

## Drills for Stereotaxic Surgery and Accessories



### Drills

Harvard Apparatus offers two types of drills for stereotaxic surgery: a hang-up type with foot-operated speed control, and benchtop type with built-in speed control.

Both drills have 1/10 HP Universal type motors with a built-in 3:1 gear reduction. The flexible drive shaft can be connected either to the reduction gear for powerful 0 to 5000 RPM control or to direct drive for 0 to 15,000 RPM control. Both drills are supplied with a 99 cm long x 0.38 cm diameter (39 x 0.150 in) flexible drive shaft to which one of two hand pieces (must be ordered separately) can be attached, see to right. The bench-top motor drill has a built-in speed control. The motor is mounted on a heavy base with a cast iron yoke, allowing the motor to tilt or swivel. It is supplied with a drive shaft. The hang-up motor drill is equipped with a solid state, variable control and drive shaft. It is supplied with a motor hanger and wall hook for wall mounting.

- Two types available:
  - Bench-top
  - Hang-up

### Hand Pieces

Two styles of hand pieces are offered: quick-change and general purpose. Both styles attach directly to the flexible drive shaft of the motor drills. The quick-change hand piece requires no tools, keys or collets. However, it is restricted to drills or burrs of 2.38 mm (3/32 in) diameter shank. The general purpose hand piece does require a chuck key (included) to change drill bits. However, it will take any size drill bits from tiny wire gauge sizes up to 3.97 mm (5/32 in) diameter drill bits including the drill bit for CNS guides below. This unit features a geared, three-jawed chuck that takes shank sizes to 3.97 mm (5/32 in).

Catalog No.	Product
CGS 8183.74	Quick-Change Hand Piece
CGS 8184.74	General Purpose Hand Piece with Chuck Key

Catalog No.	Product
CGS 8174.74	Bench Top Motor Drill, 115 VAC, 60 Hz
CGS 8175.74	Bench Top Motor Drill, 230 VAC, 50 Hz
CGS 8176.74	Hang-Up Motor Drill, 115 VAC, 60 Hz
CGS 8177.74	Hang-Up Motor Drill, 230 VAC, 50 Hz
CGS 8178.74	Maintenance Kit for Motor Drills; contains Spare Flexible Shaft, Replacement Motor Brushes, Flexible Shaft, Grease and Motor Oil
CGS 8179.74	Skull Mounting Screws; Self-Tapping Stainless Steel, Round Head Machine Screws with Sharply Cut Threads; size 0.80 x 0.2 mm, 1/8 in. length; pkg. of 100
CGS 8180.74	Screw Driver; Special Screw-Holding Screw Driver allows easy screw starting
CGS 8181.74	Surgical Accessories Kit for Anesthetized Animals; Contains #56 Drill Bits and Gel Foam
CGS 8182.74	Surgical Accessories Kit for Freely Moving Animals; Contains Skull Mounting Screws, Dental Acrylic, #56 Drill Bits, Drill Bit Holder and Screw Driver

### Drill Bit for CNS Guides

These drill bits are high speed steel with an extra long straight shank. Size 56 decimal equivalent 0.0465; length 5.72 cm (2-1/4 in). Supplied in package of 6.

- For use with general purpose hand piece only

Catalog No.	Product
CGS 8185.74	Drill Bit for CNS Guides
CGS 8186.74	Drill Bit Holder, Holds AH 59-7318 Drill Bit; Prevents Over-Drilling into Skull; Bit clamps in Holder so only length of Bit equal to thickness of skull projects from Holder