

For more information and to order,  
contact your Dentsply Sirona representative  
directly, or call 800.800.2888

[dentsplysirona.com/instruments](https://dentsplysirona.com/instruments)

© 2019 Dentsply Sirona Inc. All Rights Reserved.

## Go Midwest® Air-Driven Handpieces

**Enabling Technologies**  
CAD/CAM  
Imaging  
Treatment Centers  
Instruments

THE DENTAL  
SOLUTIONS  
COMPANY™

 **Dentsply  
Sirona**  
Midwest

THE DENTAL  
SOLUTIONS  
COMPANY™

 **Dentsply  
Sirona**  
Midwest



# Advancing the Legacy

Innovation based on our proven legacy of market-leading support and trusted handpieces



## About Midwest

For nearly 100 years, dental professionals have relied on Midwest as a trusted partner, providing personalized service and solutions tailored to their specific practice needs. An established history and legacy of clinically proven products, along with exceptional education, training, and customer responsiveness, makes Midwest your ideal choice for innovative and dependable air-driven instruments.

## Air-Driven Handpieces

Our comprehensive line of air-driven handpieces helps ensure that you deliver quality treatment in a relaxed, confident manner to achieve outstanding results. Go Midwest for precise control, quiet operation, and peak cutting power.



## Education

Midwest offers a curriculum of education courses in a variety of formats, including onsite, online, and on location at the new Dentsply Sirona Academy, outfitted with Midwest handpieces and attachments.



## Support

Your Dentsply Sirona Midwest Specialist partners with your practice, knows how you prefer to do dentistry, and serves as a trusted advisor for you and your team.



## Innovation

With a nearly 100-year history of technological innovation and leadership, Dentsply Sirona Midwest continues to be trusted and reliable in high-speed air, low-speed air, and electric handpieces, motors, and attachments.



## Service

MIDWEST® AIR REPAIR<sup>SM</sup> Service expedites handpiece repairs to help keep your practice running smoothly, efficiently, and productively.

[dentsplysirona.com/instruments](https://dentsplysirona.com/instruments)



# Midwest® High-Speed Handpieces

## Tradition®



	Midwest Tradition® TC Push Button Sirona Backend	Midwest Tradition® TB Push Button Fixed Backend	Midwest Tradition® TL Lever Fixed Backend	Midwest Tradition® Pro TCF Push Button KaVo Backend	Midwest Tradition® Pro TBF Push Button Fixed Backend	Midwest Tradition® Pro TLF Lever Fixed Backend
Part No	770344	790344	780344	770445	790345	780345
Watts (approximate)	20	25	25	20	25	25
Sound*	61 dBa	61 dBa	61 dBa	61 dBa	61 dBa	61 dBa
Free Speed*	410,000 RPM	410,000 RPM	410,000 RPM	410,000 RPM	410,000 RPM	410,000 RPM
Water ports	4	1	1	4	1	1
Fiber Optic	No	No	No	Yes	Yes	Yes
Bearing Type	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Weight	< 55 grams	< 50 grams	< 50 grams	< 55 grams	< 50 grams	< 50 grams
Head Size (Diam. x Ht)	10.2 x 12.7	10.2 x 12.7	10.2 x 14.2	10.2 x 12.7	10.2 x 12.7	10.2 x 14.2
Maximum Bur Length	21.0 mm	21.0 mm	21.0 mm	21.0 mm	21.0 mm	21.0 mm
Warranty	1 year	1 year	1 year	1 year	1 year	1 year
Replaces		790044, 770044	464004, 484004, 750044, 780044	770345	790045, 770045	730014, 780014, 750045, 780045

