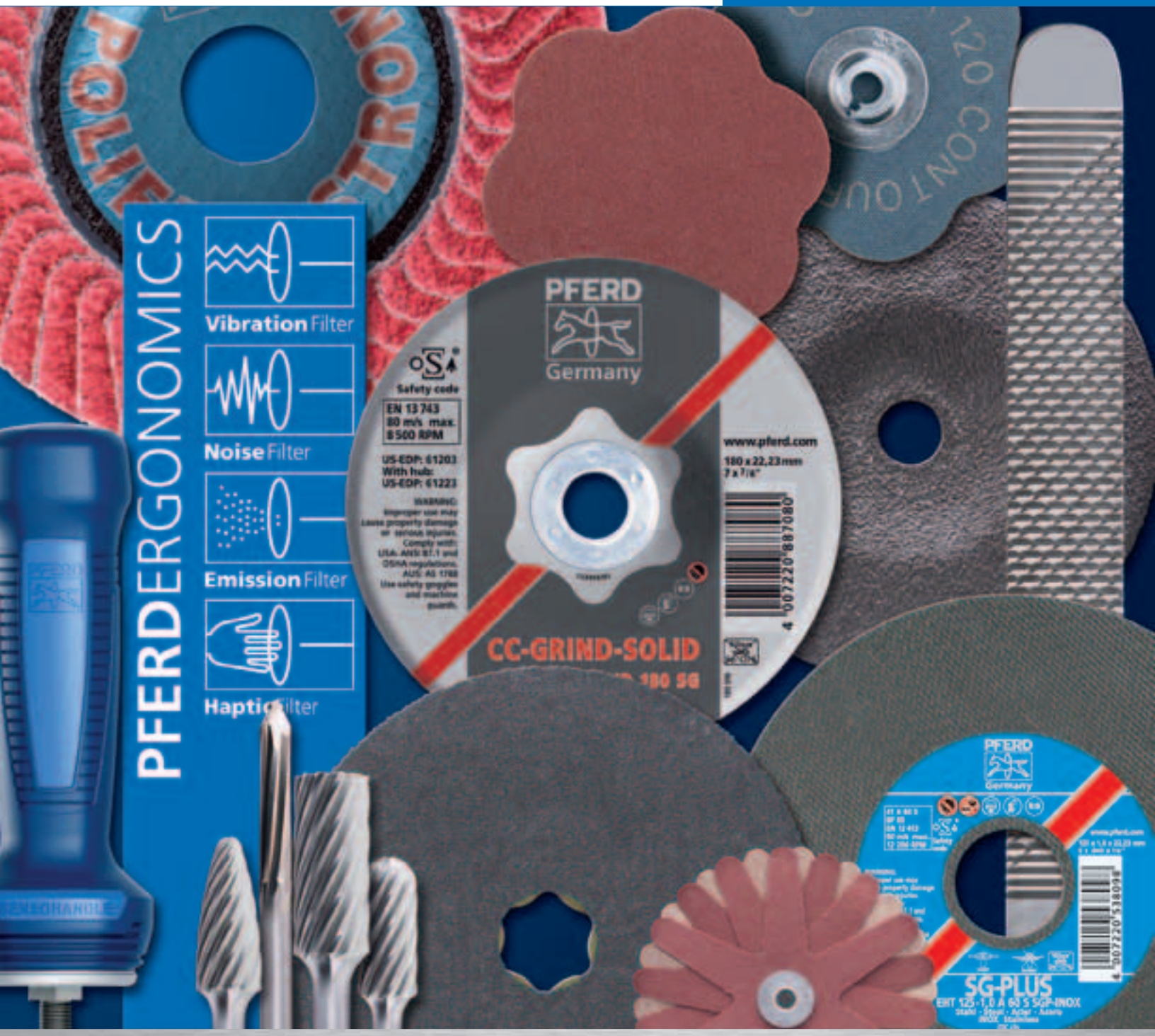
New in the PFERD Product Line



TRUST BLUE

■ New Since Tool Manual 21

I trust blue.

Workers all over the world trust blue and choose PFERD.

The combination of innovative, high-performance products, world-class customer support, and your expertise guarantees the optimum result for every task.

Visit our website for information about our innovative products and services.

PFERD

www.pferd.com

Table of Contents

This brochure contains all the new PFERD products and additions to the range 2010 - 2012 which are not included in the PFERD Tool Manual 21. They are marked by a blue or grey N! symbol and are shown in the respective product groups in catalogues 201 - 209.

N! New since Tool Manual 21
N! New in the PFERD product line 2012

PFERDERGONOMICS

The Focus is on People

During the creation process of any tool for hand-held use, all the way from research and development to production, PFERD's focus is on people.

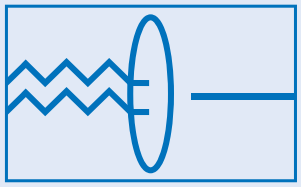
High-quality manufacturers commonly focus on providing the most cost-effective tool for their customers. PFERD knows that the best value comes from focusing on the health and safety of the operator.

Indoors or outdoors, from the foundry to the shipyard- End-users face a variety of tough working conditions, rough applications and high physical demands. There is a constantly increasing challenge of producing perfect, uniform results under tight deadlines and extreme physical pressure.

