

VICTOGRAIN®
No surface is safe.



TRUST BLUE

- Triangular, precision-formed abrasive grain
 - Maximum stock removal
 - Extremely long service life
-

VICTOGRAIN®

General information

VICTOGRAIN® abrasive material is used to make some of the most effective grinding products in the world. PFERD's triangular, precision-formed grain achieves ultimate 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 a result, the user experiences superior productivity due to:

- extremely high stock removal,
- a long service life,
- and reduced heat build-up in the workpiece.

Each **VICTOGRAIN®** abrasive grain triangle is firmly fixed on one of its sides to the backing material. Due to the slim design, **VICTOGRAIN®** offers an extremely large chip space for maximum cutting efficiency.

The structure of the triangular **VICTOGRAIN®** is specially engineered to maximize results. The very fine crystalline structure ensures optimal wear characteristics as sharp cutting edges are always exposed, with the minimum amount of abrasive breaking off from the triangle.

By combining all these properties together, users benefit from optimal, consistent performance, cool grinding and an extremely long service life with uniform workpiece surface roughness.

Applications:

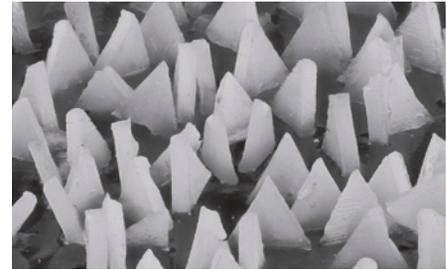
- Levelling
- Deburring
- Surface work
- Work on edges
- Work on weld seams

Compatible power tools:

- Angle grinders
- Cordless angle grinders
- Flexible shaft drives

PFERD tools with VICTOGRAIN® abrasive grain

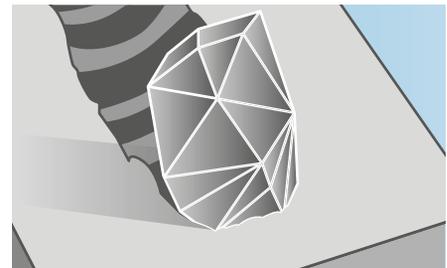
Picture	Designation	Page
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	CC-GRIND®-SOLID	9



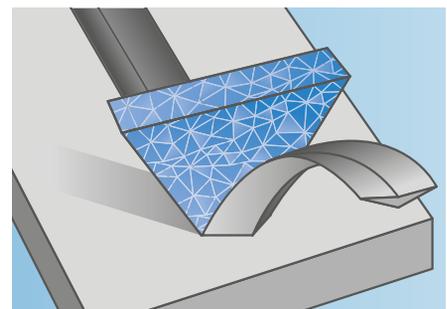
The **VICTOGRAIN®** abrasive grain is optimally aligned



VICTOGRAIN® coated abrasive material



Conventional abrasive grain



VICTOGRAIN® abrasive grain



PFERDVIDEO:

Learn more about the advantages of using **VICTOGRAIN®** products.

VICTOGRAIN® COMBICLICK® fibre discs

The wide range of COMBICLICK® fibre discs offers the best product for any grinding application, from coarse to fine.

Advantages:

- Innovative quick-mounting system guarantees convenient handling and cool grinding.
- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish resulting from high-quality abrasives.

Applications:

- Leveling
- Deburring
- Surface work
- Work on edges
- Work on weld seams
- Step-by-step fine grinding

Recommendations for use:

- Use COMBICLICK® fibre discs with COMBICLICK® backing pads on commercially available angle grinders.

Compatible power tools:

- Angle grinders
- Cordless angle grinders

Ordering notes:

- Order COMBICLICK® backing pads separately. Detailed information and ordering data for backing pads can be found on page 5.

Safety notes:

- The maximum permitted peripheral speed is 15,800 SFPM.
- For safety reasons, it is imperative to remain within the stated maximum permitted rotational speed at all times.



