

## **diamond machinist's file hand 100mm D126 (medium) for hard materials**



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hard materials**

Item number: [15400126](#)

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Diamond files and sheets are used for tasks where conventional files fail due to the hardness of the material being worked on.

Diamond files and sheets are also used for processing hardened steel. The working temperatures are so low that no chemical wear occurs. This allows the higher hardness of the diamond grain to be exploited for a longer tool life.

Diamond machinist's files are used in many industries, such as the manufacturing of large tools.

They are supplied with ergonomic file handles.

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### **Technical information**

Grit size	D 126
Height	3.2 mm
Length, coating	85 mm
Length, total	100 mm
Shape	Hand
Width	10 mm

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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

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

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- ✔ Diamond machinist's files are supplied with ergonomic file handles.

## 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

## Applications

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

## Drive types

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- ✔ Manual application
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**PFERD  
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