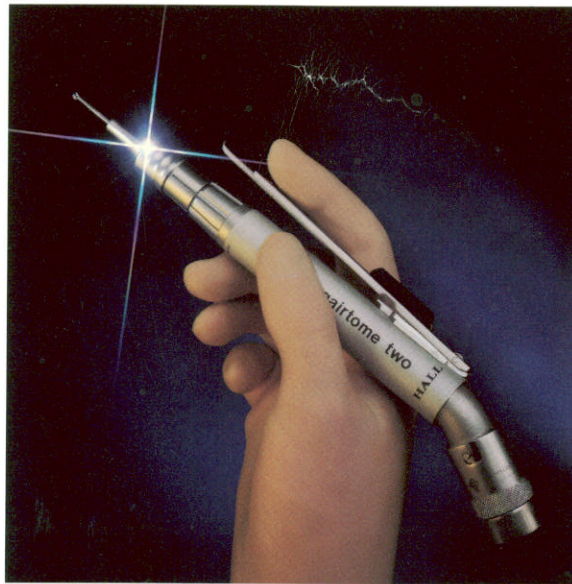


SURGAIRTOME® Two.
A new concept
in high-speed
cutting.



**With power
behind the speed.**

**NOW FEATURING SPECIAL
ORAL SURGICAL BURS.**

Introducing the SURGAIRTOME® Two. Because speed alone isn't enough.

Now, there's an air drill with power to match its speed.

Our SURGAIRTOME® Two Air Surgery Drill is the first high-speed drill capable of producing 1.75 in. oz. of torque (nominal) with a 90,000 RPM speed range.

This means the SURGAIRTOME Two improves the critical speed/torque ratio, enabling you to cut faster, with more power than previous turbine drills.

This major technical advance gives the pneumatic-powered SURGAIRTOME Two optimum efficiency for cutting and sculpting of bone or enamel in all these surgical specialties: oral, podiatry, orthopaedic, neuro, and plastic and reconstructive.

The SURGAIRTOME Two is lube-free for low maintenance—another superb improvement. (This also cuts down on repairs due to improper lubrication.)

And for safety, there's a special Bur Guard Interlock system that prevents the drill from operating without a bur guard attached.

The SURGAIRTOME Two is available with a complete line of burs.

And, there's a complimentary line of attachments that adds versatility to the system.

Speed plus power. Working together in the new SURGAIRTOME Two.

Because speed alone isn't enough.

High speed, more power, and low maintenance. The lube-free SURGAIRTOME® Two.

Our SURGAIRTOME Two is the first high-speed drill that's lubrication-free.

(It's designed to replace the HALL® II Air Drill, which requires routine lubrication and has less power.)

So now, with additional cutting power, you maximize cutting efficiency while reducing maintenance and handling problems.

Plus, better control with special features.

You're always in complete control with the SURGAIRTOME Two.

For example, you have the option of either finger throttle or foot control operation. Whatever the situation demands.

There's a throttle extension lever for better control when working with the extra-long attachments and bur guards...

A Bur Guard Interlock system for safety (the drill will not operate without a guard)...

A twist-lock collet for easier bur insertion and removal...

And a 30° angled swivel hose connector to help balance the drill and keep the hose where it should be—out of the way.

The SURGAIRTOME Two is equipped with a universal hose—the same used on our MICRO™ and ORTHAIR™ Air Surgery instruments.

With the SURGAIRTOME Two, you can make all the right moves. Fast.



Versatility, with a variety of attachments.

The SURGAIRTOME® Two comes with a versatile line of accessory items.

This complete line of attachments (and burs) gives you all the surgical approach and site visualization you need.

Accessories include 90° and 70° Angle Attachments, valuable in difficult surgical approaches with limited access, as in maxillofacial, oral, spinal, and extremity surgery.

Plus, a 20° Angle Attachment and Extra-Long 20° Angle Attachment when extra reach and good visibility are required.

There's also medium, long and extra-long bur guards that stabilize burs for accurate cutting. Medium, where the approach is minimal, long and extra-long where deeper penetration is required.

