

# COMBIDISC®

The product line for many applications



**TRUST BLUE**

- Versatile product line for coarse machining, surface texturing and polishing
- Optimal solutions even for complicated applications
- High performance, quick and safe

# COMBIDISC® quick change discs

## General information



The COMBIDISC® range covers a large selection of quick-change grinding discs. From coarse machining and surface texturing to face-down mirror polishing – the range provides the optimal disc, even for complicated applications.

### Advantages

- Easy to use.
- Rapid disc change.
- No adhesion, no slipping.
- No loosening under the influence of heat.
- Vibration-free operation.
- Disc is always perfectly centered.


### Application examples

- Tool and mould construction, modelling.
- Mechanical engineering, automotive construction.
- Aeronautical and aerospace industry.
- Aircraft engine construction and repair.
- Equipment, tank and pressure vessel construction (e.g. for foodstuff and chemical industry).
- Fetting of small parts.

### 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.



-  = Wear eye protection!
-  = Wear hearing protection!
-  = Wear gloves!
-  = Please read the safety instructions!
-  = Read the Safety Data Sheets (SDS) before using any materials!

### Dust warning

Use of the products in this catalogue may create dust and other particles. To avoid any risk of adverse health effects, the operator must use appropriate protective measures, including a respirator, during and after operation. Refer to our Safety Data Sheet (SDS) for further information regarding the product to be used. Furthermore, additional health hazards may result from dust in the surrounding environment and from dust generated from the workpiece material. PROTECTIVE MEASURES FOR THE OPERATOR MUST ADDRESS DUST AND OTHER PARTICULATES ARISING FROM ALL SOURCES. Always use our products in a well-ventilated workspace.

## PFERD offers two mounting system alternatives

### CD system



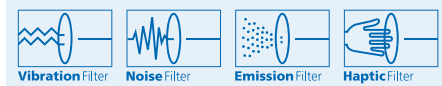
**Mounting side:** Screw connection with female thread (metal).  
Also suitable for the following systems available on the market: PSG, Power Lock Type II "turn on", SocAtt, Turn-On.

### CDR system



**Mounting side:** Screw connection with male thread (plastic).  
Also suitable for the following systems available on the market: Roloc™, Lockit, Speed Lok TR, Power Lock Type III, Fastlock-System B, Roll-On.

**PFERDERGONOMICS®** recommends COMBIDISC® system as a solution to sustainably reduce vibration, noise and dust levels produced in the workplace and to improve working comfort.



**PFERDEFFICIENCY®** recommends COMBIDISC® products to reduce disc change and setup times.



### PFERDMEDIA

To see it in action, please visit [pferdusa.com/vcombidisc](http://pferdusa.com/vcombidisc)

### Cutting speeds

In the diagram, the cutting speeds are represented by blue diagonal lines. The vertical line representing the disc diameter meets the given cutting speed (diagonals). From its point of intersection, proceed horizontally to the left margin, where you will find the corresponding rotational speed [RPM] for the COMBIDISC® disc and tool drive.

#### Example

CD 50 A 60 COOL, 2" Dia.

EDP 42219

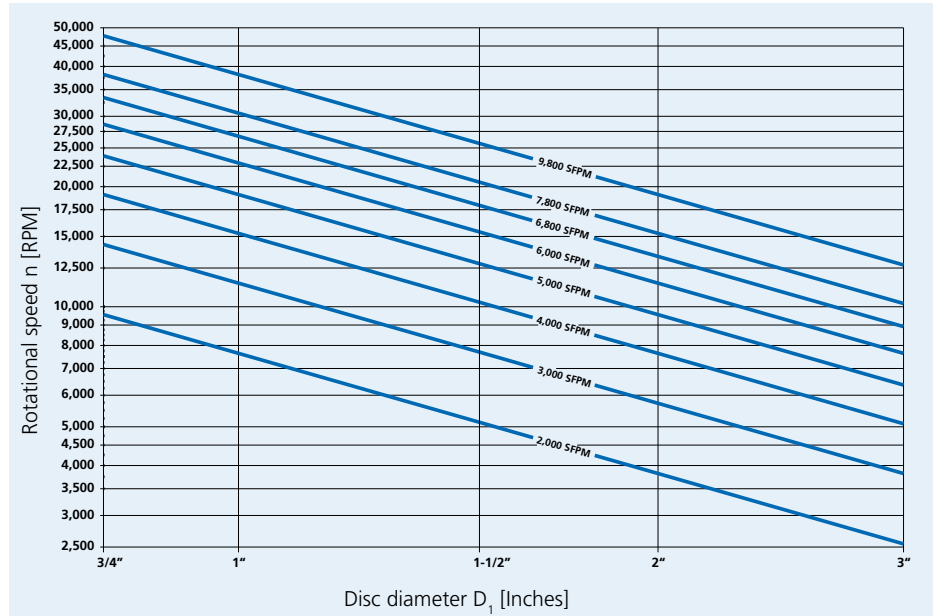
Operation: Grinding of stainless steel materials

Peripheral speed: 4,000 - 5,000 SFPM

**Rotational speed: 7,600 - 9,600 RPM**

#### Safety notes

- The maximum permissible peripheral speed is 9,800 SFPM.
- For safety reasons, the stated max. RPM level must not be exceeded.



