

# Guide to Dental High-Speed Handpieces



The Midmark® Dental High-Speed Handpiece was created with you—the operator—in mind. Its lightweight and durable construction was designed to enhance ergonomics while withstanding the rigors of everyday use.

## ROBUST DESIGN

Midmark dental high-speed handpieces come with integrated lighting to illuminate the oral cavity. The head design allows for a wider turbine bearing to better support longer burs and the integration of multiple water spray ports to enhance bur/tooth cooling during procedures.

## KEY FEATURES

The lightweight dental high-speed handpiece includes:

- Ergonomic design with a gentle bend radius and optimized grip diameter for better control.
- Non-slip grip to reduce sliding.
- Optional swivel to reduce hand and wrist fatigue.
- LED light (similar to daylight) improves visibility within the oral cavity. *Integrated with AH9000 mobile dental delivery models.*

## BEST PRACTICES

Discard your carbide burs after each oral surgery procedure. Burs quickly become dull and using dull burs when sectioning a tooth or removing bone will require more force, which causes strain on the chuck and turbine and can shorten the life of your handpiece.

**Note:** Diamond burs can be sterilized and re-used.

Handpieces and turbines wear down over time. It is important to equip your clinic with two high-speed handpieces, one in use and one as a backup, along with a spare turbine to prevent costly downtime and cancelled procedures. Follow daily maintenance and cleaning recommendations with Midmark Handpiece Cleaning and Conditioning Spray to help maximize the life of your handpieces.



## YOU'RE SUPPORTED

Midmark experts train you and your team to become proficient with your dental equipment.

Midmark Academy<sup>SM</sup> offers RACE<sup>®</sup>-approved training, delivered by dental and anesthesia experts, to help grow your practice and improve the health of your patients. Learn more at [midmarkacademy.com](https://www.midmarkacademy.com).



Check out our free dental handpiece training videos

# MIDMARK DENTAL HIGH-SPEED HANDPIECE SPECIFICATIONS



<b>Head Length</b>	14.65 mm
<b>Head Diameter</b>	13 mm
<b>Overall Weight</b>	Non-swivel 4-hole: 47 grams Non-swivel 5-hole: 48 grams Swivel: 43 grams
<b>Power</b>	20 watts
<b>Speed</b>	360,000 rpm
<b>Light Output</b>	18.425 lux, fiber optics
<b>Water Module</b>	Multi 4-port spray
<b>Warranty</b>	1-Year limited warranty (90 days on chuck)

## MIDMARK DENTAL HIGH-SPEED HANDPIECE MODELS

	Midmark Mobile Dental Delivery System (AH9000 Series)				Midmark 1000 Dental Delivery System (8000 Series)			
	Light Source: LED				Light Source: Halogen			
	-001	-002	-003	-004	-003	-008	-008s	-007s
<b>002-10548-00</b> Standard Head High-Speed Swivel Handpiece, Fiber Optic (Requires Coupler)	○	●	●	○	○	○	●	●
<b>002-10768-00</b> LED 6-pin Swivel Coupler Only		●	●					
<b>002-1995-00</b> Fiber Optic 5-hole Swivel Coupler Only	○			○	○	○	●	●
<b>002-10547-00</b> Standard Head High-Speed Swivel Handpiece, Fiber Optic with 5-hole Coupler	○			○	○	○	●	●
<b>002-10549-00</b> Standard Head High Speed Non-Swivel Handpiece, Fiber Optic	●			●	●	●	○	○

● Standard with Unit ○ Compatible

## POPULAR COMPANION PRODUCTS

- 01** Midmark Mobile Dental Delivery System (AH9000-001, -002, -003, -004)
- 02** 002-10748-00 Midmark Low-Speed Handpiece
- 03** 002-1432-00 Midmark Handpiece Cleaning and Conditioning Spray
- 04** Midmark High-Speed Burs (shown larger than actual size)
  - 016-1204-14 Carbide, Round, FG 1/4, 5/PK
  - 016-1204-00 Carbide, Round, FG 2, 5/PK
  - 016-1204-18 Carbide, Round, FG 2 Surgical Length, 5/PK
  - 016-1204-01 Carbide, Round, FG 4, 5/PK
  - 016-1204-02 Carbide, Round, FG 6, 5/PK
  - 016-1204-03 Carbide, Taper Fissure Cross Cut, FG 701, 5/PK
  - 016-1204-04 Carbide, Taper Fissure Cross Cut, FG 701L, 5/PK
  - 016-1204-09 Diamond, Pointed Football, 831F-016-FG, 1.6 mm, Fine Grit, 5/PK



**Bur Types:** Round burs (FG 1/4, 2, 4, 6) are used primarily for removing alveolar bone, extracting root tips and creating access holes. Surgical length burs (FG 2 SU) are used when extended reach is needed. Cross-cut taper-fissure burs (FG 701, 701L) are used for sectioning teeth. Diamond burs (831F, 869LF) are used for smoothing bone and shaping teeth.

**NOTE:** Carbide burs are for one-time use. Diamond burs can be reused.



For a complete list of available dental delivery supplies and accessories, visit [midmarkserviceparts.com](http://midmarkserviceparts.com).

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Midmark is an ISO 13485 and ISO 9001 Certified Company. Certain products are not included. See the complete list at: [midmark.com/ISO](http://midmark.com/ISO)

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Outside the USA call: 1.937.526.3662 or visit our website: [midmark.com](http://midmark.com)

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