

# 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® grinding tools

## General information



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

### Advantages:

- Easy to use
- Rapid tool change
- No adhesion, no slipping
- No loosening under the influence of heat
- Vibration-free operation
- Tool is always fixed centrally

### 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

### Recommendations for use:

- Use grinding oil that is suitable for the material in order to significantly increase the tool life and the abrasive performance of the tools. More detailed information and ordering data for grinding oils can be found in catalogue 204, page 120.



### Ordering instructions:

When ordering, please state the EAN or the complete description. Please complete the description with the desired grit size.

**Ordering example:**  
EAN 4007220266175  
CD 38 A 180

**Ordering example explanation:**  
CD = COMBIDISC® abrasive discs  
38 = Outer dia.  $D_1$  [mm]  
A = Abrasive  
180 = Grit size

### Safety notes:

- The maximum permitted peripheral speed is 50 m/s
- 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!

### PFERD offers two alternative mounting systems:

#### CD System



**Tool 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

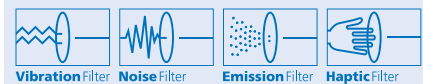
#### CDR System



**Tool 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® tools as a solution to sustainably reduce vibration, noise and dust levels produced by tools and to improve working comfort.



Vibration Filter

Noise Filter

Emission Filter

Haptic Filter



#### PFERDVIDEO

You will receive more information here or at [www.pferd.com](http://www.pferd.com)

### Cutting speeds

In the diagram, the cutting speeds are represented by blue diagonal lines. The vertical line representing the tool 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® tool and tool drive.

**Example:**

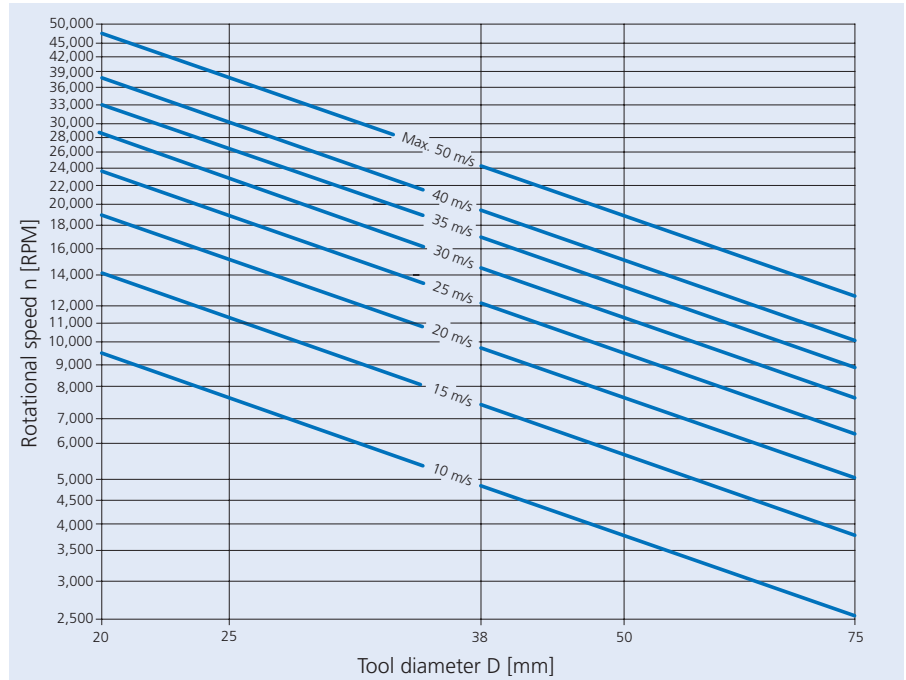
CD 50 A-COOL 60

Application:

Grinding of stainless steel (INOX)

Cutting speed: 20–25 m/s

**Rotational speed: 7,600–9,600 RPM**



### The fast way to the best tool

Application	Recommended cutting speed [m/s]								Recommended tools
	5	10	15	20	25	30	35	40	
Grinding of steel and cast steel				20–35 m/s					Abrasive discs A, A-FLEX, A-PLUS, A-FORTE, Z
Grinding of stainless steel (INOX)				20–25 m/s					Abrasive discs A-COOL, CO-COOL, TX discs
Coarse grinding of steel and cast steel					25–40 m/s				Mini-POLIFAN®, midget fibre discs, abrasive discs Z
Grinding of high-temperature-resistant materials (nickel- and cobalt-based alloys)		10–20 m/s							Abrasive discs SiC, Z and CO-COOL
Grinding of hard non-ferrous metals, titanium, bronze, hard aluminium alloys				15–35 m/s					Abrasive discs SiC, A-COOL, TX discs, CO-COOL
Grinding of soft non-ferrous metals, brass, copper, aluminium alloys					25–40 m/s				Abrasive discs A, A-FLEX, A-PLUS, A-FORTE, A-COOL, TX discs
Grinding of hard metal, hard material coatings, hard facings, glass, GRP, CRP		10–20 m/s							Diamond abrasive discs
Cleaning, texturing		10–20 m/s							Non-woven and POLICLEAN® discs, brushes
Polishing	5–10 m/s								Felt discs



# COMBIDISC® grinding tools

## COMBIDISC® grinding tools CD, CDR



### COMBIDISC® Mini-POLIFAN® Aluminium oxide A



For general-purpose coarse grinding work with good stock removal rates.

