-Style High Speed Connector |
| #505114 | Miniblaster Adaptor for Sirona-Style High Speed Connector |
| #505117 | Miniblaster Adaptor for W&H-Style High Speed Connector |

Miniblaster Clinical Applications

- Can be used for surface preparation prior to bonding to all dental materials, including: precious, semi-precious, and non-precious metals; porcelain; composite; and resin materials.
- Macro-retention such as undercuts should be employed where possible in conjunction with the microretention produced by the Miniblaster.
- Use 50 micron aluminum oxide for routine work and 90 micron for more aggressive work and cement removal.

Dust-Inn 2000™

Sleek, high-tech dust collector with an all-around see-through dome.

No more flying grit or dust!



- Self-contained filtration system (no large vacuum systems to set up).
- For use with Miniblaster or other clinical sandblasters and for other grinding procedures.
- Compact, lightweight and portable.
- Attractive design and easier to use than all other dust collectors.
- Quiet, efficient fan extractor system with easily exchangeable filters.
- Hygienic wipe-down design.
- Large, transparent, replaceable lid.
- Used abrasive collects beneath the perforated work-table for simple disposal - just lift and empty.
- Ideal for chairside use in a dental office or dental laboratory.
- 1 year warranty.

| | |
|---------|---|
| #502900 | Dust-Inn 2000 110v |
| #502602 | Dust-Inn Replacement Dome with Handguards |
| #502608 | Dust-Inn Replacement Filters (5 Pack) |
| #157009 | Dust-Inn 115V Transformer |
| #502604 | Dust-Inn Replacement Fan Assembly |
| #502603 | Dust-Inn Replacement On/Off switch |

Aluminum Oxide Powder



- 50 micron for general etching and blasting.
- 90 micron for heavier work.
- Economical 2-pound bottles.
- For use with the Miniblaster and all clinical sandblasters.

| | |
|---------|--|
| #505050 | Aluminum Oxide Powder 50 micron (2 pound bottle) |
| #505090 | Aluminum Oxide Powder 90 micron (2 pound bottle) |

Instruments, Equipment, Accessories

Curing Light

Clear Blue Digi 2.0 LED Curing Light

- High power 1,200 mW/cm² for fast cures
- Emits light in the most relevant spectrum of 430-480nm wavelength to efficiently solidify any brand of resin
- Three working modes and exposure times for any clinical protocol
- Super-compact, lightweight, and cordless for the ultimate in convenience
- Cool and silent; no fan necessary as with halogen lamps
- Li-Ion battery with super capacity and no memory effect
- Can be operated cordless or with cord

*Latest Generation, High
Performance LED
Portable, Powerful, and
Practical*

| | |
|---|-------------------|
| CLEAR BLUE LED HIGH POWER CURING LIGHT | CLRBLU-SYS |
| CLEAR BLUE REPLACEMENT LIGHT GUIDE ROD - CLEAR | CLR-LG |
| CLEAR BLUE REPLACEMENT LIGHT GUIDE ROD - BLACK | CLR-LG-BLK |
| CLEAR BLUE REPLACEMENT BATTERY | CLR-BAT |
| UNIVERSAL LIGHT SHIELD | LS |
| CLEAR BLUE BASE | CLR-BAS |
| CLEAR BLUE TRANSFORMER | CLR-TRANS |
| CLEAR BLUE LIGHT METER | CLR-METER |



Instruments, Equipment, Accessories

EQUIPMENT

Air/Water Syringe

- Well balanced design, and smooth styling for comfortable use
- Easy release for a speedy exchange of tips
- Fully autoclavable tips



SYR AIR/WATER SYRINGE
SYR-TIP REPLACEMENT TIP

Universal Quick Disconnect Vacuum Valve

- Single piece anodized aluminum body
- Easy removal lever and spool valve assembly
- Lightweight 360° quick disconnect swivel
- Autoclavable



HVE-QD

Deluxe Quick Disconnect Saliva Ejector Valve

- Single piece anodized aluminum body
- Easy removal lever and spool valve assembly
- Lightweight 360° quick disconnect swivel
- Autoclavable



DSE-QD

Air Regulator

REG



Air Pressure Test Gauge

- Ensures proper air pressure is used to maximize handpiece performance and prevent damage



TEST-GAG2 FOR 2/3 HOLE HANDPIECES
TEST-GAG4 FOR 4, 5, OR 6 HOLE HANDPIECES

Smart Cleaner



- Removes blockages and cleans waterlines of handpieces and couplers.
- Prevents residue and biofilm build up that can lead to blockages.
- Easy to use and powerful tool for all offices and repair shops.

Smart Cleaner 2 or 4 hole SMART 2 OR 4

INSTRUMENTS

Crown & Bridge Remover

- Eliminates noise and pulling sensation of other C&B removers
- Prevents damage to restorations with 3 impact control settings



CB1 C&B REMOVER W/2 TIPS
CB-A BLUNT TIP A
CB-B SICKLE TIP B

Amalgam Packer Kit

- Kit comes with amalgam packer angle and 14 different points



AMKIT14 PACKER KIT W/14 PTS
AMP1...AMP14 POINTS 1-14

ACCESSORIES



2/3 Hole Handpiece to 4 Hole Tubing Adapter
3/4ADAPT



2/3 Hole Tubing Connector
CON-3H



4 Hole Handpiece to 2/3 Hole Tubing Adapter
4/2ADAPT



4 Hole Tubing Connector
CON-4H



Syringe Tubing
2TUBE



4 Hole Standard Tubing
4TUBE



Lab Braided Standard Tubing
BRTUBE



External Water Clip and Tubing for Contra Angles
WTR-CA



External Water Clip and Tubing for Nose Cones
WTR-NC

Instruments, Equipment, Accessories

TURBO Handpiece Control System

- Completely self contained handpiece control unit with clean water system – no installation requirements, just connect tube to air supply
- Compact table top system – only 6" x 5"
- Sleek contemporary design enables easy cleaning



WHY?

- Alternative to wall mounted or cart controls, fits in any setting
- Multiple uses: Laboratory or in-office setup
- Portable or temporary set up needs
- Emergency backup
- Handpiece cleaning/purge and testing station
- Repair facility

TWO GREAT OPTIONS!

Turbo 1 Handpiece and Syringe System

Features

- Single handpiece control with coolant
- 3 way syringe with quick change autoclavable tip
- Individual handpiece air pressure adjustments
- Water coolant flow control and on/off bottle pressure release
- Integrated clean water system w/1 liter bottle
- Easy to read pressure gauge
- Integrated high pressure regulator
- Variable speed disc-type foot control
- Asepsis European style tubing



Turbo 1

Turbo 2 Handpiece System

Features

- Two handpiece control with coolant
- Individual handpiece air pressure adjustments
- Water coolant flow control and on/off bottle pressure release
- Integrated clean water system w/1 liter bottle
- Easy to read pressure gauge
- Integrated high pressure regulator
- Twin-pedal heavy duty independent handpiece foot control
- Asepsis European style tubing



Turbo 2

Dart Disposable Handpiece System

- High speed 4 hole 400,000 RPM handpiece with disposable head/turbine
- Smooth efficient concentric cutting
- Maintenance free operation, fully autoclavable handle



FOR WHEN YOU DON'T WANT TO USE YOUR "FAVORITE HANDPIECE"

- Avoid damaging torque and chattering when cutting out old amalgams or removing metal crowns
- Serve an infectious patient or one you may have concerns about
- Eliminate patient concern by using a single use product to be discarded after procedure
- Emergency use when sterilization is not available



- DART DISPOSABLE SYSTEM (1 handle/13 heads) DDS-91**
- DART HANDLES (3) DDS-35**
- DART DISPOSABLE HEADS (12 pack) DDS-25**

Fiber Optic System

Think of our Challenger Fiber Optic System as an Upgrade to Fiber Optics at No Cost!



CONVENIENT FIBER OPTIC LIGHT SOURCE UNIT

- Comes complete – no other parts needed.
- Has a convenient external connection that does not require internal access and uses existing tubing. You can even turn 2-hole tubing into a fiber optic setup.
- Just plug it in - no tools or technician required! Fiber optics in less than 5 minutes!
- Slim, lightweight design.
- Mounts on any flat surface.
- Light source unit comes complete with fiber optic tubing, power source, transformer, air switch, and bulb module.
- Uses state-of-the-art ultra high pressure (UHP) Krypton-Halogen bulbs to ensure the highest light output and longest life.
- Extraordinary brilliance results in maximum light transmission to the clinical working area.