\*approximate values, free speed and sound measured without water spray

## Stylus® Plus



	Midwest Stylus® Plus SPM Sirona Backend	Midwest Stylus® Plus SPS Sirona Backend	Midwest Stylus® Plus SPN NSK Backend	Midwest Stylus® Plus KaVo Backend
Part No	792400	792410	792420	792430
Watts (approximate)	20.5+	20	20	20
Sound*	60 dBa	60 dBa	60 dBa	60 dBa
Free Speed*	410,000 RPM	410,000 RPM	410,000 RPM	410,000 RPM
Water ports	4	4	4	4
Fiber Optic	Yes	Yes	Yes	Yes
Bearing Type	Ceramic	Ceramic	Ceramic	Ceramic
Weight	< 55 grams	< 55 grams	< 55 grams	< 55 grams
Head Size (Diam. x Ht)	10.2 x 12.7	10.2 x 12.7	10.2 x 12.7	10.2 x 12.7
Maximum Bur Length	21.0 mm	21.0 mm	21.0 mm	21.0 mm
Warranty	2 year	2 year	2 year	2 year
Replaces	790500, 791500, 792500, 792300, 790300, 791300, 770244, 770245			790330, 791330, 792330, 790530, 791530, 792530

\*approximate values, free speed and sound measured without water spray

## Phoenix®



	Midwest® Phoenix® Midwest Backend	Midwest® Phoenix® Sirona Backend	Midwest® Phoenix® NSK Backend	Midwest® Phoenix® K-style Backend	Midwest® Phoenix® ZR Midwest Backend	Midwest® Phoenix® ZR K-style Backend	Midwest® Phoenix® Pro ATC Backend
Part No	791400	791410	791420	791430	793400	793430	884310
Watts (approximate)	20+	20+	20+	20+	23+	23+	27+
Sound*	59 dBa	59 dBa	59 dBa	59 dBa	58 dBa	58 dBa	59 dBa
Free Speed*	410,000 RPM	410,000 RPM	410,000 RPM	410,000 RPM	370,000 RPM	370,000 RPM	330,000 RPM
Water ports	4	4	4	4	4	4	4
Fiber Optic	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bearing Type	Diamond-like carbon-coated (DLC) Ceramic	Diamond-like carbon-coated (DLC) Ceramic	Diamond-like carbon-coated (DLC) Ceramic	Diamond-like carbon-coated (DLC) Ceramic	Diamond-like carbon-coated (DLC) Ceramic	Diamond-like carbon-coated (DLC) Ceramic	Diamond-like carbon-coated (DLC) Ceramic
Weight	< 55 grams	< 55 grams	< 55 grams	< 55 grams	< 65 grams	< 65 grams	< 55 grams
Head Size (Diam. x Ht)	10.2 x 12.7 mm	10.2 x 12.7 mm	10.2 x 12.7	10.2 x 12.7	11.9 x 13.0	11.9 x 13.0	10.2 x 12.7
Maximum Bur Length	21.0 mm	21.0 mm	21.0 mm	21.0 mm	25.0 mm	25.0 mm	21.0 mm
Warranty	2 year	2 year	2 year	2 year	2 year	2 year	2 year
Replaces							881300, 882300

\*approximate values, free speed and sound measured without water spray

# Midwest® Low-Speed Motors and Attachments

## Motors

	Rhino XP® Single Speed Air Motor	Shorty® Single Speed Air Motor	Shorty® Two Speed Air Motor
Part No	760034D	710027D	710024D
Speed Range (RPM)	0-6,500 RPM	0-6,000 RPM	0-6,000 RPM 0-30,000 RPM
Direction	Forward/Reverse Option	Forward/Reverse Option	Forward/Reverse Option
Optics	Non-Fiber Optic	Non-Fiber Optic	Non-Fiber Optic
Hose type	4-hole connection	4-hole connection	4-hole connection
Motor Warranty	1 Year	1 Year	1 Year