Ideal for weld dressing in hard-to-reach areas. Longer tool life and higher stock removal rate when compared to grinding discs.

**Abrasive: Aluminium oxide A**

**Ordering note:**

Alternative holders for:

CD PFF 50 –

COMBIDISC® abrasive disc holder SBH 20–50

CD PFF 75 –

COMBIDISC® abrasive disc holder SBH 75

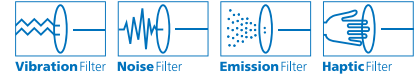
**Ordering example:**

EAN 4007220617359

CD PFF 50 A 40

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



Description	Grit size				D <sub>1</sub> [mm]	Recom. speed [RPM]	Suitable arbors	
	40	60	80	120				
EAN 4007220								

#### CD system



CD PFF 50 A	617359	617366	617373	617380	50	12,000–14,000	BO PFF 50	10
CD PFF 75 A	617397	617403	617410	617625	75	8,000–10,000	BO PFF 75	10

### COMBIDISC® Mini-POLIFAN® Zirconia alumina Z



For coarse grinding work with high stock removal and long tool life.

The high-performance abrasive zirconia alumina delivers the best results at increased contact pressure.

**Abrasive: Zirconia alumina Z**

**Ordering note:**

Alternative holders for:

CD PFF 50 –

COMBIDISC® abrasive disc holder SBH 20–50

CD PFF 75 –

COMBIDISC® abrasive disc holder SBH 75

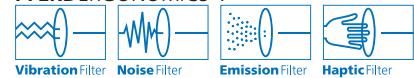
**Ordering example:**

EAN 4007220592717

CD PFF 50 Z 40

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



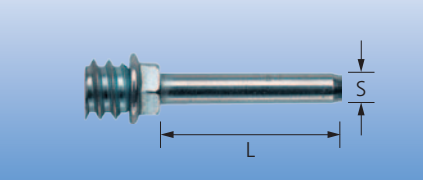
Description	Grit size				D <sub>1</sub> [mm]	Recom. speed [RPM]	Suitable arbors	
	40	60	80	120				
EAN 4007220								

#### CD system



CD PFF 50 Z	592717	592724	592731	592748	50	12,000–14,000	BO PFF 50	10
CD PFF 75 Z	592755	592762	592779	592786	75	8,000–10,000	BO PFF 75	10

### Arbors for COMBIDISC® Mini-POLIFAN®



Suitable arbors for COMBIDISC® Mini-POLIFAN® and COMBIDISC® brushes.



Description	EAN 4007220	S x L [mm]	Suitable tool	
BO PFF 50	593196	6 x 40	CD PFF 50	1
BO PFF 75	593202	6 x 40	CD PFF 75	1



Suitable for general use on metals and other materials.

**Abrasive: Aluminium oxide A**

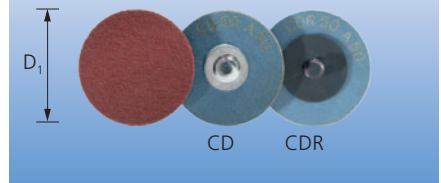
**Ordering example:**  
EAN 4007220266175  
CD 38 A **180**


Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**




**COMBIDISC® abrasive discs**  
**Aluminium oxide A**



Description	Grit size						D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36	60	80	120	180	320			
EAN 4007220									

**CD system** 

CD 20 A	-	265864	266007	266038	266052	266069	20	20,000–35,000	100
CD 25 A	-	355718	355725	355732	266083	266151	25	15,000–26,000	100
CD 38 A	355749	355756	355763	355770	266175	266199	38	10,000–16,000	100
CD 50 A	355787	355794	355800	355817	266212	266281	50	8,000–13,000	100
CD 75 A	355824	355831	355848	355855	266328	266359	75	5,000–9,000	50

**CDR system** 

CDR 20 A	-	778036	778043	778050	778074	778081	20	20,000–35,000	100
CDR 25 A	-	778098	778104	778111	778128	778135	25	15,000–26,000	100
CDR 38 A	596456	596463	596470	597255	597262	596500	38	10,000–16,000	100
CDR 50 A	596517	596524	596531	596548	596555	596562	50	8,000–13,000	100
CDR 75 A	596586	596593	596609	596616	596623	596630	75	5,000–9,000	50

Suitable for general use on metals and other materials.

Higher stock removal rates due to the stable backing material. Particularly suitable for edge grinding due to their outstanding strength.