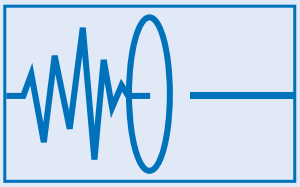
PFERD recognizes that the most effective reduction in costs and increases in productivity depend on understanding the tools, the environment, and the application, and their impact on the **health**, **safety**, and **comfort** of the user.

To be able to fulfil these increased requirements, **PFERD**ERGONOMICS supplies solutions for:

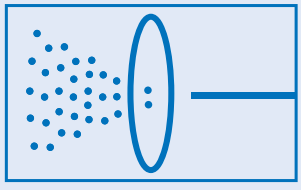
- Lower vibrations
- Reduced noise
- Less dust
- Optimized haptics at work



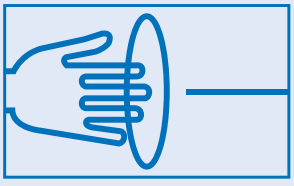
Vibration Filter



Noise Filter



Emission Filter



Haptic Filter

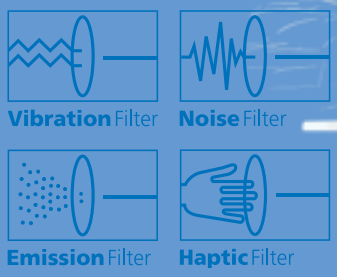
Immediately recognize in which areas our tools can be of benefit to you. Tool innovations from PFERD are marked by our **PFERD**ERGONOMICS pictograms.

PFERD-**ERGO**CHECK:

Free analysis of working processes and loads on site. Comparison of tools in applications. Evaluation of potentials for improvement.

PFERDERGONOMICS:

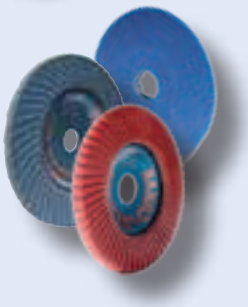
The use of innovative solutions for less vibrations, less noise, less dust and better haptics.



Option:

PFERD-**ERGO**SCAN:

Detailed measurement of all ergonomic loads on site. Scientific evaluation.



Reducing health-related loads at the workplace

Increasing occupational safety

Meeting standards and guidelines

Raising the level of working comfort

PFERD Tool Manual

The fast way to the best tool.

PFERD Support:

Innovative high-performance tools
+ Individual, directed support
+ Correct drive selection
+ User's skills

= Optimum, most efficient result

Do the ERGOCHECK**!**

Your PFERD consultant and PFERD distributor will visit you on-site. The tools, drives and working processes will be evaluated with respect to ergonomics, safety and health. The tests will be carried out on a workpiece.

The **ERGO**CHECK will certainly pay off for you, because you receive substantiated specialist advice and an assessment which points out important potentials for improvement. **PFERD offers you the ERGO**CHECK **free of charge**.

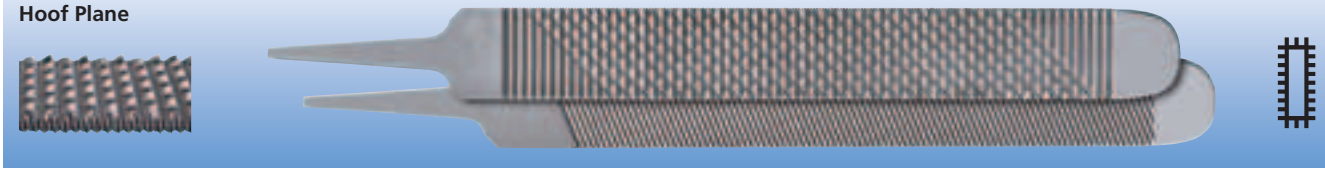
New in the PFERD Product Line 201

Hoof Planes

Horse rasps have been produced since the end of the eighteenth century and were one of the first PFERD tools.

PFERD presents the new hoof plane. An innovative, extremely high-performing and durable tool for processing horse's hooves, making work on hooves easier, quicker and so protecting farrier's health.

Hoof Plane



The superb chipping properties guarantee quick processing which reduces the amount of effort required and is easy on the back. Good stock removal rates and extremely good surface quality.

This does not have – as is generally the case – a cross or rasp cut, but rather is milled cut both sides – one side fine, the other coarse.

The hoof plane is used to plane hoof surfaces, for fine work on the hoof wall and for filing the hoof toe. Due to the high-quality material used, the horseshoe nails can also be processed once they have been hammered in; the plane will not blunt either on the nail or on the horseshoe.

Rectangular file with tang, cut on four sides.

Advantages
- Lighter than a standard rasp.
- Good-quality planing work on the hoof.
- Shorter processing times.
- Excellent surface quality.
- Saves effort and is easy on the back.

Recommendations for Use
The PFERD hoof plane can be used with commercially available file handles in the appropriate size.
- Length 10": Particularly suitable for work on the hooves of foals, ponies or for one-hand planing when maintaining hooves.
- Length 14": Particularly suitable for working on the hooves of warmblood and thoroughbred horses.
- Length 17": Particularly suitable for working on the hooves of heavy horses or horses with large hooves.

PFERD Specification Number
3515

	Length [Inches]	Cross-section [Inches]	Cut and EDP Number Milled	Compatible Handle EDP	Included Handle EDP	
N!	10	1-3/4 x 1/4	15055	11149	–	5
	14	1-3/4 x 1/4	15040	11149	–	5
N!	17	1-3/4 x 1/4	15041	11149	–	5

Hoof Plane "Edition Plus"

PFERD also offers the hoof plane in the Edition Plus with an Equithotics handle in a leather sheath. The leather sheath has a clip on the back, via which it can be attached to a belt or an apron.