Specialty bur guards for rhinoplasty, laminectomy and tissue retracting procedures are available.

SURGAIRTOME Two.
Versatile and economical.

A. 20° Angle Attachment, Cat. No. 1375-04

For use when tip of bur must be seen because of its proximity to vital structures. 1375-05 Bur Release included.

B. Extra-Long 20° Angle Attachment, Cat. No. 1375-29

Where deeper penetration into surgical site is necessary, such as in deep lumbar laminectomies. Attachment is over 1.5 in. (4 cm) longer than the 1375-04 20° Angle Attachment. 1375-05 Bur Release included.

C. 70° Contra-Angle Attach- ment, Cat. No. 1375-19

Designed specifically for operative dentistry. Tip can be easily reversed to give 110° angulation. 1375-03 Bur Changer included.

D. 90° Angle Attachment, Cat. No. 1375-02

For difficult surgical approaches with limited access, such as oral and maxillofacial, spinal and extremity surgery. With 1375-03 Bur Changer.

E. Long Bur Guard, Cat. No. 1375-11

Stabilizes long bur in oral and orthopaedic surgical procedures requiring deeper penetration than attainable with 1375-12 Medium Bur Guard.

F. Cloward Extra-Long Bur Guard, Cat. No. 1375-23

For very deep incisions such as anterior cervical spine approach. Guard is marked from 1 to 5 cm in 1 cm increments for gauging depth. Two replaceable bearings stabilize the extra-long burs.

G. Medium Bur Guard, Cat. No. 1375-12

Stabilizes medium bur in numerous cutting, drilling and shaping applications in oral, orthopaedic, podiatric and plastic and reconstructive surgery.

H. Rhinoplasty Bur Guard, Cat. No. 1375-21

Primarily designed for vertical nasal osteotomies. Guard elevates periosteum and soft tissue of the nose for protection from rotating bur.

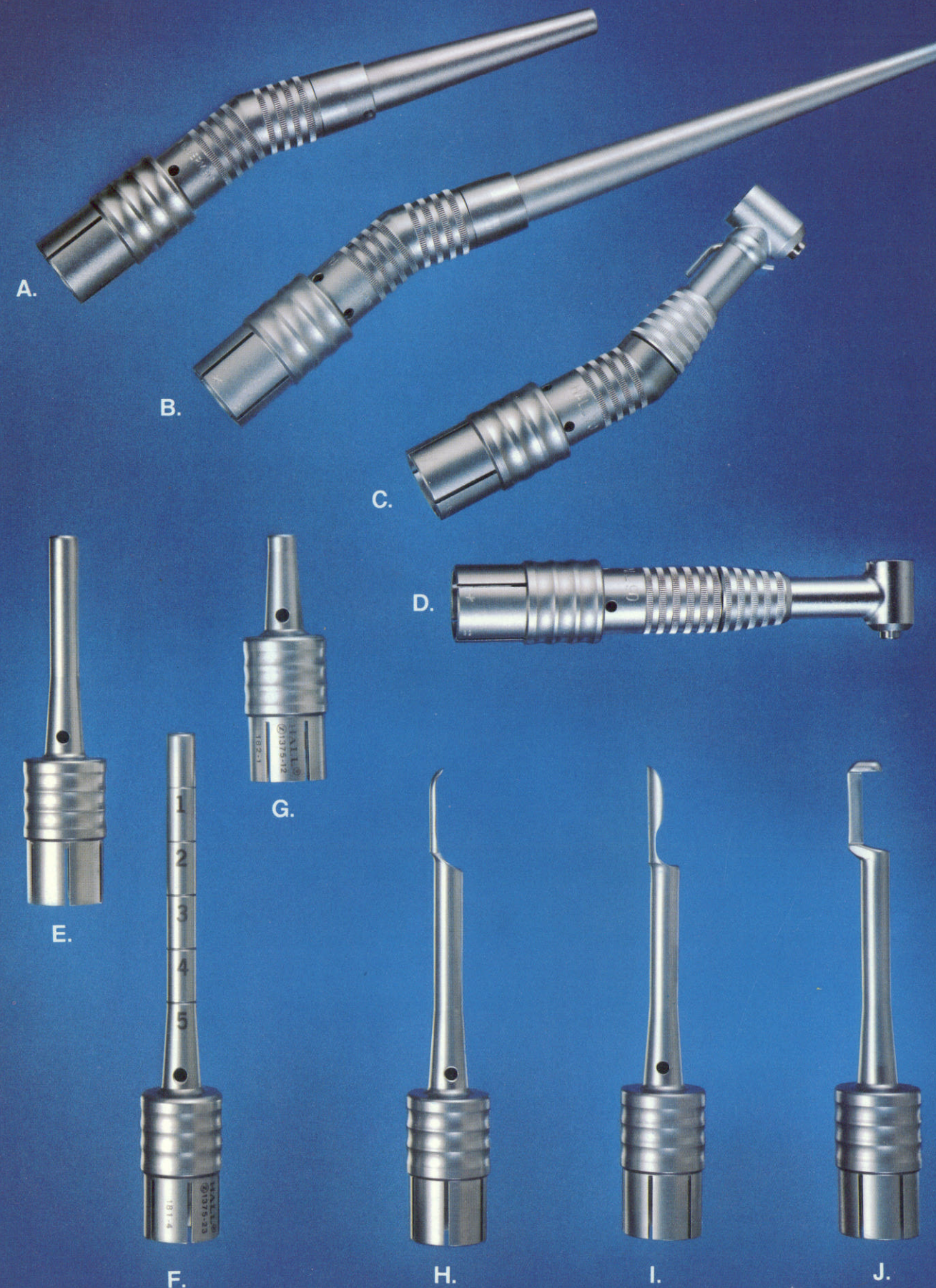
I. Tissue Retractor Guard, Cat. No. 1387-22