**Abrasive: Aluminium oxide A-PLUS**

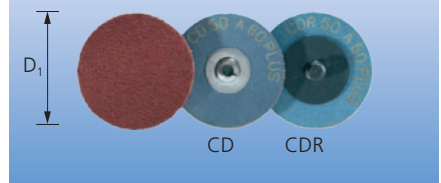
**Ordering example:**  
EAN 4007220593653  
CD 50 A **120 PLUS**


Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**




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



Description	Grit size				D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36 PLUS	60 PLUS	80 PLUS	120 PLUS			
EAN 4007220							

**CD system** 

CD 50 A	593608	593615	593622	593653	50	8,000–13,000	100
CD 75 A	593660	593677	593684	593691	75	5,000–9,000	50

**CDR system** 

CDR 50 A	778302	778319	778326	778333	50	8,000–13,000	100
CDR 75 A	778340	778357	778364	778371	75	5,000–9,000	50

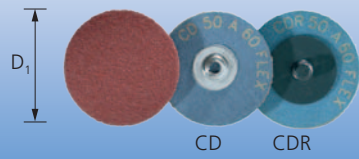


# COMBIDISC® grinding tools

## COMBIDISC® grinding tools CD, CDR



### COMBIDISC® abrasive discs Aluminium oxide A-FLEX



Particularly flexible abrasive discs, which are especially suitable for work on contours and concave surfaces.

For seamless transitions in the surface finish on metals. These tools are used in tool and mould construction.

**Abrasive: Aluminium oxide A-FLEX**

#### Recommendations for use:

- These discs should be used with a soft holder to support their flexibility

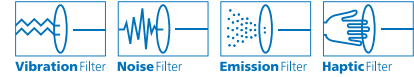
#### Ordering example:

EAN 40072206**38897**

CD 50 A **120 FLEX**

Please complete the description with the desired grit size.

#### PFERDERGONOMICS®:



Description	Grit size			D <sub>1</sub> [mm]	Recom. speed [RPM]	
	60 FLEX	80 FLEX	120 FLEX			
EAN 4007220						

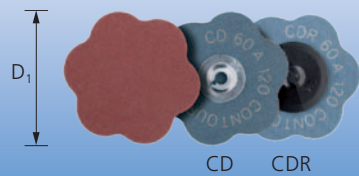
#### CD system

CD 38 A	638842	638859	638866	38	10,000–16,000	100
CD 50 A	638873	638880	638897	50	8,000–13,000	100
CD 75 A	638903	638910	638927	75	5,000–9,000	50

#### CDR system

CDR 38 A	778166	778159	778173	38	10,000–16,000	100
CDR 50 A	778180	778210	778227	50	8,000–13,000	100
CDR 75 A	778241	778272	778296	75	5,000–9,000	50

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



Very flexible and adaptive on account of their outer contour.

Cutting into the workpiece is avoided.

**Abrasive: Aluminium oxide A**

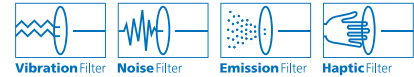
#### Ordering example:

EAN 40072208**98819**

CD 60 A **80 CONTOUR**

Please complete the description with the desired grit size.

#### PFERDERGONOMICS®:



Description	Grit size				D <sub>1</sub> [mm]	Recom. speed [RPM]	
	60 CONTOUR	80 CONTOUR	120 CONTOUR	180 CONTOUR			
EAN 4007220							

#### CD system

CD 60 A	898802	898819	898826	898833	60	7,500–11,000	50
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#### CDR system

CDR 60 A	898840	898857	898864	898871	60	7,500–11,000	50
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Suitable for general use on metals with high abrasive performance and long tool life.

**Abrasive: Aluminium oxide A-Forte**

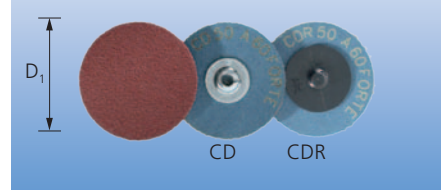
**Ordering example:**  
EAN 4007220266144  
CD 50 A 80 FORTE

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**




**COMBIDISC® abrasive discs**  
**Aluminium oxide A-FORTE**



Description	Grit size				D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36 FORTE	60 FORTE	80 FORTE	120 FORTE			
	EAN 4007220						

**CD system** 

CD 25 A	-	265833	266021	266045	25	15,000–26,000	100
CD 38 A	266076	266090	266106	266113	38	10,000–16,000	100
CD 50 A	266120	266137	266144	266168	50	8,000–13,000	100
CD 75 A	266182	266205	266229	266250	75	5,000–9,000	50

**CDR system** 

CDR 25 A	-	778388	778395	778401	25	15,000–26,000	100
CDR 38 A	596647	596661	596678	596685	38	10,000–16,000	100
CDR 50 A	596692	596708	596715	596722	50	8,000–13,000	100
CDR 75 A	596739	596746	596753	596760	75	5,000–9,000	50

Suitable for use on hard-to-machine materials such as stainless steel (INOX), Hastelloy® and Inconel® (nickel-based alloys).

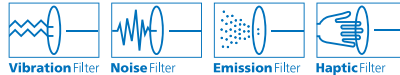
Active grinding additives in the coating significantly improve stock removal, prevent clogging and result in cooler grinding.