## Attachments

	Straight Attachment	Contra Angle Sheath	Push Button Contra Angle Head Friction Grip	Push Button Contra Angle Head Latch Type	Prophy Contra Angle Head	Prophy Right Angle Sheath	Prophy Right Angle Head	Universal Style Adapter
Part No	720005	710074	720475	720485	720446	710078	720445	760020
Gear Ratio/Speed	1:1	1:1	Upper Speed Ranges	Lower Speed Ranges	Lower Speed Range	1:1	Lower Speed Range	1:1
Attachment Type	Rhino or Shorty	Rhino or Shorty	Contra Angle Sheath	Contra Angle Sheath	Contra Angle Sheath	Rhino or Shorty	Right Angle Sheath	Rhino or Shorty
Weight	50 grams	22 grams	14 grams	14 grams	14 grams	30 grams	4 grams	14 grams
Length	91 mm	79 mm	37 mm	37 mm	36 mm	92 mm	16 mm	46 mm



# Midwest® Tradition® Series

## Go Midwest for Proven Reliability

### Upgraded Power & Sound

The Tradition® and Tradition® Pro feature a new rotor and ceramic bearing set that provide significant power upgrades without requiring additional air pressure. This makes integrating into your current inventory of handpieces easier than ever. All new solid glass fiber optics are designed to resist yellowing and improve light transmission. An improved lever chuck option has been completely redesigned for ease of operation.



#### Tradition® TC Push Button

Ceramic bearing set reduces noise and makes possible a one-year warranty—twice that of classic Tradition®

New coupler options with 4-port water spray

#### Tradition® TB Push Button Fixed Backend

Fixed backend models deliver up to 25 watts of power—50% more than previous Tradition® generations

Ceramic bearing set reduces noise and makes possible a one-year warranty—twice that of classic Tradition®

Push Button Option



#### Tradition® TL Lever Fixed Backend

Fixed backend models deliver up to 25 watts of power—50% more than previous Tradition® generations

Ceramic bearing set reduces noise and makes possible a one-year warranty—twice that of classic Tradition®

Lever Option

#### Tradition® Pro TCF Push Button

Ceramic bearing set reduces noise and makes possible a one-year warranty—twice that of classic Tradition®

New coupler options with 4-port water spray

Pro versions have all new solid glass fiber optics



#### Tradition® Pro TBF Push Button

Fixed backend models deliver up to 25 watts of power—50% more than previous Tradition® generations

Ceramic bearing set reduces noise and makes possible a one-year warranty—twice that of classic Tradition®

Pro versions have all new solid glass fiber optics

Push Button Option

#### Tradition® Pro TLF Lever Fixed Backend

Fixed backend models deliver up to 25 watts of power—50% more than previous Tradition® generations

Ceramic bearing set reduces noise and makes possible a one-year warranty—twice that of classic Tradition®

Pro versions have all new solid glass fiber optics

Lever Option

#1 Selling Brand in America\*

Distinctive Tradition grip

Multiple Chuck Options

Upgraded Power and Sound

\*Data on File



# Midwest® Stylus® Plus Series

Go Midwest for Added Performance

## Performance under pressure

Stay in control with the Midwest Stylus Plus. Dynamic Speed Control in the head limits free speed to protect bearings against excessive RPMs at higher pressures. This also translates to lower noise without impacting peak cutting power.

### Stylus® Plus

Rotor design provides up to 30% more power than previous Stylus generations

Dynamic speed control in the head helps maintain cutting power while also protecting against excessive speeds that can cause premature bearing wear

Patented bearing design, computer-balanced rotor, and tuned air flow work together to minimize vibration and noise for a more pleasant work environment

4-port waterspray  
Solid glass fiber optics

- Ceramic bearings
- Multi-port water spray
- Dimpled grip
- Dynamic Speed Control

# Midwest® Phoenix® Series

Go Midwest for Instruments of Power

## Today's technology for today's materials

Only Midwest offers patented Dynamic Speed Control that limits free speed, but does not limit power. Tuned air flow in the head manages rotor speed to help protect bearings and limit noise generation, even at higher psi.

