The CC-GRIND system

SOLID, FLEX, STRONG and ROBUST – The pro for stock removal



TRUST BLUE

- Ultimate stock removal rates
- 50 % less noise and vibration compared with a grinding wheel
- As sturdy and safe as a grinding wheel

CC-GRIND grinding discs
The fast way to the best tool

CC-GRIND-SOLID and CC-GRIND-ROBUST

With the CC-GRIND-SOLID and CC-GRIND-ROBUST, PFERD offers two modern, high-performance and ergonomic alternatives to conventional grinding wheels, flap wheels and fibre discs.

Further information on CC-GRIND-SOLID can be found on page 3 (SG ★★★☆) and page 8 (SGP ★★★★). More information on CC-GRIND-ROBUST can be found on page 6 (SG ★★★☆) and page 9 (SGP ★★★★).

CC-GRIND-FLEX

The CC-GRIND-FLEX is the semi-flexible addition to the CC-GRIND-SOLID. It was specially developed for work on weld seams. Butt welds can be smoothed completely flat. This gets rid of any dents and bumps that are visible, particularly after painting or varnishing.

For more information please see page 4 (SG ★★★☆) and page 8 (SGP ★★★★).

CC-GRIND-STRONG

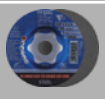
The CC-GRIND-STRONG is the stepping stone between the classic conventional grinding wheel (the backing pad also grinds) and the modern alternative CC-GRIND-SOLID (fast, ergonomic grinding).

For more information please see page 5.


CC-GRIND-SOLID


CC-GRIND-STRONG

Product group selection

Application	Product line	Steel (STEEL)				Stainless steel (INOX)	
		...-SOLID	...-FLEX	...-STRONG	...-ROBUST	...-SOLID	...-ROBUST
■ Surface grinding ■ Levelling ■ Work on weld seams ■ Chamfering ■ Deburring	**Performance Line SG** ★★★☆	 CC-GRIND-SOLID SG STEEL page 3		 CC-GRIND-STRONG SG STEEL page 5	 CC-GRIND-ROBUST SG STEELOX page 6	 CC-GRIND-SOLID SG INOX page 3	 CC-GRIND-ROBUST SG STEELOX page 6
	Special Line SGP ★★★★	 CC-GRIND-SOLID SGP STEEL page 8			 CC-GRIND-ROBUST SGP STEELOX page 9	 CC-GRIND-SOLID SGP INOX page 8	 CC-GRIND-ROBUST SGP STEELOX page 9
■ Levelling butt welds	**Performance Line SG** ★★★☆		 CC-GRIND-FLEX SG STEEL page 4				
	Special Line SGP ★★★★		 CC-GRIND-FLEX SGP STEEL page 8				


The CC-GRIND-SOLID-DIAMOND can be found in our Tool Manual 23 in catalogue section 5.

CC-GRIND-SOLID

With the CC-GRIND-SOLID, PFERD offers a modern, high-performance and ergonomic alternative to conventional grinding wheels.

Advantages:

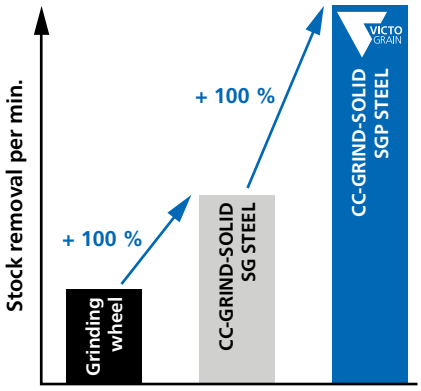
- The fastest work progress due to highly aggressive abrasive.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50 %, dust by 80 %.
- Layered structure of the glass fibre backing pad guarantees use that is just as durable and safe as with a conventional grinding wheel.
- Clearly superior surface compared to conventional grinding wheels.

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.

PFERDVIDEO:

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



CC-GRIND-SOLID SG STEEL ★★★☆

Grinding disc for steel with high grinding performance and very long tool life.

Materials that can be worked:
steel

Applications:
surface grinding, weld dressing, chamfering, deburring

Ordering notes:
- Please order clamping flange set SFS separately. More detailed information and ordering data can be found on page 10.

PFERDVALUE:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving



D [mm]	EAN 4007220	H [mm]	Max. RPM		Description
SOLID					
100	919682	16.0	15,300	10	CC-GRIND-SOLID 100 SG STEEL/16,0
115	887059	22.23	13,300	10	CC-GRIND-SOLID 115 SG STEEL
125	887073	22.23	12,200	10	CC-GRIND-SOLID 125 SG STEEL
150	952894	22.23	10,200	10	CC-GRIND-SOLID 150 SG STEEL
180	887080	22.23	8,500	10	CC-GRIND-SOLID 180 SG STEEL

CC-GRIND-SOLID SG INOX ★★★☆

Grinding disc for stainless steel (INOX) with high grinding performance and very long tool life.