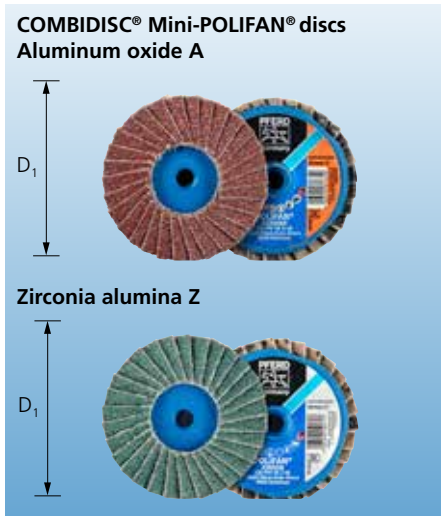
### The fast way to the best disc

Application	Recommended peripheral speed [SFPM]								Recommended discs
	1,000	2,000	3,000	4,000	5,000	6,000	6,900	7,800	
Grinding of steel and cast steel				4,000 - 6,900 SFPM					Abrasive discs A, A-PLUS, Z
Grinding of stainless steel (INOX)				4,000 - 5,000 SFPM					Abrasive discs A-COOL, CO-COOL
Coarse grinding of steel and cast steel					5,000 - 7,800 SFPM				Mini-POLIFAN®, mini fibre discs, abrasive discs Z
Grinding of high-temperature-resistant materials (nickel- and cobalt-based alloys)		2,000 - 4,000 SFPM							Abrasive discs SiC, Z and CO-COOL
Grinding of hard non-ferrous metals, titanium, bronze, hard aluminum alloys			3,000 - 6,900 SFPM						Abrasive discs SiC, A-COOL, CO-COOL
Grinding of soft non-ferrous metals, brass, copper, aluminum alloys					5,000 - 7,800 SFPM				Abrasive discs A, A-PLUS, A-COOL
Grinding of hard metal, hard material coatings, hard facings, glass, GRP, CRP		2,000 - 4,000 SFPM							Diamond abrasive discs
Cleaning, texturing		2,000 - 5,000 SFPM							Non-woven and POLICLEAN® discs, brushes
Polishing	1,000 - 2,000 SFPM								Felt discs



# COMBIDISC® quick change discs

## Mini-POLIFAN®



Mini-POLIFAN® flap discs with **aluminum oxide A grain** perform well in general-purpose coarse grinding applications. They deliver high stock removal rates on diverse materials. Ideal for weld removal in hard-to-reach areas. These mini flap discs excel in performance when compared to plain coated abrasive discs in terms of longevity and grinding performance.

Mini-POLIFAN® flap discs with **zirconia alumina Z grain** perform well in general-purpose grinding applications, providing ultra-high stock removal. Particularly suitable for weld removal in hard-to-reach areas. These mini flap discs excel in performance when compared to plain coated abrasive discs in terms of service life and grinding performance.

**Abrasive: Aluminum oxide A**  
**Zirconia alumina Z**

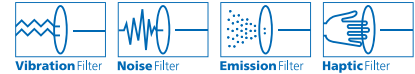
**Ordering note**

For type CD, order drive arbor below separately, or may also be used with Type CD and CDR COMBIDISC® backing pads on page 34.

**PFERD specification number**

CD PFF A  
CDR PFF A

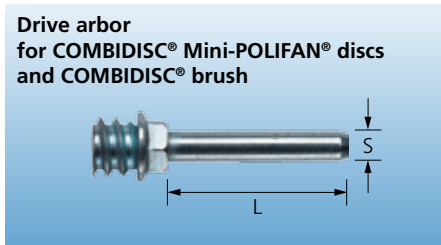
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**PFERDEFFICIENCY®**



