



***KUT--KWIK UNDERCUTTER MODEL KK180EA & EB,
PORTABLE, ELECTRIC
INSTRUCTIONS & PARTS LIST***

UNDERCUTTER OPERATION:

The Flex-Drive Undercutter Kit is comprised of: motor, motor control unit, flex shaft and outer sheath, handpiece with 1/4" capacity collet, and 1/4" arbor. The handpiece is attached to the flex-shaft and sheath by way of a quick release (Q/R) connection. To open the Q/R connection: pull back firmly on the handpiece collar.

To attach the handpiece: open the Q/R connection, insert the square drive shaft into the handpiece, push in firmly and release the collar to close the connection. A light pull on the sheath and handpiece will show if the connection is properly secured.

Prior to the undercutting operation: hang the motor unit from a suitable hook or the optional tripod stand. Place the motor control unit close to the work area and plug in the motor power cord. Unscrew the collet nut on the handpiece sufficient to allow the arbor to be placed into the collet. Snug the collet nut to grip the arbor firmly without over tightening the nut.

Select a diamond plated cutting wheel of appropriate thickness. Mount the diamond plated wheel onto the arbor, tighten the clamping disc and screw firmly. Turn on the motor unit and adjust the motor speed to approximately 50%, check the diamond wheel for run-out, there should be no wobble evident. Increase to full speed and begin undercutting.

DIAMOND COATED UNDERCUTTING WHEELS:

This special 18,000 RPM Kut-Kwik Undercutter is designed for use with 3/4" dia. and 7/8" dia. x 5/16" hole Diamond Coated Cutting Wheels. These wheels are available in thicknesses, as shown in the Martindale Products Catalog or on line at www.martindaleco.com.

Some customers have experienced success using tungsten-carbide saws with this undercutter as the speed of this unit lends itself to the higher speeds required for carbide. Because of the brittle nature of carbide these saws are susceptible to breakage and must be used with extreme care so as not to wedge the saw in the slot.

It is recommended that a Protective Mask and Eyeshield be worn when undercutting to insure operator safety and comfort.

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Quantity	Description	Part No.
1	Handpiece	44HT
1	Collet	HP447
1	Gauge, Depth, Brass	45-1B
1	Screw, 5-40x3/8, Hollow Hd., Cap	
1	Arbor, Flange & Screw Assembly	45-4-250