



COMBICLICK fibre disc dia. 125 mm VICTOGRAIN-COOL36 for steel and stainless steel

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The COMBICLICK system consists of a specially developed backing pad and a rugged mounting system at the back of the tool. With the backing pad, COMBICLICK tools can be used on commercially available angle grinders. The unique geometry of the cooling slots ensures high air throughput, which in turn considerably reduces the thermal load on the abrasive material and the workpiece. Compared with conventional tools, the quick-mounting system, robust holder, secure tool-locking feature and integrated cooling system together achieve a workpiece temperature that is 30 % lower, a 25 % higher stock removal rate, a 30 % longer tool life, and better utilization of the abrasive material.

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.

Technical information

Abrasive	VICTOGRAIN-COOL
Dia. external	125 mm
Grit size	36
Max. RPM	12200 RPM

Advantages

- ✓ The innovative quick-mounting system ensures convenient handling and cool grinding.
- ✓ High economic efficiency thanks to long tool life and very high stock removal rate.
- ✓ Consistent surface finish thanks to high-quality abrasives.
- ✓ Extremely quick and easy tool changes, which reduces process costs.
- ✓ Using COMBICLICK helps to avoid scratches caused by protruding clamping pieces, and exploits the abrasive material that is available.
- ✓ 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 COMBICLICK fibre discs with the COMBICLICK 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.
- ✓ Use powerful angle grinders.
- ✓ Particularly soft and flexible grinding performance with face-down grinding.

Ordering notes

- ✓ Please order COMBICLICK backing pads separately.
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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/mm² (< 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/mm² (< 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
 - ✓ Drive spindle
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**PFERD
TOOLS**



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