Advantages
- Leather sheath for optimum protection of the hoof plane.
- Keep your hoof plane handy using the sheath clip.

Recommendation for Use
- Length 10": Particularly suitable for work on the hooves of foals, ponies or for one-hand planing when maintaining hooves.

PFERD Specification Number
2016

	Length [Inches]	Cross-section [Inches]	Cut and EDP Number Milled	Compatible Handle EDP	Included Handle EDP	
N!	10	1-3/4 x 1/4	15149	–	11149	1

N! New since Tool Manual 21
N! New in the PFERD product line 2012

Hoof Set

The hoof set contains the most important tools for general hoof maintenance or for initial work on damaged hooves and worn horseshoes.
A robust roll-up bag made of leather is perfect for storing and protecting your tools.

PFERD Specification Number
HD 3519

Hoof Set

	Contents	EDP Number	
N!	10" Hoof Plane with Equithotics File Handle Knipex Hoof Pliers Picard Horseshoe Hammer Hauptner Farrier's Knife, Right-hand Cutting	15056	1

Diamond Handy Files

Diamond handy files are small, extremely convenient files which can be used to grind the curved tip of a hoof knife. They have a forged shank so that they can be used without a handle.

PFERD Specification Number
DF

Diamond Handy File Set

	Contents	Included Grit Sizes	Overall Length [Inches]	EDP Number	
N!	8-1/2" Diamond Handy File D25 Round, 8-1/2" Diamond Handy File D46 Round	D25, D46	8-1/2	15057	1

New in the PFERD Product Line 202

TC Burs INOX Cut

With INOX cut, PFERD has now developed innovative burs for working stainless steel (INOX). INOX cut stands out thanks to its extremely high stock removal performance on all austenitic, rust and acid-restistant steels.

Advantages

- Offers outstanding stock removal performance and tool life thanks to innovative tooth geometry.
- Achieves high-grade quality finishes through optimum chip formation.
- Prevents heat discoloration in the material through low heat development.
- Guarantees comfortable, ergonomic working through smooth running with reduced vibration and less noise.

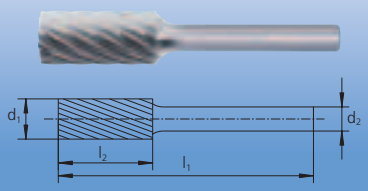
INOX Cut

Recommended Rotational Speed [RPM]

Dia. [Inches]	Cutting Speed [SFPM] 1,500	Cutting Speed [SFPM] 2,000
	Rotational Speed [RPM]	Rotational Speed [RPM]
3/8	14,000	19,000
1/2	12,000	16,000

Example:
Tungsten Carbide Bur, INOX Cut,
Diameter 1/2".
Cutting Speed: 1,500 - 2,000 SFPM
Rotational Speed: 12,000 - 16,000 RPM

Cylindrical (Plain End)
Shape A



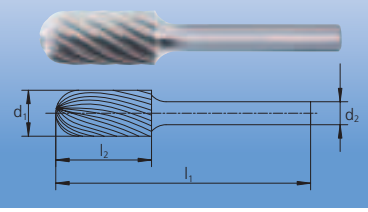
Cylindrical bur with plain end (uncut).

PFERD Specification Number
ZYA

Vibration Filter Noise Filter

	Head Dia. x Length d_1 x l_2 [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number INOX	
	Shank Dia. 1/4"					
N!	3/8 x 3/4	SA-3	1/4	2-1/2	24067	1
N!	1/2 x 1	SA-5	1/4	2-3/4	24107	1

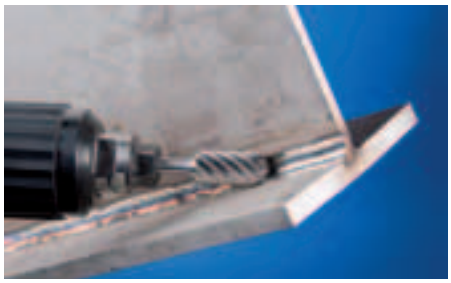
Cylindrical (Radius End)
Shape C



Cylindrical bur with radius end.

PFERD Specification Number
WRC

Vibration Filter Noise Filter



	Head Dia. x Length d_1 x l_2 [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number INOX	
	Shank Dia. 1/4"					
N!	3/8 x 3/4	SC-3	1/4	2-1/2	24427	1
N!	1/2 x 1	SC-5	1/4	2-3/4	24467	1

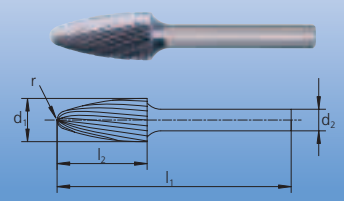
N! New since Tool Manual 21
N! New in the PFERD product line 2012

Tree-shaped bur with radius end.

PFERD Specification Number
RBF

Vibration Filter Noise Filter

Tree (Radius End)
Shape F



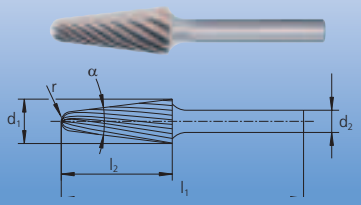
	Head Dia. x Length d_1 x l_2 [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number INOX	
	Shank Dia. 1/4"					
N!	3/8 x 3/4	SF-3	1/4	2-1/2	24707	1
N!	1/2 x 1	SF-5	1/4	2-3/4	24727	1

Taper bur with radius end.