Complete Light Source Kit FOLS-1HP

Handpiece Parts & Accessories

Midwest[®] and Star[®] Titan[®]

FOR MIDWEST[®]

TURBINES

| | | | DENTSPLY # |
|---|-----------------------------|-----------|---------------|
|  | Tradition Screw Type | C-MWT | 750118 |
|  | Tradition Push Button/Lever | C-MWTPB | 780118 |
|  | Quiet Air Screw Type | C-MWQA | 464299/464300 |
|  | Quiet Air Push Button/Lever | C-MWQAPB | 484300 |
|  | Stylus Push Button | C-MWSPB | 790310 |
|  | XGT Push Button | C-MWXGTPB | 790118 |
|  | 8000 Screw Type | C-MW8 | N/A |
|  | Stylus Mini 540/541EPB | C-MS540PB | |
|  | Stylus ATC 890 PB | C-MS890PB | |
|  | Stylus ATC 990 PB | C-MS990PB | |

CHUCKS

| | | | |
|---|--------------------------|------------|--------|
|  | Tradition Standard Chuck | MWTRAD-CHK | 753244 |
|  | Quiet Air Standard Chuck | MWQA-CHK | 463075 |

BUR TOOLS

| | | | |
|---|--------------------|---------|--------|
|  | Tradition Bur Tool | BT-TRAD | 750119 |
|  | Quiet Air Bur Tool | BT-QA | 463102 |

END CAPS AND WRENCHES

| | | | |
|---|---------------------------------|--------------|--------|
|  | Tradition Standard End Cap | MWTRADEC | 751231 |
|  | Quiet Air Standard End Cap | MWQAEC | 464126 |
|  | Tradition Push Button End Cap | MWTRADPBEC | 780002 |
|  | Quiet Air Push Button End Cap | MWQAPBEC | 484301 |
|  | XGT/Tradition PB End Cap | MWXGTPBEC | 790122 |
|  | Stylus Push Button End Cap | MWSTPBEC | |
|  | Tradition Standard/8000 Wrench | MWTR-WRCHEC | 753060 |
|  | Quiet Air Standard Wrench | MWQA-WRCHEC | 290974 |
|  | Lever/Push Button/Stylus Wrench | MULTI-WRCHEC | 753333 |

GASKETS

| | | | |
|---|-----------------|--------|---------------|
|  | 2/3 Hole Gasket | GAS-3H | 713134,773015 |
|  | 4 Hole Gasket | GAS-4H | 773002 |
|  | 5 Hole Gasket | GAS-5H | 753342,773018 |
|  | 6 Hole Gasket | GAS-6H | |

FOR STAR[®]

TURBINES

| | | | STAR # |
|---|------------------------------|----------|----------------------------|
|  | Vista 430/Solara Push Button | C-S430PB | 260296 263739 263968 |
|  | Vista 430 Screw Type | C-S430 | 258661 |
|  | Vista Futura I & II | C-SF1 | |
|  | Vista Concentrix | C-SCX | |
|  | Vista Ultra | C-SUL | |

CHUCKS

| | | | |
|---|----------------------|-------------|--------|
|  | Star Square Chuck | STAR-CHK SQ | |
|  | Star Hexagonal Chuck | STAR-CHK H | 258659 |

BUR TOOLS

| | | | |
|---|------------------------|-----------|--------|
|  | For Star Square Chuck | BT-STARSQ | 257629 |
|  | For Star Hexagon Chuck | BT-STAR | 203108 |

END CAPS AND WRENCHES

| | | | |
|---|---------------------------------|--------------|--|
|  | Star 430 Push Button End Cap | STARPBEC | |
|  | Star 430 Standard End Cap | STAREC | |
|  | Star Concentric Std End Cap | STCONCEC | |
|  | Star Endurance PB End Cap | STENDPBEC | |
|  | Star Push Button End Cap Wrench | MULTI-WRCHEC | |

GASKETS

| | | | |
|---|-----------------|--------|--------|
|  | 2/3 Hole Gasket | GAS-3H | 203103 |
|  | 4 Hole Gasket | GAS-4H | 202897 |
|  | 5 Hole Gasket | GAS-5H | 202897 |
|  | 6 Hole Gasket | GAS-6H | 262520 |

O-RINGS

| | | | |
|---|--------------------------------------|-----------|--------|
|  | O-Ring for Star Coupler set of 4/pkg | STAR-CORG | 259884 |
|  | Star End Cap O-Ring | STAR-EORG | |

FIBER OPTIC LIGHT SOURCE BULBS

| | | | |
|---|---|---------|--|
|  | Star Quick Connector Xenon Bulb (1/pkg) | W-STRQC | |
|---|---|---------|--|

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Handpiece Parts & Accessories

KaVo, Johnson-Promident, & Other Brands

FOR KAVO TURBINES

| | | |
|--|---|------------|
| | Contact Air 632/633/645 Push Button | C-K632PB |
| | Bella Torque 639/642/643 Push Button | |
| | Contact Air 632/633/645 Friction Grip | C-K632FG |
| | Bella Torque 639/642/643 Friction Grip | |
| | 635B/637B Push Button | C-K635BPB |
| | 6000B/7000B Push Button | C-K6000BPB |
| | 625CD Push Button | C-K625CDPB |
| | 634 P4 Companion Push Button | C-K634PB |
| | Super Torque 625/630/640/603/605/607 PB | C-K625PB |
| | Super Torque 625/630/640 Friction Grip | C-K625FG |
| | 647B/649B Push Button | C-K647PB |
| | 650B Push Button | C-K650PB |
| | Magno 634 Super Torque | C-KMAG |
| | 6500B Push Button | C-K6500BPB |
| | 636/646 Push Button | C-K636PB |
| | 655C/660B Push Button | C-K655PB |
| | 659B Push Button | C-K659PB |
| | 8000 Push Button | C-K8000PB |
| | 4500/5000 Push Button | C-K4500PB |
| | 7000 Push Button | C-K7000PB |
| | Expert Torque E679L Push Button | C-K679PB |
| | Expert Torque E675L Push Button | C-K675PB |
| | Smart Torque S609C/S619C/S619L PB | C-K609PB |
| | Smart Torque S605C/S615L | C-K605PB |

END CAPS AND WRENCHES

| | | |
|--|--|---------------|
| | 632/633/634/639/642/643/645 PB End Cap | KAVO642EC |
| | 625/630/640 Push Button End Cap | KAVO630EC |
| | 635/637 Push Button End Cap | KAVO635EC |
| | 647/649/650 Push Button End Cap | KAVO647EC |
| | 6000/7000 Push Button End Cap | KAVO6000EC |
| | 6500/8000 Push Button End Cap | KAVO6500EC |
| | 636 Push Button End Cap | KAVO636EC |
| | 625/630/632/634/640 PB End Cap Wrench | KAVO-WRCHEC |
| | 635/647/649/650/6000 PB End Cap Wrench | KAVO-WRCHSPEC |

GASKETS

| | | |
|--|-------------------------|--------|
| | 4 Hole Gasket | GAS-4H |
| | 5 Hole Gasket | GAS-5H |
| | 6 Hole Gasket (Coupler) | GAS-6H |

O-RINGS

| | | |
|--|--|-------------|
| | O-Rings MULTiflex Coupler set of 5/pkg | KAVO-CORG |
| | O-Rings for KaVo Low Speed Motor 4/pkg | NSKSOR-KAV |
| | O-Rings for KaVo 630/640 Spray Cover | K630-SPORRG |
| | O-Rings for KaVo 647/649 Spray Cover | K647-SPORRG |

FIBER OPTIC LIGHT SOURCE BULBS

| | | |
|--|--------------------------------|----------|
| | KaVo Lux Coupler Bulb 2/pkg | W-KB |
| | LED Lux Coupler Conversion Kit | W-KB-LED |
| | Multiflex Bulb Cover | W-KB-CAP |

FOR JOHNSON-PROMIDENT & OTHER BRANDS

TURBINES

Canister-Type

Fit all canister handpieces including Johnson-Promident, ScheinMaster, Athena/Champion, Patterson, Medidenta, True Speed and more...

| | | |
|--|--------------------------------|-------------|
| | Standard Canister Screw Type | CART-AC |
| | Standard Canister Push Button | CART-PBA |
| | Mini Canister Screw Type | CART-MINI |
| | Mini Canister Push Button | CART-MINIPB |
| | Industrial Canister Screw Type | CART-IND |
| | High Speed Straight Lab Can. | CART-LAB |

For Dabi Atlante

| | | |
|--|--------------------|----------|
| | MS-350 Push Button | C-DAMSPB |
| | RS-350 Push Button | C-DARSPB |

For Impact Air 45®

| | | |
|--|------------------------|----------|
| | Impact Air Push Button | C-IMPACT |
|--|------------------------|----------|

For Bien-Air®

| | | |
|--|---------------------------|----------|
| | Black Pearl Push Button | C-BABPPB |
| | Black Pearl Friction Grip | C-BABPFG |
| | Bora Push Button | C-BABPB |
| | Ondine Push Button | C-BAOPB |
| | Ondine Friction Grip | C-BAOFG |
| | Prestige Push Button | C-BAPPB |
| | Bien Air Lab | C-BLAB |

No implication is made that any of our replacement products are original factory products or that any of the companies endorse our products. Bien-Air is a registered trademark of Bien-Air Dental S.A. Impact Air 45 is a registered trademark of Palisades Dental LLC.

Handpiece Parts & Accessories

Johnson-Promident and Other Brands

TURBINES

Johnson-Promident

| | | |
|---|--|----------------|
|  | Whispair Standard Push Button | C-JPWAPB |
|  | Whispair Mini Push Button | C-JPMWAPB |
|  | Gemini for KaVo Bella Torque | C-K632PB |
|  | Gemini for KaVo Super Torque | C-K625PB |
|  | Gemini for Midwest® Tradition® Std | C-MWT |
|  | Gemini for Midwest® Tradition® Push Button | C-MWTPB |
|  | Gemini for NSK/Kinetic Viper Standard | C-NSKVIPBLUEPB |
|  | Gemini for NSK QDJ 4 Port Push Button | C-JPQDJ4PB |

For Lares®

| | | |
|---|--|------------|
|  | 557/557 Euro Push Button | C-L557PB |
|  | 757 Push Button (Not for Euro/Ultralite) | C-L757PB |
|  | 330 E Screw Type | C-L330 |
|  | 757 Ultralite/Euro Multiport Push Button | C-L757ULPB |
|  | Ultra Access Push Button | C-LULTRAPB |

For Micro Motors

| | | |
|---|------------------------------|-----------|
|  | LHS 730 Mini Push Button | C-MM730PB |
|  | LHS 700 Standard Push Button | C-MM700PB |

