

Flap Disc POLIFAN®-STRONG-FREEZE

Grinding Ice-Cold



New!
INNOVATION
POLIFAN®-STRONG-FREEZE



TRUST BLUE

- Ultra-cool surface grinding on poor heat-conducting materials
- Maximum grinding aggressiveness and tool life
- Convenient, low-vibration work with minimum formation of dust

Flap Discs POLIFAN®-STRONG-FREEZE

Ice-Cold Grinding with Maximum Aggressiveness and Tool Life

User benefits

With the innovation POLIFAN®-STRONG-FREEZE, PFERD is offering a flap disc with cool grinding **unparalleled anywhere in the world**. This is particularly advantageous when working materials with poor heat-conducting properties such as stainless steel (INOX).

The innovative design of the ceramic grit abrasive **reduces sparks to a minimum**. This means that damage to stainless steel workpieces caused by glowing sparks flying around is almost excluded.

The patented POLIFAN®-STRONG construction shape guarantees:

- **Maximum economic efficiency** due to increased performance per time unit and less wear on discs.
- **Largest possible stock removal.**
- **Extremely long tool life.**

Note:

The very first time the POLIFAN®-STRONG-FREEZE is used, the flap reveal an **unusual wear pattern even after only a very few seconds**. The **highly effective fillers form**

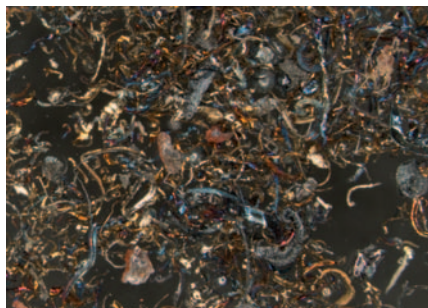
a **shining cooling film on the flap** (no "glazing"). This is the basis for cooling, aggressiveness and tool life previously not achieved.

The shape and color of the chips produced with POLIFAN®-STRONG-FREEZE are proof of the **extremely low temperatures** during the grinding process.

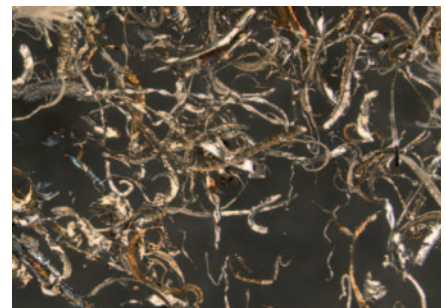
Special features



Typical wear pattern with a characteristic **shining cooling film** (no "glazing").



Chips produced with conventional reinforced grinding wheels or flap discs. Blue discoloration following overheating.



Long chips produced using the POLIFAN®-STRONG-FREEZE. **No blue discoloration** thanks to the low thermal loads.

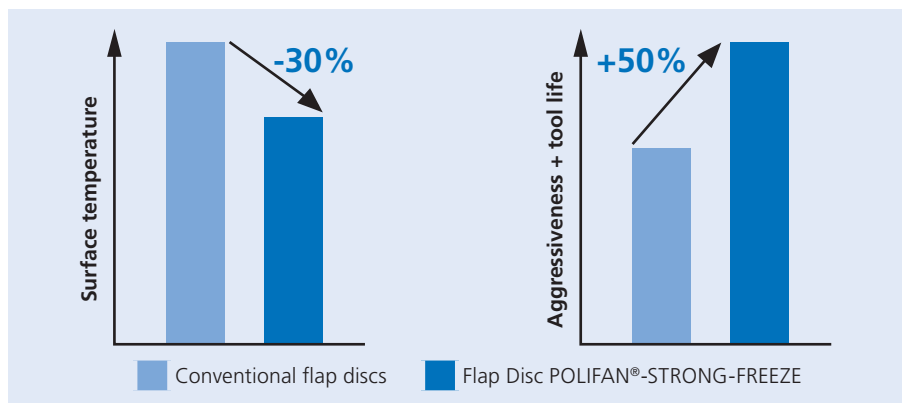
Performance values for surface grinding on stainless steel (INOX):

Surface temperature reduced by 30 %

The surface temperature is reduced by 30 % during the grinding process. No heat accumulation, no deformation, no thermal damage to the joints in the workpiece.

