

Imperial Undercutter

The Imperial Undercutter is an efficient machine where a good, sturdy undercutter is desired for portable and shop use. Its cast-bronze head is heavy enough to keep the saw from "bouncing". Available in electric or air-powered models.

Features:

- Undercuts small, medium, or large commutators.
- Undercuts rapidly and without vibration. Ball bearing spindle.
- Has either flexible shaft or air motor drive.
- Direct drive: Flexible Shaft Model = 2850/3450 r.p.m.
Air Motor Model = 2000 r.p.m.
- Uses either "V" Cutters for "V" slots or Saws for "U" slots.
- Cuts full depth to within 7/16" of riser.
- Simple easy adjustments. Slot guide and depth gauge adjusted by sensitive screws, then locked in position.

FLEXIBLE SHAFT MODEL



The Flexible Shaft Model is powered by a 1/3 h.p., 2,850/3,450 r.p.m. motor and a 3/8" diam., 5 ft. long flexible shaft (No. 16), as pictured above. It can also be furnished with a ball-bearing swivel connection for attaching to any motor with 1/2", 5/8", 10mm. or 14mm. armature shaft.

We recommend, however, that it be purchased complete with motor. The motor is mounted on a special base which enables it to be suspended to permit the shaft to take its natural curve. This also takes some of the weight off the operator's hands.

- Imperial Undercutter with motor as pictured above; **Catalog Number**
- 115 V., 50/60 Hz.IMPU100A
 - 230 V., 50/60 Hz.IMPU100B
- Imperial Undercutter with flexible shaft and Ball Bearing Swivel Connection for use with your motor;
- with 1/2" motor connectionIMPU10112
 - with 5/8" motor connectionIMPU10158
 - with 10 mm. motor connectionIMPU10110MM
 - with 14 mm. motor connectionIMPU10114MM
- No. 16 Core (Replacement for flexible shaft)MFLXD90
No. 16 Sheath (Replacement for flexible shaft)MFLXD61
No. 2 Steel Carrying Case for electric ImperialCASE102
Net Wt. with motor, 27 lbs.; without motor, 7 lbs.

AIR MOTOR MODEL



The Air Motor Model is powerful, compact, and lightweight. It is operated with one hand on the left handle and the other hand around the air motor on the air control valve. This air model operates on 90 to 120 lbs. air pressure and develops .6 h.p. at 90 lbs. The saw spindle speed (full load) is 2,000 r.p.m.

A ten-foot air hose complete with end connections, including a quick-connector at the motor end, is available at extra cost.

Also available and highly recommended is the Automatic Air Filter-Lubricator listed in the Price List below. It keeps the air motor adequately lubricated at all times.

- Catalog Number**
- Imperial Undercutter with Air Motor.....IMPU102
 - Automatic Air Filter-Lubricator.....FILL01
 - Air Hose, 10 ft. long complete with quick connector.....AIRH10
 - No. 1 Steel Carrying Case for air motor Imperial.....CASE101
- Net Wt. 4 lbs., Shipping Wt. 6 lbs.

High Speed Steel Saws and V-Cutters

(See page 16 for Saw and Cutter specifications)

	O.D.	I.D.	Catalog Number
For Small and Medium			
Commutators:			
No. 3-HS Saws	7/8"	9/32"	HSMS3___
No. 3-VHS Cutters	7/8"	9/32"	HSMSV3___
For Large Commutators:			
No. 4-HS Saws	1"	9/32"	HSMS4___
No. 4-VHS Cutters	1"	9/32"	HSMSV4___

Martindale Universal Undercutter

Features:

- Undercuts any size commutator. Excellent for small commutators.
- Uses either V-Cutters for "V" slots or Saws for "U" slots.
- Direct drive: Flexible Shaft = 1/3 h.p. motor; 2850/3450 r.p.m.
- Drive Shaft is extremely flexible and light, though sturdy (No. 14 Core and Sheath; 1/4" diam. x 3 ft. long)

The Universal Undercutter is similar to the Imperial Undercutter shown above. This unit uses only a 1/2" diameter saw and comes with two slot guides.



Equipped with Depth Gauge and 2 slot Guides. The angled slot guide is for use on commutators up to 7" diameter. The 1/2" diameter saws allow cutting to within 1/4" of riser.

- Universal Undercutter with motor as pictured at left; **Catalog Number**
- 115 V., 50/60 Hz.UNVU100A
 - 230 V., 50/60 Hz.UNVU100B
- Universal Undercutter with flexible shaft and Ball Bearing Swivel Connection for use with your motor;
- with 1/2" motor connectionUNVU10112
 - with 5/8" motor connectionUNVU10158
 - with 10 mm. motor connectionUNVU10110MM
 - with 14 mm. motor connectionUNVU10114MM
- No. 14 Core (Replacement for flexible shaft)MFLXD75
No. 14 Sheath (Replacement for flexible shaft)MFLXD54
No. D-363 ReducerMFLXD363
No. 2 Steel Carrying Case for electric ImperialCASE102
Net Wt. with motor, 24 lbs.; without motor, 3-1/2 lbs.

High Speed Steel Saws and V-Cutters

(See page 16 for Saw and Cutter specifications)

	O.D.	I.D.	Catalog Number
No. 16-HS Saws	1/2"	3/16"	HSMS16___
No. 17-VHS Cutters	1/2"	3/16"	HSMSV17___