Accessories:

- COMBICLICK® backing pads

VICTOGRAIN®

For extremely aggressive grinding with an extremely high service life and an outstanding stock removal rate on steel and hard materials.

Outstanding, constant high performance due to the VICTOGRAIN® abrasive grain.

Abrasive: VICTOGRAIN®

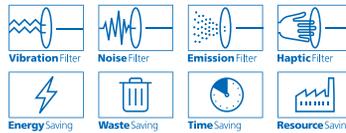
Recommendations for use:

- Use powerful angle grinders.

Ordering notes:

- Please order COMBICLICK® backing pad separately.

PFERDVALUE®:



D [Inches]	Grit and EDP number	Max. RPM	
	36		
4-1/2	40371	13,300	25
5	40372	12,200	25
7	40373	8,500	25



VICTOGRAIN® COMBICLICK® fibre discs

VICTOGRAIN®-COOL

For maximum removal rates with an extremely long service life on steel and materials which are hard or have poor heat-conducting properties.

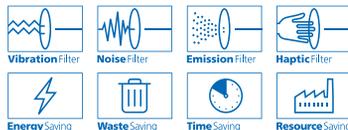
Outstanding, consistent high performance due to the **VICTOGRAIN®** abrasive grain.

Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.



Abrasive:
VICTOGRAIN®-COOL

PFERDVALUE®:



Recommendations for use:

- Use with COMBICLICK® backing pads on commercially available angle grinders.

D [Inches]	Grit and EDP number	Max. RPM	
	24		
4-1/2	40380	13,300	25
5	40381	12,200	25
7	40382	8,500	25



VICTOGRAIN® COMBICLICK® backing pads

Backing pads

With this backing pad, COMBICLICK® discs can be used on commercially available angle grinders.

The different hardnesses are colour-coded:
CC-GT (medium) = black
CC-H-GT (hard) = blue

Advantages:

- The geometry of the cooling slots significantly reduces the thermal load.
- High productivity due to minimized disc change times.

Recommendations for use:

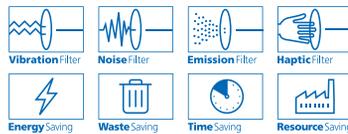
- CC-H-GT backing pads is mainly used to work on stainless steel (INOX). It features very high edge strength, which enables a higher contact pressure.

Safety notes:

- The maximum approved peripheral speed is 15,800 SFPM.
- For backing pads with a 7 inch diameter, do not apply too high a contact pressure in order to prevent the backing pad from overstretching.



PFERDVALUE®:



Disc diameter [Inches]	Thread	Hardness	EDP number	Max. RPM	
4-1/2 and 5	5/8-11	medium	69470	13,300	1
		hard	69478	13,300	1
5	5/8-11	medium	69472	12,200	1
		hard	69473	12,200	1
7	5/8-11	medium	69474	8,500	1



PFERDVIDEO:

Learn more about the advantages of using COMBICLICK® products.



PFERDVIDEO:

Learn more about the advantages of using COMBICLICK® products with VICTOGRAIN® abrasive grain.



The whole COMBICLICK® product range can be found in the brochure "COMBICLICK® – Perfect results due to a well-designed system" on www.pferd.com.



The extensive range of fibre discs provides the optimum product for any machining application, from coarse to fine grinding. PFERD provides fibre discs with various grit sizes, abrasives and dimensions. In accordance with ISO 16057, PFERD fibre discs are manufactured in shape A2, type F, and designated "vulcanized fibre discs".

Advantages:

- High productivity due to long service life and very high stock removal rate.
- Consistent surface finish resulting from high-quality abrasives.
- Optimum adaptation to contours due to high flexibility.

Applications:

- Leveling
- Deburring
- Surface work
- Work on edges
- Work on weld seams
- Step-by-step fine grinding

Recommendations for use:

- Use fibre discs conforming to ISO 15636 with backing pads on commercially available angle grinders.

