

Choose the power that's right for your practice.

Midwest Phoenix™ Series

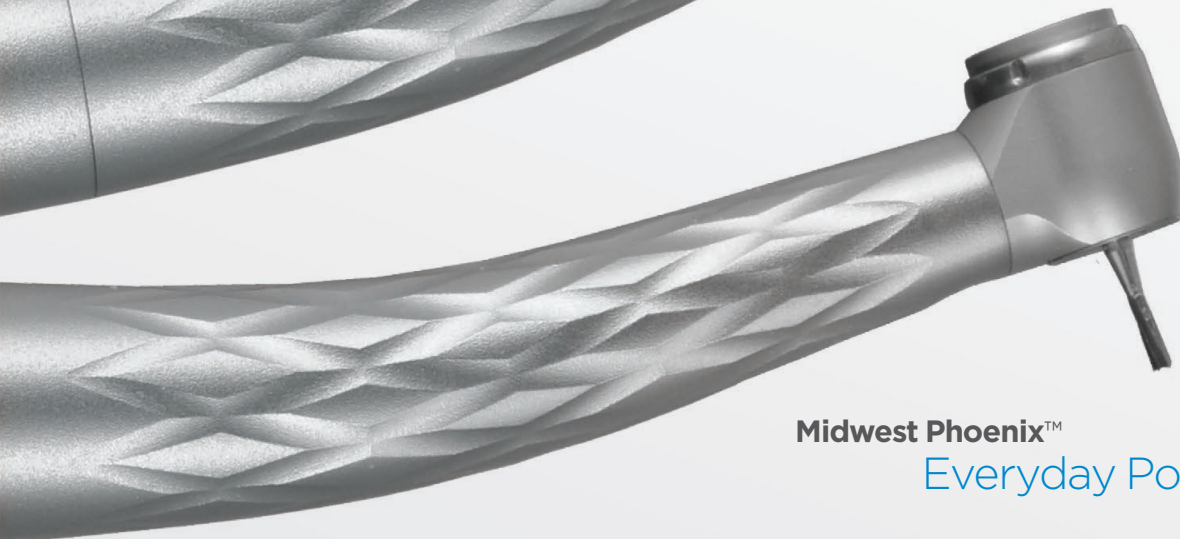
Midwest Phoenix™ Pro
Maximum Power



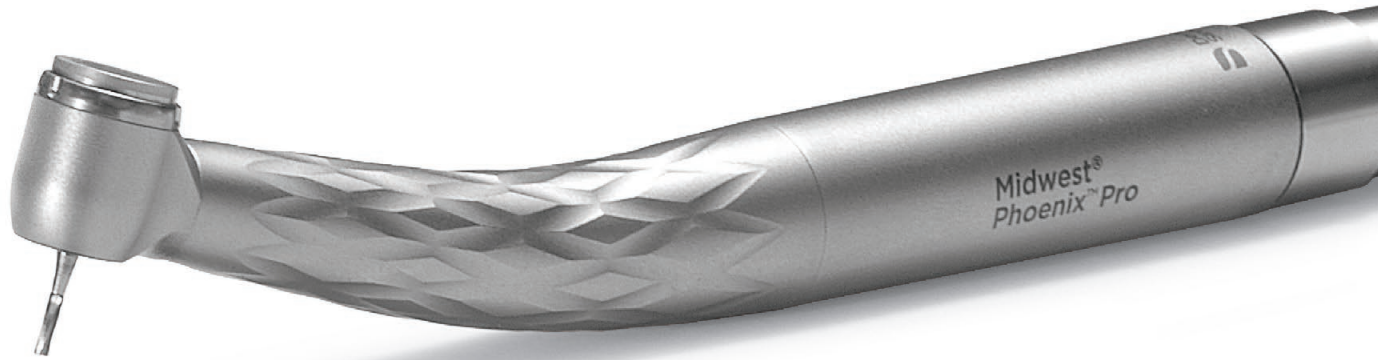
Midwest Phoenix™ ZR
Extra Power



Midwest Phoenix™
Everyday Power



Midwest Phoenix™ Pro



Introducing the new Midwest Phoenix™ Pro for the ultimate cutting experience. Used in combination with the Midwest electronically controlled air supply system that actively listens to the handpiece and continuously optimizes air flow to virtually eliminate stalling and the need to feather during heavy cutting. The microphone in the coupler relays constant information to the system, adjusting as needed to maintain consistent cutting. The system limits free speed to 330,000 RPM for reduced bearing wear and less noise — only 58 dBa.

The small head size of 10.2mm diameter by 12.7mm height is precisely guided by the all new diamond grip. Grip surfaces are designed for improved tactile control from a wide latitude of finger positioning. The entire grip and sheath are covered with a unique titanium coating to enhance grip and provide additional resistance to abrasion and chemicals. A tuned 4-port water spray keeps the tooth cooled while efficiently clearing bur debris from multiple angles.

