

### 03860 3Pc. Diamond Needle File Set 3x140mm

Needle File Length: 3x140mm  
 (Shank diameter\* full length)  
 Working plane length: 50mm  
 Fineness: 150 meshes



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 3x140mm (round bar diameter X overall length)  
 Length of working surface: 50mm  
 Grit size: D 150

No.	Sectional Form	Product Name
03811		Diamond Flat Needle File
03812		Diamond Pointed Half Round Needle File
03815		Diamond Pointed Round Needle File

No.			
03860	10	40	2.2

▲ Excluded from lifetime warranty terms.

### 03870 3Pc. Diamond Needle File Set 4x160mm

Needle File Length: 4x160mm  
 (Shank diameter\* full length)  
 Working plane length: 50mm  
 Fineness: 150 meshes



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 4x160mm (round bar diameter X overall length)  
 Length of working surface: 50mm  
 Grit size: D 150

No.	Sectional Form	Product Name
03831		Diamond Flat Needle File
03832		Diamond Pointed Half Round Needle File
03835		Diamond Pointed Round Needle File

No.			
03870	10	40	3.3

▲ Excluded from lifetime warranty terms.

### 03880 3Pc. Diamond Needle File Set 5x180mm



- Made of #45 steel electroplated with high-hardness rhinestone, achieving high working efficiency.
- Suitable for file finishing of high-hardness metal such as hard alloy, and for quenched or nitrided alloy steel cutter, grinding tool, fixture, etc.
- Length of needle file: 5x180mm (round bar diameter X overall length)  
 Length of working surface: 70mm  
 Grit size: D 150

No.	Sectional Form	Product Name
03851		Diamond Flat Needle File
03852		Diamond Pointed Half Round Needle File
03855		Diamond Pointed Round Needle File

No.			
03880	10	40	4.9

▲ Excluded from lifetime warranty terms.

### Hole Saw Arbor



53401



53402

- Hole saw arbor shank, used to connect the hole saw and drill chuck, and playing the positioning role when the hole saw is working
  - Guide drill bit is made of high-speed steel alloy with hardness of HRC63-66
  - Fast exit spring, allowing the round disc easier to be taken out after cutting
- Note: Please wear PPE such as safety goggles during use

No.	Φ (mm)	ℓ (mm)			
53401	14-30	9.5	10	160	17.3
53402	32-152	11.1	6	72	16

▲ Excluded from lifetime warranty terms.