PFERD Specification Number
KEL

Vibration Filter Noise Filter

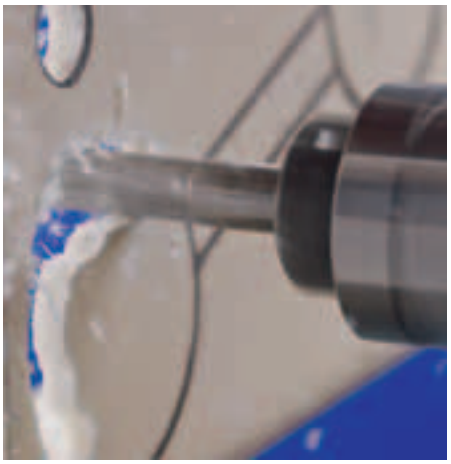
14° Taper (Radius End)
Shape L



	Head Dia. x Length d_1 x l_2 [Inches]	SCTI No.	Shank Dia. d_2 [Inches]	Angle α	Overall Length l_1 [Inches]	Cut Type and EDP Number INOX	
	Shank Dia. 1/4"						
N!	3/8 x 3/4	SL-3	1/4	14°	2-1/2	25157	1
N!	1/2 x 1-1/8	SL-4	1/4	14°	2-3/4	25167	1

New in the PFERD Product Line 202

TC Burs PLAST Cut



Tungsten carbide burs with the PLAST cut are perfect for combined drilling and cutting tasks, particularly on less hard glass and carbon-fibre reinforced duroplastics (GRP and CFRP ≤ 40 % fibre content).

The straight cut (similar to PKD milling tools) minimizes delamination and fraying.

Also highly suitable for machine and robot use.

PLAST with Special End Cut (BS)

The sturdily designed end cut (BS) is particularly suitable for use on machines and robots.

PLAST Cut

PLAST with Center Drill (ZBS)

The bur version with the centre drill (ZBS) has been particularly developed for manual use. The special geometry of the centre drill makes the safe milling of even concave or convex surfaces possible.

Advantages

- The special tooth geometry makes high feed speed rates possible at very low cutting forces, particularly on less hard glass and carbon-fibre reinforced duroplastics (GRP and CFRP ≤ 40% fibre content).
- The combination of end cut or centre drill with the PLAST cut allows drilling and milling work to be carried out in one work step.

Application Examples

- Trimming.
- Contour milling.
- Production of cut-outs.
- Deburring.

Recommendations for Use

If chatter and vibration occurs during operation, the bur may break and the workpiece may become damaged. Avoid this by ensuring that the bur diameter is always greater than the thickness of the workpiece.

Note
If the tool tends to shudder, the speed must be increased. If the workpiece begins to melt, the speed must be reduced, as well as the contact pressure if appropriate.

Recommended Rotational Speed Range [RPM]

To determine the recommended cutting speed [SFPM], please proceed as follows:
❶ Select the material group that is to be machined.
❷ Determine the type of application.
❸ Select the cut.
❹ Establish the cutting speed range.

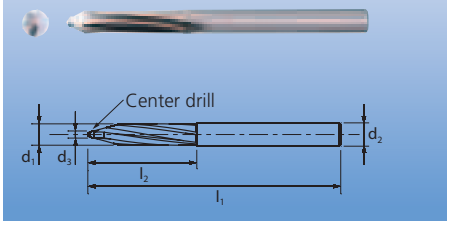
To determine the recommended rotational speed [RPM], please proceed as follows:
❺ Select the required bur diameter.
❻ The cutting speed range and the bur diameter determine the recommended rotational speed range [RPM].

❶ Material Groups		❷ Application	❸ Cut	❹ Cutting Speed
Plastics and other materials	Fibre-reinforced plastics (GRP/CRP), fibre content ≤ 40% thermoplastics	Coarse machining = high stock removal	PLAST	1,600 - 3,000 SFPM
		Fine machining = low stock removal		

Example:
Burr, PLAST Cut,
Diameter: 5/16".
Coarse machining of plastics.
Cutting Speed: 1,600 - 3,000 SFPM
Rotational Speed: 20,000 - 36,000 RPM

	❻ Cutting Speed [SFPM]	
❺ Dia. [Inches]	1,600	3,000
	Rotational Speed [RPM]	
1/4	27,000	48,000
5/16	20,000	36,000

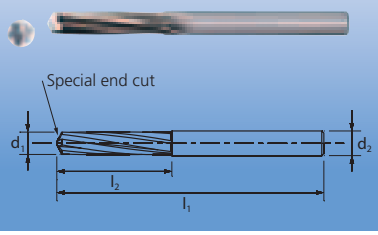
Cylindrical Shape ZYA with Center Drill



Cylindrical bur.

