

# ATHENA CHAMPION

Better Price. Better Service.



## Retail Catalog

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Thank you for your support of Athena Champion handpieces and accessories. We take pride in better price and better service to our dental suppliers. Try us out! If for any reason you are not satisfied return your product within 30 days for a credit or exchange. It is that simple! Our customer service department is available from 8 a.m. to 5 p.m. (Eastern Time).

### Telephone Numbers

Toll Free in the U.S./Canada .....(800) 253-1771  
Domestic/International .....(260) 373-1917

### 24-Hour FAX Numbers

Domestic.....(800) 722-4460  
International .....(260) 373-0395



ISO 13485:2003  
FM 39029

HIGH SPEED HANDPIECES

- 350,000 RPM at 32 PSI.
- Autoclavable/chemiclavable.
- Well balanced with comfortable grip and weight.
- Office replaceable turbine.
- High-quality bearings for smooth and quiet operation with great tactile feel.



AC5000

Standard Head with Bur Tool



- AC5000-4S .....4-hole connector  
AC5000-2S .....2-hole connector

Standard Head with Push Button Chucking



- AC5000-4P .....4-hole connector  
AC5000-2P .....2-hole connector



AC5000

Miniature Head with Bur Tool



- AC5000M-4S .....4-hole connector

Miniature Head with Push Button Chucking



- AC5000M-4P .....4-hole connector



Fiber Optic



- 135985 .....Fiber Optic with  
Standard Push Button Head

HIGH SPEED HANDPIECES



Press 'N' Swivel



- 134982 .....Push Button Head Handpiece  
& Swivel Connector  
104002 .....Swivel Connector Only

(Available in 4-hole connector only.)



AC5000 Light Weight



- AC5000LW-4S .....Standard head 4-hole with bur tool  
AC5000LW-4P .....Push Button Standard Head 4-Hole  
AC5000MLW-4P .....Push Button Mini Head 4-hole

# HIGH SPEED HANDPIECES



## Fiber-Brite™ Handpiece Illumination System

- Modular bulb construction for easy replacement.
- High intensity light improves intraoral visibility and reduces eye strain.
- Compatible with all ISO-B 5-hole handpieces.
- Easily installs with flexible, light-weight aseptic tubing.
- One, two or three handpiece configurations.
- Available in 120VAC or 220VAC.
- Economical and easy bulb replacement.

20000.....	Fiber-Brite for 1 handpiece
21000.....	Fiber-Brite 2 handpiece system (only 1 tubing, 1 lamp module)
20010.....	Replacement power pack (1 handpiece system)
21010.....	Replacement power pack (2 handpiece system)
24000.....	Lamp replacement module
24010.....	120V replacement power supply
24020.....	220V replacement power supply

\* Systems do not include handpieces. Specify color and straight or coiled tubings.  
 All prices quoted are 120VAC, add \$27 for 220VAC system.

# HIGH SPEED HANDPIECES



## Fiber-Brite™ Tubing – 5’ Length

23000 .....	Straight gray Fiber-Brite tubing (see picture on page 6)
23004 .....	Straight beige Fiber-Brite tubing

## Fiber-Brite™ Frequently Asked Questions:

**Q. What is the voltage from the power supply (24010) to power pack (20010)?**

A. 11 volts

**Q. What is the voltage from power pack (20010) to handpiece (135985)?**

A. 3.5 – 3.7 volts, anything higher will cause premature lamp module failure

**Q. What if I cannot stabilize the voltage from the power supply (24010) to power pack (20010)?**

A. Replace power pack

**Q. What if my lamp module (24000) consistently has premature failure?**

A. Check voltage from power pack (20010) to handpiece (135985), it should read 3.5 volts. If voltage is more than 3.5 - 3.7 then replace power pack (20010).

**Q. How many holes/pins does tubing have?**

A. 6

LOW SPEED HANDPIECES



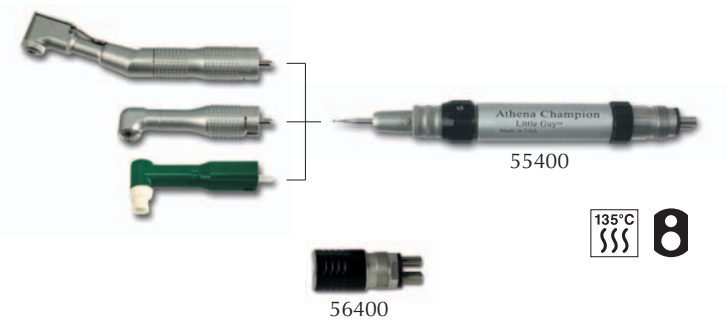
### Little Guy™ Low Speed System

- The #1 complete system for dentist and hygienist needs.
- Built-in straight attachment (reduces cost).
- Accepts “U”-style contra angles (latch and friction grip), disposable or metal prophy angles and straight handpiece burs.
- High torque at low air pressure.
- Reversible 0-5,000 RPM motor.
- Available with swivel quick-disconnect.
- Autoclavable/chemiclavable.