For NSK

| | | |
|---|--|-----------------|
|  | NL65/NL45 Mach Lite Std. Push Button | C-NSK65MCSTD |
|  | NL65 Mach Lite Mini Push Button | C-NSK65MINIPB |
|  | NL65/NL45 Mach Lite Torque/Sabra 45-II Push Button | C-NSK65MCTORQ |
|  | Safco Excel/Sabra OMS 45/Pana Air Torque Push Button | C-NSKEXCELPB |
|  | Safco Excel/Pana Air Torque Screw Type | C-NSKEXCEL |
|  | NL 75/85 Mach Lite Mini (A200 Series)/ Push Button | C-NSK75MPB |
|  | NL 75/85 Mach Lite Std. (A300 Series)/ Kinetic Quantum Push Button | C-NSK75PB |
|  | NL 75/85 Mach Lite Torque (A400 Series) Push Button | C-NSK75TPB |
|  | NL 95 Triple Port Mini (A500 Series) Push Button | C-NSK95MPB |
|  | NL 95 Triple Port Std. (A600 Series) Push Button | C-NSK95PB |
|  | NL 95 Triple Port Torque (A700 Series) Push Button | C-NSK95TPB |
|  | Kinetic Viper/AlphaLite Small Push Button | C-NSKVIPREDPB |
|  | Kinetic Viper/AlphaLite Std Push Button | C-NSKVIPBLUEPB |
|  | Kinetic Viper/AlphaLite Torque Push Button | C-NSKVIPBLACKPB |

| | | |
|---|--|----------------|
|  | Super Grade Push Button | C-SGPB |
|  | Super Grade Screw Type | C-SG |
|  | Healthco Push and Swivel | C-NSKPUSHSWL |
|  | NSK Pana Air 2000 Standard Push Button | C-NSKPA2000SPB |
|  | NSK Pana Air 2000 Mini Push Button | C-NSKPA2000MPB |
|  | NSK 9000 Torque (X-700 Series) Push Button | C-NSK9000TPB |
|  | NSK 9000 Std (X-600 Series) Push Button | C-NSK9000SPB |
|  | NSK 9000 Mini (X-500 Series) Push Button | C-NSK9000MPB |
|  | NSK Pana Max Standard | C-NSKPMAXPB |
|  | NSK Pana Max Torque | C-NSKPMAXTPB |
|  | NSK Presto | C-NSKPRLAB |
|  | NSK/Schein Master II Std. Push Button | C-SCHMIIS |
|  | NSK/Schein Master II Screw-Type Std. | C-SCHMIISCREW |
|  | NSK/Schein Master II Mini | C-SCHMIIM |
|  | NSK S-Max Pico Push Button | C-NSKPICO |
|  | NSK/Brasseler NL6000 S Push Button | C-NSK6000SPB |

For Microtech/Dentex®

| | | |
|---|-----------------------|------------|
|  | M3-M Mini Push Button | C-M3MINIPB |
|  | M3-S Push Button | C-M3SPB |
|  | M3-MC Mini Screw Type | C-M3MINI |
|  | M3-SC Screw Type | C-M3SC |

For Siemens/Sirona

| | | |
|---|--------------------------------|---------|
|  | Sirona T2/T3 Mini Push Button | C-T2MPB |
|  | Sirona T2/T3 Racer Push Button | C-T2RCR |
|  | Sirona T1 Control Push Button | C-T1CPB |
|  | Sirona T2 Control Push Button | C-T2CPB |
|  | TM1 Push Button | C-TM1PB |
|  | TS1 Push Button | C-TS1PB |

For Ney Hurricane®

| | | |
|---|-------------------|--------|
|  | Ney Hurricane Lab | C-HURR |
|---|-------------------|--------|

No implication is made that any of our replacement products are original factory products or that any of the companies endorse our products. Lares is a registered trademark of Lares Research. Dentex is a registered trademark of Microtech Inc. Midwest, Tradition, and Hurricane are registered trademarks of Dentsply International.

Handpiece Parts & Accessories

Johnson-Promident and Other Brands

For W&H®/Adec®

| | | |
|---|---|------------|
|  | Sabra Small Push Button | C-WHSABSM |
|  | Synea TA-96/TE-96 Mini Push Button | C-WHSYNM |
|  | Synea TA-98/Allegra TE95/TE98 Large Push Button | C-WHSYNPB |
|  | 196/896 Top Air Push Button | C-WH196 |
|  | Sabra 395/397 Top Air Push Button | C-WHSABTA |
|  | Top Air 198/898 Push Button | C-WH198 |
|  | Sabra Trend Push Button | C-WHSABT |
|  | W&H TA-97 Push Button | C-WHTA97PB |
|  | W&H TA-98 5 Port LED Push Button | C-WHTA5PPB |
|  | W&H RC95 Push Button | C-WHRC95PB |

CHUCKS

| | | |
|---|-----------------------------|------------|
|  | Chuck for Doriot Handpiece | DOR-CH |
|  | High Speed Handpiece Chuck | HS-CHK |
|  | High Speed Mini Chuck | HS-CHK MIN |
|  | High Speed Industrial Chuck | HS-CHK IND |

BUR TOOLS

| | | |
|---|------------------------|--------|
|  | Universal Bur Tool | BT-MET |
|  | Miniature Bur Tool | BT-MIN |
|  | Friction Grip Bur Tool | BT-FG |

END CAPS AND WRENCHES

| | | |
|---|--|--------------|
|  | High Speed Handpiece End Cap | HS-EC |
|  | High Speed Handpiece Push Button End Cap | HS-ECPB |
|  | Standard End Cap Wrench | HS-WRCHEC |
|  | Push Button End Cap Wrench | HS-WRCHECPB |
|  | Whispair Standard PB End Cap | W-SPBEC |
|  | Whispair Mini PB End Cap | W-MPBEC |
|  | Whispair End Cap Wrench | MULTI-WRCHEC |
|  | Lares 557 Push Button End Cap | LRS557EC |
|  | Lares 757 Push Button End Cap | LRS757EC |
|  | Lares Ultra Access Push Button End Cap | LRSULTEC |
|  | Lares Push Button End Cap Wrench | LRS-PBWRCHEC |
|  | Schein Master C Type PB End Cap | SC-ECPB |

END CAPS AND WRENCHES

| | | |
|---|--|--------------|
|  | Impact Air PB End Cap (for aftermarket) | IPBEC |
|  | NSK NL65, 75, 95 Mini and Standard End Cap | NSKNLSPBEC |
|  | NSK Alpha Lite/Kinetic Viper Mini and Standard End Cap | NSKVIPSPBEC |
|  | NSK 9000S End Cap | NSK9000SPBEC |
|  | NSK Pana 2000 End Cap | NSKPA2PBEC |
|  | NSK Pana Max End Cap | NSKPAMAXPBEC |
|  | NSK AlphaLite/Viper End Cap Wrench | NSKVIPWRCHEC |
|  | Sirona T2/T3 Racer End Cap | SIR-T2REC |
|  | Sirona End Cap Wrench | SIR-WRCHEC |
|  | W&H TA96 Push Button End Cap | WHT96EC |
|  | W&H TA97 Push Button End Cap | WHT97EC |
|  | W&H TA98 Push Button End Cap | WHT98EC |
|  | W&H End Cap Wrench | WH-WRCHEC |
|  | W&H TA97/TA98 3 Pt. End Cap Wrench | WH3PT-WRCHEC |
|  | Gemini Kavo Super Torque Spray Cap and Nut | G-KSTSPRAY |
|  | Gemini Kavo Bella Torque Spray Cap and Nut | G-KBSTSPRAY |

GASKETS

| | | |
|---|-----------------|--------|
|  | 2/3 Hole Gasket | GAS-3H |
|  | 4 Hole Gasket | GAS-4H |
|  | 5 Hole Gasket | GAS-5H |
|  | 6 Hole Gasket | GAS-6H |

FIBER OPTIC LIGHT SOURCE BULBS

| | | |
|---|--|-----------|
|  | Challenger Bulb Module Kinetic Tubing | W-CHB |
|  | Challenger Bulb Module Red Gasket ISO-C Tubing | W-CHB-RED |
|  | NSK Connector Xenon Bulb 1 Pkg. | W-NB |

O-RINGS

| | | |
|---|---------------------------------------|----------|
|  | O-Rings for NSK, QD Handpiece (5/Set) | NSK-OR |
|  | Gemini Kavo Spray Cap O-Rings | GEMK-ORG |

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Endodontic Products

Posts

Parallel-Sided Posts (Whaledent-Type)

- Internationally accepted post technique for core build-ups and casting techniques
- Serrated, vented posts permit maximum retention with easy insertion and positive seating without stress or trauma
- Chairside kit contains seven standardized sizes ranging from 0.36"/0.9mm to 0.70"/1.75mm providing flexibility for all post placement requirements
- Color-coded posts and corresponding safety drills



Did you know that Johnson-Promident has sold over 2 million endo posts?

Screw Posts (Dentatus-Type)

- Anatomically-shaped tip design
- Square cross-cut head provides maximum material retention
- Available in 4 lengths (7.8mm - 14.2mm) and 6 diameters (1.05mm-1.80mm)
- Corresponding reamers match exact diameter and taper of posts



Stainless Steel Parallel-Sided Posts

| Size | 3 | 4 | 4.5 | 5 | 5.5 | 6 | 7 |
|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | .036"/0.90mm | .040"/1.00mm | .045"/1.14mm | .050"/1.25mm | .055"/1.40mm | .060"/1.50mm | .070"/1.75mm |
| 10-pack | S3-10 | S4-10 | S4.5-10 | S5-10 | S5.5-10 | S6-10 | S7-10 |
| 25-pack | S3-25 | S4-25 | S4.5-25 | S5-25 | S5.5-25 | S6-25 | S7-25 |
| 100-pack | S3-100 | S4-100 | S4.5-100 | S5-100 | S5.5-100 | S6-100 | S7-100 |

Stainless Steel Chairside Post Kit (3 posts and 1 drill each size) KIT-SS

Titanium Parallel-Sided Posts

| Size | 3 | 4 | 4.5 | 5 | 5.5 | 6 | 7 |
|----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | .036"/0.90mm | .040"/1.00mm | .045"/1.14mm | .050"/1.25mm | .055"/1.40mm | .060"/1.50mm | .070"/1.75mm |
| 10-pack | T3-10 | T4-10 | T4.5-10 | T5-10 | T5.5-10 | T6-10 | T7-10 |
| 25-pack | T3-25 | T4-25 | T4.5-25 | T5-25 | T5.5-25 | T6-25 | T7-25 |
| 100-pack | T3-100 | T4-100 | T4.5-100 | T5-100 | T5.5-100 | T6-100 | T7-100 |