PFERD Specification Number
ZYA

Cylindrical Shape ZYA with Special End Cut

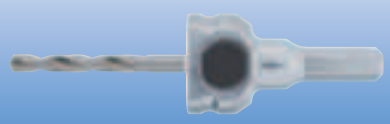


	Head Dia. x Length d_1 x l_2 [Inches]	Shank Dia. d_2 [Inches]	Overall Length l_1 [Inches]	Cut Type and EDP Number PLAST	
	TC Burs with Special End Cut				
N!	1/4 x 1	1/4	2-3/4	26430	1
N!	5/16 x 1	5/16	2-3/4	26431	1
	TC Burs with Center Drill				
N!	1/4 x 1	1/4	2-3/4	26420	1
N!	5/16 x 1	5/16	2-3/4	26421	1

New in the PFERD Product Line 202

Quick-Change Mounting System for Hole Saws

Quick-Mounting System for Hole Saws



EDP 29042

Adapter Sets

EDP 29043

EDP 29044

PFERD offers a new quick-change mounting system for hole saws. This quick-change system and the two three-part adapter sets matched to the hole saw diameters ensure that PFERD hole saws can be used easily and conveniently with all standard drive systems.

Recommendation for Use

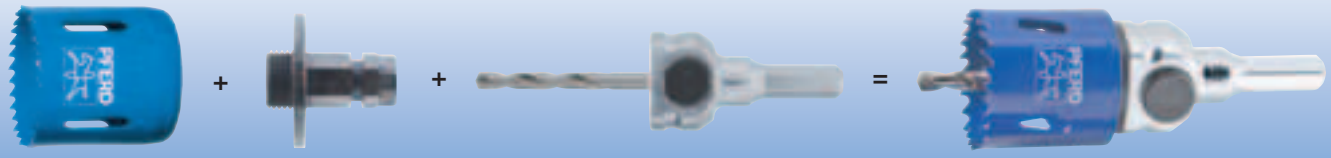
The adapters are screwed simply and quickly into the desired hole saw and can then be mounted in the quick-change system. After use, the hole saw can be released from the quick-mounting system by pushing a button, without any additional tools being necessary.

Ordering Note

The adapter set EDP 29043 is available for hole saw diameters from 9/16" to 1-3/16", and the adapter set EDP 29044 is available for hole saw diameters from 1-1/4" to 6". Both adapter sets include three individual adapters with the same dimensions.

	Description	Suitable for Hole Saw Diameters [Inches]	EDP Number	
N!	Quick-Mounting System for Hole Saws (PSL 11)	9/16 to 6	29042	1
N!	3-Piece Quick-Mounting Adapter Set (1/2-20 Thread)	9/16 to 1-3/16	29043	1
N!	3-Piece Quick-Mounting Adapter Set (5/8-18 Thread)	1-1/4 to 6	29044	1

Combination Example:



1-3/4" Hole Saw EDP 29119 + Adapters from Adapter Set EDP 29044 + Quick-Change System EDP 29042 = 1-3/4" Hole Saw with Adapter AS-PSL 32-152 and Quick-Mounting System PSL 11

N! New since Tool Manual 21
N! New in the PFERD product line 2012

The silicon carbide SiC type is suitable for working on aluminum, copper, bronze, titanium, high-alloy steels and fibre reinforced plastics.

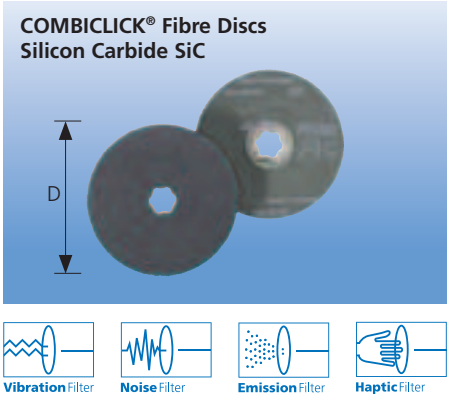
Particularly recommended for use on titanium alloys.

The tool of choice in the aircraft industry, specifically where SiC is the only approved abrasive product for use on engine components.

Abrasive: SiC (Silicon Carbide)

Ordering Note
Please order COMBICLICK® backing pad separately.

PFERD Specification Number
CC-FS SiC



	Diameter (D) [Inches]	Grit and EDP Number				Max. RPM	
		36	60	80	120		
N!	4-1/2	40021	40022	40023	40024	13,300	25
N!	5	40028	40029	40030	40031	12,200	25

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

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

The patented COMBICLICK® mounting system minimizes tool changing times.

PFERD Specification Number
CC-GT

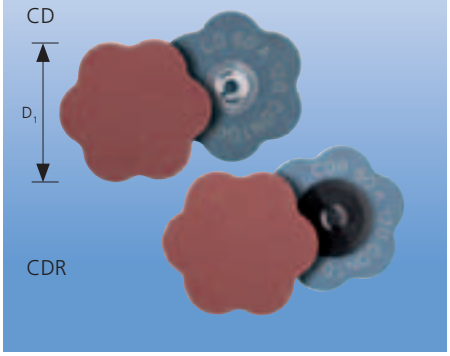
Disc Diameter (D) [Inches]	Thread Size	EDP Number	Max. RPM	
4-1/2 and 5	5/8-11	69470	13,300	1
4-1/2 and 5	M14 x 2.0	69471	13,300	1
7	5/8-11	69474	8,500	1
7	M14 x 2.0	69475	8,500	1

N! New since Tool Manual 21
N! New in the PFERD product line 2012

New in the PFERD Product Line 204

COMBIDISC® Grinding Tools CD, CDR

COMBIDISC® Abrasive Discs Aluminum Oxide A-CONTOUR



Vibration Filter | Noise Filter | Emission Filter | Haptic Filter

The scalloped-edge pattern of COMBIDISC® A-CONTOUR eliminates edge cutting. The abrasive discs easily follow transitions and contours on complex work pieces.
Especially suitable for working tight contours and concave surfaces with radius transitions. The special outer contour prevents the tools "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 18 of section 204 in Tool Manual 21).

