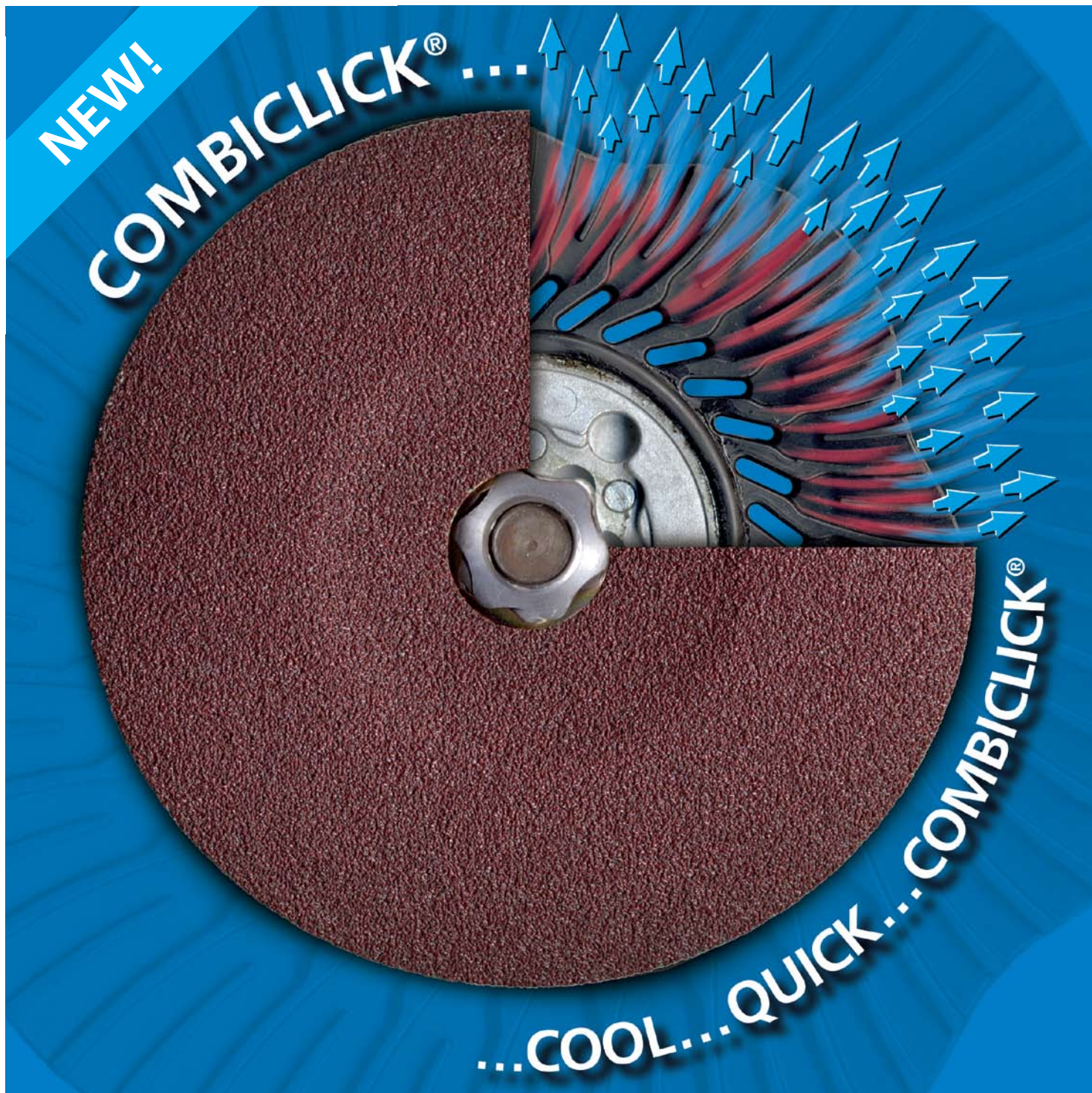
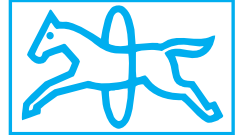


**COMBICLICK® Fiber Discs**

**with Patented Cooling and Quick-Mounting System**

**PFERD**



- Up to 25% increased stock removal.
- Up to 30% lower workpiece temperature.
- Up to 30% longer service life and improved utilization of abrasive product.
- 75% time saving through fast tool change.



# COMBICLICK® Fiber Discs

## with Patented Cooling and Quick-Mounting System

Introducing PFERD COMBICLICK® Quick-Change Fiber Discs and Backing Pads - a new, patented mounting and cooling system for use on angle grinders.