**Abrasive: Aluminium oxide A-COOL**

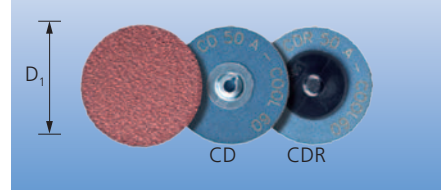
**Ordering example:**  
EAN 4007220266458  
CD 75 A-COOL 60


Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**




**COMBIDISC® abrasive discs**  
**Aluminium oxide A-COOL**



Description	Grit size			D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36	60	80			
	EAN 4007220					

**CD system** 

CD 50 A-COOL	265840	266427	266434	50	8,000–13,000	100
CD 75 A-COOL	266441	266458	266465	75	5,000–9,000	50

**CDR system** 

CDR 50 A-COOL	596777	596784	596791	50	8,000–13,000	100
CDR 75 A-COOL	596807	596814	596821	75	5,000–9,000	50

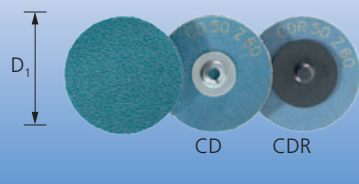


# COMBIDISC® grinding tools

## COMBIDISC® grinding tools CD, CDR



### COMBIDISC® abrasive discs Zirconia alumina Z



Suitable for work on all hard steels.

Particularly good stock removal in coarse grinding applications using grit sizes 36 and 60.

**Abrasive: Zirconia alumina Z**

**Recommendations for use:**

- Use with hard or medium-hard COMBIDISC® abrasive disc holders

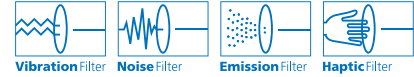
**Ordering example:**

EAN 4007220265857

CD 50 Z 36

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



Description	Grit size			D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36	60	80			
	EAN 4007220					

#### CD system



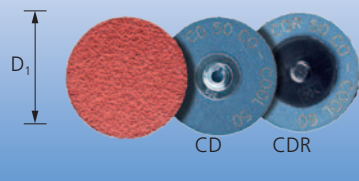
CD 38 Z	778418	778425	778432	38	5,000–16,000	100
CD 50 Z	265857	266472	266519	50	3,800–13,000	100
CD 75 Z	266526	266533	266540	75	2,500–9,000	50

#### CDR system



CDR 38 Z	778449	778456	778463	38	5,000–16,000	100
CDR 50 Z	596838	596845	596852	50	3,800–13,000	100
CDR 75 Z	596869	596876	596883	75	2,500–9,000	50

### COMBIDISC® abrasive discs Ceramic oxide grain CO-COOL



Suitable for work on non-alloyed and alloyed steels, cast iron, stainless steel (INOX), titanium, nickel-based alloys and extremely hard materials.

Consistently high performance due to self-sharpening ceramic oxide grain.

Active grinding additives in the coating significantly improve stock removal, prevent clogging and result in cooler grinding.

**Abrasive: Ceramic oxide grain CO-COOL**

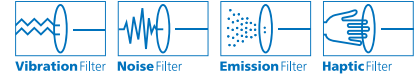
**Ordering example:**

EAN 4007220617922

CD 50 CO-COOL 24

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



Description	Grit size					D <sub>1</sub> [mm]	Recom. speed [RPM]	
	24	36	60	80	120			
	EAN 4007220							

#### CD system

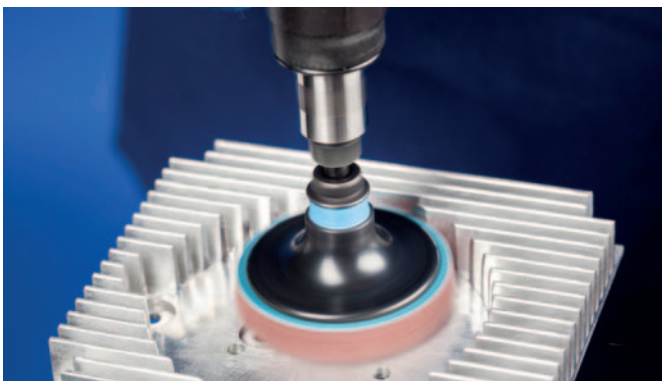


CD 38 CO-COOL	770672	770689	770696	770702	770719	38	5,000–16,000	100
CD 50 CO-COOL	617922	617298	617304	617311	771365	50	3,800–13,000	100
CD 75 CO-COOL	617939	617328	617335	617342	771372	75	2,500–9,000	50

#### CDR system



CDR 38 CO-COOL	778593	778609	778616	778623	778630	38	5,000–16,000	100
CDR 50 CO-COOL	778661	778678	778685	778692	778708	50	3,800–13,000	100
CDR 75 CO-COOL	778715	778722	778739	778746	778753	75	2,500–9,000	50





Exceptionally well suited for surface and edge grinding. The fibre backing strengthens the abrasive disc and improves stock removal.

For aggressive grinding with maximum stock removal on hard materials which do not conduct heat well such as stainless steel (INOX), Hastelloy®, Inconel®, titanium and cast aluminium.