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number				Recom. speed RPM	Max. RPM	
	40	60	80	120			
<b>Aluminum oxide A</b>							
<b>Type CD</b>							
2	42802	42803	42804	42805	12,000 - 14,000	19,100	10
3	42808	42809	42810	42811	8,000 - 10,000	12,700	10
<b>Type CDR</b>							
2	42912	42913	42914	42915	12,000 - 14,000	19,100	10
3	42918	42919	42920	42921	8,000 - 10,000	12,700	10
<b>Zirconia alumina Z</b>							
<b>Type CD</b>							
2	42814	42815	42816	42817	12,000 - 14,000	19,100	10
3	42820	42821	42822	42823	8,000 - 10,000	12,700	10
<b>Type CDR</b>							
2	42924	42925	42926	42927	12,000 - 14,000	19,100	10
3	42930	42931	42932	42933	8,000 - 10,000	12,700	10



**Drive arbor for COMBIDISC® Mini-POLIFAN® discs and COMBIDISC® brush**

Matching arbor for use with COMBIDISC® Mini-POLIFAN® discs with special thread.

**Safety note**  
Max. operating speed 9,800 SFPM.

**PFERD specification number**  
BO PFF



Shank diameter (S) [Inches]	Shank length (L) [Inches]	EDP number	Suitable diameters [Inches]	
1/4	1-1/2	42851	2	1
1/4	1-1/2	42852	3	1

COMBIDISC® abrasive discs with aluminum oxide A grain are for use on metals and other materials.

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

**Abrasive: Aluminum oxide A**

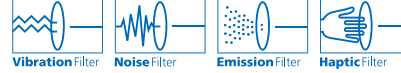
**Ordering note**

Please order backing pad separately (listed on page 34).

**PFERD specification number**

CD A  
CDR A

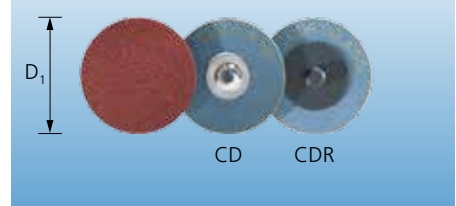
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**COMBIDISC® abrasive discs  
Aluminum oxide A**



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number							Recom. speed RPM	
	36	50	60	80	120	180	320		
<b>Type CD</b> 									
1	-	-	42136	42137	42139	42141	42143	15,000 - 26,000	100
1-1/2	42145	-	42148	42149	42151	42153	42155	10,000 - 16,000	100
2	42157	42159	42160	42161	42163	42165	42167	8,000 - 13,000	100
3	42169	42171	42172	42173	42175	42177	42179	5,000 - 9,000	50
<b>Type CDR</b> 									
1	-	-	42481	42482	42484	42486	42488	15,000 - 26,000	100
1-1/2	42490	-	42493	42494	42496	42498	42500	10,000 - 16,000	100
2	42502	42504	42505	42506	42508	42510	42512	8,000 - 13,000	100
3	42514	42516	42517	42518	42520	42522	42524	5,000 - 9,000	50

The aluminum oxide A-PLUS version is universally recommended for all metals.

A stronger backing material ensures superior stock removal rates.

These discs are preferred for edge grinding, due to their outstanding tear resistance.

**Abrasive: Aluminum oxide A-PLUS**

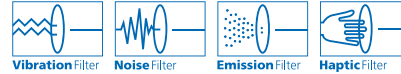
**Ordering note**

Please order backing pad separately (listed on page 34).

**PFERD specification number**

CD A-PLUS  
CDR A-PLUS

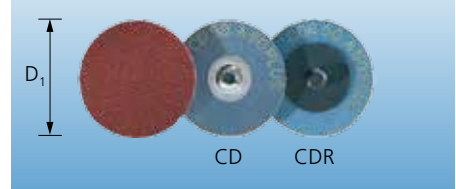
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**COMBIDISC® abrasive discs  
Aluminum oxide A-PLUS**



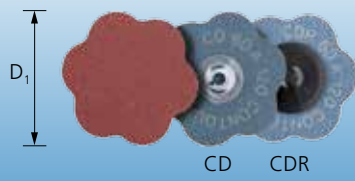
Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number				Recom. speed RPM	
	36	60	80	120		
<b>Type CD</b> 						
2	42330	42331	42332	42333	8,000 - 13,000	100
3	42335	42336	42337	42338	5,000 - 9,000	50
<b>Type CDR</b> 						
2	42670	42671	42672	42673	8,000 - 13,000	100
3	42675	42676	42677	42678	5,000 - 9,000	50

# COMBIDISC® quick change discs

## Abrasive discs



### COMBIDISC® abrasive discs Aluminum oxide A-CONTOUR



The scalloped-edge pattern of COMBIDISC® A-CONTOUR eliminates edge cutting. The abrasive discs easily follow transitions and contours on complex workpieces.