Titanium Chairside Post Kit (3 posts and 1 drill each size) KIT-TIT

Post Drills

| Size | 3 | 4 | 4.5 | 5 | 5.5 | 6 | 7 |
|----------|------|------|--------|------|--------|------|------|
| 2 pieces | D3-2 | D4-2 | D4.5-2 | D5-2 | D5.5-2 | D6-2 | D7-2 |

Gold Screw Posts

| Size | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|--------|--------|--------|--------|--------|--------|
| 12 pcs | 1.05mm | 1.20mm | 1.35mm | 1.50mm | 1.65mm | 1.80mm |
| Short (7.8mm) | DG-S1 | DG-S2 | DG-S3 | DG-S4 | DG-S5 | DG-S6 |
| Medium (9.3mm) | DG-M1 | DG-M2 | DG-M3 | DG-M4 | DG-M5 | DG-M6 |
| Long (11.8mm) | DG-L1 | DG-L2 | DG-L3 | DG-L4 | DG-L5 | DG-L6 |
| X-Long (14.2mm) | | | | DG-XL4 | | DG-XL6 |

Gold Screw Post Kit (5 dozen) DG-K60

Gold Screw Post Kit (20 dozen) DG-K240

Titanium Screw Posts

| Size | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|--------|--------|--------|--------|--------|--------|
| 6 pcs | 1.05mm | 1.20mm | 1.35mm | 1.50mm | 1.65mm | 1.80mm |
| Short (7.8mm) | DT-S1 | DT-S2 | DT-S3 | DT-S4 | DT-S5 | DT-S6 |
| Medium (9.3mm) | DT-M1 | DT-M2 | DT-M3 | DT-M4 | DT-M5 | DT-M6 |
| Long (11.8mm) | DT-L1 | DT-L2 | DT-L3 | DT-L4 | DT-L5 | DT-L6 |
| X-Long (14.2mm) | | | | DT-XL4 | | DT-XL6 |

Titanium Screw Post Kit (5 dozen) DT-K60

Titanium Screw Post Kit (20 dozen) DT-K240

Reamers

| Size | 1 | 2 | 3 | 4 | 5 | 6 | Assorted |
|--------------|-------|-------|-------|-------|-------|-------|----------|
| 3 pcs | | | | | | | |
| Short (28mm) | DR-1S | DR-2S | DR-3S | DR-4S | DR-5S | DR-6S | DR-S |
| Long (33mm) | DR-1L | DR-2L | DR-3L | DR-4L | DR-5L | DR-6L | DR-L |

Screw Post Keys (2 pcs) DW

Handpiece Attachments



16:1 Sheath
ESH16:1



Endodontic ¼ Turn E-Type Head
E-ENDO



Endodontic ¼ Turn Contra Angle for Star Titan
TIT-ENDO



Endodontic Push Button ¼ Turn Head/Hand Files
E-PBENDO



Endodontic ¼ Turn U-Type Contra Angle
S-ENDO



E-Type 4:1 Endo ¼ Turn Push Button Hand Files Contra Angle
4-1PBENDASSY



E-Type 4:1 Endo ¼ Turn Latch Type Engine File Contra Angles
4-1ENDASSY

Johnson-Promident is your one-stop shop for rotary instruments! We have the widest range of carbides, diamonds, and finishing instruments of any manufacturer.

Rotary Instruments

carbide OPERATIVE BURS



| ROUND | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|
| | | | | | | | | | |
| U.S. No. | ¼ | ½ | 1 | 2 | 3 | 4 | 5 | 6 | 8 |
| Diameter (mm) | 0.50 | 0.70 | 0.80 | 1.00 | 1.20 | 1.40 | 1.60 | 1.80 | 2.30 |
| FG | • | • | • | • | • | • | • | • | • |
| FG SS | | • | • | • | • | • | • | • | • |
| FG Surg. | | | • | • | • | • | • | • | • |
| RA | • | • | • | • | • | • | • | • | • |
| RA Surg. | | | • | • | • | • | • | • | • |
| HP | • | • | • | • | • | • | • | • | • |

| INVERTED CONE | | | | | | | |
|---------------|------|------|------|------|------|------|------|
| | | | | | | | |
| U.S. No. | 33 ½ | 34 | 35 | 36 | 37 | 38 | 39 |
| Diameter (mm) | 0.70 | 0.80 | 1.00 | 1.20 | 1.40 | 1.60 | 1.80 |
| FG | • | • | • | • | • | • | • |
| FG SS | • | • | • | • | • | • | • |
| FG Surg. | | • | • | • | • | • | • |
| RA | | • | • | • | • | • | • |
| HP | | • | • | • | • | • | • |

| PEAR | | | |
|---------------|------|------|------|
| | | | |
| U.S. No. | 329 | 330 | 331 |
| Diameter (mm) | 0.60 | 0.80 | 1.00 |
| FG | • | • | • |
| FG SS | | • | • |
| RA | | • | • |

| PEAR (LONG HEAD) | |
|------------------|------|
| | |
| U.S. No. | 331L |
| Diameter (mm) | 1.00 |
| FG | • |

| FLAT FISSURE PLAIN CUT (LONG HEAD) | |
|------------------------------------|------|
| | |
| U.S. No. | 57L |
| Diameter (mm) | 1.00 |
| FG | • |

| WHEEL | |
|---------------|------|
| | |
| U.S. No. | 14 |
| Diameter (mm) | 1.20 |
| FG | • |

| TAPER FISSURE PLAIN CUT (LONG HEAD) | | |
|-------------------------------------|------|------|
| | | |
| U.S. No. | 169L | 170L |
| Diameter (mm) | 0.90 | 1.00 |
| FG | • | • |

| TAPER FISSURE PLAIN CUT | | |
|-------------------------|------|------|
| | | |
| U.S. No. | 169 | 170 |
| Diameter (mm) | 0.90 | 1.00 |
| FG | • | • |
| HP | | • |

| TAPER FISSURE CROSS CUT | | | | |
|-------------------------|------|------|------|------|
| | | | | |
| U.S. No. | 699 | 700 | 701 | 702 |
| Diameter (mm) | 0.90 | 1.00 | 1.20 | 1.60 |
| FG | • | • | • | • |
| FG SS | • | • | • | • |
| FG Surg. | | • | • | • |
| RA | | • | • | • |
| HP | • | • | • | • |

| TAPER FISSURE CROSS CUT (LONG HEAD) | | |
|-------------------------------------|------|------|
| | | |
| U.S. No. | 699L | 700L |
| Diameter (mm) | 0.90 | 1.00 |
| FG | • | • |

| FLAT FISSURE CROSS CUT (LONG HEAD) | | |
|------------------------------------|------|------|
| | | |
| U.S. No. | 556L | 557L |
| Diameter (mm) | 0.90 | 1.00 |
| FG | • | • |

| AMALGAM PREP | | |
|---------------|------|------|
| | | |
| U.S. No. | 245 | 246 |
| Diameter (mm) | 0.80 | 1.20 |
| FG | • | • |
| FG SS | • | • |

| FLAT FISSURE PLAIN CUT | | |
|------------------------|------|------|
| | | |
| U.S. No. | 56 | 57 |
| Diameter (mm) | 0.90 | 1.00 |
| FG | • | • |
| FG SS | • | • |

| FLAT FISSURE CROSS CUT | | | |
|------------------------|------|------|------|
| | | | |
| U.S. No. | 556 | 557 | 558 |
| Diameter (mm) | 0.90 | 1.00 | 1.20 |
| FG | • | • | • |
| FG SS | • | • | • |
| FG Surg. | • | • | • |
| RA | • | • | • |
| RA Surg. | • | • | • |
| HP | • | • | • |

FG: Friction Grip
SS: Short Shank
Surg: Surgical Length
RA: Right Angle (Latch Type)
HP: Handpiece

FG, SS, SURG, RA available in 10 packs and 100 packs and HP available in 5 packs and 100 packs

Rotary Instruments

carbide OPERATIVE BURS



DOMED FISSURE PLAIN CUT

| U.S. No. | 1156 | 1157 | 1158 |
|---------------|------|------|------|
| Diameter (mm) | 0.90 | 1.00 | 1.20 |
| FG | • | • | • |
| FG SS | | • | |

DOMED FISSURE CROSS CUT

| U.S. No. | 1556 | 1557 | 1558 |
|---------------|------|------|------|
| Diameter (mm) | 0.90 | 1.00 | 1.20 |
| FG | • | • | • |
| FG Surg. | | • | |
| HP | • | • | • |

DOMED TAPER FISSURE PLAIN CUT

| U.S. No. | 1170 | 1171 | 1172 |
|---------------|------|------|------|
| Diameter (mm) | 1.00 | 1.20 | 1.60 |
| FG | • | • | • |

DOMED TAPER FISSURE CROSS CUT

| U.S. No. | 1700 | 1701 | 1702 |
|---------------|------|------|------|
| Diameter (mm) | 1.00 | 1.20 | 1.60 |
| FG | • | • | • |
| FG Surg. | | | • |

END CUTTING BURS

| U.S. No. | 957 |
|---------------|------|
| Diameter (mm) | 1.00 |
| FG | • |

carbide ORTHODONTIC, SURGICAL, AND SPECIALTY BURS

ORTHODONTIC BURS

| U.S. No. | 1185 | 118L | 218 | 48L |
|---------------|------|------|------|------|
| Diameter (mm) | 1.60 | 1.60 | 1.60 | 1.20 |
| FG | • | • | • | • |

ESTHETIC FINISHING BURS

| U.S. No. | EF3 | EF4 | EF6 | EF9 | OF1 | OF2 | OF3 |
|---------------|------|------|------|------|------|------|------|
| 10 blades | | | | | | | |
| Diameter (mm) | 0.80 | 1.00 | 1.40 | 1.40 | 2.30 | 0.90 | 0.70 |
| 10 blades | • | • | • | • | | | |
| 12 blades | | | | | • | • | • |

METAL CUTTING BURS

| U.S. No. | 331/1931 | 1558/1958 | 557/2057 |
|---------------|----------|-----------|------------|
| Diameter (mm) | 1.0 | 1.2 | 1.0 |
| JP # | JP1 | JP2 | JP557/2057 |

SURGICAL BUR 151

| U.S. No. | 151 | 151L |
|---------------|------|------|
| Diameter (mm) | 1.60 | 1.60 |
| FG | • | • |

ENDO Z (ZEKRYA) BUR 152

| U.S. No. | 152 |
|---------------|-----|
| Diameter (mm) | 1.4 |
| FG | • |

LINDEMANN BURS

| U.S. No. | 161 | 162 |
|---------------|------|------|
| Diameter (mm) | 1.60 | 1.60 |
| FG SURG. | • | • |

LONG FLAME

| U.S. No. | 48L |
|---------------|------|
| Diameter (mm) | 1.20 |
| FF 12 flutes | • |

See our 'Rotary Instruments Product Catalog and Reference Guide' for more details about our products and general information about choosing the right rotary instrument.