Aggressiveness and tool life increased by 50 %


Tool life and aggressiveness for surface grinding and for the leveling of welds are about 50 % higher than those of conventional flap discs. No glazing, constant use right down to the last grit.




Grinding comfortably and ergonomically

PFERDERGONOMICS recommends the patented flap discs POLIFAN®-STRONG-FREEZE as the innovative tool solution for maximum service life with minimum dust development and

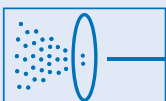
significantly reduced vibrations. The unusually high abrasive effect means work can be carried out at a very low grinding pressure without too much physical effort being required.



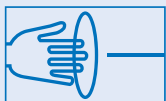
Vibration Filter



Noise Filter



Emission Filter



Haptic Filter



For further information on the subject of ergonomics and suitable PFERD tools see the brochure "**PFERD-ERGONOMICS** – The focus is on people".

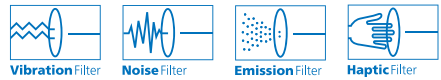




High-performance tool in the SGP CO-STRONG-FREEZE version for the most demanding of grinding tasks. The innovative abrasive with ceramic grit guarantees ultra-cool grinding on materials with poor heat-conducting properties. Maximum material removal and outstanding service life.

Abrasive: Ceramic oxide CO
Grit sizes: 36, 50

Workpiece materials:
Stainless steel (INOX), other materials with poor heat-conducting properties

Application:
Surface grinding, work on weld seams



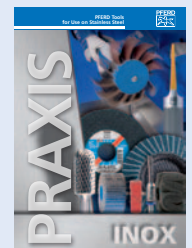
| Order No. | EAN 4007220 | Grit size | D x T x H [mm (Inch)] | Max. speed [RPM] |  |  |
|---|----------------|-----------|--------------------------|------------------------|---|---|
| Conical type PFC | | | | | | |
| N! PFC 115 CO 36 SGP-STRONG-FREEZE/22,23 | 835296 | 36 | 115 x 18 x 22,23 (7/8) | 13.300 | 10 | 1,020 |
| N! PFC 115 CO 50 SGP-STRONG-FREEZE/22,23 | 835302 | 50 | 115 x 18 x 22,23 (7/8) | 13.300 | 10 | 1,020 |
| N! PFC 125 CO 36 SGP-STRONG-FREEZE/22,23 | 835319 | 36 | 125 x 18 x 22,23 (7/8) | 12.200 | 10 | 1,320 |
| N! PFC 125 CO 50 SGP-STRONG-FREEZE/22,23 | 835326 | 50 | 125 x 18 x 22,23 (7/8) | 12.200 | 10 | 1,320 |
| N! PFC 180 CO 36 SGP-STRONG-FREEZE/22,23 | 835333 | 36 | 180 x 18 x 22,23 (7/8) | 8.500 | 10 | 2,600 |
| N! PFC 180 CO 50 SGP-STRONG-FREEZE/22,23 | 835340 | 50 | 180 x 18 x 22,23 (7/8) | 8.500 | 10 | 2,600 |



Competence when working on stainless steel (INOX)

PFERD offers a comprehensive range of tools that meets the requirements of working stainless steel (INOX). The PFERD PRAXIS brochure "PFERD Tools for Use on Stainless Steel (INOX)" contains many valuable application notes.

Our experienced field staff and members of the PFERD TOOL TECHNIC will be happy to answer any questions you may have. Please do not hesitate to contact us!



The original PFERD Tool Manual!

With more information on POLIFAN® flap discs and more than 7,500 innovative solutions for surface processing and cutting materials.

New PFERD products and additions to the range presented in the Tool Manual can be found in the brochure "New products in the PFERD Product Line".

Request your own free personal copy at www.pferd.com.

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