

## Selecting the **Correct** Dental Burs



Midmark offers a large selection of Meisinger™ burs that deliver exceptional quality for sectioning multi-rooted teeth, shaping and removing alveolar bone, extracting root tips, and providing access points in endodontic procedures and restoratives.

### BUR BASICS

The most commonly used burs in veterinary practice are carbide and diamond. The commonly used shank types are:

**FG** Friction Grip – Used in high-speed handpieces

**HP** Handpiece – Used in low-speed handpieces without contra-angles (example: rodent burs)

Burs are available in a variety of sizes and shapes. Smaller numbers indicate smaller heads. Common head shapes are round or taper-fissure, but other shapes are also available.



### TIPS + TECHNIQUES

1. It is not necessary to use much pressure or force when using a high-speed handpiece. When sectioning a tooth, use a light feathering or painting technique. When removing bone, use a gentle gliding technique.
2. Never run a high-speed handpiece without a bur. It can damage the turbine.
3. Improper technique can cause a bur to break. Using the tip of a cross-cut fissure bur instead of the side cutting surface can cause the bur to break.
4. Ensure the bur is seated all the way into the handpiece before use.
5. Condition the high-speed handpiece after each use to break up and flush out debris.



### CARBIDE BURS ARE FOR ONE-TIME USE

*Carbide burs are the most used burs in veterinary dentistry. It is recommended that a new bur be used for each patient. Dull burs can shorten the life of the handpiece bearings and turbine.*

### DIAMOND BURS CAN BE REUSED

*Diamond burs should be cleaned and sterilized between each use.*

# MIDMARK DENTAL BUR SPECIFICATIONS

## BUR TYPES

### ROUND CARBIDE BURS

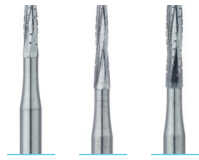


Used primarily for removing alveolar bone, extracting root tips, and creating access holes.

A gentle gliding technique is recommended: apply a feather-light pressure and dispose of the bur after use.

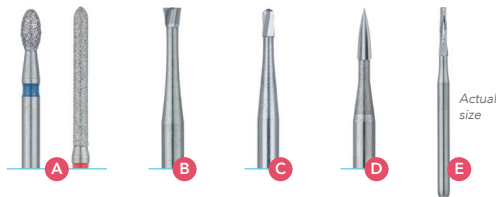
Round burs range in size from FG ¼ to FG 8, FG 8 being the largest. Commonly used sizes are FG ½, FG 2, and FG 4 but plan on having an assortment of sizes on hand to treat all sizes of patients.

### CROSSCUT FISSURE CARBIDE BURS



Used for sectioning teeth, the feather-light painting technique is recommended. An "L" displayed with the bur size (FG701L) designates that it has a longer cutting surface, best for use on larger teeth.

### OTHER COMMON BURS



**A Diamond** Used for smoothing bone and shaping teeth, diamond burs come in many sizes, shapes, and grit. The fine football bur is a great choice for post extraction smoothing.

These burs are reusable, but must be cleaned and sterilized before each use.

**B Inverted-Cone-Shaped Carbide Burs**—Used for undercutting and restorations.\*

**C Pear-Shaped Carbide Burs**—Used to cut enamel and dentin for cavity preparation and to prepare undercuts for restoration retention.\*

**D Trimming and Finishing**—Used for completing restorations.\*

**E Surgical Length Carbide Burs**—Used when a little more reach is needed, surgical burs offer 25 mm length compared to the standard 19 mm. Burs should never be pulled out "just a little" to reach farther, as this can damage the handpiece turbine.\* (*Carbide only*)

\*Be sure to dispose of these burs after each procedure.