Compatible power tools:

- Angle grinders
- Cordless angle grinders

Safety notes:

- The maximum approved peripheral speed is 15,800 SFPM.
- For safety reasons, it is imperative to remain within the stated maximum permitted rotational speed at all times.



Ordering notes:

- Please order backing pads separately. More detailed information and ordering data for backing pads can be found on page 8.

Accessories:

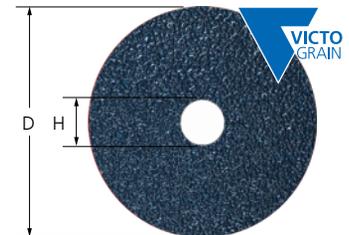
- Backing pads

VICTOGRAIN®

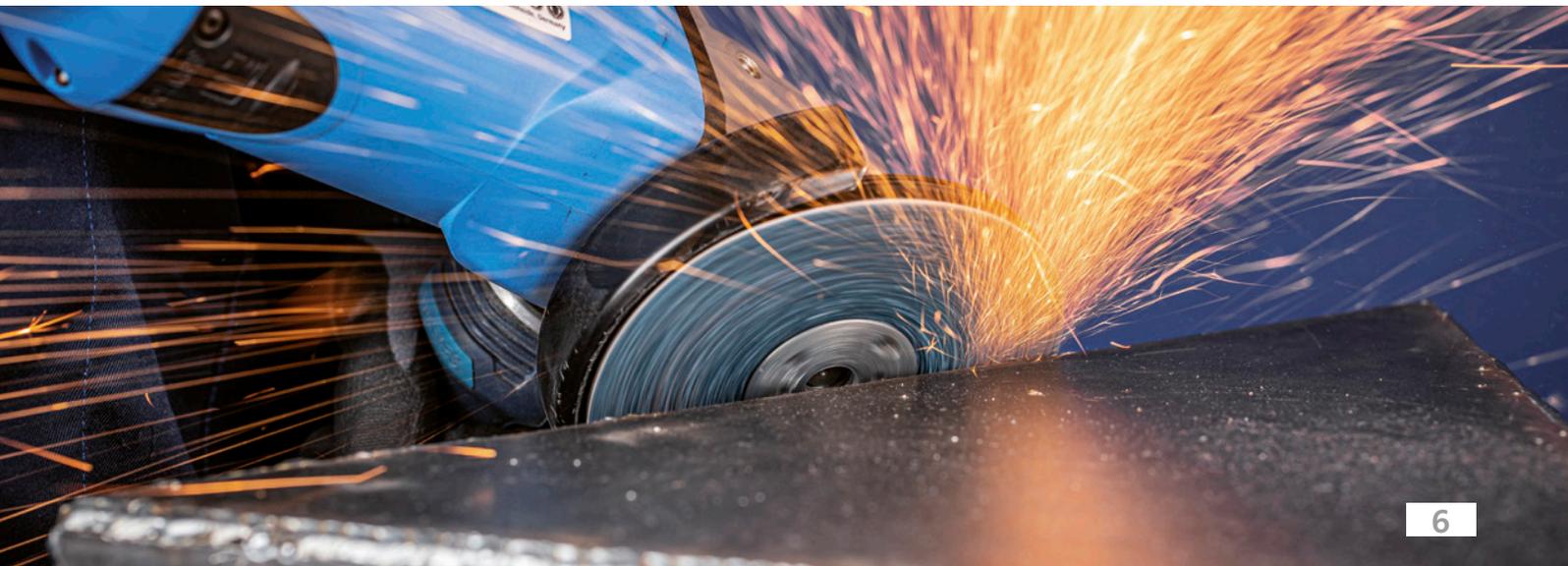
For extremely aggressive grinding with an extremely high service life and an outstanding stock removal rate on steel and hard materials.

Outstanding, constant high performance due to the VICTOGRAIN® abrasive grain.