Serves as tissue elevator and protector in any confined surgical technique requiring preservation of overlying soft tissue.

J. Laminectomy Bur Guard, Cat. No. 1375-20

For disc herniation or spinal procedures where removal of overlying laminae is required. A protective foot over the bur's rotating tip helps avoid accidental dural tears.

*To avoid possible overheating,
do not operate angle attach-
ments above 90 PSI.*



And, all these accessories.

The SURGAIRTOME® Two accessory line provides maximum convenience during use, sterilization, and storage.

Nitrogen Regulator, Cat. No. 1375-07

For use with SURGAIRTOME Two and all ZIMMER® Air Surgery Instruments. Schrader female connector accepts the handpiece hose. Input is a standard Compressed Gas Association (CGA) nitrogen fitting. Two gauges indicate operating pressure and tank storage pressure. A Dual Outlet Nitrogen Regulator, Cat. No. 1375-30, is also available. Both regulators should not be sterilized.

Universal Hose, Cat. No. 5052-10

Quick-disconnect coaxial hose for use with all SURGAIRTOME Two, ORTHAIR™ and MICRO™ air instrument handpieces. Exhausts up to 10 ft. (3.05 m) from surgical site.

Autoclave Case, Cat. No. 5052-12

Accepts handpiece, hose, and accessories for convenient storage and handling. A perforated stainless steel construction provides maximum steam penetration for sterilization.

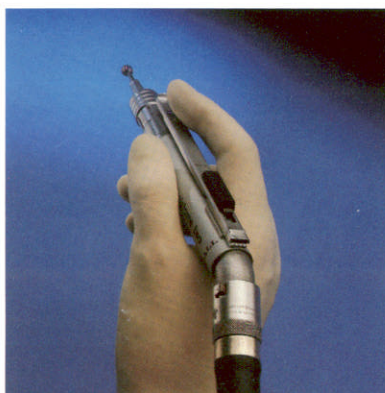
Foot Control, Cat. No. 1375-28

Converts the SURGAIRTOME Two from fingertip control to foot operation. Foot Control cannot be steam sterilized.