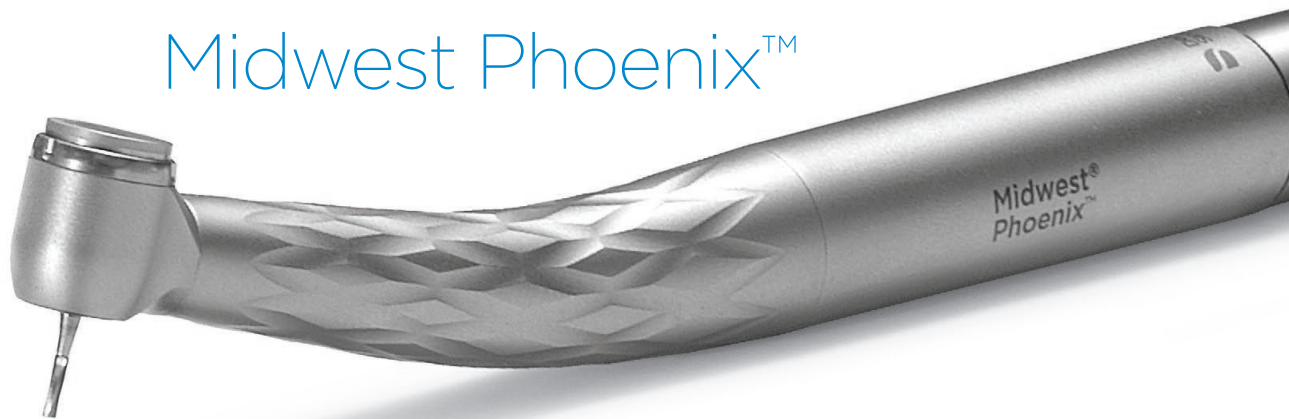
Diamond-like carbon-coated (DLC) ceramic bearings in all new Midwest Phoenix™ handpieces reduce friction and enhance bearing performance. Warranty coverage is expanded to 30 months when maintained with the Midwest Automate® Maintenance System.



The Midwest Automatic Torque Control system drives the Midwest Phoenix™ Pro handpiece. For little more than the cost of a new hose, you can supercharge your cutting experience with an electronically controlled air valve. System is ideal for powering through crown preps, crown removals and removing old amalgam fillings.

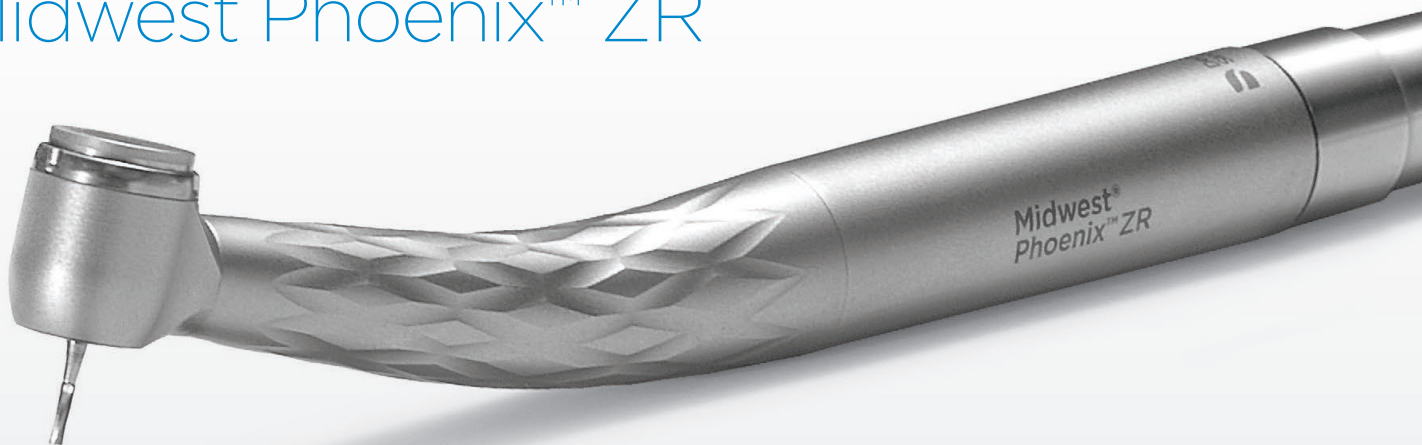


Midwest Phoenix™



For standard coupler connections without a control system, the Midwest Phoenix™ handpiece offers 20+ watts of power at approximately 62 dBa of sound. Built with DLC coated ceramic bearings and titanium protected grip, the small head size of 10.2mm diameter by 12.7mm height provides generous power for typical preparations. Featuring a new diamond grip and tuned 4-port water spray. Free speed is approximately 410,000 rpm dependent upon coupler connection.