Abrasive:
VICTOGRAIN®



D [Inches]	H [mm]	Grit and EDP number	Max. RPM	
		36		
4-1/2	7/8	40336	13,300	25
5	7/8	40337	12,200	25
7	7/8	40338	8,500	25



VICTOGRAIN®

Fibre discs

VICTOGRAIN®-COOL

For maximum removal rates with an extremely long service life on steel and materials which are hard or have poor heat-conducting properties.

Outstanding, consistent high performance due to the VICTOGRAIN® abrasive grain.

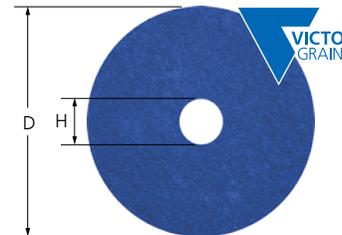
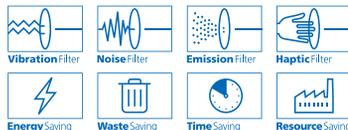
Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Abrasive:
VICTOGRAIN®-COOL

Recommendations for use:

- For best results, use with high powered angle grinders.

PFERDVALUE®:



D [Inches]	Grit and EDP number	Max. RPM	
	36		
4-1/2	40340	13,300	25
5	40341	12,200	25
7	40342	8,500	25



VICTOGRAIN®

Backing pads for fibre discs

Backing pads for fibre discs

Backing pads for fibre discs used on commercially available angle grinders.

Rubber backing pads:

Rubber backing pad with a ribbed surface for better cooling to improve disc life. Available in three densities.

High-performance backing pads:

High-performance backing pad with a long service life due to abrasion-resistant, glass-fibre-reinforced plastic. Cool grinding due to radially arranged cooling fins, and high fibre disc stock removal rate due to sturdy, rigid design.

Temperature-resistant backing pads:

Temperature-resistant backing pad with a long service life due to the highly temperature-resistant material. High-precision work with flexible density. Maximum stock removal with hard density.



Rubber

High-performance

Temperature-resistant

Ordering notes:

- The compatible clamping nut is included.

Accessories:

- Clamping nuts for backing pads

Compatible with these disc dia. [Inches]	Thread size [Inches]	Backing density	EDP number	Compatible clamping nut	Max. RPM	
Rubber backing pads (ribbed surface)						
4-1/2	5/8-11	Regular (R)	69455	69107	13,300	1
5	5/8-11	Regular (R)	69525	69107	12,200	1
7	5/8-11	Flexible (F)	69704	69108	8,500	1
		Regular (R)	69705	69108	8,500	1
		Hard (H)	69706	69108	8,500	1
High-performance backing pads						
4-1/2	5/8-11	Hard (H)	69481	42071	13,300	1
5	5/8-11	Hard (H)	69484	42071	12,200	1
7	5/8-11	Hard (H)	69487	42071	8,500	1
Temperature-resistant backing pads						
4-1/2	5/8-11	Flexible (F)	69480	42071	13,300	1
		Hard (H)	69482	42071	13,300	1
5	5/8-11	Flexible (F)	69483	42071	12,200	1
		Hard (H)	69485	42071	12,200	1
7	5/8-11	Flexible (F)	69486	42071	8,500	1
		Hard (H)	69488	42071	8,500	1



The COMBIDISC® product range contains a wide selection of grinding products for surface finishing. From coarse machining and surface texturing to face-down mirror polishing – the range provides the best product, even for complicated applications.

Advantages:

- Reduced down time due to quick disc changes.
- Great convenience due to simple handling and low-vibration working.
- No operational disruptions caused by sticking, slipping or disengaging.

Applications:

- Roughing
- Leveling
- Deburring
- Surface work
- Work on edges
- Polishing
- Cleaning
- Sharpening
- Work on weld seams
- Structuring surfaces
- Step-by-step fine grinding

Recommendations for use:

- Use COMBIDISC® grinding discs with arbors or abrasive disc holders on flexible shaft drives with angle handpieces, compressed-air or electric angle grinders.