Rotary Instruments

carbide TRIMMING AND FINISHING BURS

| ROUND | | | |
|---|---|---|---|
|  |  |  |  |
| U.S. No. 12 flutes | 7004 | 7006 | 7008 |
| U.S. No. 30 flutes | | 9006 | 9008 |
| Diameter (mm) | 1.40 | 1.80 | 2.30 |
| TF 12 flutes | • | • | • |
| FF 30 flutes | | • | • |

| FLAME | | | |
|---|---|---|---|
|  |  |  |  |
| U.S. No. 12 flutes | 7104 | 7106 | 7108 |
| Diameter (mm) | 1.40 | 1.80 | 2.30 |
| TF 12 flutes | • | • | • |

| LONG TAPER | | | |
|---|---|---|---|
|  |  |  |  |
| U.S. No. | 7204 | 7205 | 7206 |
| Diameter (mm) | 1.40 | 1.60 | 1.80 |
| TF 12 flutes | • | • | • |

| PEAR | |
|--|--|
|  |  |
| U.S. No. | 7303 |
| Diameter (mm) | 1.20 |
| TF 12 flutes | • |

| EGG | | | |
|---|---|---|---|
|  |  |  |  |
| U.S. No. 12 flutes | 7404 | 7406 | 7408 |
| U.S. No. 30 flutes | | 9406 | |
| Diameter (mm) | 1.40 | 1.80 | 2.30 |
| TF 12 flutes | • | • | • |
| FF 30 flutes | | • | |

| TAPER POINTED | | | | | | |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| U.S. No. 12 flutes | 7114 | 7611 | 7612 | 7214 | 7613 | 7714 |
| U.S. No. 30 flutes | | | | 9214 | | 9714 |
| Diameter (mm) | 0.90 | 0.10 | 0.14 | 0.10 | 1.40 | 1.60 |
| TF 12 flutes | • | • | • | • | • | • |
| FF 30 flutes | | | | • | | • |

| TAPER FLAT END | |
|---|---|
|  |  |
| U.S. No. 30 flutes | 9713 |
| Diameter (mm) | 1.20 |
| FF 30 flutes | • |

| TAPER ROUND END | | |
|---|---|---|
|  |  |  |
| U.S. No. 12 flutes | 7642 | 7664 |
| U.S. No. 30 flutes | | 9642 |
| Diameter (mm) | 1.00 | 1.40 |
| TF 12 flutes | • | • |
| FF 30 flutes | • | |

| NEEDLE | | | | |
|---|---|---|---|---|
|  |  |  |  |  |
| U.S. No. 12 flutes | 7901 | 7902 | 7903 | |
| U.S. No. 30 flutes | | | 9903 | 9904 |
| Diameter (mm) | 0.90 | 1.00 | 1.20 | 1.40 |
| TF 12 flutes | • | • | • | • |
| FF 30 flutes | | | • | • |

| BULLET | | | |
|---|---|---|---|
|  |  |  |  |
| U.S. No. 12 flutes | 7801 | 7802 | 7803 |
| U.S. No. 30 flutes | | | 9803 |
| Diameter (mm) | 0.90 | 1.00 | 1.20 |
| TF 12 flutes | • | • | • |
| FF 30 flutes | | | • |

| INTERPROXIMAL | |
|---|---|
|  |  |
| U.S. No. 30 flutes | 9103 |
| Diameter (mm) | 1.20 |
| FF 30 flutes | • |

TF: Trimming & Finishing
FF: Fine Finishing

Available in 5 packs

See our 'Rotary Instruments Product Catalog and Reference Guide' for more details about our products and general information about choosing the right rotary instrument.

Rotary Instruments

diamond BURS



| ROUND | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|
| | | | | | | |
| Code | 801-009 | 801-012 | 801-014 | 801-016 | 801-018 | 801-022 |
| Diameter (mm) | 0.9 | 1.2 | 1.4 | 1.6 | 1.8 | 2.2 |
| Head Length (mm) | 0.9 | 1.2 | 1.4 | 1.6 | 1.8 | 2.2 |
| Super Fine | | | | | | |
| Fine | | | | | | |
| Medium | M | M | M | M | M | M |
| Coarse | | C | C | C | C | C |
| Super Coarse | | | | | | |



| INVERTED CONE | | | | | | |
|------------------|---------|---------|---------|---------|---------|---------|
| | | | | | | |
| Code | 805-012 | 805-016 | 805-018 | 807-014 | 807-016 | 807-018 |
| Diameter (mm) | 1.2 | 1.6 | 1.8 | 1.4 | 1.6 | 1.8 |
| Head Length (mm) | 1.3 | 1.4 | 1.6 | 3.0 | 4.0 | 5.0 |
| Super Fine | | | | | | |
| Fine | | | | F | | |
| Medium | | | | M | M | M |
| Coarse | C | C | C | | | |
| Super Coarse | | | | | | |



| BARREL | | |
|------------------|---------|---------|
| | | |
| Code | 811-033 | 811-037 |
| Diameter (mm) | 3.3 | 3.7 |
| Head Length (mm) | 5.5 | 5.5 |
| Super Fine | | |
| Fine | | |
| Medium | | |
| Coarse | C | C |
| Super Coarse | | SC |



| DOUBLE INVERTED CONE | | | |
|----------------------|---------|---------|---------|
| | | | |
| Code | 806-012 | 806-014 | 813-018 |
| Diameter (mm) | 1.2 | 1.4 | 1.8 |
| Head Length (mm) | 3.0 | 2.0 | 2.1 |
| Super Fine | | | |
| Fine | | | |
| Medium | | M | M |
| Coarse | C | | |
| Super Coarse | | | |



| PEAR | |
|------------------|----------|
| | |
| Code | 830L-012 |
| Diameter (mm) | 1.2 |
| Head Length (mm) | 3.9 |
| Super Fine | |
| Fine | |
| Medium | M |
| Coarse | |
| Super Coarse | |



| WHEEL | |
|------------------|---------|
| | |
| Code | 818-030 |
| Diameter (mm) | 3.0 |
| Head Length (mm) | 0.8 |
| Super Fine | |
| Fine | |
| Medium | M |
| Coarse | |
| Super Coarse | |



| ROUND WHEEL | | |
|------------------|---------|---------|
| | | |
| Code | 909-037 | 909-040 |
| Diameter (mm) | 3.7 | 4.0 |
| Head Length (mm) | 1.0 | 1.3 |
| Super Fine | | |
| Fine | | |
| Medium | M | |
| Coarse | C | C |
| Super Coarse | | |



| GROSS REDUCTION | | | | |
|------------------|---------|---------|---------|---------|
| | | | | |
| Code | 651-016 | 652-018 | 654-016 | 655-018 |
| Diameter (mm) | 1.6 | 1.8 | 1.6 | 1.8 |
| Head Length (mm) | 6.0 | 8.0 | 6.0 | 8.0 |
| Super Fine | | | | |
| Fine | | | | |
| Medium | | | | |
| Coarse | C | C | C | C |
| Super Coarse | | | | |



| INTER PROXIMAL | |
|------------------|---------|
| | |
| Code | 392-016 |
| Diameter (mm) | 1.6 |
| Head Length (mm) | 5.0 |
| Super Fine | SF |
| Fine | F |
| Medium | |
| Coarse | C |
| Super Coarse | |



