



## **fibre disc dia. 180mm VICTOGRAIN-COOL60 for stainless steel and steel**

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steel and steel**

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PFERD TOOLS fibre discs are manufactured in accordance with ISO 16057 in shape A1 version F under the designation "vulcanized fibre disc".

For maximum aggressive grinding with an extremely long tool life and an outstanding stock removal rate on steels and materials which are hard or have poor heat-conducting properties. Outstanding, constant high performance thanks to the VICTOGRAIN abrasive grain. Active grinding additives in the coating substantially improve the stock removal rate, prevent clogging and result in cooler grinding.

VICTOGRAIN products are some of the most effective grinding tools in the world. The triangular, precision-formed abrasive grain from PFERD TOOLS helps provide a uniquely high level of abrasive performance. The VICTOGRAIN abrasive grit triangles are identical in shape and size and their cutting edges are applied to the workpiece at the optimum angle, meaning the grit needs very little energy to penetrate the workpiece. The user thus benefits from an efficient machining process with fast work progress, a long tool life, a reduced influx of heat into the workpiece and a lower power output required for the tool drive. The VICTOGRAIN abrasive triangles are fixed to the substrate on one of their sides. This means they are securely fixed in place and, together with their slim design, offer an extremely large chip space in order to further improve machining efficiency. The structure of the triangular VICTOGRAIN has also been specially adapted to maximize results. The very small crystals inside the triangles ensure optimal wear characteristics as sharp cutting edges are always exposed, but only the minimum amount of abrasive grain/the triangle breaks off. By combining all these properties together, users benefit from the ultimate, constant performance during cool grinding and an extremely long tool life together with consistent workpiece surface roughness.

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## Technical information

Abrasive	VICTOGRAIN-COOL
Dia. external	180 mm
Dia. hole	22 mm
Grit size	60
Max. RPM	8500 RPM
PFERD TOOLS type	FS 180-22 VICTOGRAIN-COOL 60

## Advantages

- ✔ High economic efficiency thanks to long tool life and very high stock removal rate.
- ✔ Consistent surface finish thanks to high-quality abrasives.
- ✔ Highly flexible, enabling optimal adjustment to the contour.
- ✔ Efficient machining process with fast work progress, long tool life, less heat build-up in the workpiece, and a lower power output required for the tool drive thanks to VICTOGRAIN abrasive grain.

## Recommendations for use

- ✔ Use fibre disc in accordance with ISO 15636 with backing pad on commercially available angle grinders.
- ✔ Use grinding oil that is suitable for the material in order to significantly increase the tool life and the abrasive performance of the tools.

## Ordering notes

- ✔ Please order backing pad separately.

## Safety notes

- ✓ The maximum permitted peripheral speed is 80 m/s.
  - ✓ For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
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## Materials that can be worked

- ✓ Cast steel
  - ✓ Hardened, heat-treated steels over 1.200 N/mm<sup>2</sup> (< 38 HRC)
  - ✓ Hard non-ferrous metal
  - ✓ Nickel-based alloys (e.g. Inconell and Hastelloy)
  - ✓ Stainless steel (INOX)
  - ✓ Steel
  - ✓ Steel, cast steel
  - ✓ Steels up to 1,200 N/mm<sup>2</sup> (< 38 HRC)
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## Applications

- ✓ Deburring
  - ✓ Leveling
  - ✓ Surface work
  - ✓ Working on edges
  - ✓ Work on weld seams
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## Drive types

- ✓ Angle grinder
  - ✓ Cordless angle grinder
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**PFERD  
TOOLS**



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