Conventional quick-change fiber discs allow users to change up discs without the use of spanner wrenches. Reduced down-time for change-ups improves productivity. PFERD has designed and engineered a new system to improve disc performance and further reduce change-up time.

PFERD's COMBICLICK® quick-change system offers 3 important enhancements over conventional quick-change fiber discs:

- **Faster and Easier Disc Mounting**
- **Optimized Backing Pad**
- **No metal parts on face of disc**

### 1. Faster and Easier Disc Mounting

PFERD COMBICLICK® fiber discs are extremely fast and easy to change. Conventional quick-change discs require substantial pressure to be applied at the center of the disc to catch a thread on the spindle of the angle grinder. This proc-

ess becomes more difficult if the discs have curled. COMBICLICK® discs "click" into place when presented to the backing pad, and need just a slight, effortless clockwise rotation to lock into place. Disc removal is just as simple, making change-ups faster and easier than ever. And the patented system virtually eliminates disc curling.

### 2. Optimized Backing Pad

COMBICLICK® Backing Pads are engineered to minimize disc-change-up time, and to maximize air circulation. Significantly reducing thermal loads on the abrasive material and workpiece. And the pads are soft and flexible enough to follow contours, yet firm enough to maintain aggressive stock removal rates in demanding applications.

### 3. Disc grinding surface completely free from metal parts

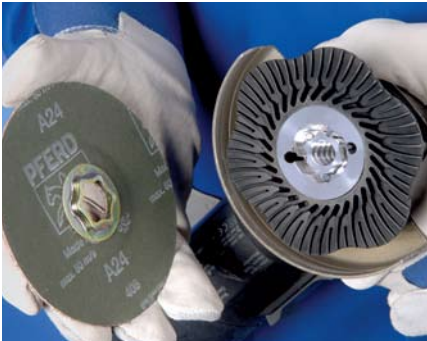
COMBICLICK® quick-change fiber discs attach to the backing pad without any metal parts projecting through the abrasive disc. This design supports grinding nearly flat, and eliminates any risk of damage to the workpiece.

Both the quick-change nut and the receiving mechanism built into the backing pad are metal. The mounting fixture provides secure disc attachment to the backing pad, plus optimized cooling help to provide:

- up to 25% increased stock removal;
- up to 30% longer service life and improved utilization of abrasive product;
- up to 30% less tool wear; and
- up to 30% lower workpiece temperature.

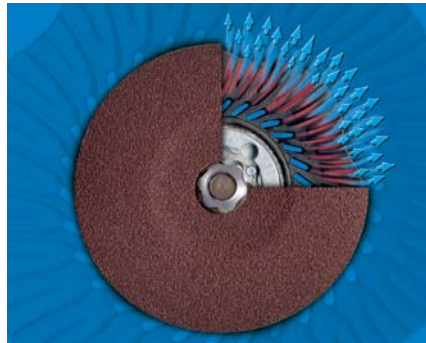
With their patented quick-mounting and cooling system, COMBICLICK® Fiber discs provide rapid tool changes and increased productivity. These improvements will allow you to gain more efficiency without changing your current process or procedures.

### User benefits: The system



Exceptional ease of handling and convenience.

### Cooling effect



Very good cooling of the tool and workpiece.

### Mounting principle



Extremely easy and reduces process costs.

### Flexible grinding

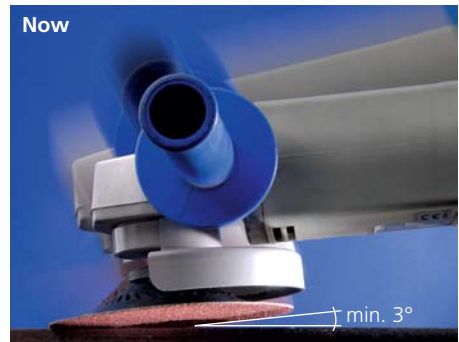


Fiber discs give a particularly soft and flexible abrasive performance in face grinding.

### COMBICLICK® supports grinding at very flat angles!



The COMBICLICK® system eliminates surface scratching by projecting metal parts while maximizing the utilization of available abrasive grain.



# COMBICLICK® Fiber Discs

with Patented Cooling and Quick-Mounting System



PFERD supplies an extensive line-up of COMBICLICK® Fiber discs with differing

- grit sizes,
- abrasive grain, and
- dimensions.

Our comprehensive product range includes the right tool for every application, from coarse to fine grinding.