Compatible power tools:

- Flexible shaft drives
- Straight grinders
- Angle grinders
- Cordless angle grinders

Ordering notes:

- Please order arbors or COMBIDISC® abrasive disc holders separately. More detailed information and ordering data can be found on page 10.

Safety notes:

- The maximum permitted peripheral speed is 9,800 SFPM.
- For safety reasons, it is imperative to remain within the stated maximum permitted rotational speed at all times.



Accessories:

- Arbors for COMBIDISC® Mini-POLIFAN
- COMBIDISC® abrasive disc holders

VICTOGRAIN®-COOL mini fibre discs

Well-suited for surface and edge grinding. The fibre backing considerably strengthens the abrasive disc and improves stock removal.

For maximum removal rates with an extremely long service life on steels and materials which are hard or have poor heat-conducting properties.

Outstanding, consistent high performance due to the VICTOGRAIN® abrasive grain.

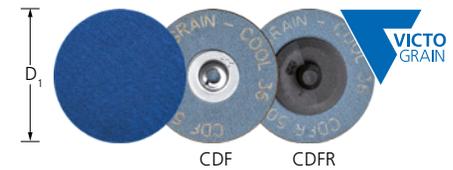
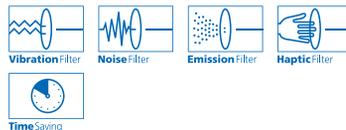
Active grinding additives in the coating substantially improve the stock removal rate, prevent loading and result in cooler grinding.

Abrasive:
VICTOGRAIN®-COOL

Recommendations for use:

- Use COMBIDISC® grinding products with arbors or abrasive disc holders on flexible shaft drives with angle handpieces, compressed-air or electric angle grinders.

PFERDVALUE®:



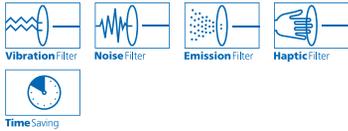
	D ₁ [mm]	Grit and EDP number 36	Opt. RPM	
CD system 	2	42433	3,800–13,000	100
	3	42434	2,500–9,000	50
CDR system 	2	42441	3,800–13,000	100
	3	42442	2,500–9,000	50

VICTOGRAIN® COMBIDISC® backing pads

Backing pads

Matching backing pads for COMBIDISC® quick-change discs. Available in three different hardness grades.

PFERDVALUE®:



D [Inches]	S [Inches]	EDP number		Max. RPM	
		Type CD 	Type CDR 		
Soft					
1-1/2	1/4	42108	42456	20,000	1
2	1/4	42111	42459	20,000	1
3	1/4	42114	42462	12,000	1
Medium					
1	1/4	42106	42454	40,000	1
1-1/2	1/4	42109	42457	25,000	1
2	1/4	42112	42460	25,000	1
3	1/4	42115	42463	20,000	1
4	1/4	-	42465	10,000	1
Hard					
1-1/2	1/4	42110	42458	30,000	1
2	1/4	42113	42461	30,000	1
3	1/4	42116	42464	20,000	1



PFERDVIDEO:

Learn more about the advantages of using COMBIDISC® products.



For more detailed information about the COMBIDISC® product range, please refer to our brochure "COMBIDISC® grinding products" at www.pferd.com.

VICTOGRAIN®

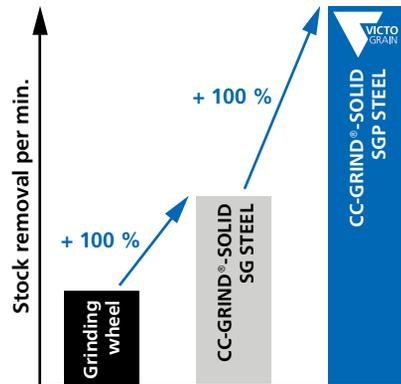
CC-GRIND® grinding discs – Special Line SGP ★★★★★

CC-GRIND®-SOLID

The **VICTOGRAIN®** CC-GRIND®-SOLID is an innovative, state-of-the-art grinding disc.