SF: Super Fine
 F: Fine
 M: Medium
 C: Coarse
 SC: Super Coarse

Diamond burs available in 5 packs and 100 packs



Rotary Instruments *diamond* BURS



| EGG/FOOTBALL | | | | | | | |
|------------------|---|---|---|---|---|---|--|
| |  |  |  |  |  |  |  |
| Code | 368-016 | 368-018 | 368-023 | 369-023 | 379-016 | 379-018 | 379-023 |
| Diameter (mm) | 1.6 | 1.8 | 2.3 | 2.3 | 1.6 | 1.8 | 2.3 |
| Head Length (mm) | 3.3 | 4.5 | 5.3 | 5.1 | 3.4 | 3.6 | 4.4 |
| Super Fine | | SF | SF | | | | SF |
| Fine | F | F | F | F | F | F | F |
| Medium | | M | M | | | M | M |
| Coarse | | C | C | C | | C | C |
| Super Coarse | | | SC | | | | |



| TORPEDO CYLINDER | | |
|------------------|---|---|
| |  |  |
| Code | 878-012 | 878-014 |
| Diameter (mm) | 1.2 | 1.4 |
| Head Length (mm) | 8.0 | 8.0 |
| Super Fine | | |
| Fine | | |
| Medium | M | |
| Coarse | C | C |
| Super Coarse | | |



| FLAT END CYLINDER | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  |  |
| Code | 835-008 | 835-010 | 835-012 | 835-014 | 836-012 | 836-014 | 837-010 | 837-012 | 837-014 | 837-016 | 837-018 |
| Diameter (mm) | 0.8 | 1.0 | 1.2 | 1.4 | 1.2 | 1.4 | 1.0 | 1.2 | 1.4 | 1.6 | 1.8 |
| Head Length (mm) | 4.0 | 4.0 | 4.0 | 4.0 | 5.6 | 6.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Super Fine | | | | | | | | | | | |
| Fine | | F | | | | | | | | | |
| Medium | M | M | | | | | | M | M | M | |
| Coarse | | C | C | C | C | C | C | C | C | C | C |
| Super Coarse | | | | | | | | | | | |



| CYLINDER ROUNDED SHOULDER | | | |
|---------------------------|---|---|---|
| |  |  |  |
| Code | 836KR-014 | 837KR-012 | 837KR-016 |
| Diameter (mm) | 1.4 | 1.2 | 1.6 |
| Head Length (mm) | 6.0 | 8.0 | 8.0 |
| Super Fine | | | |
| Fine | | | |
| Medium | | | |
| Coarse | C | C | C |
| Super Coarse | | | |



| ROUND END CYLINDER | | |
|--------------------|---|---|
| |  |  |
| Code | 881-014 | 881-016 |
| Diameter (mm) | 1.4 | 1.6 |
| Head Length (mm) | 8.0 | 8.0 |
| Super Fine | | |
| Fine | | |
| Medium | | M |
| Coarse | C | C |
| Super Coarse | | |



| SEPARATION | | |
|------------------|---|---|
| |  |  |
| Code | 889-008 | 889-010 |
| Diameter (mm) | 0.8 | 1.0 |
| Head Length (mm) | 3.0 | 4.0 |
| Super Fine | | |
| Fine | F | F |
| Medium | | |
| Coarse | | |
| Super Coarse | | |



| FLAT END TAPER | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  |
| Code | 846-012 | 846-018 | 847-014 | 847-016 | 847-018 | 847-019 | 848-012 | 848-016 | 848-018 | |
| Diameter (mm) | 1.2 | 1.8 | 1.4 | 1.6 | 1.8 | 1.9 | 1.2 | 1.6 | 1.8 | |
| Head Length (mm) | 6.0 | 7.0 | 8.0 | 8.0 | 8.0 | 8.0 | 10.0 | 10.0 | 10.0 | |
| Super Fine | | | | | | | | | | |
| Fine | | | | | | | | | | |
| Medium | | | | M | | M | | M | | |
| Coarse | C | C | C | C | C | C | C | C | C | |
| Super Coarse | | | | | | | | | | |



SF: Super Fine
F: Fine
M: Medium
C: Coarse
SC: Super Coarse

Diamond burs available in 5 packs and 100 packs

Rotary Instruments

diamond BURS



| TAPER ROUNDED SHOULDER | | | | | |
|------------------------|-----------|-----------|-----------|-----------|-----------|
| | | | | | |
| Code | 845KR-018 | 845KR-025 | 846KR-016 | 847KR-016 | 847KR-018 |
| Diameter (mm) | 1.8 | 2.5 | 1.6 | 1.6 | 1.8 |
| Head Length (mm) | 4.0 | 4.0 | 6.0 | 8.0 | 8.0 |
| Super Fine | | | | | |
| Fine | | F | | | |
| Medium | | ☒ | ☒ | ☒ | ☒ |
| Coarse | C | C | C | C | C |
| Super Coarse | | | | | |

| GINGIVAL CURETTAGE | | | | |
|--------------------|----------|----------|----------|----------|
| | | | | |
| Code | 878K-014 | 878K-016 | 878K-018 | 879K-018 |
| Diameter (mm) | 1.4 | 1.6 | 1.8 | 1.8 |
| Head Length (mm) | 8.0 | 8.0 | 8.0 | 9.5 |
| Super Fine | | | | |
| Fine | | | | |
| Medium | | | | ☒ |
| Coarse | C | C | C | |
| Super Coarse | | | | |

| ROUND END TAPER | | | | | | | | | | | | |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|
| | | | | | | | | | | | | |
| Code | 850-012 | 850-014 | 850-016 | 850-018 | 855-012 | 855-014 | 855-018 | 855-025 | 856-010 | 856-012 | 856-014 | 856-016 |
| Diameter (mm) | 1.2 | 1.4 | 1.6 | 1.8 | 1.2 | 1.4 | 1.8 | 2.5 | 1.0 | 1.2 | 1.4 | 1.6 |
| Head Length (mm) | 10.0 | 10.0 | 10.0 | 10.0 | 6.3 | 6.3 | 6.4 | 7.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| Super Fine | | | | | | | | | | | | |
| Fine | | | F | F | | | | | | | | F |
| Medium | | | | ☒ | ☒ | ☒ | | | | | | ☒ |
| Coarse | C |
| Super Coarse | | | | | | | | | | | | SC |

| ROUND END TAPER (CONTINUED) | | | | | |
|-----------------------------|-----------|----------|----------|----------|----------|
| | | | | | |
| Code | 856-018 | 856-025 | 856L-016 | 856L-018 | 856L-020 |
| Diameter (mm) | 1.8 | 2.5 | 1.6 | 1.8 | 2.0 |
| Head Length (mm) | 9.0 | 8.0 | 9.0 | 9.0 | 9.0 |
| Super Fine | | | | | |
| Fine | F | | | | |
| Medium | ☒ | | | | |
| Coarse | C | C | C | C | C |
| Super Coarse | SC | | | | |

| POINTED CYLINDER | | | | |
|------------------|----------|----------|----------|----------|
| | | | | |
| Code | 885-010 | 885-012 | 886-012 | 886-016 |
| Diameter (mm) | 1.0 | 1.2 | 1.2 | 1.6 |
| Head Length (mm) | 8.0 | 8.0 | 10.0 | 10.0 |
| Super Fine | | | | |
| Fine | | | | |
| Medium | | ☒ | ☒ | |
| Coarse | C | C | C | C |
| Super Coarse | | | | |

| NEEDLE | | | | | | | | | |
|------------------|----------|---------|-----------|---------|----------|----------|-----------|-----------|----------|
| | | | | | | | | | |
| Code | 858-010 | 858-012 | 858-014 | 858-016 | 859-010 | 859-012 | 859-014 | 859-016 | 859L- |
| Diameter (mm) | 1.0 | 1.2 | 1.4 | 1.6 | 1.0 | 1.2 | 1.4 | 1.6 | 1.6 |
| Head Length (mm) | 8.0 | 8.0 | 8.0 | 8.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.5 |
| Super Fine | | | SF | | | | SF | SF | |
| Fine | F | | | | F | | F | F | F |
| Medium | | ☒ | ☒ | ☒ | ☒ | | ☒ | ☒ | ☒ |
| Coarse | | | C | | | C | C | C | |
| Super Coarse | | | | | | | | | |

| FLAME | | | | | | | | | | |
|------------------|----------|---------|-----------|----------|-----------|-----------|----------|----------|----------|----------|
| | | | | | | | | | | |
| Code | 390-018 | 860-010 | 861-014 | 862-010 | 862-012 | 862-014 | 862-018 | 863-010 | 863-012 | 863-016 |
| Diameter (mm) | 1.8 | 1.0 | 1.4 | 1.0 | 1.2 | 1.4 | 1.8 | 1.0 | 1.2 | 1.6 |
| Head Length (mm) | 3.0 | 4.0 | 6.0 | 8.0 | 8.0 | 8.0 | 8.0 | 10 | 10 | 9.5 |
| Super Fine | | | SF | | SF | SF | | | | |
| Fine | F | | | F | F | F | | F | F | |
| Medium | | ☒ | | | ☒ | | | | ☒ | ☒ |
| Coarse | | | | C | C | C | C | | C | C |
| Super Coarse | | | | | | | | | | |

SF: Super Fine
F: Fine
M: Medium
C: Coarse
SC: Super Coarse

Diamond burs available in 5 packs and 100 packs

2013 Best Product



Rotary Instruments

Finishing & Polishing Instruments



Single Patient Composite Disc Kit

Helps reduce cross-contamination and is conveniently packaged in individual, single patient units. Packaged 48/box, each unit contains 4 color-coded discs (one each of coarse, medium, fine, and superfine) and a disposable mandrel.

