

TRI HAWK

FOR THE BUR CONNOISSEUR



FINE INSTRUMENT GUIDE

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THE TRI HAWK STORY

IT ALL BEGAN...

...in 1969, when Tri Hawk was founded by Gustel Fischer to distribute dental burs made in his native Europe. Eventually Gustel concluded that his customers deserved a bur that better met their needs for cutting speed, strength and safety. He decided that the only solution was for Tri Hawk to become a manufacturer.

After years of searching, Gustel finally discovered a breakthrough bur design that met his standards. He then built his own bur-milling machines, and in 1986 opened Tri Hawk's first manufacturing facility in Cornwall, Ontario. Four years later, we moved to a larger plant in nearby Morrisburg, where we remain today.

“WE DIG BURS”

This is how Gustel responds whenever he's asked what makes our company special. Burs are the only thing we make, and the only thing we want to make. And as proud as we are of what we do, we aren't satisfied. The way we see it, we're on a never-ending quest for the perfect bur.



GUSTEL FISCHER

IT AIN'T BRAGGIN' IF YOU CAN DO IT

Here are some facts you might appreciate:

- A recent ADA study showed Tri Hawk to be by far the fastest-cutting bur for single-patient use.
- An extensive study by the University of California rated Tri Hawk burs #1 for performance and price.
- Our customers returned only 0.0041% of our burs last year.

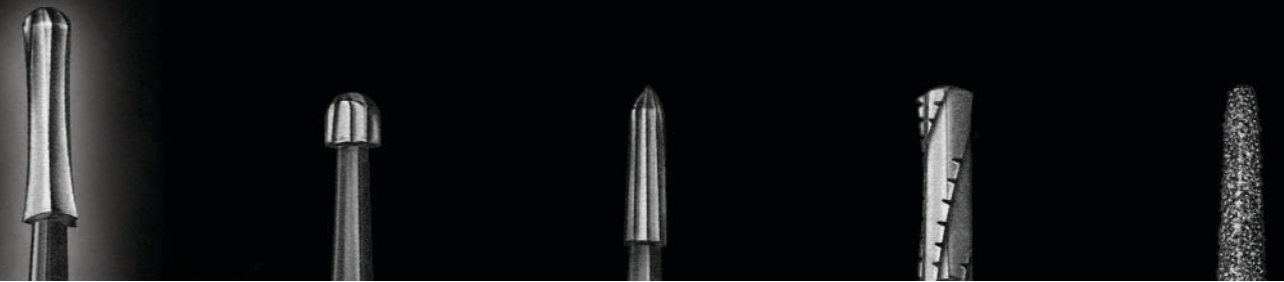
WE'RE NOT FOR EVERYONE

The fact is that not every dentist can appreciate our superiority. To some, “A bur is a bur.” They just don't care that much about having a bur cut faster and more precisely, resist breakage, and maximize safety for patients and staff. Tri Hawk burs aren't for these dentists.

Our burs are for the bur connoisseur.

ARE YOU A BUR CONNOISSEUR?

We hope so! Just the fact that you're reading this suggests you realize how important burs are to the success of your practice. We urge you to try our burs and see for yourself why we're so passionate about what we do.



TALON METAL & CROWN CUTTING BURS

OUR TALON CROWN CUTTERS ARE OVER-THE-TOP. LITERALLY.

Only our Talon line of crown-cutting burs has blades on top of the bur as well as on the side. This allows Talon burs to cut not just horizontally, but vertically as well, which means they cut faster than any crown-cutters you've ever seen.

Here are a few other things that make Talon burs so special:

- A unique hyperbolic (hourglass) shape for even greater cutting speed.
- A single Talon bur can be used for crown prep, cutting and removal, rather than having to use 3 separate burs.
- Cut as fast during the last 10 seconds of the procedure as during the first 10 seconds.
- Cut through both the porcelain and the metal, so there's no need for more than one bur.

In fact, we have yet to come across another crown cutter that offers these features or that can come remotely close to the performance of our Talon line.

And that's why our loyal customers consider our Talon line to be our crowning achievement.