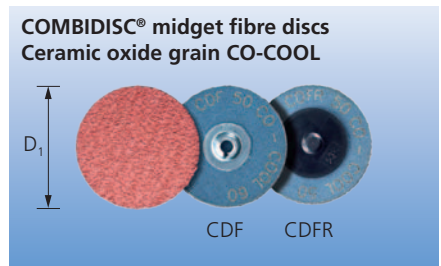
Active grinding additives in the coating significantly improve stock removal, prevent clogging and result in cooler grinding.


**Abrasive: Ceramic oxide grain CO-COOL**

**Ordering example:**  
EAN 4007220778876  
CDF 50 CO-COOL 36

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



Description	Grit size				D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36	50	80	120			
<b>EAN 4007220</b>							

**CD system**



CDF 50 CO-COOL	778876	778883	778890	779156	50	3,800–13,000	100
CDF 75 CO-COOL	779163	779170	779187	779194	75	2,500–9,000	50

**CDR system**



CDR 50 CO-COOL	779200	779217	779224	779231	50	3,800–13,000	100
CDR 75 CO-COOL	779255	779262	779279	779286	75	2,500–9,000	50

Suitable for work on aluminium, copper, bronze, titanium, high-alloy steels and fibre-reinforced plastics.

Particularly recommended for use on titanium alloys.

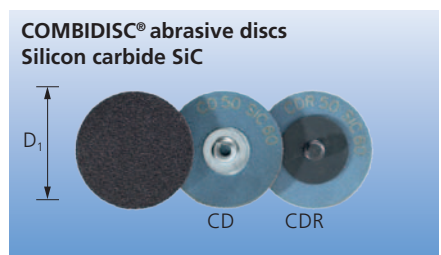
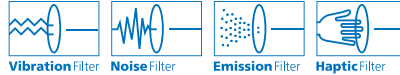
Ideally suited for use in the aircraft industry, especially where SiC is the only approved abrasive, e.g. for use on engine components.


**Abrasive: Silicon carbide SiC**

**Ordering example:**  
EAN 4007220441176  
CD 50 SiC 36

Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**



Description	Grit size					D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36	60	80	120	240			
<b>EAN 4007220</b>								

**CD system**



CD 50 SiC	441176	441183	441190	441206	441213	50	3,800–13,000	100
CD 75 SiC	441220	441237	441244	441251	441268	75	2,500–9,000	50

**CDR system**



CDR 50 SiC	778470	778487	778494	778500	778517	50	3,800–13,000	100
CDR 75 SiC	778524	778548	778555	778562	778579	75	2,500–9,000	50

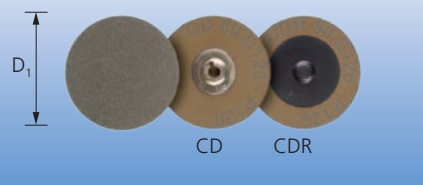


# COMBIDISC® grinding tools

## COMBIDISC® grinding tools CD, CDR



### COMBIDISC® diamond abrasive discs



Exceptionally suitable for work 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 aircraft engine construction e.g. Hastelloy®, Inconel® and titanium/titanium alloys.

Also highly suitable for work on extremely hard materials such as tungsten carbide, glass, ceramics, enamel, stone and GRP/CRP.

#### Abrasive: Diamond

D 251 = P 60  
 D 126 = P 120  
 D 76 = P 220  
 (P = Grit size according to ISO 6344)

#### Recommendations for use:

- Diamond abrasive discs achieve their best performance at a recommended cutting speed of 10–20 m/s
- For use with hard or medium-hard COMBIDISC® abrasive disc holders

#### Ordering note:

Grit sizes are specified in µm. More detailed information and ordering data for diamond grinding tools can be found in Catalogue 205.

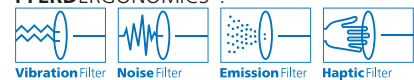
#### Ordering example:

EAN 4007220750377

CD DIA 50 D 126

Please complete the description with the desired grit size.

#### PFERDERGONOMICS®:



Description	Grit size [µm]			D <sub>1</sub> [mm]	Recom. speed [RPM]	
	251	126	76			
<b>EAN 4007220</b>						

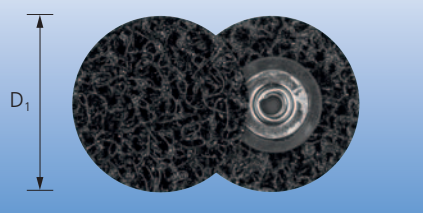
#### CD system

CD DIA 25 D	750292	750315	750322	25	7,500–15,000	10
CD DIA 38 D	750339	750346	750353	38	5,000–10,000	10
CD DIA 50 D	750360	750377	750384	50	3,800–7,500	10
CD DIA 75 D	750391	750407	750414	75	2,500–5,000	10

#### CDR system

CDR DIA 25 D	750421	750438	750445	25	7,500–15,000	10
CDR DIA 38 D	750452	750469	750476	38	5,000–10,000	10
CDR DIA 50 D	750483	750490	750506	50	3,800–7,500	10
CDR DIA 75 D	750513	750520	750537	75	2,500–5,000	10

### COMBIDISC® POLICLEAN® discs



For coarse cleaning work and removal of paint, scale, rust and adhesive residues in face-down grinding.