3/8" Disc Kit - SP-SL1981
1/2" Disc Kit - SP-SL1982



Single-Use Diamond Composite Polishing Kit, Dentsply Enhance®/PoGo®-Type

Contains 60 pieces:
10 each of cup, point, disc in both coarse and fine

Code ENH/POG-KIT



Two-Step Diamond Composite Polishing Kit

Contains 8 pieces:
1 each of small point, point, cup, and knife edge in both coarse and fine

Code COMP-KIT

Single-Use Diamond Composite Polishers, Dentsply PoGo®/Enhance®-Type

These disposable polishing systems are ideal for finishing and polishing all composites, creating a high-gloss luster even on the latest generation composite materials.

| Coarse, Dentsply Enhance®-Type | | | |
|--|----------|---------|--------|
| Two-step polishing system for finishing and polishing all composite restorations. Provides an aesthetic high gloss finish. | | | |
| | | | |
| Description | Disc | Cup | Point |
| Code | ENH-DISC | ENH-CUP | ENH-PT |
| Shank | RA | RA | RA |

48 per package
Recommended RPM 5,000-10,000

| Fine, Dentsply PoGo®-Type | | | |
|---|----------|---------|--------|
| One-step diamond polisher creates high luster on all composites without paste in one quick and easy step. | | | |
| | | | |
| Description | Disc | Cup | Point |
| Code | POG-DISC | POG-CUP | POG-PT |
| Shank | RA | RA | RA |

48 per package
Recommended RPM 5,000-10,000

Two-Step Diamond Composite Polishers (Multi-Use)

Two-step diamond polishing system for finishing, smoothing and high-luster polishing of the latest generation of composite materials. Diamond abrasives are embedded in the four silicone polisher shapes to enable easy access to interproximal and occlusal surfaces.

| Pre-Polishers, Coarse | | | | |
|-----------------------|-------------|---------|---------|------------|
| | | | | |
| Description | Small Point | Point | Cup | Knife Edge |
| Code | COMP-SPC | COMP-PC | COMP-CC | COMP-KEC |
| Shank | RA | RA | RA | RA |

3 per package
Recommended RPM 5,000-10,000

| Polishers, Fine | | | | |
|-----------------|-------------|---------|---------|------------|
| | | | | |
| Description | Small Point | Point | Cup | Knife Edge |
| Code | COMP-SPF | COMP-PF | COMP-CF | COMP-KEF |
| Shank | RA | RA | RA | RA |

3 per package
Recommended RPM 5,000-10,000

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Rotary Instruments

Finishing & Polishing Instruments



Complete Disc/Strip Kit

Contains 252 pieces:

- 200 discs (25 each of 3/8" and 1/2" in Coarse, Medium, Fine, and Superfine)
- 50 strips (25 each of Regular Coarse/Medium and Regular Fine/Superfine)
- 2 RA Mandrels

Code SL2385-KIT

Composite Discs and Strips, 3M™ Sof-Lex™-Type

Easy to use and ideal for all composites. Produce surface smoothness and visual gloss for more natural and life-like results. Color-coded to simplify your polishing procedures. Made of aluminum oxide on a flexible ultra-thin mylar backing, allowing the disc to conform to the contours of the teeth.

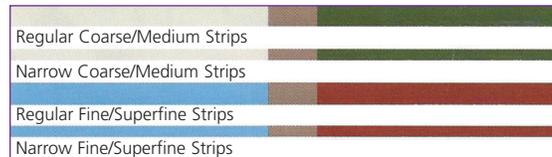
Disc Refills (maximum RPM 20,000)

| | SIZE | GROSS REDUCTION | CONTOUR | FINISH | POLISH |
|-------------|-------------|-----------------|--------------|--------------|---------------|
| | | | | | |
| Description | 3/8" | Coarse | Medium | Fine | Superfine |
| Code | | SL1981/1958C | SL1981/1958M | SL1981/1958F | SL1981/1958SF |
| | | | | | |
| Description | 1/2" | Coarse | Medium | Fine | Superfine |
| Code | | SL1982/1958C | SL1982/1958M | SL1982/1958F | SL1982/1958SF |

100 per package

Finishing and Polishing Strips

Interproximal trimming, polishing, and finishing at a high level of polish and luster, gapped at the center for easy interproximal insertion.



Composite Disc Mandrels (for use with Johnson-Promident Sof-Lex™-type discs)



| Description | RA Mandrel | HP Mandrel |
|-------------|------------|------------|
| Code | MAN-1958RA | MAN-1958HP |

3 per package



Use with **Deldent Diaglaze Diamond Paste**, containing actual diamond particles for a superb, natural appearance.

| Description | Extra Fine (2gm) | Fine (2gm) | Regular (2gm) | 3-pack of Regular, Fine, Extra Fine (2gm ea) |
|-------------|------------------|------------|---------------|--|
| Code | 520005 | 520006 | 520007 | 520004 |

Diamond Strips

Fast-cutting diamond strips. Stainless steel with diamond grit. Thin and flexible; will not stretch or break. Fully autoclavable. Diamond coating is ideal for finishing enamel and restorative materials. 6" long and gapped for easy interproximal insertion. Perforated strips provide improved visibility and more flexibility.

| Standard | | | |
|-------------------------|------------|---------|---------|
| Description | Super Fine | Fine | Medium |
| Code | FS4-SF | FS4-F | FS4-M |
| Perforated | | | |
| Description | Super Fine | Fine | Medium |
| Code | FS4P-SF | FS4P-F | FS4P-M |
| Double Sided Standard | | | |
| Description | | Fine | Medium |
| Code | | FSD4-F | FSD4-M |
| Double Sided Perforated | | | |
| Description | | Fine | Medium |
| Code | | FSD4P-F | FSD4P-M |

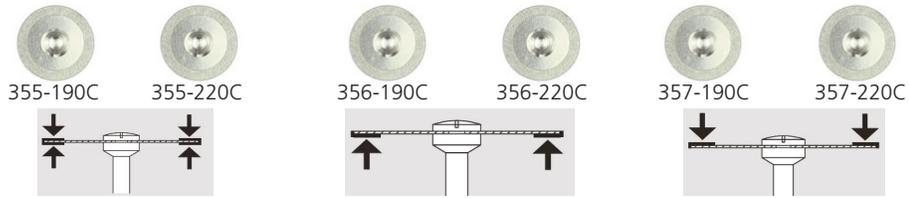
10 per package

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Rotary Instruments

Finishing & Polishing Instruments

Diamond Discs



| Super Flexible Diamond Discs | | | | | | |
|------------------------------|--------------|--------------|---------------|---------------|--------------|--------------|
| Description | Double-Sided | Double-Sided | Safe Side Out | Safe Side Out | Safe Side In | Safe Side In |
| Size | 19mm | 22mm | 19mm | 22mm | 19mm | 22mm |
| Code | 355-190C | 355-220C | 356-190C | 356-220C | 357-190C | 357-220C |

1 Per Package



934-190M



934-220M



401-220F

| FlexClear Diamond Discs | | | |
|-------------------------|-------------------|-------------------|--------------------|
| Description | Double-Sided Mesh | Double-Sided Mesh | Double-Sided Swirl |
| Size | 19mm | 22mm | 22mm |
| Code | 934-190M | 934-220M | 401-220F |

Separating Discs

7/8"x.009 – Super thin and strong. Made of the purest silicon carbide abrasive for fine cutting and finishing of porcelain interproximals and margins. Will not discolor porcelain.

7/8"x.015 – Very thin. Made with the purest silicon carbide abrasive to provide fast cool cutting of porcelain and gold. Will not discolor porcelain.

7/8"x.025 – Ruby – Made with aluminum oxide that has a ceramic coating for long lasting, fast cutting of all chrome, precious, and semi-precious metals. Compare to Dentsply Faskut® discs and Keystone Red Flush discs.

7/8"x.025 – Stripper – Made with brown aluminum oxide for fast cutting of all chrome, precious, and semi-precious metals.



Strip Saw

7"x8mm wide stainless steel serrated saw for opening embrasures and easily opening contacts following restorative procedures.

| | |
|-------------|---------------|
| Description | 8mm Strip Saw |
| Code | SAW-8MM |

6 per package



Zirconia/CAD/CAM Ceramic Abrasives

High performance synthetically bound diamond abrasives for latest generation materials. Specially designed for zirconia and alumina restorations without generating heat. Coarse abrasives for gross reduction, medium abrasives for finishing. For polishing, use Johnson-Promident Porcelain Polishers.

| Coarse | | | Medium | | |
|-------------|---------|---------|-------------|---------|---------|
| | | | | | |
| Description | Disc | Cone | Description | Disc | Cone |
| Code | ZIRC-DC | ZIRC-CC | Code | ZIRC-DM | ZIRC-CM |
| Shank | RA | RA | Shank | RA | RA |

3 per package
Recommended RPM 8,000-12,000

3 per package
Recommended RPM 8,000-12,000



Ceramic Abrasives Kit

Contains 4 pieces:
1 each of disc and cone in coarse and medium

Code ZIRC-KIT

Rotary Instruments

Finishing & Polishing Instruments



Amalgam/Gold Polishing Kit

Contains 12 pieces:
1 each of mini point, point, cup, and bullet in coarse, medium, and fine.

Code AM-GOLDKIT



Diamond Porcelain Polishing Kit

Contains 12 pieces:
1 each of small point, point, cup, and disc in coarse, medium, and fine.

Code CERA506-KIT



Standard Porcelain Polishing Kit

Contains 12 pieces:
1 each of small point, point, cup, and disc in coarse, medium, and fine.

Code PORC-KIT

Amalgam/Gold Polishers, Shofu “Brownie-and-Greenie-Type”

Three-step polishing system for fast removal, smoothing, and polishing of amalgam and precious metals. The silicon carbide is embedded in a medium-soft, flexible synthetic rubber matrix.

12 per package;
Recommended RPM 7,000-12,000

| |  |  |  |  |
|---------------------------|---|---|---|---|
| Description | Mini Point | Point | Cup | Bullet |
| Shank | RA | RA | RA | RA |
| Shaping - Coarse | AMAL-MP030C | AMAL-P050C | AMAL-C065C | AMAL-B040C |
| Smoothing - Medium | AMAL-MP030M | AMAL-P050M | AMAL-C065M | AMAL-B040M |
| High Shine - Fine | AMAL-MP030F | AMAL-P050F | AMAL-C065F | AMAL-B040F |

Diamond Porcelain Polisher, NTI®/Axis CeraGlaze®-Type

Amazing three-step diamond polishing system for removing, finishing, and high-luster polishing of ceramic, metal, and zirconia. Diamond abrasive embedded in a hard-flexible, silicone polisher. No need for multiple polishing systems, and the high-luster polish is achieved without paste.

3 per package;
Recommended RPM 7,000-12,000

| |  |  |  |  |  |
|---------------------------|---|---|---|---|---|
| Description | Wheel | Small Point | Point | Cup | Disc |
| Shank | HP | RA | RA | RA | RA |
| Shaping - Coarse | CERA-W43C | CERA-SP33C | CERA-P32C | CERA-C55C | CERA-D36C |
| Smoothing - Medium | CERA-W43M | CERA-SP33M | CERA-P32M | CERA-C55M | CERA-D36M |
| High Shine - Fine | CERA-W43F | CERA-SP33F | CERA-P32F | CERA-C55F | CERA-D36F |

Standard Porcelain Polisher, Shofu Ceramiste/NTI® Axis Porcelain-Type

Silicone polishers made specifically for polishing porcelain and enamel, with three grits for prepolishing, polishing, and high shine super polishing.