CLASSIC TALON

For clean finish, fewer micro-fractures, and longer life




Fig No.	Talon 08	Talon 10	Talon 12
D (mm)	0.8	1.0	1.2
L (mm)	4.2	4.2	4.2
Regular 19.5mm	T08	T10	T12
Short 16.5mm		T10SS	T12SS

CROSSCUT TALON

For smooth cut but shorter life



Fig No.	Talon X10	Talon X12
D (mm)	1.0	1.2
L (mm)	4.2	4.2
Regular 19.5mm	TX10	TX12

SURGICAL TALON




Fig No.	Talon 10SU	Talon 12SU	Talon 14SU
D (mm)	1.0	1.2	1.4
L (mm)	4.2	4.2	4.2
Surgical 25mm	T10SU	T12SU	T14SU

SURGICAL CARBIDE BURS

STRAIGHT FISSURE



Fig No.	57	58
D (mm)	1.0	1.2
L (mm)	4.2	4.2
Surgical 25mm	57SU	58SU

TAPERED FISSURE



Fig No.	171	172
D (mm)	1.2	1.4
L (mm)	4.2	4.2
Surgical 25mm	171SU	172SU

CROSSCUT STRAIGHT FISSURE

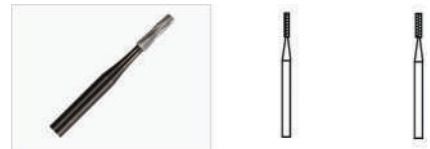


Fig No.	557	558
D (mm)	1.0	1.2
L (mm)	4.2	4.2
Surgical 25mm	557SU	558SU

CROSSCUT TAPERED FISSURE



Fig No.	701	702
D (mm)	1.2	1.4
L (mm)	4.2	4.2
Surgical 25mm	701SU	702SU

ROUND

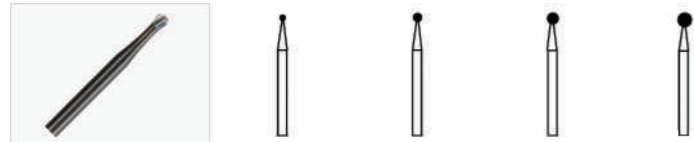


Fig No.	2	4	6	8
D (mm)	1.0	1.4	1.8	2.3
L (mm)	1.0	1.4	1.8	2.3
Surgical 25mm	2SU	4SU	6SU	8SU
Endotonic 22mm		4E		

FINISHING BURS

NEEDLE



Fig No.	7901	7902	7903
D (mm)	0.9	1.0	1.2
L (mm)	3.5	3.5	3.5
Regular 19.5mm	7901	7902	7903

EGG



Fig No.	7404	7406
D (mm)	1.4	1.6
L (mm)	3.5	3.5
Regular 19.5mm	7404	7406

ARE YOU GUYS REALLY SERIOUS ABOUT THIS “BUR CONNOISSEUR” THING?

Okay, we’ll admit that the term “connoisseur” is normally associated with such things as fine wines, rare cigars or gourmet cuisine. In fact, we’ll concede that until we did it, no one in recorded history has probably ever combined the words “bur” and “connoisseur.” Certainly our competitors never have. But then again, their burs aren’t designed like ours. Or manufactured like ours. Or obsessed over like ours.

You have to remember that burs are all we do. All we make. All we think about. We put an awful lot of passion into designing and manufacturing our burs, because we know how much our customers appreciate the special benefits they provide.

So while some people might find it a bit absurd to boldly claim that our products are made “for the bur connoisseur,” we find it perfectly natural.

Plus, we always wanted a tagline that rhymes!



STANDARD CARBIDE BURS

ROUND



Fig No.	1/2	2	4	6	8
D (mm)	0.6	1.0	1.4	1.8	2.3
L (mm)	0.6	1.0	1.4	1.8	2.3
Regular 19.5mm	1/2	2	4	6	8
Short 16.5mm		2SS	4SS		

INVERTED CONE

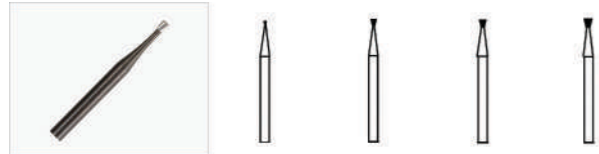


Fig No.	33 1/2	35	36	37
D (mm)	0.6	1.0	1.2	1.4
L (mm)	0.6	1.0	1.2	1.4
Regular 19.5mm	33 1/2	35	36	37
Short 16.5mm	33 1/2SS	35SS		