### Advantages

- Long tool life.
- Uniform surface finish.
- Very high stock removal rate.
- High flexibility.
- Excellent grit adhesion.

### Application examples

- Weld dressing
- Deburring of steel components
- Coarse grinding
- Fine grinding of stainless steel
- Removal of rolling and casting skin
- Grinding in narrow, hard-to-reach areas (e.g., cooling ribs).

### Recommendation for use

COMBICLICK® Fiber discs are used with COMBICLICK® backing pads on standard commercial angle grinders.

### Ordering note

Please order COMBICLICK® backing pad separately.

### Safety Recommendations



= Wear safety glasses!



= Wear ear protectors!



= Wear dust mask!



= Use with backing pad!



= Do not use for wet grinding!

### Recommendations for the use of COMBICLICK® Fiber discs

Material groups			Abrasive	Alum. oxide A	Alum. oxide A-COOL	ZIRKON Z	ZIRKON Z-COOL	Ceramic CO	Ceramic CO-COOL
Steel and steel castings	Non-hardened non-tempered steels	Constructional steels Carbon steels Tool steels Non-alloyed steels Steel castings		●		○		○	
	Heat treated and tempered steels	Tool steels Tempered steels Alloyed steels Steel castings		○		●		●	
Stainless steels	INOX				●	○	●		●
Non-ferrous metals	Soft non-ferrous metals	Soft aluminium alloys		○	●		○		○
		Brass Copper Zinc		●		○		○	
	Hard non-ferrous metals	Very hard aluminium alloys		●		○		○	
		Bronze Titanium				○	●	○	●
	High-temperature materials	Nickel-based alloys NiCo alloys				○	●	○	●
Steel castings	Cast iron	Grey cast iron Nodular cast iron		●		○		●	
Other	Plastics	Fiber-reinforced plastics Thermoplastics		●					
	Wood Paint / coatings	Wood Chipboard Paint / coatings		●					

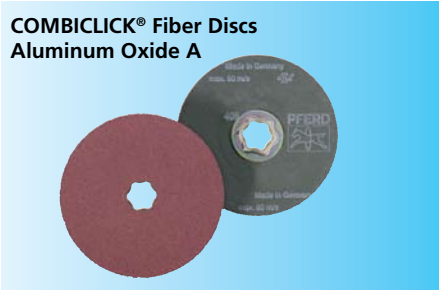
● = Highly Recommended ○ = Recommended

# COMBICLICK® Fiber Discs



## Aluminum Oxide A, A-COOL, Zirconia Alumina

### COMBICLICK® Fiber Discs Aluminum Oxide A



For general-purpose grinding, from coarse to fine, in diverse applications (industry, trades, DIY).

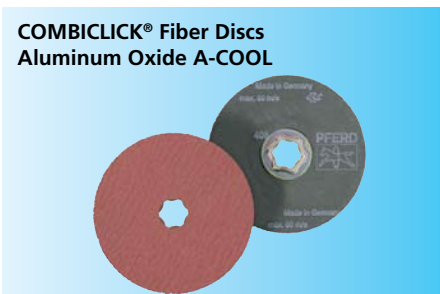
**Abrasive**  
Aluminum Oxide A

**Ordering Note**  
Please order COMBICLICK® backing pad separately.

**PFERD Specification Number**  
CC-FS A

Diameter (Inches)	Grit and EDP Number						Max. RPM	
	24	36	50	60	80	120		
4-1/2	40091	40092	40093	40094	40095	40097	13,300	25
5	40099	40100	40101	40102	40103	40105	12,200	25
7	40115	40116	40117	40118	40119	40121	8,500	25

### COMBICLICK® Fiber Discs Aluminum Oxide A-COOL



For general-purpose grinding, from coarse to ultra-fine, on poor heat-conducting materials. Active additives in the coating ensure substantially increased stock removal while preventing loading and heat build-up in the workpiece.

**Abrasive**  
Aluminum Oxide A-COOL (top-sized)

**Ordering Note**  
Please order COMBICLICK® backing pad separately.

**PFERD Specification Number**  
CC FS A-COOL

Diameter (Inches)	Grit and EDP Number						Max. RPM		
	50	60	80	120	150	180			220
4-1/2	-	40302	40303	40305	40306	-	40308	13,300	25
5	40310	40311	40312	40314	40315	40316	40317	12,200	25
7	40328	40329	40330	40332	40333	40334	40335	8,500	25

### COMBICLICK® Fiber Discs Zirconia Alumina Z



Designed for coarse grinding and high stock removal, with an extended service life. Zirconia alumina is a high-performance abrasive which delivers best results on high-powered angle grinders at increased contact pressure.

