

XP PRECISION SECTIONING SAW & DIAMOND BLADE

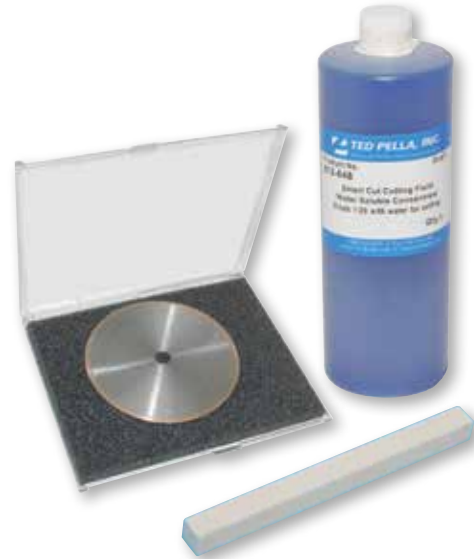
- MANUAL, PRECISION SECTIONING SAW
- LARGE 6" X 10" WORK AREA
- POWERFUL 1/4 HORSEPOWER MOTOR
- APPROX. VARIABLE SPEED OF 400-3250 RPM
- INCLUDES A 4" DIAMOND WAFERING BLADE, DRESSING STICK & WATER SOLUBLE COOLANT

The XP Precision Sectioning Saw is designed for cutting printed circuit boards, ceramics, metal samples and composite components. It can also be used as a precision cut-off saw for small rods, wires, bars and tubes. With its large 6" x 10" working area and coolant bath below, the saw is easy-to-use. Saw housing and table are made of non-corroding sturdy cross linked polyethylene to ensure durability. Powerful 1/4 HP (115V / 1.75A / 200W) motor with approximate variable speed of 400 – 3250 RPM, allows for selecting the best cutting speed for a variety of sample materials. Uses 4 and 5" diamond wafering blades with 5/8" (16mm) holes. Includes a 4" diamond wafering blade with medium / coarse grit in high concentration (Product No. 812-316-5), dressing stick and water soluble coolant.

Maximum cutting width: 3.5". Maximum cutting depth: 4" blade = 1"; 5" blade = 1.5". 230V version not available; use Prod. No. 54585, 500W Step Down Transformer with 230V power outlets

The dressing stick is used to expose the cutting diamonds, to improve cutting rate and to reduce heating at the cutting edge. Especially useful when cutting softer material where the cut material tends to "clog up" the cutting edge of the blade. Size is 12.5 x 12.5 x 152mm (0.49" x 0.49" x 5.98").

Cutting fluids will assist in cooling the sample and disc during cutting operation; and will also remove cutting debris, reducing friction between cutting blade and sample.



812-300	XP Precision Sectioning Saw, 115V, w/Diamond Wafering Blade, Dressing Stick and Cutting Fluid.....	each
812-316-5	Diamond Wafering Blade, 4" x 0.012" x 5/8" Hole, Medium/Coarse Grit - High Concentration	each
812-420	Dressing Sticks for Diamond Blades	each
812-648	Smart Cutting Fluid, Water Soluble Concentrate, 1qt.....	each

See reverse for additional wafering blades and cutting fluids.

DIAMOND WAFERING BLADES & SUPPLIES



DIAMOND SECTIONING / WAFERING BLADES

These blades can be used on the PELCO® XP-300 Precision Sectioning Saw. Competitively priced Smart Cut™ precision diamond wafering blades are designed to provide superior smooth surface quality, low-distortion sectioning and enhanced blade life. The man-made diamond crystals in the Smart Cut™ diamond sectioning / wafering blades are oriented in such a way that diamonds are only activated at the exposed layer. As the exposed layer begins to wear out, diamonds in a new layer are activated, keeping up the cutting rate.

Advantages of Smart Cut™ Blades

- Faster cutting action – leaves smooth finish
- Less glazing – requires minimal dressing
- More universal – compatible with a greater variety of materials

5/8" Arbor Hole for PELCO® XP-300

812-316-5	Diamond Wafering Blade, 4" x 0.012" x 5/8" Hole, Medium/Coarse Grit - High Concentration.....	each
812-317-5	Diamond Wafering Blade, 4" x 0.012" x 5/8" Hole, Fine Grit - High Concentration.....	each
812-326-5	Diamond Wafering Blade, 6" x 0.020" x 5/8" Hole, Medium/Coarse Grit - High Concentration.....	each



CUTTING FLUIDS

Cutting fluids will assist in cooling the sample and disc during cutting operation. They will also remove cutting debris and reduce friction between the cutting blade and sample.

The Smart Cut synthetic water soluble cutting fluid can be diluted 1:20 with water. Formulation is non-irritable, bio-resistant, easy-to-mix with water and includes corrosion inhibitors. The SO Type water soluble oil cutting fluid can be diluted 1:40 with water. It is anti-corrosive and bio-resistant.

812-648	Smart Cut Cutting Fluid, Water Soluble Concentrate	1 quart
812-649	Smart Cut Cutting Fluid, Water Soluble Concentrate	1 gallon
812-650	SO Cutting Fluid, Soluble Oil Concentrate	1 quart
812-653	SO Cutting Fluid, Soluble Oil Concentrate	1 gallon