PEAR



Fig No.	330	331	332
D (mm)	0.8	1.0	1.2
L (mm)	2	2	2
Regular 19.5mm	330	331	332
Short 16.5mm	330SS	331SS	

AMALGAM CUTTER



Fig No.	245
D (mm)	0.8
L (mm)	3
Regular 19.5mm	245
Short 16.5mm	245SS

STRAIGHT FISSURE



Fig No.	56	57	58
D (mm)	0.8	1.0	1.2
L (mm)	4.2	4.2	4.2
Regular 19.5mm	56	57	58
Short 16.5mm	56SS	57SS	

CROSSCUT STRAIGHT FISSURE



Fig No.	556	557	558
D (mm)	0.8	1.0	1.2
L (mm)	4.2	4.2	4.2
Regular 19.5mm	556	557	558
Short 16.5mm	556SS	557SS	

TAPERED FISSURE



Fig No.	170	171
D (mm)	1.0	1.2
L (mm)	4.2	4.2
Regular 19.5mm	170	171

CROSSCUT TAPERED FISSURE



Fig No.	700	701
D (mm)	1.0	1.2
L (mm)	4.2	4.2
Regular 19.5mm	700	701



TESTIMONIALS

“Tri Hawk not only makes the best burs for the money, they make the best burs—period! They are the sharpest, fastest-cutting, most comfortable and ‘easiest on the eyes’ for the clinician.”

– Dr. Mark L. Cannon; Long Grove, IL

“The Tri Hawk Talon metal-cutting burs and Tri Hawk surgical bone-cutting burs speak for themselves and are indeed exceptional in quality and effectiveness. I have not come across any bur that cuts metal and bone and tooth structure with such ease and efficiency ... The Talon 331 carbide burs have reduced my time for removal of amalgams by more than 50%. I endorse these burs as a new standard in dentistry.”

– Dr. Johan Hartshorne; Cape Town, South Africa

“After demonstrating a Talon bur at a trade show, I was immediately convinced of its quality, and have used it ever since. Removing amalgam and cutting through old PFM crowns has never been easier ... The time saved using these excellent burs is considerable.”

– Dr. Reinert Amundsen, DDS; Sandnes, Norway.

OUR STANDARD CARBIDE BURS SET THE NEW STANDARD.

When burs are all you make, or even think about, you tend to come up with great ideas that never dawn on other bur companies. For example:

- Unique blade and rake angle designs to for unsurpassed cutting power.
- Virtual immunity to breakage by using induction welding and our special blend of steel.
- Superior visibility due to an exclusive black shank design that is clearly differentiated from the materials being worked on.
- As with all Tri Hawk burs, individually-wrapped packaging to prevent contamination and damage and enhance user convenience.

Actually, now that we think about it, there really isn't anything standard about our standard burs, is there?

SINGLE PATIENT USE

REFUSE TO REUSE!

We realize that it's tempting to reuse burs on a second or third patient, but this is in neither your patients' best interests nor yours. Here's why:

- 1. Patient safety.** Autoclaving can't completely rid a bur of bio-burden, which puts your patients at risk.¹
- 2. Staff safety.** Cleaning used burs can lead to sharps injuries and possible infections, jeopardizing your staff's health and your bottom line.²
- 3. Cutting speed.** Autoclaving greatly reduces a bur's cutting effectiveness, which makes procedures take longer.³
- 4. Cost savings.** The cost of single-use burs is exceeded by the cost of the staff time spent cleaning and autoclaving used burs... and dwarfed by the cost of a sharps injury or an infected patient.

Tri Hawk is the only bur manufacturer dedicated solely to single-patient-use burs, which deliver a blend of cutting speed, strength and safety unlike any other. Maybe that's why refusing to reuse burs is so easy to get used to.