PFERD Specification Number
CD A-CONTOUR

	Diameter (D) [Inches]	Grit and EDP Number 60	80	120	180	Recom. Speed RPM	
	Type CD						
N!	2-3/8	42117	42118	42119	42120	7,500 - 11,000	50
	Type CDR						
N!	2-3/8	42425	42426	42427	42428	7,500 - 11,000	50

N! New since Tool Manual 21
N! New in the PFERD product line 2012

POLISTAR-TUBE is made up of several layers of grinding stars riveted together. To prevent corrosion forming on stainless steel (INOX) pipes, POLISTAR-TUBE is made using stainless steel rivets.

POLISTAR-TUBE grinding stars are used especially for working the inside surfaces of pipes and pipe bends.
The grinding stars are combined with suitable flexible shafts (see page 29).
- for PST-T (2" to 3-1/4") – 4 PST-T DIN 10/M4
- for PST-T (3-1/2" to 4") – 7 PST-T DIN 10/M5

POLISTAR-TUBE is ideal for:
- step-by-step cleaning and finishing of inner surfaces and pipe bends,
- rounding off pipe ends and deburring bore holes,
- use in straight pipes and deep bore holes. With this application the PST-T are used with the matching arbors.

Advantages
- Extremely flexible.
- Very high-quality surface finishes up to Ra 0.2 µm can be achieved.

Recommendation for Use
The following pipe inner diameters can be worked using different diameters:
- 2" PST-T for inner pipe dia. 1-3/8" - 1-5/8"
- 2-1/4" PST-T for inner pipe dia. 1-5/8" - 1-3/4"
- 2-3/4" PST-T for inner pipe dia. 1-3/4" - 2"
- 3-1/8" PST-T for inner pipe dia. 2" - 2-1/4"
- 3-1/2" PST-T for inner pipe dia. 2-1/4" - 2-3/8"
- 4" PST-T for inner pipe dia. 2-3/8" - 2-5/8"

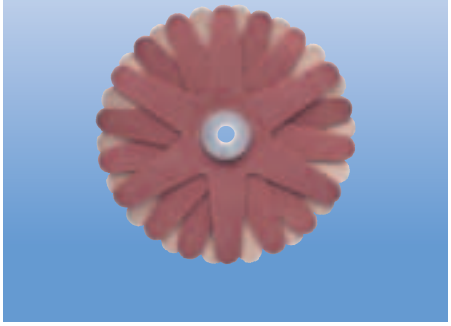
The different grit sizes can be used to achieve the following roughness values:
- Grit size 60 = 1.0 - 1.3 µm Ra
- Grit size 120 = 0.6 - 1.0 µm Ra
- Grit size 180 = 0.4 - 0.6 µm Ra
- Grit size 240 = 0.3 - 0.4 µm Ra
- Grit size 320 = 0.2 - 0.3 µm Ra

Ordering Note
Please order POLISTAR-TUBE arbor or flexible shaft separately.
*PST-T in grit size 60 are delivered as 4-layer items.

Safety Note
For safety reasons, the stated max. RPM level must not be exceeded.

PFERD Specification Number
PST-T

POLISTAR-TUBE



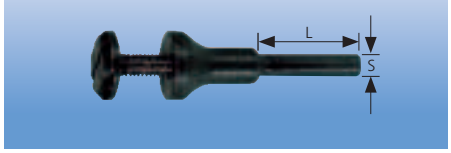
	Diameter [Inches]	Bore [mm]	No. of Layers	Grit and EDP Number *60	120	180	240	320	Recom. Speed RPM	Max. RPM	Suitable Arbor	
N!	2	4	6	44015	44016	44017	44018	44019	3,000	7,650	EDP 44062	10
N!	2-1/4	4	6	44020	44021	44022	44023	44024	2,500	6,350	EDP 44062	10
N!	2-3/4	4	6	44025	44026	44027	44028	44029	2,200	5,450	EDP 44062	10
N!	3-1/8	4	6	44030	44031	44032	44033	44034	1,900	4,750	EDP 44062	10
N!	3-1/2	5	8	44035	44036	44037	44038	44039	1,700	4,250	EDP 44063	10
N!	4	5	8	44040	44041	44042	44043	44044	1,500	3,820	EDP 44063	10

Arbors

Reusable arbor for POLISTAR-TUBE.

These arbors reduce set-up times significantly. Discs can be changed without removing the arbor from the ma chine spindle.

Arbors for POLISTAR-TUBE

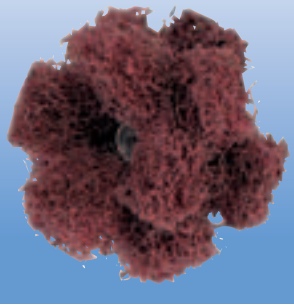


	Shank Dia. x Length (S x L) [Inches]	Tool Bore [mm]	Clamping Width [Inches]	EDP Number	
N!	1/4 x 1	4	0 - 3/8	44062	1
N!	1/4 x 1	5	0 - 3/8	44063	1

New in the PFERD Product Line 204

POLINOX® Cross Buffs

POLINOX® Cross Buffs



Suitable for cleaning, deburring and fine grinding of inner surfaces and contours.
Ideal for narrow places such as bores and cavities and hard-to-reach places.
Available in four different dimensions and three grit sizes.