#### Recommendations for use:

- Use with hard or medium-hard COMBIDISC® abrasive disc holders

#### PFERDERGONOMICS®:



Description	EAN 4007220	D <sub>1</sub> [mm]	Recom. speed [RPM]	
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#### CD system

CD 50 PCLR	471500	50	5,500–8,000	10
CD 75 PCLR	471517	75	3,800–5,000	10



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

The flexibility of the disc during surface grinding is determined by the hardness grade of the holder.

**Abrasive: Aluminium oxide A**

Available grit sizes:

- 100 G (coarse) = yellow-brown
- 180 M (medium) = red-brown
- 240 F (fine) = blue

**Recommendations for use:**

- The addition of oil or water during grinding results in a finer finish, cooler grinding and longer tool life

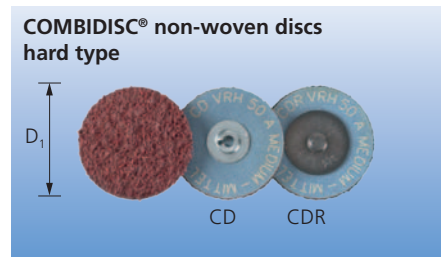
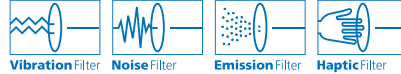
**Ordering example:**

EAN 4007220**266571**

CD VRH 25 A **240 F**

Please complete the description with the desired grit size.


**PFERDERGONOMICS®:**



Description	Grit size			D <sub>1</sub> [mm]	Recom. speed [RPM]	
	100 G	180 M	240 F			
<b>EAN 4007220</b>						

**CD system** 

CD VRH 20 A	-	-	265871	20	14,000–19,000	50
CD VRH 25 A	268865	266564	266571	25	11,000–15,000	50
CD VRH 38 A	266588	266595	268872	38	7,000–10,000	50
CD VRH 50 A	266618	266625	266632	50	5,500–7,500	50
CD VRH 75 A	266649	266656	266663	75	3,800–5,000	25

**CDR system** 

CDR VRH 38 A	596906	596913	596920	38	7,000–10,000	50
CDR VRH 50 A	596937	596944	596951	50	5,500–7,500	50
CDR VRH 75 A	596968	596975	597354	75	3,800–5,000	25

Suitable for very fine surface and contour grinding and for cleaning metal or painted surfaces. Highly open structure.

**Abrasive: Aluminium oxide A**

Available grit sizes:

- 100 = medium
- 180 = fine
- 280 = very fine

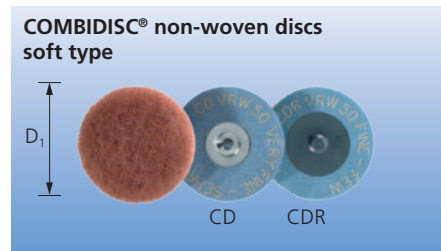
**Ordering example:**

EAN 4007220**266687**

CD VRW 50 A **180**


Please complete the description with the desired grit size.

**PFERDERGONOMICS®:**




**Recommendations for use:**

- The addition of oil or water during grinding results in a finer finish, cooler grinding and longer tool life

Description	Grit size			D <sub>1</sub> [mm]	Recom. speed [RPM]	
	100	180	280			
<b>EAN 4007220</b>						

**CD system** 

CD VRW 50 A	266670	266687	266694	50	5,500–7,500	50
CD VRW 75 A	266717	266724	266731	75	3,800–5,000	25

**CDR system** 

CDR VRW 50 A	596999	597002	597019	50	5,500–7,500	50
CDR VRW 75 A	597026	597033	597040	75	3,800–5,000	25

# COMBIDISC® grinding tools

## COMBIDISC® grinding tools CD, CDR



### COMBIDISC® non-woven discs PNER type



Suitable for use in face-down grinding on angle grinders. Particularly suitable for work on small and medium-sized surfaces of stainless steel (INOX) components.

#### Abrasives:

**A** = Aluminium oxide  
**SiC** = Silicon carbide

#### Ordering note:

The different thicknesses/hardnesses of the non-woven material are colour-coded:

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

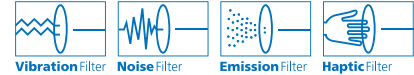
#### Ordering example:

EAN 4007220**832776**

CD PNER-W 5006 SiC **F**

Please complete the description with the desired grit size.