Materials that can be worked:
stainless steel (INOX)

Applications:
weld dressing, chamfering, deburring

Ordering notes:
- Please order clamping flange set SFS separately. More detailed information and ordering data can be found on page 10.

PFERDVALUE:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter · Energy Saving · Time Saving



D [mm]	EAN 4007220	H [mm]	Max. RPM		Description
SOLID					
115	900895	22.23	13,300	10	CC-GRIND-SOLID 115 SG INOX
125	900901	22.23	12,200	10	CC-GRIND-SOLID 125 SG INOX
180	900918	22.23	8,500	10	CC-GRIND-SOLID 180 SG INOX

CC-GRIND-FLEX

The CC-GRIND-FLEX is the semi-flexible addition to the CC-GRIND-SOLID. It was specially developed for work on weld seams. Butt welds can be smoothed completely flat. This gets rid of any dents and bumps that are visible, particularly after painting or varnishing.



Advantages:

- The fastest work progress due to highly aggressive abrasive.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50 %, dust by 80 %.
- Layered structure of the glass fibre backing pad guarantees use that is just as durable and safe as with a conventional grinding wheel.
- Complete smoothing of butt welds – without dents or bumps.
- Clearly superior surface compared to conventional grinding wheels.

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.

PFERDVIDEO:

Learn more about the advantages of using CC-GRIND-FLEX ginding discs.

CC-GRIND-FLEX SG STEEL ★★★☆

Semi-flexible grinding disc for steel with high grinding performance and very long tool life.

Materials that can be worked:
steel

Applications:
weld dressing, surface grinding

Ordering notes:
- Please order clamping flange set SFS separately. More detailed information and ordering data can be found on page 10.

PFERDVALUE:

Vibration Filter | Noise Filter | Emission Filter | Haptic Filter | Energy Saving | Time Saving



	D [mm]	Grit size FINE	Grit size COARSE	H [mm]	Max. RPM		Description
		EAN 4007220					
FLEX							
	115	032800	032824	22.23	13,300	10	CC-GRIND-FLEX 115 ... SG STEEL
	125	032817	032831	22.23	12,200	10	CC-GRIND-FLEX 125 ... SG STEEL



CC-GRIND-STRONG

The CC-GRIND-STRONG is the stepping stone between the classic grinding wheel (the backing pad also grinds) and the modern alternative CC-GRIND-SOLID (fast, ergonomic grinding).

Advantages:

- Three times the tool life compared to CC-GRIND-SOLID SG STEEL due to backing pad that also grinds and three abrasive layers that can be worked through one by one.
- The fastest work progress due to highly aggressive abrasive.
- Significantly more ergonomic than a conventional grinding wheel: noise and vibrations are reduced by 50 %, dust by 70 %.
- Clearly superior surface compared to conventional grinding wheels.





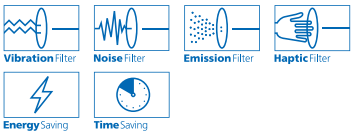
CC-GRIND-STRONG SG STEEL ★★★☆

Grinding disc for steel with highest grinding performance and outstanding tool life.

Materials that can be worked:
steel, scale

Applications:
surface grinding, weld dressing, chamfering, deburring

PFERDVALUE:





D [mm]	EAN 4007220	H [mm]	Max. RPM		Description
STRONG					
115	104477	22.23	13,300	10	CC-GRIND-STRONG 115 SG STEEL
125	104484	22.23	12,200	10	CC-GRIND-STRONG 125 SG STEEL



CC-GRIND grinding discs
Performance Line SG ★★★☆

CC-GRIND-ROBUST

With the CC-GRIND-ROBUST, PFERD offers a modern, high-performance and ergonomic alternative to conventional grinding wheels, flap wheels and fibre discs.



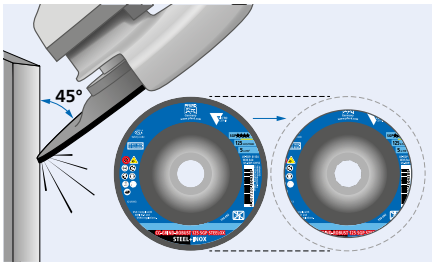


Advantages:

- The fastest work progress due to highly aggressive abrasive.
- Glass fibre backing pad guarantees durable and safe use.
- Significantly more ergonomic than a conventional grinding wheel: noise, vibrations and dust are significantly reduced. In addition, a clearly superior surface is achieved.
- Compared to flap discs, flat surfaces can be achieved due to the dimensional stability.
- Unlike fibre discs, the CC-GRIND-ROBUST does not deform even under extreme climatic conditions and is significantly more robust in rough use.
- Thanks to the adapted geometry, the use of a special clamping flange set is not necessary.
- Resetting/trimming the tool is possible without any problems.

