

DIAMOND & CBN Electroplated Tools (Galvanic bond)

PARAS DIAMOND CO. INDUSTRIAL DIAMOND TOOLS DIVISION manufactures very wide range of Electroplated products which includes Needle Files, Saw Blades, Mounted Point, Drill Bits and Flexible Diamond Products. We also manufacture Peripheral wheels, Precision Reamers, Precision Profile Wheels, Radius, Flat, V Form, Special Forms, Straight and Taper Cup Wheels and Sharpening Wheels etc., For more Please see section **Diamond & CBN Tools - Wheels for High Precision Grinding Solutions.**

DIAMOND & CBN Needle Files

Diamond Plated Needle Files are available in different shapes and are recommended for machining carbide or hardened steel moulds. Grit size is recommended according to the required surface finish. They offer numerous possibilities for tool making and forming of shaped sections in hard metals and hard plastics.

Diamond Plated Needle Files are produced by Special bonding Techniques and offered all-purpose tools for the mould and die instrument, gauge and tool-making industries. They give faster and more economical stock removal on both hardened and tough unhardened steels and on carbides, and eliminate distortion due to work hardening as well as scratch buildup and cutting, forming and drawing tools

Recommended Use :

For best results use these files with light contact pressure. The protrusion and uniformly high concentration of the diamond grit on the file surface ensures smooth, free-cutting action and high depth of cut. The files are cleaned with a soft toothbrush after use.

Applications

Molds die plates
Quartz & carbon fibers
Graphite
Glass
Hardened and nitrated steel
Ceramics
precision stones
Gold & Silver
Platinum









Standard Dimension

Overall length	160mm
Shank diameter	3mm
Diamond Coated Length	75mm

Grit Sizes

Coarse	80/100
Medium	140/170
Fine	200/230

DIAMOND & CBN Needle Files- Standard Shapes

BDF 1003 5 x 2 mm	 halfround
BDF 1004 3 mm	 threesquare
BDF 1005 2.5 mm	 square
BDF 1006 3 mm	 round
BDF 1007 5 x 2 mm	 crossing
BDF 1008 5 x 2 mm	 slitting
BDF 1009 5 x 2 mm	 barrette
BDF 1010 5 x 2 mm	 knife

Note:

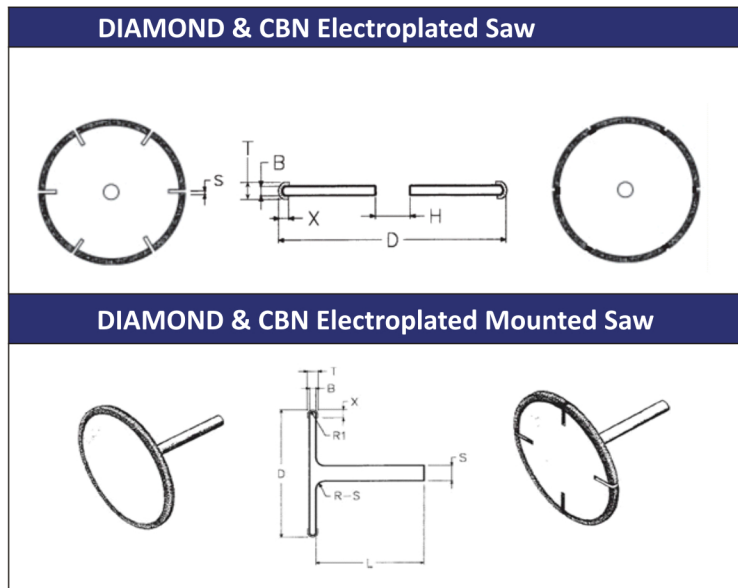
- 1.Specify Diamond or CBN at time ordering.
- 2.Specify Grain Size
- 3.If possible, specify Application of Files
- 4.Please specify File Size. Other than standard file & shapes also can be manufactured as per Application or Requirement.

DIAMOND & CBN ELECTROPLATED DIAMOND SAWS

Electroplated diamond cutoff wheels (slitting saws) are offered with Natural, Synthetic and CBN Diamond Grains. Our Newly Developed process provides exceptionally high strength between the diamond or CBN grains and the tempered spring steel body; it minimizes the chances of premature failure due to diamond grain pull-out. This Slitting Saw ensures exceptional cutting quality & superior surface finish with higher material removal rate & low heat buildup.

The main Advantage is it can be used wet or dry.

These saws are ideal for cutting a wide variety of materials, such as fiber-glass, Bakelite (PCB), graphite, carbon, ferrites, asbestos, carbides, MDF, ceramics, bonded abrasives, refractories, colored stones, bone, horn, paper and even Carbides with specially Developed bonds.



Grit Sizes	
Coarse	80/100
Medium	140/170
Fine	200/230

Note:

- 1.Specify Diamond or CBN Grains at the time of ordering.
- 2.Specify Grain Size & Application.
- 3.Please specify Complete Dimensions. Other Shapes of Electroplated Diamond wheels to FEPA standards refer our catalog DIAMOND & CBN GRINDING WHEELS.
- 4.You can avail this product with specified requirements, for more information; please contact us.