Application Examples
- Deburring of bores on non-ferrous metals.
- Fine grinding on the inner surfaces of pipes made of stainless steel (INOX).
- Cleaning thread pitches.

Recommendation for Use
Recommended cutting speed:
2,000 - 4,000 SFPM.

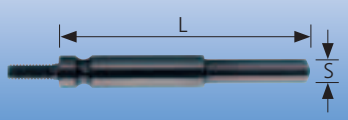
Ordering Note
Please order arbor separately.

PFERD Specification Number
PNST

Diameter [Inches]	No. of layers	Thread	Grit size and EDP Number			Recom. Speed RPM	Max. RPM	Suitable Arbor	
			coarse	medium	fine				
3/4	2	8-32 UNC	-	N! 44198	N! 44199	15,000	25,100	EDP 44830	20
1	2	8-32 UNC	N! 44202	44200	44201	10,000	19,100	EDP 44830	20
1-1/2	3	8-32 UNC	N! 44210	44208	44209	7,500	12,600	EDP 44830	20
2	2	8-32 UNC	N! 44212	N! 44213	N! 44214	5,500	9,500	EDP 44830	20

Arbors

Arbors for POLINOX® Cross Buffs



Arbor for POLINOX® cross buffs.

Shank Dia. (S) [Inches]	Shank Length (L) [Inches]	Thread	EDP Number	Suitable Tool	Max. RPM	
1/4	3	8-32 UNC	44830	POLINOX® Cross Buffs	25,000	1

N! New since Tool Manual 21
N! New in the PFERD product line 2012

POLINOX® non-woven tools consist of multiple layer, strongly compressed non-woven material, bonded in a special grit resin system.

This bonding system produces non-woven tools with excellent surface finishes, high stock removal and long tool life. Provide medium flexibility when working on soft metals, alloys, high-alloy steels and titanium alloys.

Recommendations for Use

- POLINOX® non-woven tools perform best at the recommended peripheral speed of 3,000 - 6,000 SFPM, where the optimum balance between stock removal, surface finishing quality, workpiece temperature loads and tool wear is achieved.
- We recommend the use of substantially reduced peripheral speeds on poorly heat-conducting materials (titanium, stainless steels).
- Suitable for special long-necked angle grinders

Safety Notes

For safety reasons, it is imperative to remain within the stated RPM at all times.

Available in four different grades and two abrasive types:

soft W	maximum flexibility	Very good for contour grinding.
medium-soft MW	semi-flexible type	Especially suited for contour grinding.
medium-hard MH	medium flexibility	Good stock removal and edgeholding.
hard H	low flexibility	Very good stock removal, edgeholding.

POLINOX® unitized wheels have been designed for variable-speed angle grinders.
They are especially suitable for working fillet welds and slots that are difficult to access or indentations in stainless steel (INOX) components.

Ordering Note
The different fleece thicknesses/hardnesses are colour-coded:
medium-soft (MW) = light blue
medium-hard (MH) = dark blue
hard (H) = red

Recommendation for Use
POLINOX® unitized wheels achieve their best performance on special electronic fillet weld grinders.

PFERD Specification Number
PNER-MW
PNER-MH
PNER-H

POLINOX® Unitized Wheels PNER

	Diameter x Width [Inches]	Bore [Inches]	Abrasive	Grit Size	Grade	Density	Spec.	EDP Number	Recom. Speed RPM	Max. Speed RPM	
N!	6 x 1/8	1	Silicon Carbide	fine	MW	medium-soft	3SF	48360	3,800	5,100	5
N!	6 x 1/8	1	Silicon Carbide	fine	MH	medium-hard	6SF	48361	3,800	5,100	5
N!	6 x 1/8	1	Aluminum Oxide	fine	H	hard	6AM	48362	3,800	5,100	5
N!	6 x 1/4	1	Silicon Carbide	fine	W	soft	2SF	48363	3,800	5,100	5
N!	6 x 1/4	1	Silicon Carbide	fine	MW	medium-soft	3SF	48364	3,800	5,100	5
N!	6 x 1/4	1	Aluminum Oxide	fine	H	hard	6AM	48365	3,800	5,100	5

New in the PFERD Product Line 206

The Thin Wheels from PFERD – Performance Upgrade for all Lines

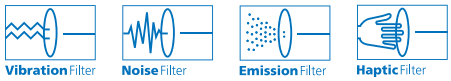
The Performance Experience

PFERD has achieved a **substantial increase in performance** in all thin cut-off wheel product lines:

- **thinner, low-burr and fast cuts,**
- **maximum productivity,**
- **comfortable and safe.**

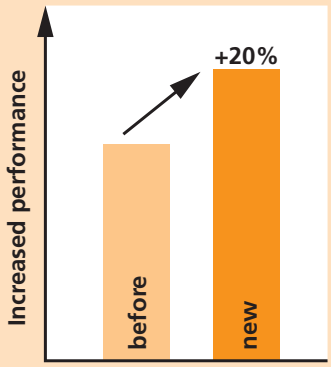
The thin wheels from PFERD are the best cut-off wheels in the world and stand out thanks to their special adhesion formula. Intensive research and development work and directed implementation in state-of-the-art manufacturing facilities guarantee the **high quality and safety standards** of PFERD premium quality.

Along with the high quality standards, health and safety protection and ergonomics play important roles at PFERD.