¹ Dalhousie University; 2005

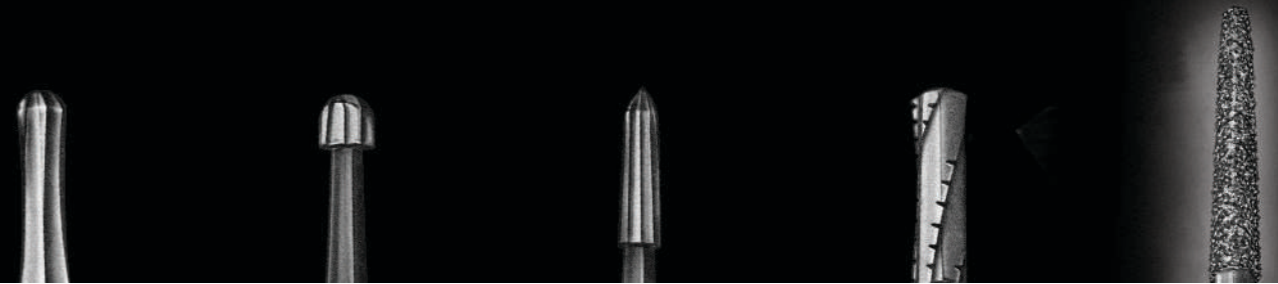
² ADA study on clinical staff injuries; 2007

³ University of California, San Francisco; 1994

THE “NEW MATH”: WHY NEW BURS ARE CHEAPER THAN REUSED ONES!

- 1. Staff time costs:** \$1.50 per bur
 - a. It takes at least 5 minutes for your assistant to clean the bur, put it into the autoclave, and put it into storage.
 - b. Assuming a wage of \$18.00/hour, the cost of these 5 minutes is $(5/60) \times \$18.00 = \1.50
- 2. Materials & energy costs:** \$.50 per bur
 - a. To cover the costs of steel cleaning brush (for carbides) or cleaning block (for diamonds); chemicals; electricity; and sterile bags
- 3. Slower procedure costs:** \$25 per bur
 - a. Assume that a procedure with a used bur takes 5 extra minutes
 - b. Assuming an average chairside revenue rate of \$300/hour, the cost of these 5 minutes is $(5/60) \times \$300 = \25

As you can see, the real cost of a used bur can be up to \$27. It's no wonder a bur connoisseur would never even think about reusing a bur!



DIAMOND BURS

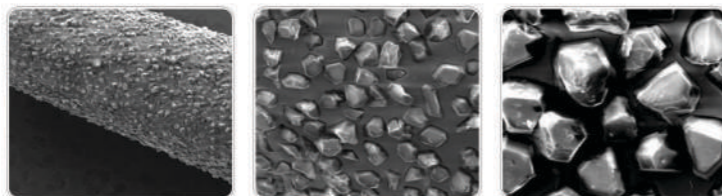
MARILYN MONROE WOULD HAVE LOVED THESE BURS!

While Marilyn Monroe once sang, *"Diamonds Are a Girl's Best Friend,"* we think our diamond burs might be a dentist's best friend.

We start with a carefully selected mix of diamond grits. We also use special Swiss-made stainless steel blanks, which are hardened, turned and ground for maximum precision and minimum vibration.

Every one of our burs is microscopically tested. And they're crafted using an HBN plating method that equally ensures an even, homogenized diamond surface, and an optimal tooth surface. This also minimizes the pressure placed on the turbine, making it easier on your hand-piece—and you.

So when you think diamonds, don't think Tiffany's or Cartier. Think Tri Hawk. And Marilyn Monroe, of course.



Diamond coverage at 100X, 200X, and 400X Magnification

ROUNDS

Fig No.	001	001	001	001
D (mm)	1.0	1.4	1.8	2.2
L (mm)	1.0	1.4	1.8	2.2
Fine				001-022F
Medium				
Coarse	001-010C	001-014C	001-018C	001-022C
Super Coarse				

CYLINDERS

Fig No.	109	111	130	140	141
D (mm)	1.1	1.4	1.2	1.4	1.4
L (mm)	5.0	8.5	8.0	7.0	8.0
Fine					
Medium					
Coarse	109-011C	111-014C	130-012C	140-014C	141-014C
Super Coarse					141-014XC

INVERTED CONE

Fig No.	010	032	225
D (mm)	1.6	1.4	1.6
L (mm)	1.6	2.6	6.5
Fine			
Medium			
Coarse	010-016C	032-014C	225-016C
Super Coarse			