Especially recommended for working tight contours and concave surfaces with radius transitions. The special outer contour prevents the discs "cutting in" to the workpiece.

#### Abrasive: Aluminum oxide A

#### Recommendation for use

COMBIDISC® aluminum oxide A-CONTOUR abrasive discs achieve their best output at the recommended peripheral speed of 4,000 - 6,900 SFPM.

#### Ordering note

We recommend using soft or medium 2" diameter abrasive disc holders to benefit fully from the flexibility of these abrasive discs.

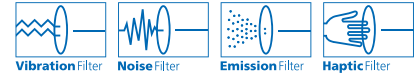
Please order backing pad separately (listed on page 34).



#### PFERD specification number

CD A-CONTOUR  
CDR A-CONTOUR

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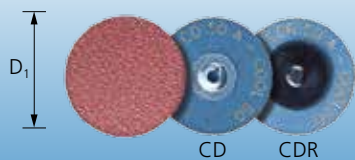


#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number				Recom. speed RPM	
	60	80	120	180		
<b>Type CD</b>						
2-3/8	42117	42118	42119	42120	7,500 - 11,000	50
<b>Type CDR</b>						
2-3/8	42425	42426	42427	42428	7,500 - 11,000	50

### COMBIDISC® abrasive discs Aluminum oxide A-COOL



The aluminum oxide A-COOL version is designed for hard-to-machine materials such as stainless steel, Hastelloy®, Inconel®, etc. Active additive fillers in the coating increase the stock removal rate substantially while preventing loading and heat build-up.

#### Recommendation for use

Use with hard or medium disc holders only.

#### Abrasive: Aluminum oxide A-COOL (top-sized)

#### Ordering note

Please order backing pad separately (listed on page 34).

#### PFERD specification number

CD A-COOL  
CDR A-COOL

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#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number			Recom. speed RPM	
	36	60	80		
<b>Type CD</b>					
2	42216	42219	42220	8,000 - 13,000	100
3	42224	42227	42228	5,000 - 9,000	50
<b>Type CDR</b>					
2	42558	42561	42562	8,000 - 13,000	100
3	42565	42568	42569	5,000 - 9,000	50

COMBIDISC® abrasive discs with zirconia alumina Z grain are for use on all metals. These discs perform particularly well in coarse grinding applications.

**Recommendation for use**

Use with hard or medium disc holders only.

**Abrasive: Zirconia alumina Z**

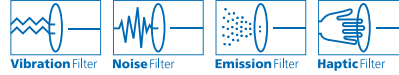
**Ordering note**

Please order backing pad separately (listed on page 34).

**PFERD specification number**

CD Z  
CDR Z

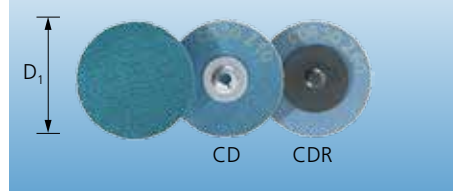
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**PFEREFFICIENCY®**



**COMBIDISC® abrasive discs  
Zirconia alumina Z**



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number				Recom. speed RPM	
	36	50	60	80		
<b>Type CD</b> 						
2	42254	42256	42257	42258	8,000 - 13,000	100
3	42261	42263	42264	42265	5,000 - 9,000	50
<b>Type CDR</b> 						
2	42593	42595	42596	42597	8,000 - 13,000	100
3	42600	42602	42603	42604	5,000 - 9,000	50

Ceramic oxide (CO) is for use on alloyed and unalloyed steels, cast iron, and hard metal coatings.

Aggressive grinding action results in unsurpassed stock removal rates. Active additive fillers in the coating provide substantially improved abrasive performance while preventing loading and heat build-up.

**Abrasive: Ceramic oxide CO-COOL  
(top-sized)**

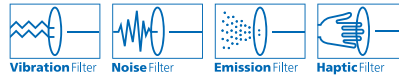
**Ordering note**

Please order backing pad separately (listed on page 34).