### Phoenix®

Mini-head in multiple backend configurations  
20 watts of power  
4-port waterspray  
Solid glass fiber optics

### Phoenix® Pro

Mini-head with ATC Backend offering 30% more power vs current Stylus ATC handpiece  
4-port waterspray  
Solid glass fiber optics

### Phoenix® ZR

Larger head accommodating 25mm length burs and designed for solid zirconia crown removal and crown prep  
Larger head size for maximum power  
Deeper chuck for 25mm length burs  
Lower free-speed for reduced sound  
23 watts of power  
4-port waterspray  
Solid glass fiber optics

- Diamond-like carbon-coated bearings reduce friction and enhance performance
- Titanium-coated sheath for enhanced tactile feel
- Multi-port water spray
- Distinctive diamond pattern grip

# Midwest® Low-Speed Series

Go Midwest for Precise Control and Quiet Operation











# Attachments

Go Midwest for Precision Attachments

Motors that put  
dentistry in motion

Midwest low-speed air motors provide precision control and quiet operation, along with easy attachment of all modular angle components.

Midwest® Attachments offer smooth and easy startup, precision control, and quiet operation from air motors.

Rhino® XP Single-Speed Motor	Shorty® Single-Speed Air Motor	Shorty® Two-Speed Air Motor	Straight Attachment	Contra Angle Sheath	Push Button Contra Angle Heads	Prophy Contra Angle Head	Prophy Right Angle Sheath	Prophy Right Angle Head	Universal Style Adapter
<p>0-6,500 RPM range with outstanding power at any speed</p> <p>High-torque vane motor with exceptional responsiveness</p> <p>Lightweight for better handling and comfort</p> <p>Easy attachment of all modular angle system components</p> <p>Forward and reverse operation</p>	<p>Single-speed air motor operates at 0-6,500 RPM</p> <p>Angled backend designed to reduce hose drag</p> <p>Forward and reverse operation</p>	<p>Two-speed air motor operates at 0-6,000 RPM in lower speed range and 0-30,000 RPM in upper speed range</p> <p>Angled backend designed to reduce hose drag</p> <p>Forward and reverse operation</p>	<p>Straight attachment for use with Shorty and Rhino XP</p>	<p>Contra Angle Sheath for use with Shorty and Rhino XP</p> <p>Recommended for upper and lower speed ranges</p>	<p>Recommended for upper and lower speed ranges</p> <p>Push-button latch type head or friction grip type head</p>	<p>Recommended for lower speed range only</p>	<p>Prophy Right Angle Sheath for use with Shorty and Rhino XP lower speed range only</p>	<p>Lower speed range only</p>	<p>Universal Style Adapter for use with Shorty and Rhino XP</p> <p>Accepts disposable prophy angles</p>
									





**Go Midwest for the personalized service, dedicated Specialists, and instruments you need to provide the best possible care.**

As a leader in the development of rotary instruments and handpieces, with nearly 100 years of innovation in high-speed, low-speed, and electric solutions, Dentsply Sirona Midwest and your Midwest Specialist understand how important the right instruments are to achieving the best results in all dental disciplines.

# MIDWEST® AIR REPAIR<sup>SM</sup> Service

Factory certified service ensures peak performance

MIDWEST AIR REPAIR Service is available to US dental offices and dental institutions. Call 800.800.7202 or visit [www.MidwestAirRepair.com](http://www.MidwestAirRepair.com) for more information.



**Call Your Dentsply Sirona Distributor Rep**

Obtain a “Repair Purchase Order”



**Fill Out Our Online Service Request Form**

Fill it out thoroughly. All warranty claims **MUST** include invoice.



**Print Out Our Online Service Request Form**

Must be included with your handpiece to avoid delays.



**Print Out UPS Shipping Label**

Hand to UPS driver.

**REPAIR TO FACTORY SPECS**

plus thorough disassembly and cleaning

**GENUINE MIDWEST PARTS**

for lasting handpiece performance

**FACTORY WARRANTY**

handpiece overhauls and turbine replacements

**FREE SHIPPING**

shipping and handling is included with paid repair