



## **diamond needle file set 11-piece 140mm D181 (coarse) for hard materials**

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hard materials**

Item number: 15842113

EAN: 4007220017425

The diamond needle file set is supplied in a sturdy, practical plastic box which protects the tools from damage. This is ideal for keeping in the tool trolley or workbench.

Diamond needle files can be used generally in tool making.

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### **Technical information**

Grit size

D 181

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### **Recommendations for use**

- ✔ Apply only slight pressure to the file, especially in workpiece edge areas.
- ✔ Loaded diamond files can be cleaned in kerosene or anti-static plastic cleaner with a file brush. Alternatively, ultrasonic cleaning is also possible. Often it will suffice to knock the file against a hard object.
- ✔ Avoid using grease!

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### **Ordering notes**

- ✔ Customer-specific tool solutions are available on request.
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## Contents

- ✓ The set contains one each of the following file profiles: hand, hand with round edges, flat, three square, square, half-round, round, knife, feather edge, crossing oval and barrette
- ✓ Files with the profiles feather edge, crossing oval and barrette are only available in a set and not individually.

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## Materials that can be worked

- ✓ Abrasive materials
- ✓ Case-hardened steels
- ✓ Ferrite (magnetic material)
- ✓ Glass
- ✓ Graphite and synthetic carbon
- ✓ Nickel or titanium-based superalloys
- ✓ Steel materials with a hardness > 54 HRC
- ✓ Technical ceramics
- ✓ Tool steels
- ✓ Tungsten carbide

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## Applications

- ✓ Deburring
- ✓ Finishing
- ✓ Leveling
- ✓ Removing oxide layers
- ✓ Surface work
- ✓ Working on edges
- ✓ Working on edges (chamfering, rounding)

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## Drive types

- ✓ Manual application
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**PFERD  
TOOLS**



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