

MICRO™ Drill

SURGICAL INSTRUMENT



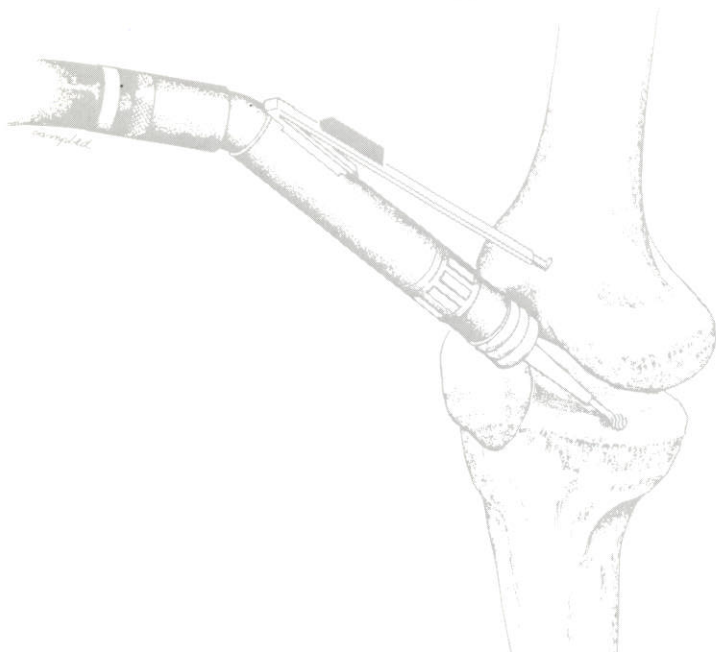
5053-01
(Bur guard and bur
not included)

5053-01 MICRO DRILL

Application: For bone cutting and reshaping procedures in orthopaedic, podiatric, oral, and plastic and reconstructive surgery.

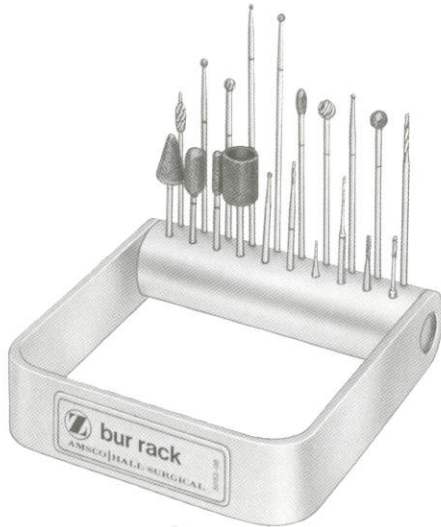
- Features:**
- 5052-10 Universal Hose included.
 - No lubrication required.
 - Accepts the full range of HALL® attachments and burs.
 - Twist-lock collet mechanism for simple insertion and removal of burs and attachments.
 - Variable-speed finger throttle control varies speed from 500 RPM to 20,000 RPM.
 - Torque of 6 in.-oz. allows the drill to cut dense cortical bone without significant slowdown or stalling.
 - Three-position throttle on the handpiece: "Safe," "On," or "Lock" (continuous run).
 - Optional foot control available.
 - Lightweight and flexible detachable hose exhausts 10 ft. (3.05m) from surgical site.

- Spec.:**
- Material: Stainless steel
 - Weight: 6.2 oz. (175g)
 - Speed: 500 RPM to 20,000 RPM (nominal)
 - Torque: 6 in.-oz. minimum
 - Operating pressure: 160 PSI running
 - Nitrogen consumption: 8 CFM (nominal)
 - Length: 6 in. (15.3cm)
 - Diameter: .7 in. (18mm)
 - Power source: Water-pumped, compressed dry nitrogen 99.97% pure
 - Powered by: Self-cooling, rotary vane motor
 - Bur pull-out force: Exceeds 12 lbs. (5.45kg)
 - Replacement instrument (without hose): 5053-91.



MICRO™ Drill accessories

SURGICAL INSTRUMENT



5053-08
(Burs not included)

5053-08 BUR RACK

Application: A storage or sterilization rack which holds up to 20 HALL® burs. With the handle in the upright position, the burs are protected from contact with other objects. For use in surgery, rotate handle 90 degrees.

Spec.: Material: Anodized aluminum and stainless steel.
Height: 4.5 in. (11.4 cm)
Width: 4.0 in. (10.2 cm)
Depth: 1.0 in. (2.5 cm)

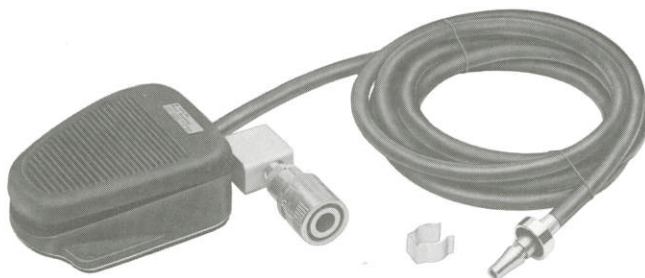


1375-15

1375-15 BUR BRUSH

Application: A stainless steel wire brush designed for cleaning the flutes of burs and drills.

Spec.: Material: Stainless steel wire with TEFLON handle
Diameter: .375 in. (9.53mm)



1375-28

1375-28 FOOT CONTROL

Application: Converts the SURGAIRTOME® (Powered Surgical Instrument) TWO and the MICRO™ (Surgical Instrument) System from fingertip control to foot operation. Includes 1375-67 Throttle Retainer which can be steam sterilized. Foot Control cannot be steam sterilized.