**PFERD specification number**

CD CO-COOL  
CDR CO-COOL

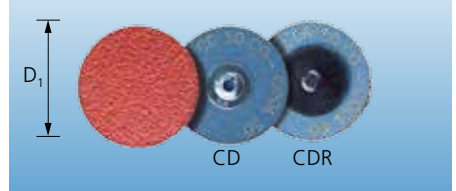
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**PFEREFFICIENCY®**



**COMBIDISC® abrasive discs  
Ceramic oxide CO-COOL**



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number					Recom. speed RPM	
	24	36	60	80	120		
<b>Type CD</b> 							
2	42280	42289	42292	42293	42295	8,000 - 13,000	100
3	42281	42296	42299	42300	42302	5,000 - 9,000	50
<b>Type CDR</b> 							
2	42619	42628	42631	42632	42634	8,000 - 13,000	100
3	42620	42635	42638	42639	42641	5,000 - 9,000	50

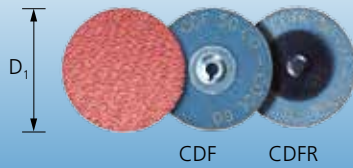


# COMBIDISC® quick change discs

## Abrasive discs



### COMBIDISC® mini fibre discs Ceramic oxide CO-COOL



COMBIDISC® mini fibre disc with ceramic oxide grain is designed for very hard-to-machine materials such as stainless steel, Hastelloy®, Inconel®, titanium etc. Active additive fillers in the coating increase the stock removal rate substantially while preventing loading and heat build-up.

The fibre backing reinforces the disc and improves abrasive performance. Ideally suited for grinding on edges and weld seams of hard materials.

#### Recommendation for use

Use with hard or medium disc holders only.

**Abrasive: Ceramic oxide CO-COOL**

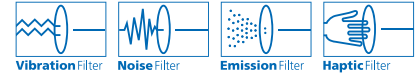
#### Ordering note

Please order backing pad separately (listed on page 34).

#### PFERD specification number

CDF CO-COOL  
CDFR CO-COOL

#### PFERDERGONOMICS®

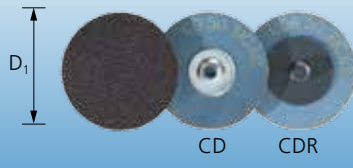


#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number				Recom. speed RPM	
	36	50	80	120		
<b>Type CDF</b>						
2	40492	40494	40496	40497	8,000 - 13,000	100
3	40499	40501	40503	40504	5,000 - 9,000	50
<b>Type CDFR</b>						
2	40632	40634	40636	40637	8,000 - 13,000	100
3	40639	40641	40643	40644	5,000 - 9,000	50

### COMBIDISC® abrasive discs Silicon carbide SiC



Silicon carbide (SiC) COMBIDISC® discs are ideal for use on aluminum, copper, bronze, titanium, high-alloyed steels, fibreglass, carbon fibre, composites and plastics. They are the disc of choice for grinding titanium alloys, as their cool grinding properties help prevent thermal cracking.

Excellent for use in the aircraft industry, specifically where SiC is the only approved abrasive product for use on engine components.

**Abrasive: Silicon carbide SiC**

#### Ordering note

Please order backing pad separately (listed on page 34).

#### PFERD specification number

CD SiC  
CDR SiC

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#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number					Recom. speed RPM	
	36	60	80	120	240		
<b>Type CD</b>							
2	42415	42416	42417	42418	42419	8,000 - 13,000	100
3	42420	42421	42422	42423	42424	5,000 - 9,000	50
<b>Type CDR</b>							
2	42750	42751	42752	42753	42754	8,000 - 13,000	100
3	42755	42756	42757	42758	42759	5,000 - 9,000	50



COMBIDISC® diamond abrasive discs are perfect for working on wear-resistant platings and for hard facings made of tungsten carbide, chromium carbide, titanium carbide etc. Particularly recommended for work on materials used for engine construction e.g. Hastelloy®, Inconel®, titanium and titanium alloys. Also for work on extremely hard materials such as tungsten carbide, glass, ceramic, enamel, stone and GRP/CRP.

**Abrasive: Diamond**

D 251 = P 60, D 126 = P 120, D 76 = P 220  
P = Grit size according to FEPA

**Recommendation for use**

Diamond abrasive discs perform best at the recommended peripheral speed of 2,000 - 4,000 SFPM.

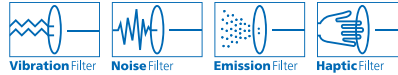
**Ordering note**

The grit sizes are given in µm. Please order backing pad separately (listed on page 34).

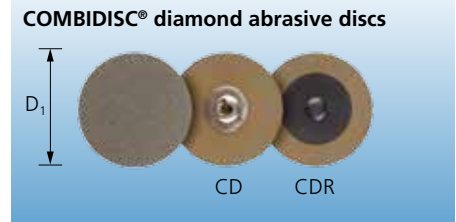
**PFERD specification number**




CD DIA  
CDR DIA

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**PFERDEFFICIENCY®**



Diameter (D <sub>1</sub> ) [Inches]	Grit and EDP number			Recom. speed RPM	
	251	126	76		
<b>Type CD</b> 					
1	40515	40516	40517	7,500 - 15,000	10
1-1/2	40518	40519	40520	5,000 - 10,000	10
2	40521	40522	40523	3,800 - 7,500	10
3	40524	40525	40526	2,500 - 5,000	10
<b>Type CDR</b> 					
1	40655	40656	40657	7,500 - 15,000	10
1-1/2	40658	40659	40660	5,000 - 10,000	10
2	40661	40662	40663	3,800 - 7,500	10
3	40664	40665	40666	2,500 - 5,000	10

## COMBIDISC® POLICLEAN® discs

Ideal for coarse face grinding applications such as removal of paint, scale, discolourations, rust, or adhesive residue.

