

High-performance tools with VICTOGRAIN abrasive grain

VICTOGRAIN products are some of the most effective grinding tools in the world. PFERD's triangular, precision-formed abrasive grain achieves uniquely high abrasive performance.



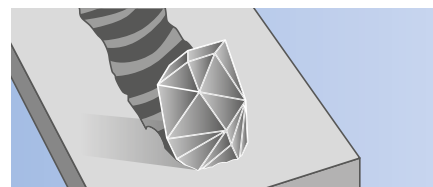
The **VICTOGRAIN** abrasive grain triangles are identical in shape and size and their cutting edges are applied to the workpiece at the optimum angle, meaning the grain needs very little energy to penetrate the workpiece. As such, the user benefits from an efficient machining process with

- fast working,
- a long tool life,
- less heat build-up in the workpiece, and
- a lower power output required for the tool drive.

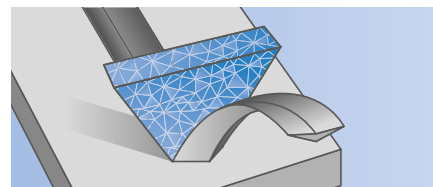
The **VICTOGRAIN** abrasive grain triangles are fixed to the substrate on one of their sides. This means they are securely fixed in place and, together with their slim design, offer an extremely large chip space in order to further improve machining efficiency.

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 optimal, constant performance during cool grinding and an extremely long tool life together with consistent workpiece surface roughness.



Conventional abrasive grain



VICTOGRAIN abrasive grain



The **VICTOGRAIN** abrasive grain is optimally aligned

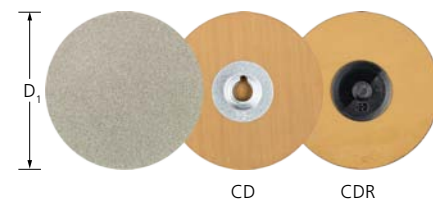
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Diamond type

Exceptionally suitable for work on wear-resistant coatings and for hard facings made of tungsten carbide, chromium carbide, titanium carbide, etc. Particularly recommended for work on materials used for aircraft engine construction, e.g. Hastelloy, Inconel and titanium/titanium alloys. Also highly suitable for work on extremely hard materials such as tungsten carbide, glass, ceramics, enamel, stone and GRP/CRP.

Detailed information on diamond grinding tools can be found in catalogue section 5.



Abrasive:

Diamond

D 251 = P 60

D 126 = P 120

D 76 = P 220

(P = Grit size according to ISO 6344)

Ordering notes:

- Please complete the description with the desired grit size.
- Grit sizes are indicated in μm .

PFERDVALUE:



Vibration Filter



Noise Filter



Emission Filter




Haptic Filter



Time Saving

Recommendations for use:

- For the best results, use at a recommended cutting speed of 10–20 m/s.
- Use with hard or medium-hard COMBIDISC abrasive disc holders.

D ₁ [mm]	Grit size [μm]			Opt. RPM		Description
	251	126	76			
	EAN 4007220					

CD system



25	750292	750315	750322	7,500–15,000	10	CD DIA 25 D ...
38	750339	750346	750353	5,000–10,000	10	CD DIA 38 D ...
50	750360	750377	750384	3,800–7,500	10	CD DIA 50 D ...
75	750391	750407	750414	2,500–5,000	10	CD DIA 75 D ...

CDR system



25	750421	750438	750445	7,500–15,000	10	CDR DIA 25 D ...
38	750452	750469	750476	5,000–10,000	10	CDR DIA 38 D ...
50	750483	750490	750506	3,800–7,500	10	CDR DIA 50 D ...
75	750513	750520	750537	2,500–5,000	10	CDR DIA 75 D ...