10 per package;
Recommended RPM 7,000-12,000

| |  |  |  |  |  |
|---------------------------|---|---|---|---|---|
| Description | Wheel | Small Point | Point | Cup | Disc |
| Shank | HP | RA | RA | RA | RA |
| Shaping - Coarse | PORC-W43C | PORC-SP33C | PORC-P32C | PORC-C55C | PORC-D36C |
| Smoothing - Medium | PORC-W43M | PORC-SP33M | PORC-P32M | PORC-C55M | PORC-D36M |
| High Shine - Fine | PORC-W43F | PORC-SP33F | PORC-P32F | PORC-C55F | PORC-D36F |

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Rotary Instruments

Finishing & Polishing Instruments

Denture Adjustment/Polishing Kit

For chair side denture adjustment, includes one non-clogging carbide bur for fast acrylic trimming and 5 silicone carbide rubber points in Coarse, Medium and Fine for removing, finishing and high luster polishing of denture acrylics.



Contains 6 pieces (HP): 3 Coarse/Green, 1 Medium/Gray, and 1 Fine/Beige Silicone Carbide Rubber Points and 1 Acrylic Trimming Carbide Bur

Code ACRB-KIT

Silicone Acrylic Polishing Kit



Contains 12 pieces: 1 each of small point, point, large point, and jumbo in coarse, medium, and fine.

Code ACR-KIT

Acrylic Polishers, NTI®/Axis-Type

Three-step polishing system for removing, finishing, and high-luster polishing of acrylics. Silicon carbide embedded in a medium-soft, flexible, synthetic rubber matrix.

6 per package; Recommended RPM 5,000-7,000

| |  |  |  |  |
|---------------------------|--|--|--|--|
| Description | Small Point | Point | Large Point | Jumbo |
| Shank | HP | HP | HP | HP |
| Shaping - Coarse | ACR-SP9580C | ACR-P679C | ACR-LP674C | ACR-J672C |
| Smoothing - Medium | ACR-SP9580M | ACR-P669M | ACR-LP664M | ACR-J662M |
| High Shine - Fine | ACR-SP9580F | ACR-P659F | ACR-LP654F | ACR-J652F |

Green and White Stones, Shofu Dura-Green- and Dura-White-Type

Green Stones contain silicon carbide and are excellent for fast contouring and finishing of porcelain, composites, and gold and silver alloys. White Stones, made of aluminum oxide, are ideal for fine contouring and finishing of enamel, composites, and porcelains.

Green Stones *12 per package. Recommended RPM 8,000-12,000*

| |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Description | CY-3 | TC-2 | TC-4 | IC-3 | IC-5 | IC-7 | IC-9 | KN-7 | PC-2 | WH-3 | WH-6 | CN1 | FL2 |
| Shank | HP | HP | HP | FG | FG |
| Code | G-CY3HP-12 | G-TC2HP-12 | G-TC4HP-12 | G-IC3HP-12 | G-IC5HP-12 | G-IC7HP-12 | G-IC9HP-12 | G-KN7HP-12 | G-PC2HP-12 | G-WH3HP-12 | G-WH6HP-12 | G-CN1FG-12 | G-FL2FG-12 |

White Stones *12 per package. Recommended RPM 8,000-12,000*

| |  |  |  |  |  |  |
|-------------|---|---|---|---|---|---|
| Description | WH-6 | TC-4 | FL-3 | IC-4 | CN1 | FL2 |
| Shank | HP | HP | HP | HP | FG | FG |
| Code | W-WH6HP-12 | W-TC4HP-12 | W-FL3HP-12 | W-IC4HP-12 | W-CN1FG-12 | W-FL2FG-12 |

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Lubricants



DCL 90 Lubricant/Cleaner

- All-in-One degreaser, cleaner and lubricating conditioner.
- Unique formula contains high temperature silicon to prevent damage to bearings during autoclaving.

6 oz. Spray Can

L-DCL

Premium Spray for KaVo

- Exact same formula as KaVo Spray.
- Advanced Cleaner and Lubricant.
- Accepts all KaVo nozzles.

L-K



European Lubricant

- Handpiece spray lubricant for KaVo and other European handpieces.
- Designed to fit KaVo adapters.
- Same performance with economical price.

11.7 oz. Spray Can

L-EL

Nozzle for All KaVo Quick Disconnect

L-KNQD



Pro Handpiece Lubricant Refill

- Handpiece lubricant refill for automated handpiece maintenance systems like Assistina.

16 oz. Bottle

L-PL

Nozzle for KaVo Fixed Back and Slow Speed

L-KNSTD



Pro Handpiece Cleaner Refill

- Handpiece cleaner refill for automated handpiece maintenance systems like Assistina.

16 oz. Bottle

L-PC

Nozzle for NSK Mach Type/Flexiquik Couplers

L-NSKMACH



Pen Oiler

- Convenient and neat autoclavable lubricating oil.

1/4 oz. Pen

L-PP

Nozzle for NSK QD-J Couplers

L-NSKQDJ



Handpiece Lubricant

- Economical Squeeze dropper autoclavable handpiece lubricating oil.

2 oz. Bottle

L-AC

Nozzle for E-Type Attachments

L-ETYPE





Did you know that we offer over 1,000 products?

Over the past four decades, Johnson-Promident has been serving the needs of dental and lab equipment dealers and repair facilities as the trusted source for handpieces, rotary instruments, replacement parts and accessories. We set high standards for ourselves and our suppliers. That translates into excellent service levels, wide ranging product availability and products that provide superior value.

Johnson-Promident has focused primarily on the handpiece category since its inception enabling us to assemble the broadest product line in the U.S. Our prices will allow you to offer the lowest prices to your customers on every Johnson-Promident handpiece and rotary instrument sold.

...but what really sets us apart...

SUPERIOR PERSONALIZED SERVICE. We are committed to working with you and your business to enhance the attractiveness of your product offering, capture more of the market and boost your profitability.

Terms and Conditions & Repair Support

Terms & Conditions

Returns: Before opening a sealed handpiece box or carton, please examine the label to ensure you have received the correct item (including the correct back end configuration). If the box seal is broken, the handpiece will only be repaired or replaced in accordance with the warranty. Only unopened handpieces will be exchanged. This policy is for your protection and is final.

Prior approval must be obtained from Johnson-Promident before merchandise may be returned for credit. Only standard merchandise of current stock, less than six months from date of original shipping date and accompanied by the original invoice will be accepted for credit. Shipment of returned merchandise must be prepaid. Items returned for repair work only, may be returned without prior approval.

Restocking fee: Merchandise approved and returned in the original unopened container and accompanied by the invoice, will be charged a 20% restocking fee.

Conditions: Purchasing of Johnson-Promident products from this list is open to recognized accounts and/or dealers of Johnson-Promident. Possession of a dealer's price list does not constitute an offer to sell. Johnson-Promident reserves the right to make changes in product design without any obligation to accept previously manufactured products for alteration, exchange or credit. Payment terms are net 30 days. A late payment fee of 11.2% will be assessed monthly on the total invoice past due.

Claims: Shortage claims must be made within 48 hours from receipt of the goods. Damaged goods must be reported to the carrier within 24 hours and damage claims must be filed by the consignee.

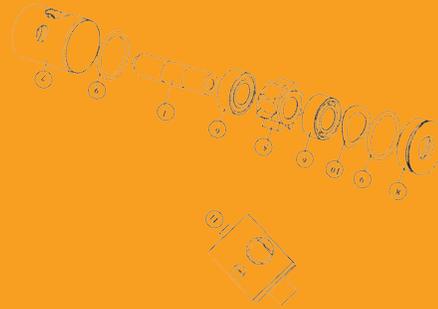
Warranty: Johnson-Promident warrants its products to the original purchaser against defective workmanship and materials under normal procedures of installation, use and service within the dental profession, for six months from the date of sale for all Slow Speed and Whipair handpieces, Kool Torque and Shortgripper attachments, Curing Lights, Deluxe Scaler and Replacement Turbines installed by Johnson Promident. All other products have a three month warranty. All handpiece shells carry a one year warranty.

Disclaimer: No implication is made that any of the registered trade names mentioned in this catalog are original factory products or that any of these companies endorse any of our products. These trade names include: KaVo, Dentatus, Whaledent, Midwest, Rhino, Shorty, Quiet Air Lever, Tradition Lever, XGT, Stylus, Bien Air, Black Pearl, Ondine, Star, Titan, Vista 430, KaVo Contact Air, Super Torque, Lares, NSK Push & Swivel, NSK Phatelus, NSK Super Grade, Kinetic Viper, W&H, Sabra, Synea, Siemens.

Wholesale Repair Support Program

Johnson-Promident understands that product support through parts and service has become increasingly important to a dealer or repair facility's ability to attract and retain customers. We can help you broaden your services and improve turnaround time to your customers.

- **Outsource repair work:** We can be your in-house service technician for any handpiece products or instruments your customers need repaired.
- **Wholesale repair prices:** Johnson-Promident's wholesale repair prices make it an easy and profitable extension to your existing business.
- **Repair and replacement parts:** We have a full stock of parts for most brands providing you "just-in time" delivery to meet your customers' needs.



The Advantage for Your Customers:

TIME: Quick 24 hour turnaround on most repairs to reduce equipment downtime.

MONEY: Your repairs are 30-40% less expensive to the customer than sending them to the manufacturer, and we offer no obligation free estimates.

SECURITY: Quality repairs provided with a warranty of up to 180 days (depending on type of repair) which is twice the industry average.

KNOWLEDGE: Toll-free helpline staffed by expert technicians available to answer any handpiece operational or maintenance questions.

Repair expertise for all makes and models of high and low speed handpieces.



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