Bur Rack, Cat. No. 5053-08

An anodized aluminum storage and sterilization rack that accommodates 20 burs. Holds burs firmly in place, yet permits easy insertion or removal. A 90° rotating handle allows easy access to burs while providing base support. Rack is compact, with horizontal design, and easily disassembled for cleaning.



HALL® Burs















HALL burs, designed specifically for our equipment, are made to rigid surgical specifications. Their uniform quality and greatly improved material reduces breakage and allows faster cutting with less heat build-up.

And they're easy to select and maintain, too, because we've organized sizes, types and materials to give you a *logical* line you can follow.













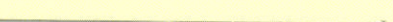







In addition, we now have a complete line of oral surgery burs. All seven are longer than dental handpiece burs for better visibility. Plus, one style (5091-19) is designed specifically for impactions, so you can go right from sculpting bone to sectioning teeth without changing burs midway through the procedure.

Bur Line Specifications







Side Cutting Burs—Carbide

Catalog No.	Description	
	Head diameter x cutting length (millimeters)	
	5090-01	1.0 x 5 Straight—Short
	5091-01	1.0 x 5 Straight—Medium
	5090-02	1.5 x 10 Tapered—Short
	5091-02	1.5 x 10 Tapered—Medium
	5090-04	1.5 x 7.5 Straight—Short
	5091-04	1.5 x 7.5 Straight—Medium
	5092-04	1.5 x 7.5 Straight—Long
	5090-03	1.7 x 12 Tapered—Short
	5092-03	1.7 x 12 Tapered—Long
	5090-06	2.0 x 7.5 Tapered—Short
	5091-06	2.0 x 7.5 Tapered—Medium
	5092-06	2.0 x 7.5 Tapered—Long
	5091-14	2.0 x 19 Tapered—Medium
	5092-14	2.0 x 19 Tapered—Long





Round Cutting Burs—Carbide

	Head diameter (millimeters)	
	5090-20	1.0 Short
	5092-20	1.0 Long
	5090-22	1.5 Short
	5091-22	1.5 Medium
	5092-22	1.5 Long
	5090-24	2.0 Short
	5091-24	2.0 Medium
	5092-24	2.0 Long
	5093-24	2.0 X-Long
	5091-25	2.4 Medium
	5091-26	3.0 Medium
	5092-26	3.0 Long
	5091-28	4.0 Medium
	5092-28	4.0 Long
	5093-28	4.0 X-Long
	5091-30	5.0 Medium
	5092-30	5.0 Long
	5093-30	5.0 X-Long
	5091-32	6.5 Medium
	5092-32	6.5 Long




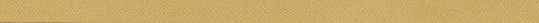







Oval Cutting Burs—Carbide

Catalog No.	Description	
	Head diameter x cutting length (millimeters)	
	5091-36	4.0 x 8 Medium
	5092-36	4.0 x 8 Long
	5093-36	4.0 x 8 X-Long
	5091-38	5.5 x 10 Medium
	5092-38	5.5 x 10 Long
	5093-38	5.5 x 10 X-Long




Barrel Cutting Burs—Carbide

	Head diameter x cutting length (millimeters)	
	5091-52	2.0 x 10 Medium
	5092-52	2.0 x 10 Long
	5091-54	4.0 x 10 Medium
	5092-54	4.0 x 10 Long

Round Diamond Burs—Diamond

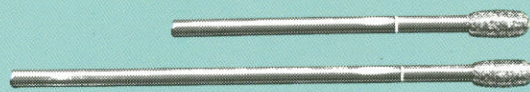
	Head diameter (millimeters)	
	5091-60	2.0 Medium
	5092-60	2.0 Long
	5093-60	2.0 X-Long
	5092-62	3.0 Long
	5093-62	3.0 X-Long
	5091-64	4.0 Medium
	5092-64	4.0 Long
	5092-66	5.0 Long
	5093-66	5.0 X-Long
	5091-68	6.0 Medium
	5092-68	6.0 Long

Swanson Reamers—Steel

	Head diameter (millimeters)	
	5091-42	2.0 Medium
	5091-43	3.0 Medium
	5091-44	4.0 Medium