Recommendations for use:

- Trim the CC-GRIND-ROBUST on sharp metal edges, files or with cutting inserts.
- Trimming may only be carried out with a contact angle of 45°.
- Press the tool carefully on to the workpiece and increase the pressure until a chip is formed. Keep the pressure until the tool has been brought to the desired dimension.





CC-GRIND-ROBUST SG STEELOX ★★★☆

Grinding wheel for steel and stainless steel (INOX) with high grinding performance and long tool life.

Materials that can be worked:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, chamfering, deburring

Recommendations for use:
- For optimum results, use with a flat contact angle.
- Only use the face of the disc, not suitable for peripheral grinding.
- Choose the CC-GRIND-ROBUST SG STEELOX for deburring.

PFERDVALUE:

Vibration Filter | Noise Filter | Emission Filter | Haptic Filter | Energy Saving | Time Saving

D [mm]	EAN 4007220	H [mm]	Max. RPM		Description
ROBUST					
115	304419	22.23	13,300	10	CC-GRIND-ROBUST 115 SG STEELOX
125	304433	22.23	12,200	10	CC-GRIND-ROBUST 125 SG STEELOX



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.

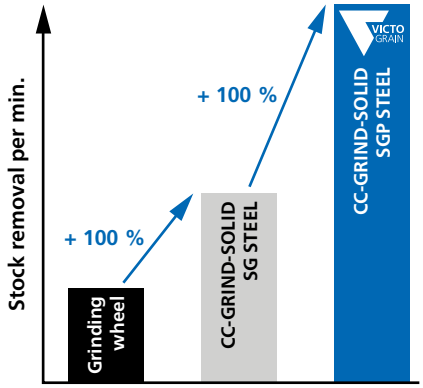
The **VICTO**GRAIN abrasive grain triangles are identical in shape and size and their cutting edges are applied to the workpiece at the optimum angle, meaning the grain needs very little energy to penetrate the workpiece. As such, the user benefits from an efficient machining process with
- fast working,
- a long tool life,
- less heat build-up in the workpiece, and
- a lower power output required for the tool drive.

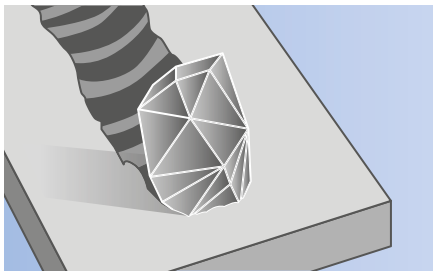
The **VICTO**GRAIN abrasive grain triangles are fixed to the substrate on one of their sides. This means they are securely fixed in place and, together with their slim design, offer an extremely large chip space in order to further improve machining efficiency.

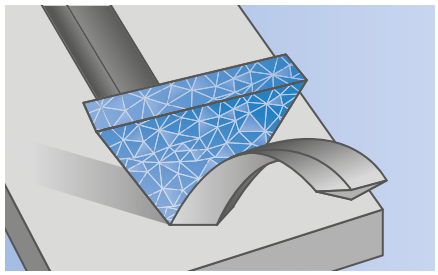
The structure of the triangular **VICTO**GRAIN has also been specially adapted to maximize results. The very small crystals inside the triangles ensure optimal wear characteristics as sharp cutting edges are always exposed, but only the minimum amount of abrasive grain/the triangle breaks off.

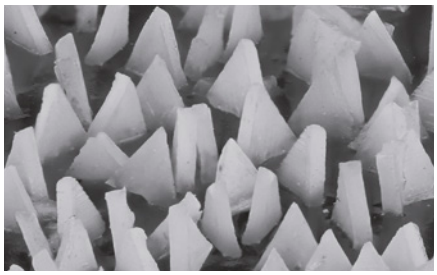
By combining all these properties together, users benefit from optimal, constant performance during cool grinding and an extremely long tool life together with consistent workpiece surface roughness.

The **VICTO**GRAIN products, CC-GRIND-SOLID SGP and CC-GRIND-FLEX SGP, unite the best available abrasive with innovative, state-of-the-art PFERD tool designs:
- Providing the ultimate in aggressive performance for super-fast working.
- Although the **VICTO**GRAIN tools only come with a single coating of abrasive grit, they offer an outstanding tool 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 glass fibre 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.




Conventional abrasive grit


VICTOGRAIN abrasive grit


The **VICTO**GRAIN abrasive grit is optimally aligned

The complete range of **VICTO**GRAIN products can be found in our brochure "**VICTO-**GRAIN – Simply better" at www.pferd.com.