**Recommendation for use**

For use with a hard or medium COMBIDISC® holder (backing pad).

**Abrasive: Silicon carbide SiC**

**Ordering note**

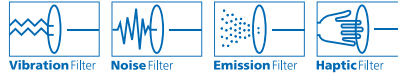
Please order backing pad separately (listed on page 34).

For more information about POLICLEAN® products see page 90.

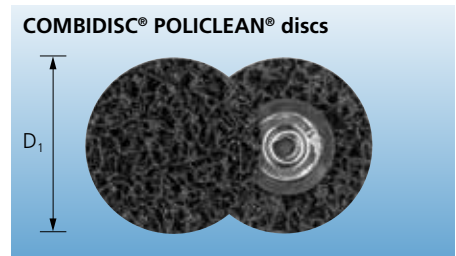
**PFERD specification number**




CD PCLR  
CDR PCLR

**PFERDERGONOMICS®**



**PFERDEFFICIENCY®**



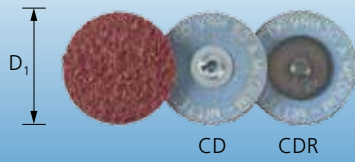
Diameter (D <sub>1</sub> ) [Inches]	EDP number	Recom. speed RPM	
<b>Type CD</b> 			
2	44850	5,500 - 8,000	10
3	44851	3,800 - 5,000	10
<b>Type CDR</b> 			
2	44853	5,500 - 8,000	10
3	44854	3,800 - 5,000	10

# COMBIDISC® quick change discs

## Non-woven discs



### COMBIDISC® non-woven discs Surface conditioning – hard type



Recommended for general work on metal surfaces e.g. removal of rough grinding traces, removal of oxidation and for light deburring work.

#### Abrasive: Aluminum oxide A

Available grit sizes:

Coarse = yellow-brown

Medium = red-brown

Very fine = blue

#### Application examples

- Removing heat discoloration on components made of stainless steel (INOX).
- Fine-grinding of tight areas in equipment, tank and pressure vessel constructions.

#### Recommendation for use

COMBIDISC® non-woven discs hard type achieve their best performance at a recommended peripheral speed of 3,000 - 4,000 SFPM. This

provides an ideal compromise between stock removal rate, surface quality, thermal load on the workpiece and disc wear.

#### Ordering note

Please order backing pad separately (listed on page 34).

#### PFERD specification number

CD VRH A, CDR VRH A

#### PFERDERGONOMICS®

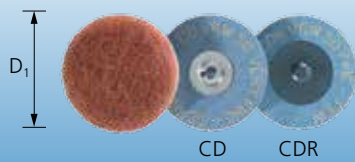


#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	Grade and EDP number			Recom. speed RPM	
	coarse	medium	very fine		
<b>Type CD</b>					
1-1/2	43176	43177	43179	7,000 - 10,000	50
2	43180	43181	43183	6,000 - 8,000	50
3	43184	43185	43187	4,000 - 5,000	25
<b>Type CDR</b>					
1-1/2	43234	43235	43237	7,000 - 10,000	50
2	43238	43239	43241	6,000 - 8,000	50
3	43242	43243	43245	4,000 - 5,000	25
4	43246	43247	43248	2,850 - 4,000	25

### COMBIDISC® non-woven discs Finishing – soft type



Recommended for very fine grinding of surfaces and contours, as well as cleaning work on metals and painted surfaces. The open structure and high flexibility of the non-woven material prevents clogging of the disc.

#### Abrasive: Aluminum oxide A

Available grit sizes:

100 = medium

180 = fine

280 = very fine

#### Application examples

- Matt finishing or structuring of components made of stainless steel (INOX).
- Very fine grinding of brass, copper, titanium and aluminum.

#### Recommendation for use

COMBIDISC® non-woven discs soft type achieve their best performance at a recommended

peripheral speed of 3,000 - 4,000 SFPM. This provides an ideal compromise between stock removal rate, surface quality, thermal load on the workpiece and disc wear.

