

Lapping Consumables

Kemet Composite Lapping Plates

Manufactured from a homogeneous mixture of synthetic resins and metal particles, the plates are designed for Kemet's advanced lapping technology, perfectly compatible with Kemet's extensive range of Liquid Diamonds.

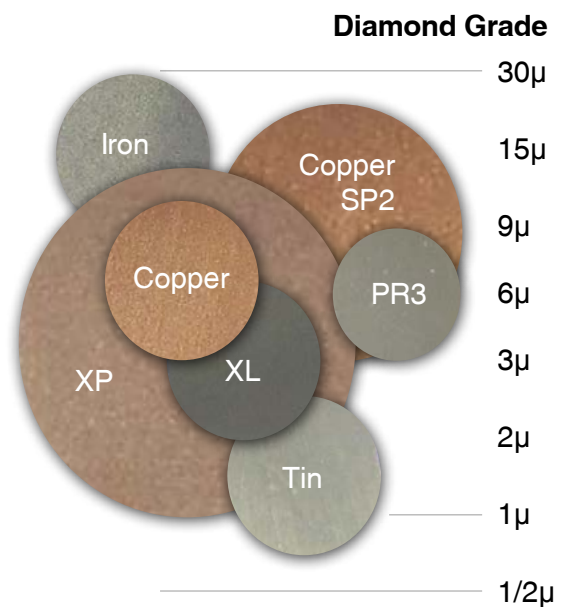
Benefits

- Holds diamond particles firmly, ensuring both efficient stock removal and repeatable component surface finish
- Ductile qualities cushion the diamond particles, preventing damage to the workpiece
- Produced in varying hardness values so that even the softest material can be safely lapped with diamond particles without the fear of impregnation
- Easy control for optimum flatness
- Lapping/polishing plates available to fit all makes of lapping machines with plate diameters up to 3000mm
- Recommended when high precision flatness and surface finish are required
- Dissipates heat and prevents laminar flow of lapped surfaces
- Supplied with a cast iron backing plate for maximum stability

Composite Material	Plate Diameter (inches)			
	15	20	24	36
Kemet Iron	351002	351081	351006	351010
Kemet Copper	351102	351103	351106	351124
Kemet Copper SP2	351159	351964	351177	351965
Kemet XP	351202	351266	351206	351227
Kemet PR3	351340	351374	351357	351343
Kemet Tin	351305	351320	351306	351315
Kemet XL	351356	351375	351376	351377

Custom sizes and grooving are available

Composite Material	Description
Kemet Iron	The most commonly used plate. For general purpose stock removal and lapping operations
Kemet Copper	Used to lap softer materials where fine lapping and polishing are the primary requirements
Kemet Copper SP2	Can be used for lapping and/or polishing hard and medium hardness materials
Kemet XP	Gives improved flat polished surfaces on many materials. Flat mirror-like surfaces can be produced on many hard materials
Kemet PR3	Used to generate highly reflective surface finish. Ideal for pre-pad polishing for minimum roll off
Kemet Tin	One of the softest Kemet Plates used for mirror polishing with fine grades of Kemet Liquid Diamond
Kemet XL	Replacement for Lead/Tin plate, used for mirror polishing



Kemet Composite Lapping Rods

For use with Kemet's diamond compounds, Kemet composite rods are manufactured from a homogeneous mix of synthetic resins, metal particles and other materials. Produced in a variety of hardness values, the softest materials can be safely lapped with Kemet Diamond compound. They are commonly used to improve the surface quality of parts following lapping with Kemet Helilaps.

Type	Diameter Size (mm)		
	25x150	50x150	75x150
Kemet Iron	352101	352102	352103
Kemet Copper	352104	352105	352106
Kemet XP	352113	352108	352114
Kemet Tin	352107	352116	352163