**Full Two Year Warranty • Made In USA**

- 55400.....Standard Little Guy with 4-hole connector
- 56401 .....Little Guy with Quick-disconnect & swivel
- 56400 .....Quick-disconnect connector only

(All swivel and quick-disconnect connectors available in 4-hole only.)



LOW SPEED HANDPIECES

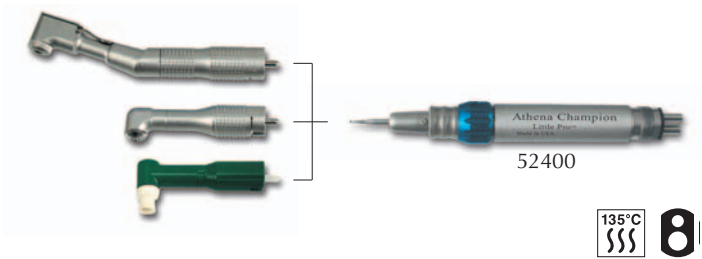


### Little Pro™ Hygiene Handpiece

- The ideal hygiene handpiece that converts easily to doctor needs.
- One of the shortest and versatile low speed handpieces on the market.
- Exceptional balance and feel with very low vibration.
- Swivel nosecone reduces tubing drag.
- Less hand and wrist fatigue.
- 0-5,000 RPM at 40–45 PSI, nonreversible.
- Accepts both disposable or metal prophy angles, “U”-style contra angles (latch and friction grip), and straight handpiece burs.
- Autoclavable/chemiclavable.

**Full Two Year Warranty • Made In USA**

- 52400.....Little Pro non-reversing hygiene handpiece





### "U" Style Contra Angles

To fit Little Guy Low Speed and other low speed nosecones with "U" configuration.



- 48000....."U" style contra angle with standard latch head (0-20,000 RPM)
- 48001 ..... "U" style contra angle with ball bearing latch head (0-40,000 RPM)
- 48002....."U" style contra angle with standard friction grip head (0-20,000 RPM)



### "U" Style Metal Prophylaxis Angle

- 48010....."U" Style True Seal prophylaxis angle, screw type
- 48010-6....."U" Style True Seal prophylaxis angle, screw type – 6 Pack
- 48011 ..... "U" Style True Seal prophylaxis angle, snap on type



## Athena Champion Repair Services

### 48-Hour Turnaround Time

- We at Athena understand how important your equipment is to the everyday operation of your practice. With our 48-hour turnaround from receipt of the product, Athena Champion Handpiece Repair minimizes downtime and maximizes productivity.

### Free Shipping\*

- For a free repair shipping box and USPS prepaid shipping label, please contact us at (800) 253-1771 or send an email to [acrepair@athenachampion.com](mailto:acrepair@athenachampion.com).
- Repaired handpieces will ship back to you UPS 2nd Day Air.

### Quality and Knowledge

- Athena Champion's in-house repair service features experienced technicians who are trained to service all manufacturers' high and low speed handpieces.
- Athena Champion's in-house repair center will perform handpiece repairs at the lowest price using only the highest quality parts.

### Guaranteed Workmanship

- Athena Champion's in-house repair service gives one of the most comprehensive guarantees in the industry – a full 6 month warranty on all overhauls.

### Policy:

- Doctors can send repair directly to us; Athena Champion will contact dental supplier and request purchase order for repair work.
- All repairs must indicate preferred dental supplier.
- Warranty repairs must be accompanied by proof of purchase showing purchase date and serial number of item. This can be validated using a dealer invoice.
- Please refer to page 22 of this catalog for more details.

*It is recommended that you insure your package for a safe arrival of your valuable handpieces to our repair center.*



### 20K Elite™ “E” Type Low Speed Motor

- 20,000 RPM with adjustment ring for forward or reverse operation.
- Latch button for positive retention and release of “E” Type attachments.