#### Ordering note

Please order backing pad separately (listed on page 34).

#### PFERD specification number

CD VRW A, CDR VRW A

#### PFERDERGONOMICS®



#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	Grade and EDP number			Recom. speed RPM	
	medium	fine	very fine		
<b>Type CD</b>					
2	43200	43201	43203	5,500 - 8,000	50
3	43204	43205	43207	3,800 - 5,000	25
<b>Type CDR</b>					
2	43258	43259	43261	5,500 - 8,000	50
3	43262	43263	43265	3,800 - 5,000	25

COMBIDISC® PNER unitized discs are used for fine grinding on angle die grinders. The CD or CDR fastening elements are bonded to the unitized fleece.

They are recommended for working smaller and medium-sized areas on stainless steel (INOX) components.

**Abrasive: Aluminum oxide A  
Silicon carbide SiC**

### Ordering note

The different densities are colour-coded:

soft (W) = grey  
medium-hard (MH) = dark blue  
hard (H) = red

For more information about unitized products see page 73.

Please order backing pad separately (listed on page 34).

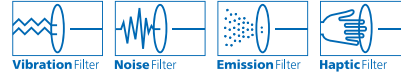
### Recommendation for use

COMBIDISC® unitized discs PNER achieve their best performance on variable-speed angle grinders at a cutting speed of about 5,000 - 6,000 SFPM.

### PFERD specification number

CD PNER, CDR PNER

### PFERDERGONOMICS®






### PFEREFFICIENCY®



### COMBIDISC® unitized discs PNER type



Diameter (D <sub>1</sub> ) x thickness [Inches]	Abrasive	Grit size	Density	Spec.	EDP number	Recom. speed RPM	Max. speed RPM	
<b>Type CD</b> 								
2 x 1/4	Silicon carbide	fine	soft (W)	2SF	48430	9,500	19,100	25
2 x 1/4	Aluminum oxide	coarse	soft (W)	2AM	48431	9,500	19,100	25
2 x 1/4	Silicon carbide	fine	medium-hard (MH)	6SF	48434	9,500	19,100	25
2 x 1/4	Aluminum oxide	fine	medium-hard (MH)	6AF	48435	9,500	19,100	25
2 x 1/4	Aluminum oxide	fine	hard (H)	8AM	48438	9,500	19,100	25
2 x 1/4	Aluminum oxide	coarse	hard (H)	8AC	48439	9,500	19,100	25
3 x 1/4	Silicon carbide	fine	soft (W)	2SF	48440	6,400	12,500	25
3 x 1/4	Aluminum oxide	coarse	soft (W)	2AM	48441	6,400	12,500	25
3 x 1/4	Silicon carbide	fine	medium-hard (MH)	6SF	48444	6,400	12,500	25
3 x 1/4	Aluminum oxide	fine	medium-hard (MH)	6AF	48445	6,400	12,500	25
3 x 1/4	Aluminum oxide	fine	hard (H)	8AM	48448	6,400	12,500	25
3 x 1/4	Aluminum oxide	coarse	hard (H)	8AC	48449	6,400	12,500	25
<b>Type CDR</b> 								
2 x 1/4	Silicon carbide	fine	soft (W)	2SF	48450	9,500	19,100	25
2 x 1/4	Aluminum oxide	coarse	soft (W)	2AM	48451	9,500	19,100	25
2 x 1/4	Silicon carbide	fine	medium-hard (MH)	6SF	48454	9,500	19,100	25
2 x 1/4	Aluminum oxide	fine	medium-hard (MH)	6AF	48455	9,500	19,100	25
2 x 1/4	Aluminum oxide	fine	hard (H)	8AM	48458	9,500	19,100	25
2 x 1/4	Aluminum oxide	coarse	hard (H)	8AC	48459	9,500	19,100	25
3 x 1/4	Silicon carbide	fine	soft (W)	2SF	48460	6,400	12,500	25
3 x 1/4	Aluminum oxide	coarse	soft (W)	2AM	48461	6,400	12,500	25
3 x 1/4	Silicon carbide	fine	medium-hard (MH)	6SF	48464	6,400	12,500	25
3 x 1/4	Aluminum oxide	fine	medium-hard (MH)	6AF	48465	6,400	12,500	25
3 x 1/4	Aluminum oxide	fine	hard (H)	8AM	48468	6,400	12,500	25
3 x 1/4	Aluminum oxide	coarse	hard (H)	8AC	48469	6,400	12,500	25

# COMBIDISC® quick change discs

## Felt discs and brush

### COMBIDISC® felt discs



For polishing medium sized surfaces using polishing paste bars, grinding paste or diamond polishing paste.