PFERDVIDEO**:**

Learn more about the advantages of using **VICTO**GRAIN products.



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

CC-GRIND-SOLID SGP STEEL ★★★★



Grinding disc with precision-formed, triangular **VICTO**GRAIN abrasive grain for steel with highest grinding performance and outstanding tool life.

Materials that can be worked:
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.

Ordering notes:
- Please order clamping flange set SFS separately. More detailed information and ordering data can be found on page 10.

PFERDVALUE:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter
Energy Saving · Waste Saving · Time Saving · Resource Saving

D [mm]	EAN 4007220	H [mm]	Max. RPM		Description
SOLID					
100	104965	16.0	15,300	10	CC-GRIND-SOLID 100 SGP STEEL/16,0
115	104972	22.23	13,300	10	CC-GRIND-SOLID 115 SGP STEEL
125	104989	22.23	12,200	10	CC-GRIND-SOLID 125 SGP STEEL
150	104996	22.23	10,200	10	CC-GRIND-SOLID 150 SGP STEEL
180	105009	22.23	8,500	10	CC-GRIND-SOLID 180 SGP STEEL

CC-GRIND-SOLID SGP INOX ★★★★



Grinding disc with precision-formed, triangular **VICTO**GRAIN abrasive grain for stainless steel (INOX) with highest grinding performance and outstanding tool life.

Materials that can be worked:
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.

Ordering notes:
- Please order clamping flange set SFS separately. More detailed information and ordering data can be found on page 10.

PFERDVALUE:

Vibration Filter · Noise Filter · Emission Filter · Haptic Filter
Energy Saving · Waste Saving · Time Saving · Resource Saving

D [mm]	EAN 4007220	H [mm]	Max. RPM		Description
SOLID					
115	105016	22.23	13.300	10	CC-GRIND-SOLID 115 SGP INOX
125	105023	22.23	12,200	10	CC-GRIND-SOLID 125 SGP INOX
180	105030	22.23	8,500	10	CC-GRIND-SOLID 180 SGP INOX



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

CC-GRIND-FLEX SGP STEEL ★★★★



Semi-flexible grinding disc with precision-formed, triangular **VICTO**GRAIN abrasive grain for steel with highest grinding performance and outstanding tool life.

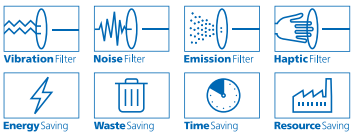
Materials that can be worked:
steel

Applications:
weld dressing, surface grinding

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.

Ordering notes:
- Please order clamping flange set SFS separately. More detailed information and ordering data can be found on page 10.

PFERDVALUE:



D [mm]	Grit size COARSE EAN 4007220	H [mm]	Max. RPM		Description
FLEX					
115	105047	22.23	13,300	10	CC-GRIND-FLEX 115 COARSE SGP STEEL
125	105054	22.23	12,200	10	CC-GRIND-FLEX 125 COARSE SGP STEEL

CC-GRIND-ROBUST SGP STEELOX ★★★★

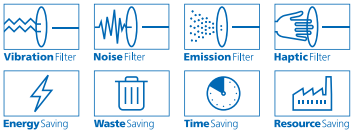


Grinding wheel with triangular, precision-formed **VICTO**GRAIN abrasive grain for steel and stainless steel (INOX) with extremely high grinding performance und outstanding tool life.

Materials that can be worked:
steel, stainless steel (INOX)

Applications:
surface grinding, weld dressing, chamfering, deburring

PFERDVALUE:



Recommendations for use:
- For optimum results, use with a flat contact angle.
- Only use the face of the disc, not suitable for peripheral grinding.
- Choose the CC-GRIND-ROBUST SGP STEELOX if you want results as fast as possible.

D [mm]	EAN 4007220	H [mm]	Max. RPM		Description
ROBUST					
115	304372	22.23	13,300	10	CC-GRIND-ROBUST 115 SGP STEELOX
125	304396	22.23	12,200	10	CC-GRIND-ROBUST 125 SGP STEELOX



CC-GRIND clamping flange set

The CC-GRIND clamping flange set optimally aligns the CC-GRIND-SOLID and -FLEX in the angle grinder protective guard. This allows a very flat contact angle and thus 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.



Suitable for angle grinders	EAN 4007220		Description
Metric			
100 mm, spindle M10	932209	1	SFS CC-GRIND 100 M10
115 / 125 mm, spindle M14	887578	1	SFS CC-GRIND 115/125 M14
150 / 180 mm, spindle M14	887585	1	SFS CC-GRIND 150/180 M14
Imperial			
115 / 125 mm, spindle 5/8"-11	887592	1	SFS CC-GRIND 115/125 5/8"
150 / 180 mm, spindle 5/8"-11	887608	1	SFS CC-GRIND 150/180 5/8"