### ROUND CARBIDE BURS

- 016-1204-14 Carbide, Round, FG 1/4, 5/PK
- 016-1204-13 Carbide, Round, FG 1/2 Surgical Length, 5/PK
- 016-1204-12 Carbide, Round FG 1, 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
- 016-1204-21 Carbide, Round, FG 4, Short Shank, 5/PK
- 016-1204-22 Carbide, Round, FG 4 Surgical Length, 5/PK
- 016-1204-02 Carbide, Round, FG 6, 5/PK
- 016-1204-26 Carbide, Round, FG 6 Surgical Length, 5/PK
- 016-1204-34 Carbide, Round, FG 8, 5/PK

### CROSSCUT FISSURE CARBIDE BURS

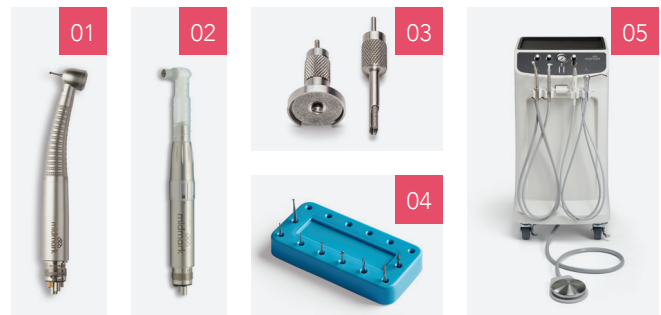
- 016-1204-24 Carbide, Straight Cross Cut Fissure, FG 557, 5/PK
- 016-1204-06 Carbide, Straight Cross Cut Fissure, FG 558, 5 PK
- 016-1204-07 Carbide, Straight Cross Cut Fissure, FG 558L, 5/PK
- 016-1204-28 Carbide, Taper Fissure Cross Cut, FG 699, 5/PK
- 016-1204-03 Carbide, Taper Fissure Cross Cut, FG 701, 5/PK
- 016-1204-04 Carbide, Taper Fissure Cross Cut, FG 701L, 5/PK
- 016-1204-30 Carbide, Taper Fissure Cross Cut, FG 701L Surgical Length, 5/PK
- 016-1204-31 Carbide, Taper Fissure Cross Cut, FG 702, 5/PK
- 016-1204-32 Carbide, Taper Fissure Cross Cut, FG 702L Surgical Length, 5/PK

### OTHER CARBIDE BURS

- 016-1204-20 Carbide, Inverted Cone, FG 35, 5/PK
- 016-1204-05 Carbide, Inverted Cone, FG 36, 5/PK
- 016-1204-19 Carbide, Pear, FG 330, 5/PK
- 016-1204-15 Carbide, Trimming and Finishing, Small Flame, FG 7902, Fine, 5/PK

### DIAMOND BURS

- 016-1204-23 Diamond, Round, 801-014-FG, 1.4 mm, Medium Grit, 5/PK
- 016-1204-27 Diamond, Round, 801-016-FG, 1.6mm, Medium Grit, 5/PK
- 016-1204-09 Diamond, Pointed Football, 831F-016-FG, 1.6 mm, Fine Grit, 5/PK
- 016-1204-36 Diamond, Football, 833-014-FG, 1.4 mm, Medium Grit, 5/PK
- 016-1204-35 Diamond, Egg/Football, 833-016-FG, 1.6 mm, Medium Grit, 5/PK
- 016-1204-37 Diamond, Long Cylinder, 837L-016-HP, 1.6 mm, Medium Grit, 5/PK
- 016-1204-08 Diamond, Torpedo Extra Long, 869LF-014-FG, 1.4 mm, Fine Grit, 5/PK



### POPULAR COMPANION PRODUCTS

- 01** 002-10548-00 Midmark Standard Head High-Speed Swivel Handpiece and 002-10768-00 LED 6-Pin Swivel Coupler
- 02** 002-10748-00 Midmark Low-Speed Handpiece
- 03** Midmark Rodent Dental Bur Kit for use with Midmark low-speed handpiece (002-1277-01), 1:1 nose cone (016-1605-00) and diamond disc (016-1204-10)
- 04** 016-10107-00 Bur Block, 14 Hole, Magnetic
- 05** Midmark Mobile Dental Delivery System

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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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