Oval Diamond Burs—Diamond

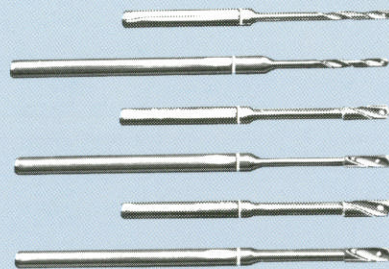
Catalog No.	Description
Head diameter x cutting length (millimeters)	



5091-70	4.0 x 8 Medium
5092-70	4.0 x 8 Long

Wire Pass Drills—Steel

Head diameter x cutting length (millimeters)	
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5090-47	1.0 x 19 Short
5091-47	1.0 x 19 Medium
5090-48	1.5 x 19 Short
5091-48	1.5 x 19 Medium
5090-49	2.0 x 19 Short
5091-49	2.0 x 19 Medium

Rhinoplasty Bur—Diamond

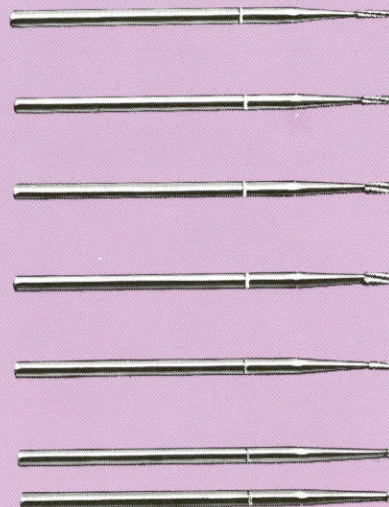
Head diameter x cutting length (millimeters)	
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5092-74	2.0 x 19 Long
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Oral Surgical Burs—Carbide

Head diameter x cutting length (millimeters)	
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5091-15	0.8 x 4.9 Tapered Sidecutting Medium
5091-16	1.2 x 4.9 Straight Sidecutting Medium
5091-17	1.6 x 4.3 Straight Sidecutting Medium
5091-18	1.6 x 4.5 Tapered Sidecutting Medium
5091-19	1.2 x 3.7 Sidecutting, Round Head Medium
5091-21	1.8 Round Medium
5091-23	2.3 Round Medium

Bur Guard and Attachment Guide

Catalog No.	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.	Description
1375-12	Medium Bur Guard—for 5091 series medium burs	1375-20	Laminectomy Bur Guard—for 5092-03 Laminectomy bur	1375-02	90° Angle Attachment—for 5090 series short burs	1375-04	20° Angle Attachment—for 5092 series long burs
1375-11	Long Bur Guard—for 5092 series long burs	1375-21	Rhinoplasty Bur Guard—for 5092-74 Rhinoplasty bur	1375-19	70° Contra-Angle Attachment—accepts Friction Grip (FG) burs only; FG burs are available from dental supply houses	1375-29	Extra-Long 20° Angle Attachment—for 5093 series extra-long burs
1375-23	Cloward Extra-Long Bur Guard—for 5093 series extra-long burs	1387-22	Tissue Retractor Guard—for 5092-36 long oval cutting bur				

SURGAIRTOME® **Two.** **For the power** **behind the speed.**

We want to show you the SURGAIRTOME Two — clearly, the most advanced high-speed drill system on the market today.

For more details and a complete demonstration, contact your Zimmer representative, or Zimmer•USA, Warsaw, Indiana 46580.

Product Specifications

Speed: 90,000 RPM maximum

Torque: 1.75 in. oz. nominal
at 110 PSI

Operating Pressure: 90-110 PSI

Consumption: 6.0 cfm, maximum

Housing Diameter: 0.7 in.
(18.0 mm)

Overall Length: 6.5 in.
(16.5 cm)

Weight: 5.8 oz. (164.0 g)

Motor: Vane motor with gear
speed increaser

Recommended Power Source:

Water-pumped, compressed dry nitrogen.

Alternate Power Source:

Compressed air, filtered and dried to 99.95% clean and dry.

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