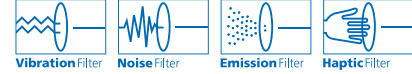
#### Ordering note

Please order backing pad and polishing paste separately (backing pads listed on page 34, polishing pastes listed on page 104).

For more information about polishing products see page 98.



**PFERD specification number**  
CD FR

#### PFERDERGONOMICS®



#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	EDP number	Recom. speed RPM	
<b>Type CD</b> 			
2	43215	2,000 - 4,000	10
3	43216	1,200 - 2,500	10
<b>Type CDR</b> 			
2	43213	2,000 - 4,000	10
3	43214	1,200 - 2,500	10

### COMBIDISC® brush



Recommended for removal of soft materials such as adhesive, underbody coatings and for cleaning contours and edges.

#### Recommendation for use

Use either the COMBIDISC® backing pad or the special drive arbor (EDP 42851). COMBIDISC® brushes perform best at the recommended peripheral speed of 2,000 - 3,000 SFPM.

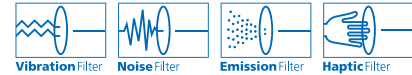
#### Ordering note

Please refer to our "Power and maintenance brushes" catalogue (section 208) for detailed information on brushes.

Please order backing pad (listed on page 34) or drive arbor (listed on page 25) separately.


**PFERD specification number**  
CD-B

#### PFERDERGONOMICS®



#### PFERDEFFICIENCY®



Diameter (D <sub>1</sub> ) [Inches]	EDP number	Wire material	Wire dia. [Inches]	Recom. speed RPM	Max. speed RPM	Suitable arbor	
<b>Type CD</b> 							
2	44970	Steel	.014	5,000 - 6,000	19,100	EDP 42851	5



Backing pads are available in three grades for each COMBIDISC® type. The photographs to the left illustrate the approximate flexibility of the three grades.




**PFERD specification number**  
SBH/SBHR

**COMBIDISC® backing pads**  
Type CD/CDR – soft

Type CD/CDR – medium

Type CD/CDR – hard



Diameter [Inches]	Shank diameter [Inches]	EDP number		Max. RPM	
		Type CD 	Type CDR 		
<b>Soft</b>					
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
<b>Medium</b>					
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
<b>Hard</b>					
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



# COMBIDISC® quick change discs

## Sets



Prep-to-paint set includes a selection of coated and non-woven abrasives for removal of surface imperfections such as rust, loose paint or cold drawn mill scale. Selected discs leave the proper surface finish for excellent wet and dry paint and coating adhesion.

### Contents of 2" CDR prep-to-paint set

- 1 pc. each of:
  - EDP 42460 – 2" CDR backing pad – medium
  - EDP 42913 – 2" CDR Mini-POLIFAN® disc A/O 60 grit
  - EDP 44853 – 2" CDR POLICLEAN® disc
- 4 pcs. of:
  - EDP 42506 – 2" CDR abrasice discs A/O 80 grit
  - EDP 43239 – 2" CDR surface conditioning discs medium

Type	Full set EDP number	
Prep-to-paint, 2" CDR attachment	42789	1



Sanitary finish set includes a selection of coated and non-woven abrasives designed to achieve the industry standard for a sanitary finish.

### Contents of 2" CDR sanitary finish set

- 1 pc. each of:
  - EDP 42460 – 2" CDR backing pad – medium
  - EDP 42913 – 2" CDR Mini-POLIFAN® disc A/O 60 grit
- 4 pcs. of:
  - EDP 42506 – 2" CDR abrasice discs A/O 80 grit
  - EDP 42426 – 2" CDR abrasice discs CONTOUR A/O 80 grit
  - EDP 43239 – 2" CDR surface conditioning discs medium

Type	Full set EDP number	
Satinary finish, 2" CDR attachment	42790	1



Mirror finishing set includes the required components to proceed from raw material removal to a full reflective surface.

### Contents of 2" CDR mirror finishing set

- 1 pc. each of:
  - EDP 42460 – 2" CDR backing pad – medium
  - EDP 42913 – 2" CDR Mini-POLIFAN® disc A/O 60 grit
  - EDP 48454 – 2" CDR unitized disc medium hard SiC fine
  - EDP 43213 – 2" CDR felt disc
  - EDP 48765 – Small bar pre-polishing paste (green)

- 2 pcs. of:
  - EDP 42426 – 2" CDR abrasice discs CONTOUR A/O 80 grit
- 3 pcs. of:
  - EDP 43239 – 2" CDR surface conditioning discs medium

Type	Full set EDP number	
Mirror finish, 2" CDR attachment	42791	1