40489.....20K “E” Type motor, 4-hole



42002

### Straight Attachments for 20K Elite Motor



42002 .....Elite 1:1 straight attachment

42004 .....Elite 4:1 straight attachment



43001

43004



### Contra Angles for 20K “E” Type Motors

- Contra angle 12-tooth head configuration accepts a latch head, prophyl head, etc. with same configuration. These heads are referred to as NSK/Japanese type.
- Long life stainless steel gears and four ball bearings.

43001-12.....20K “E” type contra angle 1:1

43004-12.....20K “E” type contra angle 4:1 reduction



49070-14

### Reduction Contra Angles for Midwest Shorty or Rhino XP



*(The 14 tooth is designed to fit Midwest configured contra angle heads.)*

49070-14 .....Midwest type contra angle 4:1 reduction



49050



49060

### Straight Attachments for Midwest & Star



49060.....Elite 1:1 straight attachment for Star Titan

49050 .....Elite 1:1 straight attachment for Midwest Shorty & Rhino XP

49054 .....Elite 4:1 straight attachment for Midwest Shorty & Rhino XP

### Straight Attachments

- Models designed to fit all “E” type motors, Midwest Shorty, Rhino XP and Star Titan.
- Assembled with four ball bearings, stainless steel chuck and long life chucking mechanism.
- Available in 1:1 and 4:1 reduction speed ranges.
- Also available in several “E” motor systems.  
Call customer service at (800) 253-1771 for more information.



## LOW SPEED ATTACHMENTS



### Replacement Heads to Fit Contra Angles



44001-14	.....Latch type head to fit Midwest 14 tooth contra angle
44002-12	.....Latch type head to fit 12 tooth contra angle
44003-12	.....Mini latch head to fit 12 tooth contra angle
44010-12	.....Ball bearing latch head to fit 12 tooth contra angle
44000-12	.....Ball bearing push button head to fit 12 tooth contra angle
44020-12	.....1/4 turn latch head for 12 tooth contra angle
44030-12	.....Friction grip head for 12 tooth contra angle with bur tool
44050-12	.....Screw type sealed prophy angle to fit 12 tooth contra angle
44051-12	.....Snap-on sealed prophy angle to fit 12 tooth contra angles
ST6000LH	.....Star Titan contra latch head
48040	.....Shaft gear replacement

(All heads listed above are available in 14 tooth configuration at same price, please call customer service for part number.)

## LOW SPEED MOTOR AND ATTACHMENTS



### "E" Type Contra Angles with Heads



45001-12	.....1:1 "E" type contra angle with deluxe latch head
45002-12	.....1:1 "E" type contra angle with ball bearing latch head
45020-12	.....4:1 "E" type contra angle with deluxe latch head
45021-12	.....4:1 "E" type contra angle with ball bearing latch head



### Magician Burs

- Designed for removing old crowns, amalgams, precious metals, semiprecious metals, and non-precious alloys (including chrome cobalt).
- Friction grip only; with double diagonal blade construction to cut metal smooth, fast, and efficiently.

80033	.....One Each of Three Types
80001	.....Three Each of HM21RX010 (1557 type)
80011	.....Three Each of HM21RX012 (1558 type)
80021	.....Three each of HM23RX012 (1701 type)



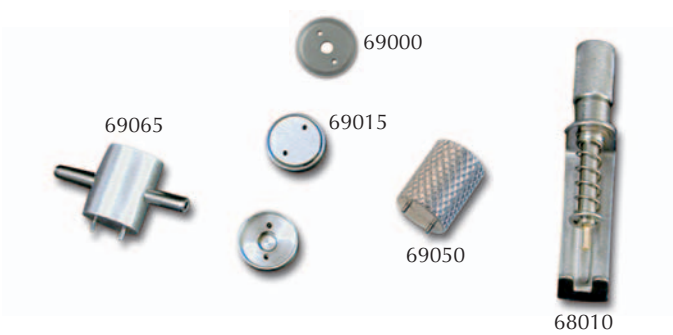
**Replacement Cartridges  
for Athena Champion Handpieces**

- Autoclavable/chemiclavable.
- Easy chairside replacement.
- Standard or mini head, push button or bur tool.