**Abrasive**  
Zirconia Alumina Z

**Ordering Note**  
Please order COMBICLICK® backing pad separately.

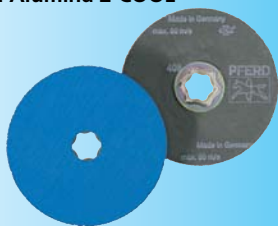
**PFERD Specification Number**  
CC-FS Z

Diameter (Inches)	Grit and EDP Number						Max. RPM	
	24	36	50	60	80	120		
4-1/2	-	40131	40132	40133	40134	40136	13,300	25
5	40137	40138	40139	40140	40141	40143	12,200	25
7	40151	40152	40153	40154	40155	40157	8,500	25

# COMBICLICK® Fiber Discs

## Z-COOL, Ceramic Oxide CO, CO-COOL

**COMBICLICK® Fiber Discs**  
Zirconia Alumina Z-COOL



For coarse but cool grinding at high stock removal rates. Zirconia alumina is a high-performance abrasive which delivers best results on powerful angle grinders at increased contact pressure. Active additives in the coating ensure substantially improved stock removal and a reduced thermal load on poorly heat conducting materials.

**Abrasive**


Zirconia Alumina Z-COOL (top-sized)

**Ordering Note**

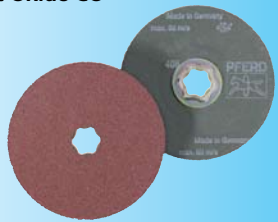
Please order COMBICLICK® backing pad separately.

**PFERD Specification Number**

CC-FS Z-COOL

Diameter (Inches)	Grit and EDP Number				Max. RPM	
	36	50	60	80		
5	40170	40171	40172	40173	12,200	25
7	40188	40189	40190	40191	8,500	25

**COMBICLICK® Fiber Discs**  
Ceramic Oxide CO



For aggressive grinding achieving maximum stock removal rates. Nevertheless, these fiber discs attain a very long service life. Their ceramic grain is particularly well suited for working on hard materials and coatings. To be used preferably with high-powered angle grinders.

**Abrasive**


Ceramic Oxide CO

**Ordering Note**

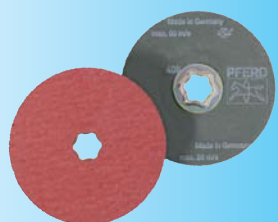
Please order COMBICLICK® backing pad separately.

**PFERD Specification Number**

CC-FS CO

Diameter (Inches)	Grit and EDP Number						Max. RPM	
	24	36	50	60	80	120		
4-1/2	40197	40198	40199	40200	40201	40203	13,300	25
5	40204	40205	40206	40207	40208	40210	12,200	25
7	40218	40219	40220	40221	40222	40224	8,500	25

**COMBICLICK® Fiber Discs**  
Ceramic Oxide CO-COOL



For aggressive grinding achieving maximum stock removal on hard, poorly heat conducting materials. Active additives in the coating ensure a substantially improved abrasive performance while preventing loading and reducing heat build-up in the workpiece.

**Abrasive**


Ceramic Oxide CO-COOL (top-sized)

**Ordering Note**

Please order COMBICLICK® backing pad separately.

**PFERD Specification Number**

CC-FS CO-COOL

Dimensions (O.D. x I.D.)	Grit and EDP Number						Max. RPM	
	24	36	50	60	80	120		
4-1/2	40225	40226	40227	40228	40229	40231	13,300	25
5	40232	40233	40234	40235	40236	40238	12,200	25
7	40246	40247	40248	40249	40250	40252	8,500	25

# COMBICLICK® Fiber Discs

## Backing Pads

COMBICLICK® Backing Pads



This backing pad permits the use of COMBICLICK® fibre discs on all common angle grinders.


The cooling slot geometry ensures a high throughput of air, thus significantly reducing thermal loads on the abrasive material and workpiece.

The patented COMBICLICK® mounting system minimizes tool changing times.

**Safety note**

The peripheral speed must not exceed 80 m/s.



Disc Diameter (Inches)	Thread Size	EDP Number	Max. RPM	
4-1/2, 5	5/8-11	69470	13,000	1
4-1/2, 5	M14 x 2.0	69471	13,000	1
7	5/8-11	69474	8,600	1
7	M14 x 2.0	69475	8,600	1

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PFERD quality certified according to EN ISO 9001.