TORPEDO & GINGIVAL CURITAGE

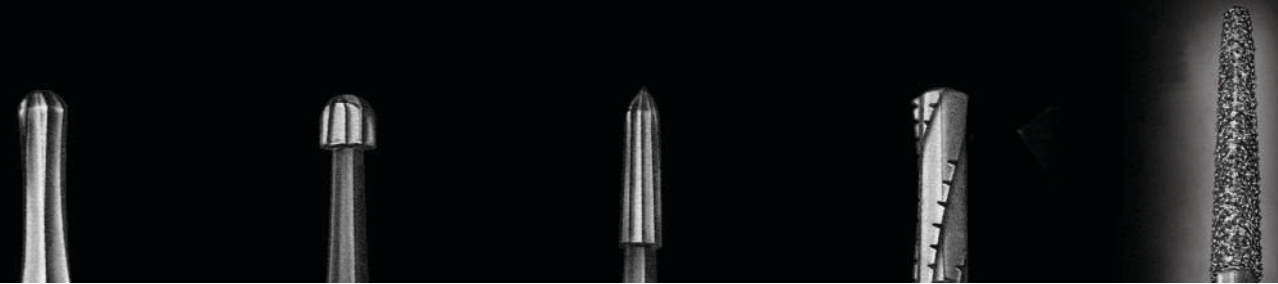
Fig No.	289	289	298	298	298
D (mm)	1.2	1.4	1.4	1.6	1.8
L (mm)	8.0	8.0	8.0	8.0	8.0
Fine	289-012F		298-014F		
Medium					
Coarse	289-012C	289-014C	298-014C	298-016C	298-018C
Super Coarse					

INTERPOXIMAL/SEPARATION

Fig No.	540
D (mm)	1.0
L (mm)	4.0
Fine	540-010F
Medium	
Coarse	
Super Coarse	

GROSS REDUCTION AND SPIRAL

Fig No.	111	198	199	257
D (mm)	1.7	1.8	1.6	2.3
L (mm)	8.0	8.0	10.0	5.0
Fine				
Medium			199SPM	257SPM
Coarse	111GRC	198GRC		
Super Coarse				



DIAMOND BURS

PEARS, FLAMES AND FOOTBALLS



Fig No.	233	249	249	249	257	277	277	035	037
D (mm)	1.2	1.2	1.4	1.6	2.0	1.8	2.3	3.3	3.7
L (mm)	3.2	8.0	8.0	8.0	4.5	4.0	5.0	4.4	7.0
Fine			249-014F		257-020F		277-023F		
Medium	233-012M								
Coarse		249-012C	249-014C	249-016C	257-020C	277-018C	277-023C	035-033C	037-037C
Super Coarse									

SHORT SHANK ROUND



Fig No.	001	001	001
D (mm)	1.0	1.4	1.8
L (mm)	1.0	1.4	1.8
Fine			
Medium			
Coarse	001-010C-SS	001-014C-SS	001-018C-SS
Super Coarse			

SHORT SHANK CYLINDERS



Fig No.	107	140	141
D (mm)	1.1	1.4	1.4
L (mm)	5.0	7.0	8.0
Fine			
Medium			
Coarse	107-011C-SS	140-014C-SS	141-014C-SS
Super Coarse			

CONES AND TAPERS



Fig No.	165	166	166	172	173	197	198	198	199	199	199
D (mm)	1.4	1.4	1.6	1.8	1.6	2.5	1.4	1.8	1.4	1.6	1.8
L (mm)	8.0	10.0	10.0	8.0	10.0	7.0	8.0	8.0	10.0	10.0	10.0
Fine		166-014F			173-016F					199-016F	
Medium											
Coarse	165-014C	166-014C	166-016C	172-018C	173-016C	197-025C	198-014C	198-018C	199-014C	199-016C	199-018C
Super Coarse								198-018XC			

SHORT SHANK TAPERS



Fig No.	166	173	199
D (mm)	1.6	1.6	1.6
L (mm)	10.0	10.0	10.0
Fine			
Medium			
Coarse	166-016C-SS	173-016C-SS	199-016C-SS
Super Coarse			

SHORT SHANK FLAME, FOOTBALL & PT. CHAMFER



Fig No.	249	257	289
D (mm)	1.4	2.0	1.4
L (mm)	8.0	4.5	8.0
Fine			
Medium			
Coarse	249-014C-SS	257-020C-SS	289-014C-SS
Super Coarse			