Advantages:

- Providing the ultimate in aggressive performance for super-fast working.
- Although the **VICTOGRAIN®** products only come with a single coating of abrasive grit, they offer an outstanding service life which exceeds that of conventional grinding wheels and many flap discs.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50 %, dust by 80 %.
- The layered structure of the fibreglass backing pad guarantees that it is just as durable and safe to use as a conventional grinding wheel.
- Clearly superior surface compared to conventional grinding wheels.



CC-GRIND®-SOLID SGP STEEL ★★★★★

Workpiece materials:
steel

Applications:
surface grinding, weld dressing, chamfering, deburring

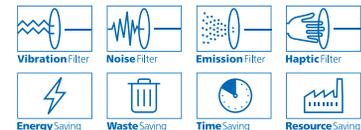
Recommendations for use:

- For optimum results, use with a flat contact angle and the SFS CC-GRIND® clamping flange set.
- Only use the face of the disc, not suitable for peripheral grinding (on edge).

Ordering notes:

- Please order clamping flange set SFS separately.

PFERDVALUE®:



D [Inches]	H [Inches]	EDP number	Compatible mounting flange set	Max. RPM	
SOLID – plain arbor hole 					
4-1/2	7/8	61167	EDP 69116 (5/8-11)	13,300	10
5	7/8	61168	EDP 69116 (5/8-11)	12,200	10
6	7/8	61169	EDP 69117 (5/8-11)	10,200	10
7	7/8	61170	EDP 69117 (5/8-11)	8,500	10
SOLID – threaded arbor hole 					
4-1/2	5/8-11	61171	-	13,300	10
5	5/8-11	61172	-	12,200	10
6	5/8-11	61173	-	10,200	10
7	5/8-11	61174	-	8,500	10

CC-GRIND®-SOLID SGP INOX ★★★★★

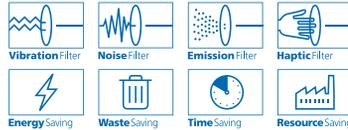
Workpiece materials:
 stainless steel (INOX)

Applications:
 weld dressing, chamfering, deburring

- Recommendations for use:**
- For optimum results, use with a flat contact angle and the SFS CC-GRIND® clamping flange set.
 - Only use the face of the disc, not suitable for peripheral grinding (on edge).

Ordering notes:
 ■ Please order clamping flange set SFS separately.

PFERDVALUE®:



D [Inches]	H [Inches]	EDP number	Compatible mounting flange set	Max. RPM	
SOLID – plain arbor hole					
4-1/2	7/8	61240	EDP 69116 (5/8-11)	13,300	10
5	7/8	61241	EDP 69116 (5/8-11)	12,200	10
7	7/8	61242	EDP 69117 (5/8-11)	8,500	10
SOLID – threaded arbor hole					
4-1/2	5/8-11	61243	-	13,300	10
5	5/8-11	61244	-	12,200	10
7	5/8-11	61245	-	8,500	10

CC-GRIND® mounting flange set

The CC-GRIND® mounting flange set optimally aligns the CC-GRIND®-SOLID and -FLEX in the angle grinder protective guard. This allows a very flat contact angle with maximum efficiency.

The black backing pad is placed on the original mounting flange of the angle grinder. The silver flange nut replaces the original flange nut.



D [Inches]	H [Inches]	EDP number	
4-1/2, 5	5/8-11	69116	1
6, 7	5/8-11	69117	1



PFERDVIDEO:

Learn more about the advantages of using CC-GRIND®-SOLID grinding discs.



The whole CC-GRIND® grinding discs product range can be found in the brochure "The CC-GRIND® system – SOLID, FLEX and STRONG – The pro for stock removal" on www.pferd.com.

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