Spec.: Power source hose: 10 ft. (3.5 m)
Fittings: Female Schrader on Foot Control, Male Schrader on fixed power source hose.



MICROTM Drill companion products

SURGICAL INSTRUMENT

1375-19 70° CONTRA-ANGLE ATTACHMENT

Application: Designed specifically for operative dentistry. Tip can be easily reversed to give 110° angulation. Small tube on head allows irrigation tubing to be utilized. 1375-03 Bur Changer included.

Spec.: Material: Stainless steel
 Burs: Use standard friction-grip (FG) dental burs 1/16 in. (1.58mm) diameter. Available from dental supply houses. Burs not sold by Zimmer.

Overall length: 3.34 in. (8.48cm)



1375-19

1375-02 90° ANGLE ATTACHMENT

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

Spec.: Material: Stainless steel
 Burs: Use short burs – series 5090 (See page C41)

Overall length: 3.38 in. (8.59cm)



1375-02

1375-03 BUR CHANGER

Application: For insertion and removal of burs from 1375-02 90° Angle and 1375-19 70° Contra-Angle attachments.
 Note: Do not steam sterilize.

Spec.: Material: Plastic
 Length: 2.2 in. (5.6cm)
 Diameter: .62 in. (15.7mm)



1375-03

1375-05 BUR RELEASE

Application: For insertion and removal of burs from 1375-04 20° Angle and 1375-29 Extra-Long 20° Angle attachments.

Spec.: Material: Stainless steel



1375-05

1365-16 AIR INSTRUMENT LUBRICANT

Application: A special medium-grade oil for lubricating bur guards, attachments, and the 1387-01 HALL II[®] Air Drill (Discontinued), the 1384-01 Air Driver (Discontinued), and the 5059-01 NEURAIRTOME[®] Drill.



1365-16



MICRO™ Drill companion products

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1375-21

1375-21 RHINOPLASTY BUR GUARD

Application: Primarily designed for vertical nasal osteotomies. Guard elevates periosteum and soft tissue of the nose to protect it from rotating bur.

Spec.: Material: Stainless steel
 Burs: Use 5092-74 Diamond Bur (See page C46)
 Overall length: 3.43 in. (8.71cm)

1387-22 TISSUE RETRACTOR GUARD

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

Spec.: Material: Stainless steel
 Recommended bur: 5092-36 Oval Cutting Bur (See page C45), or any other long bur with a maximum diameter of 4.5mm.
 Overall length: 3.4 in. (8.64cm)

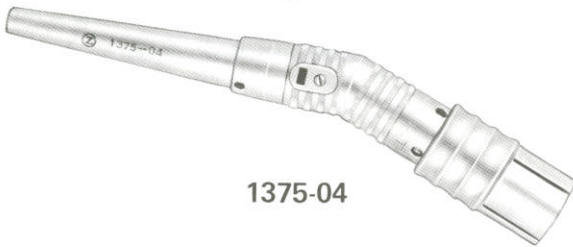


1387-22

1375-04 20° ANGLE ATTACHMENT

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

Spec.: Material: Stainless steel
 Burs: Use long burs – series 5092 (See pages C44-46)
 Overall length: 4.3 in. (10.9cm)
 Nose length: 1.75 in. (4.4cm)



1375-04

1375-29 EXTRA-LONG 20° ANGLE ATTACHMENT

Application: Where deeper penetration into surgical site is necessary than is obtained by 1375-04 20° Angle Attachment, such as deep lumbar laminectomies. The 1375-29 is over 1.5 in. (4cm) longer. 1375-05 Bur Release included.

Spec.: Material: Stainless steel
 Burs: Use extra-long burs – series 5093 (See page C47)
 Overall length: 5.6 in. (14.3cm)
 Nose length: 3.3 in. (8.38cm)



1375-29



MICROTM Drill companion products

SURGICAL INSTRUMENT

1375-12 MEDIUM BUR GUARD

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

Spec.: Material: Stainless steel
Burs: Use medium-length burs — series 5091.
(see pages C39, 42-44)

Overall length: 1.8 in. (4.57cm)
Replaceable bearing



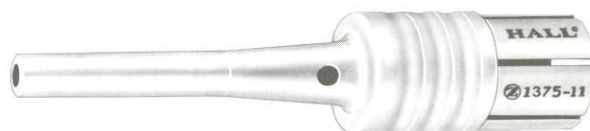
1375-12

1375-11 LONG BUR GUARD

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

Spec.: Material: Stainless steel
Burs: Use long burs — series 5092
(See pages C44-46)

Overall length: 2.7 in. (6.86cm)
Replaceable bearing



1375-11

1375-23 CLOWARD EXTRA-LONG BUR GUARD

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

Spec.: Material: Stainless steel
Burs: Use extra-long burs — series 5093 (See page C47)

Overall length: 3.7 in. (9.4cm)
Replaceable bearings (2)



1375-23

1375-20 LAMINECTOMY BUR GUARD

Application: For disk herniation or spinal procedures where removal of overlying laminae is required. A protective foot over the bur's rotating tip aids in avoiding accidental dural tears.

Spec.: Material: Stainless steel
Burs: Use 5092-03 Side-Cutting Carbide Bur (See page C44)
Overall length: 3.4 in. (8.64cm)



1375-20