**Canister Cartridge for  
AC5000 and Similar  
Japanese Handpieces\***

61900.....	Standard head bur tooled canister
61902.....	Standard head push button canister without cap
61980.....	Standard head push button canister with cap
62900.....	Mini head bur tooled canister
62901.....	Mini head push button canister without cap
62997.....	Mini head push button canister with cap

*\*Including other Japanese style handpieces such as NSK, Pana Air, Schein, True Speed, Air King, Naminex, Johnson-Promident, etc.*



**Athena Champion Caps, Cap Wrenches,  
Chucks, & Bur Tools for AC5000, AC4000,  
Champ-Air and Similar Japanese Handpieces**

69000.....	Standard & mini head cap
69015.....	Standard & mini head push button head cap
69050.....	Standard & mini head cap wrench
69065.....	Standard & mini head push button cap wrench
67000.....	Standard head chuck
67010.....	Mini head chuck
68010.....	Universal standard & mini head metal bur tool/wrench

## REPLACEMENT TURBINES/CARTRIDGES FOR MIDWEST, STAR, KAVo AND OTHER ACCESSORIES MANUFACTURED BY ATHENA CHAMPION

- Autoclavable/chemiclavable.
- All replacement cartridges carry six (6) month warranty.



### Athena Champion Replacement Cartridges for Midwest Quiet-Air, Quiet-Air Insight



78000 .....	Quiet-Air standard bur tool
77000 .....	Quiet-Air standard metal chuck
70950 .....	Quiet-Air standard & fiber optic turbine (includes cap & wrench)
79010 .....	Quiet Air standard cap wrench (to remove cartridge)
70903 .....	Quiet-Air Lever turbine

### Athena Champion Replacement Cartridges for Tradition

78010



71950 .....	Tradition standard & fiber optic turbine (includes cap & wrench)
77001 .....	Tradition standard metal chuck for cartridge
78010 .....	Tradition standard bur tool
71903 .....	Tradition Lever turbine

*(Quiet-Air, Quiet-Air L, In-sight, Tradition, Tradition L, & Midwest 8000, 8000i are trademarks of DENTSPLY Midwest.)*

## REPLACEMENT TURBINES/CARTRIDGES FOR MIDWEST, STAR, KAvo AND OTHER MANUFACTURED BY ATHENA CHAMPION



### Athena Champion Replacement Cartridges for Star 430 Series and Vista



73900 .....	Star 430 standard
73903 .....	Star 430 push button (stainless steel bearings)
73903-MF .....	Star 430 push button with maintenance free bearings
77010 .....	Metal chuck for Star 430 standard

*(Star, Vista, and Concentrix are registered trademarks for DEN-TAL-EZ.)*



### Athena Champion Replacement Cartridges and Cap Wrench for KaVo



74900 .....	KaVo 630, 640
74910 .....	KaVo 650
74911 .....	KaVo 635
74912 .....	KaVo 647, 649
74914 .....	KaVo 632, 634, 642, 643, Bella Torq 625
58000 .....	KaVo cap wrench, push button

### Athena Champion Replacement Cartridges for Healthco Push "N" Swivel



74904 .....	Healthco Push "N" Swivel
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# Champ-Lube™ 20 Plus

- High temperature lubricant designed to withstand autoclaving/sterilization.
- Safe, nontoxic formula ensures long bearing life by reducing friction.
- Micro dispensing needle tip, non-aerosol spray for chairside use.



30010	30001
30015	30003
	30005

30001 .....	Champ-Lube 20+ pen oiler .25 oz. tube
30003 .....	Champ-Lube 20+ pen oiler 6-pack, .25 oz. tubes
30005 .....	Champ-Lube 20+ pen oiler 50 pack, .25 oz. tubes
30010.....	Champ-Lube 20+ .5 oz. bottle 2 pack
30015.....	Champ-Lube 20+ .5 oz. bottle 4 pack

# Clave-N-Spray™ and Euro Spray™

- Use as cleaner and lubricant before and after sterilization (two can set color code for before and after).
- Euro Spray lubricant refill for European handpieces (such as KaVo), turbines and motors. KaVo adapter snaps on for easy use on KaVo handpieces or similar connectors.

31000.....	Clave-N-Spray cleaner/lubricant, 2 – 8.8 ounce can set
31020.....	Euro Spray cleaner/lubricant 11.7 ounce can

## ADAPTERS AND GASKETS



79061



79060

## Adapters

79060.....	Adapter for 2- or 3-hole handpiece to 4-hole connector/tubing
79061 .....	Adapter for 4-hole handpiece to 2-hole connector/tubing
79062 .....	Adapter for 4-hole handpiece to 3-hole connector/tubing



79004



79000



79006



57400

## Gaskets for Handpieces

- Backend gaskets for 2, 3, 4-hole and fiber optic handpieces
- Gaskets made of high temperature synthetic material
- Highspeed gaskets are made with raised areas for an excellent seal
- All gaskets are fully autoclavable/chemiclavable

79006 .....	5-hole gasket
79008 .....	5-hole gasket bulk bag of 25
79004 .....	4-hole gasket
79005 .....	4-hole gasket bulk bag of 25
79000 .....	2/3-hole gasket
79001 .....	2/3-hole gasket bulk bag of 25
57400 .....	4-hole gasket to fit Little Guy, Little Pro and 20K "E" type motor

## ATHENA CHAMPION REPAIR SERVICES

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- Athena Champion in-house repair service specializes in repairing most manufacturers high and low speed handpieces.
- Repairs are completed and shipped within 48 hours from receipt of handpiece.
- Toll free number (800) 253-1771.
- All types of repairs are performed and replacement parts are autoclavable/chemiclavable.
- See Customer Information for warranties.
- Athena Champion is presently one of the oldest repair centers in the USA.