#### PFERDERGONOMICS®:



Description	Grit size		D <sub>1</sub> x T [mm]	Type	Abrasives	Recom. speed [RPM]	Max. perm. speed [RPM]	
	G (coarse)	F (fine)						
	EAN 4007220							

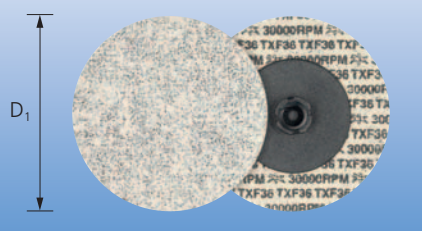
#### CD system

CD PNER-W 5006 A	832783	-	50 x 6	soft	Alum. oxide	9,500	19,100	25
CD PNER-W 5006 SiC	-	832776	50 x 6	soft	SiC	9,500	19,100	25
CD PNER-MH 5006 A	-	832806	50 x 6	medium-hard	Alum. oxide	9,500	19,100	25
CD PNER-MH 5006 SiC	-	832790	50 x 6	medium-hard	SiC	9,500	19,100	25
CD PNER-H 5006 A	832851	832813	50 x 6	hard	Alum. oxide	9,500	19,100	25
CD PNER-W 7506 A	832868	-	75 x 6	soft	Alum. oxide	6,400	12,500	25
CD PNER-W 7506 SiC	-	832837	75 x 6	soft	SiC	6,400	12,500	25
CD PNER-MH 7506 A	-	832882	75 x 6	medium-hard	Alum. oxide	6,400	12,500	25
CD PNER-MH 7506 SiC	-	832875	75 x 6	medium-hard	SiC	6,400	12,500	25
CD PNER-H 7506 A	832905	832899	75 x 6	hard	Alum. oxide	6,400	12,500	25

#### CDR system

CDR PNER-W 5006 A	832660	-	50 x 6	soft	Alum. oxide	9,500	19,100	25
CDR PNER-W 5006 SiC	-	832653	50 x 6	soft	SiC	9,500	19,100	25
CDR PNER-MH 5006 A	-	832684	50 x 6	medium-hard	Alum. oxide	9,500	19,100	25
CDR PNER-MH 5006 SiC	-	832677	50 x 6	medium-hard	SiC	9,500	19,100	25
CDR PNER-H 5006 A	832707	832691	50 x 6	hard	Alum. oxide	9,500	19,100	25
CDR PNER-W 7506 A	832721	-	75 x 6	soft	Alum. oxide	6,400	12,500	25
CDR PNER-W 7506 SiC	-	832714	75 x 6	soft	SiC	6,400	12,500	25
CDR PNER-MH 7506 A	-	832745	75 x 6	medium-hard	Alum. oxide	6,400	12,500	25
CDR PNER-MH 7506 SiC	-	832738	75 x 6	medium-hard	SiC	6,400	12,500	25
CDR PNER-H 7506 A	832769	832752	75 x 6	hard	Alum. oxide	6,400	12,500	25

### COMBIDISC® TX discs Aluminium oxide A



Achieve surface finishing in a single grinding operation which, in terms of quality, lies between that of coated abrasives and non-woven tools.

Particularly suitable for work on stainless steel (INOX) and aluminium.

**Abrasive: Aluminium oxide A**

#### Ordering example:

EAN 4007220**505731**

CD 50 A **80 TX**

Please complete the description with the desired grit size.

#### PFERDERGONOMICS®:



Description	Grit size				D <sub>1</sub> [mm]	Recom. speed [RPM]	
	36 TX	80 TX	120 TX	320 TX			
	EAN 4007220						

#### CD system



CD 50 A	505724	505731	505748	505755	50	7,500–9,500	25
CD 75 A	505786	505793	505809	505816	75	5,000–6,500	25



Suitable for polishing with polishing paste bars, grinding pastes or diamond polishing pastes in face-down grinding on medium-sized surfaces.

**PFERDERGONOMICS®:**



Description	EAN 4007220	D <sub>1</sub> [mm]	Recom. speed [RPM]	
<b>CD system</b> 				
CD FR 50	440490	50	2,000–4,000	10
CD FR 75	440506	75	1,200–2,500	10



Suitable for removal of soft materials such as adhesives and underbody coatings and for cleaning contours and edges.

**Filament material: Steel**

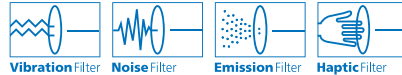
**Recommendations for use:**



- Use with either abrasive disc holder SBH 50 or arbor BO PFF 50
- COMBIDISC® brushes achieve their best performance at a recommended cutting speed of 10–15 m/s

**Ordering note:**

More detailed information and ordering data for other industrial power brushes can be found in Catalogue 208.

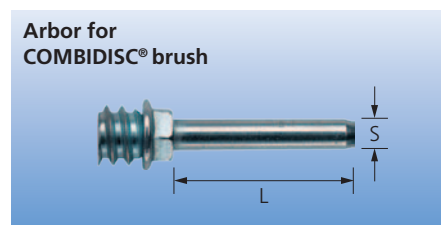
**PFERDERGONOMICS®:**



Description	EAN 4007220	Filament dia. d <sub>s</sub> [mm]	D <sub>1</sub> [mm]	Recom. speed [RPM]	Max. perm. speed [RPM]	Suitable arbors	
<b>CD system</b> 							
CD-B 50 ST 0,35	780077	0.35	50	5,000–6,000	19,100	BO PFF 50	5



Suitable arbor for COMBIDISC® Mini-POLIFAN® and COMBIDISC® brushes.