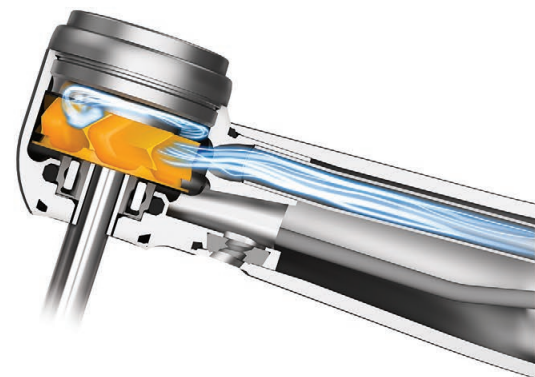
Midwest Phoenix™ ZR



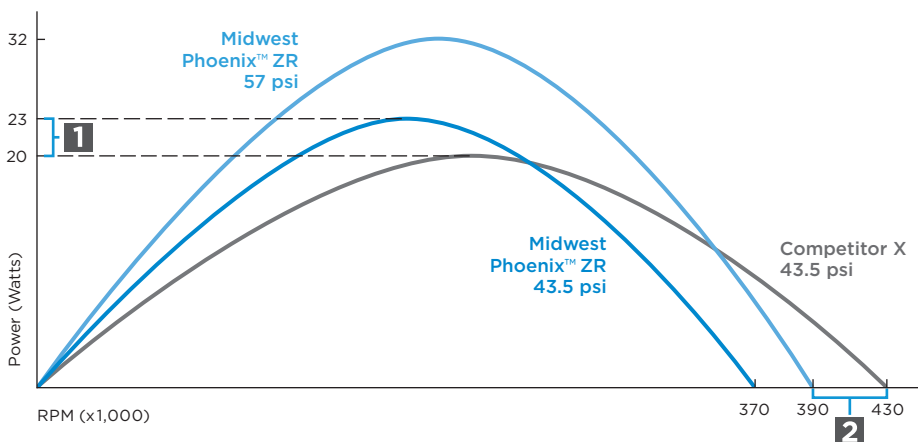
The all new Midwest Phoenix™ ZR has a larger head — 11.9mm diameter by 13mm height — designed to provide the extra power needed to cut through modern materials like solid zirconia crowns. The deeper chuck is ideal for accommodating side load force from 25mm length burs and the DLC coated ceramic bearings are protected by a dynamic speed control feature in the head. At nominal pressure the free speed is limited to approximately 370,000 rpm. A titanium coating on grip and sheath enhance tactile control while also maximizing scratch and chemical resistance. Available in standard Midwest and K-style coupler options.

Performance Under Pressure

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.



Midwest Phoenix™ ZR vs. Competitor X*



- 1 Get more power with Midwest Phoenix ZR. Compared to a competitive handpiece at the same psi, Midwest Phoenix ZR delivers 15% more power.
- 2 Without the Midwest Dynamic Speed Control, excessive free speed can cause bearing damage and create unnecessary noise. Even at the elevated pressure of 57 psi, the Midwest Phoenix ZR still has a lower free speed than the competitive handpiece running at a much lower pressure.

	Watts	Sound	Head Size Diam. x Ht. (mm)	Free Speed	Maximum Bur Length	Coupler Options
Midwest Phoenix™ Pro	27+	58dBa	10.2 x 12.7	330,000 RPM	21.0mm	ATC Proprietary
Midwest Phoenix™ ZR	23+	60dBa	11.9 x 13.0	370,000 RPM	25.0mm	Midwest, Kavo
Midwest Phoenix™	20+	62dBa	10.2 x 12.7	410,000 RPM	21.0mm	Midwest, Sirona, NSK, Kavo

Values are approximate and will vary dependent on coupler type and air pressure.

Order Information

Midwest Phoenix™ Series High-Speed Handpieces

2-year warranty; 2.5 years when maintained with Midwest Automate®.

791400	Midwest Phoenix™ — Midwest backend
791410	Midwest Phoenix™ — Sirona backend
791420	Midwest Phoenix™ — NSK backend
791430	Midwest Phoenix™ — K-style backend
793400	Midwest Phoenix™ ZR — Midwest backend
793430	Midwest Phoenix™ ZR — K-style backend
884310	Midwest Phoenix™ Pro — ATC backend

Couplers

790245	5-Hole Coupler — Midwest style
790246	6-Pin Coupler — Midwest style
790335	KS5 5-Hole Coupler — K-style
790336	KS6 6-Pin LED Coupler — K-style

ATC Control Source Kit

880700	Control Source, Coupler/Tubing, Power Supply, Installation Kit, Maintenance Kit
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Midwest Automate® Automated Maintenance Unit

380200	Midwest Automate® Unit
380090	Midwest Style Maintenance Coupler
380450	K-style Maintenance Coupler
380480	NSK Maintenance Coupler
380510	Sirona Maintenance Coupler
880090	Phoenix Pro/ATC Maintenance Coupler
380520	Absorption Pad (6 Pack)
380180	Midwest Plus™ Automate Spray Can



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