## Warranty on Repairs

- High/low speed handpieces, contra angles and nosecones: 6 months
- Air scalers and latchheads: 4 months

## Free Estimates

For free repair shipping box, please fax your request to (800) 722-4460 or ship handpiece to (include your dental supplier preference):

Athena Champion  
2621 Corrinado Court  
Fort Wayne, IN 46808

- Athena Champion high speed handpiece repair
- High speed handpieces with conventional chucking system
- High speed handpieces with autochuck (push button, lever, etc.)
- High speed adjust, clean, oil and test
- Nosecone and contra angle overhaul
- Low speed overhaul
- Low speed adjust, clean, oil and test
- Nosecone and contra angle clean, oil and test
- Re-thread low speed handpiece connector
- Convert Little Guy coastal connector to Midwest connector
- Convert Little Guy to quick disconnect
- Air scaler repair
- Air Scaler repair/replace spindle

Call (800) 253-1771 to check on the status of a handpiece repair.

## CUSTOMER INFORMATION & WARRANTIES

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- Before operating the handpiece and/or component, always carefully read and follow the manufacturer's instructions for use. These are the procedures the manufacturer recommends for the best performance of the instrument.
- The air pressure should not exceed 32 PSI for high speed handpieces and 45 PSI for low speed handpieces.
- Use only bur changing tools supplied with the handpiece.

### Marketing Policy

Athena Champion products are sold through full service dental suppliers, authorized repair centers, teaching and government institutions.

### Warranties

Athena Champion warrants its products to the original purchaser against defective workmanship and materials under normal installation, use and service. Unless specifically noted, warranties are as follows:

- Two Years: Little Guy and Little Pro low speed handpieces.
- One Year: "E" style low speed motors, all low speed contra angles, all low speed nosecones/straight attachments, and Fiber-Brite Systems.
- Six (6) Months: All high speed handpieces, high speed replacement cartridges, contra angle heads and standard "U" style attachments.

Warranty applies from date of invoice to end user. All warranty claims must be sent to Athena Champion for evaluation. Warranty claims are limited to replacement or repair at the option of Athena Champion. No other written or implied warranty exists including warranty of merchantability or warranty of fitness.

### Terms of Sale

Athena Champion reserves the right to make price changes without notice. All orders are subject to a handling fee. There will be a 20% surcharge on all orders under \$30.00. All shortages must be reported to Athena Champion within 7 days. Dental suppliers are on credit card terms for the first 12 months and will be evaluated for Net 30 terms after this period. For open accounts, payments past 30 days are subject to a 20% annual finance charge. Shipments may not be made to dental supplier who have past due balances. Repeated violations of our credit terms may result in a change of the dental supplier's credit status. Terms of Sale subject to change at Athena Champion discretion.

### Return Policy

Prior to returning a product, an RGA (return goods authorization) number must be issued by Athena Champion. Only returns within 6 months from date of purchase will be considered. Product returned after 30 days and product ordered incorrectly is subject to 20% processing charge. Invoice with serial number if applicable must be provided on all returns. Open packaging and used product are subject for evaluation for credit, exchange, or repair this decision will be made by Athena Champion if applicable. Piece parts are not returnable. Returns must be prepaid.

### Force Majeure

Athena Champion will not be liable for failure to perform on any contract or to supply products due to strikes, acts of God, interruptions in transportation, inability to obtain supplies of raw materials, product shortage, or causes beyond our control.

Athena Champion is a specialized distributor of handpieces, turbines, replacement parts, burs, chemicals, accessories and related products. All parts and accessories are manufactured to meet or exceed OEM specifications. For quality, service and price, specify Athena Champion.

# ATHENA CHAMPION™

2621 Corrinado Court • Fort Wayne, IN 46808

(800) 253-1771 • (260) 373-1917

FAX (800) 722-4460 • FAX (260) 373-0395

[www.athenachampion.com](http://www.athenachampion.com)