Description	EAN 4007220	S x L [mm]	Suitable tool	
BO PFF 50	593196	6 x 40	CD-B 50 ST 0,35	1



# COMBIDISC® grinding tools

## COMBIDISC® grinding tools CD, CDR



### COMBIDISC® abrasive disc holders SBH/SBHR



#### Explanation of the abbreviations:

S = Shank dia.  
L = Shank length

#### Colour code system of abrasive disc holders:

W (soft) = grey  
M (medium) = blue  
H (hard) = red

#### Ordering example:

EAN 4007220**266809**

SBH 50 **M**

Please complete the description with the desired hardness.

#### Ordering example explanation:

SBH = Abrasive disc holder  
50 = Dia. D [mm]  
**M** = Hardness



Description	Hardness			D [mm]	S x L [mm]	Max. perm. speed [RPM]	
	W (soft)	M (medium)	H (hard)				
	EAN 4007220						

#### CD system

SBH 20	-	265901	-	20	6 x 40	47,500	1
SBH 25	-	266755	-	25	6 x 40	38,000	1
SBH 38	266762	266779	266786	38	6 x 40	25,000	1
SBH 50	266793	266809	266816	50	6 x 40	19,000	1
SBH 75	266823	266830	266847	75	6 x 40	12,500	1

#### CDR system

SBHR 20	-	776315	-	20	6 x 40	47,500	1
SBHR 25	-	776322	-	25	6 x 40	38,000	1
SBHR 38	776346	597057	776339	38	6 x 40	25,000	1
SBHR 50	776360	597064	776353	50	6 x 40	19,000	1
SBHR 75	776384	597071	776377	75	6 x 40	12,500	1



#### Adapter

The abrasive disc holder can be replaced by suitable adapters. This enables the abrasive disc holder to be mounted directly to the drive spindle.

The following adapters are available:

**AF 14-1/4**, EAN (4007220**302026**)  
Female thread M14, male thread 1/4-20 UNC.  
Suitable for drives with spindle M14.

#### SPV-20 CD 1/4-20 UNC,

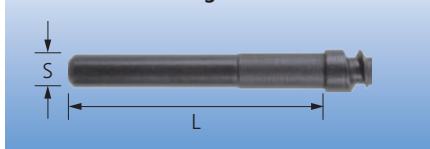
(EAN 4007220**333167**)

Female thread 1/4-20 UNC, male thread 1/4-20 UNC. Suitable for drives with spindle 1/4-20 UNC e.g. for PW 3/120 DH.

#### Ordering note:

More detailed information and ordering data for adapters can be found in Catalogue 209.

### COMBIDISC® track grinder



Specifically designed for cleaning and slot grinding applications, e.g. cost-efficient cleaning and rust removal of seat mounting rails (tracks) in passenger aircraft.

Imparts an orbital ("wobble") movement to the abrasive or non-woven discs.



Description	EAN 4007220	S x L [mm]	Suitable tool	
STS 6	265895	6 x 40	CD 20, CD 25	1

For getting to know and testing the comprehensive system.

### COMBIDISC® set 50

#### Contents:

3 pcs. each of COMBIDISC® abrasive discs:

- CD 50 A 60 FORTE
- CD 50 A 120 FORTE
- CD 50 A-COOL 60
- CD 50 CO-COOL 36
- CD 50 Z 60

3 pcs. each of COMBIDISC® non-woven discs:

- CD VRH 50 A 180 M
- CD VRW 50 A 100

1 pc. each of:

- abrasive disc holder, medium-hard SBH 50 M

### COMBIDISC set 75

#### Contents:

3 pcs. each of COMBIDISC® abrasive discs:

- CD 75 A 60 FORTE
- CD 75 A 120 FORTE
- CD 75 A-COOL 60
- CD 75 CO-COOL 36
- CD 75 Z 60

3 pcs. each of COMBIDISC® non-woven discs:

- CD VRH 75 A 180 M
- CD VRW 75 A 100

1 pc. each of:

- Abrasive disc holder SBH 75 M

### COMBIDISC® sets



Description	EAN 4007220	
COMBIDISC-SET 50	265918	1
COMBIDISC-SET 75	265932	1

Set for all coarse and fine-grinding, polishing and cleaning tasks, especially on assembly and construction sites.

The single-hand, electronically speed-adjustable angle grinder included in the set covers the entire speed range for COMBIDISC® tools with 50 mm diameter.

The handy shape enables the comfortable use and easy handling of the well-rounded tool range.

For detailed information and ordering data for tool drives, please refer to Catalogue 209.

#### Contents:

- 1 electric angle grinder UWER 5/200 SI with electronic rotational speed control (9,000–20,000 RPM), 500 watts power output
- 4 abrasive disc holders and 2 arbors for alternative tool drives
- 135 different abrasive discs, TX discs, Mini-POLIFAN®, non-woven and felt discs with 50 mm diameter
- Polishing paste bar for use of felt discs

### COMBIDISC® set CD 50 UWER 5/200 230 V



Description	EAN 4007220	
SET CD 50 UWER 5/200 230 V	607893	1