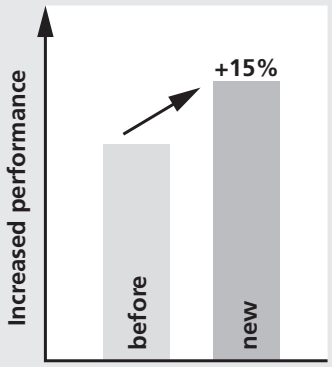
Universal Line PS-FORTE

General use in industry and trades.



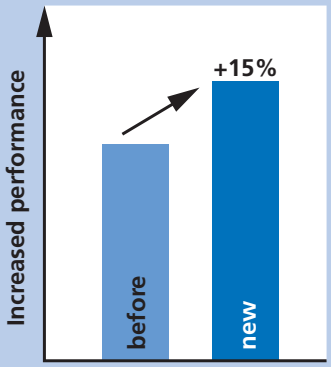
Performance Line SG-ELASTIC

Widest range of tools for professional use in industry and trades.



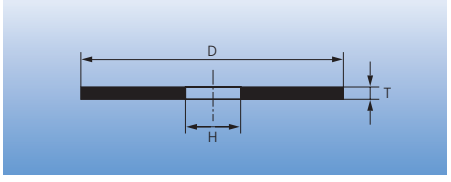
Special Line SG-PLUS

For special industrial applications.

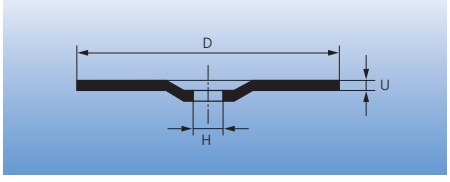


Dimensions

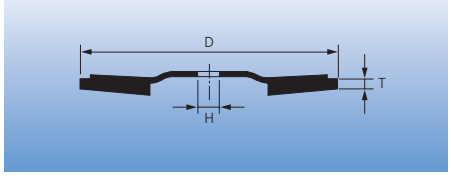
The diameter, thickness and centre hole dimensions are indicated in the drawings and tables by means of the following symbols:



Flat (Type 1)



Depressed Centre (Type 27)



Conical (Type 29)

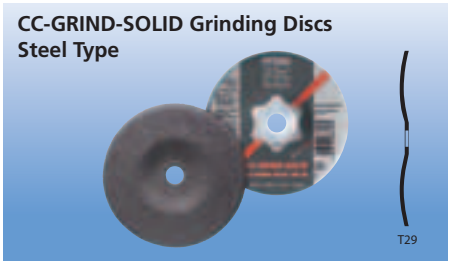
CC-GRIND-SOLID STEEL provides ultimate stock removal performance on steel.

Workpiece Materials
Steel

Recommendation for Use
- For best results, hold angle grinder at a low angle of attack. 5 to 15 degrees recommended.
- More pressure on the wheel will not significantly increase removal, but will increase wheel wear. For maximum productivity, use the minimum grinding pressure necessary.

Ordering Note
When ordering unthreaded discs, please order clamping flange set separately.

Vibration Filter | Noise Filter | Emission Filter | Haptic Filter



	Diameter (D) [Inches]	Unthreaded Arbor Hole				Threaded Arbor Hole			Max. RPM
		Bore [Inches]	EDP Number		Compatible Clamping Flange Set	Thread Size	EDP Number		
N!	4-1/2	7/8	61200	10	EDP 69116 (5/8-11) or EDP 69118 (M14)	5/8-11	61220	10	13,300
N!	5	7/8	61201	10	EDP 69116 (5/8-11) or EDP 69118 (M14)	5/8-11	61221	10	12,200
N!	7	7/8	61203	10	EDP 69117 (5/8-11) or EDP 69119 (M14)	5/8-11	61223	10	8,500

CC-GRIND-SOLID INOX provides very good stock removal on stainless steel (INOX).

Workpiece Materials
Stainless steel (INOX)

Recommendation for Use
- For best results, hold angle grinder at a low angle of attack. 5 to 15 degrees recommended.
- More pressure on the wheel will not significantly increase removal, but will increase wheel wear. For maximum productivity, use the minimum grinding pressure necessary.

Ordering Note
When ordering unthreaded discs, please order clamping flange set separately.

Vibration Filter | Noise Filter | Emission Filter | Haptic Filter

	Diameter (D) [Inches]	Unthreaded Arbor Hole				Threaded Arbor Hole			Max. RPM
		Bore [Inches]	EDP Number		Compatible Clamping Flange Set	Thread Size	EDP Number		
N!	4-1/2	7/8	61215	10	EDP 69116 (5/8-11) or EDP 69118 (M14)	5/8-11	61235	10	13,300
N!	5	7/8	61216	10	EDP 69116 (5/8-11) or EDP 69118 (M14)	5/8-11	61236	10	12,200
N!	7	7/8	61218	10	EDP 69117 (5/8-11) or EDP 69119 (M14)	5/8-11	61238	10	8,500

The CC-GRIND-SOLID clamping flange set is exclusively designed for use with unthreaded CC-GRIND-SOLID grinding discs.

The geometry of the cooling slits ensures high air flow. This perceptibly reduces the thermal load on the grinding agent and the workpiece.

Safety Note
The maximum permitted operating speed is 80 m/s.

	Diameter (D) [Inches]	Thread Size	EDP Number	
N!	4-1/2, 5	5/8-11	69116	1
N!	7	5/8-11	69117	1
N!	4-1/2, 5	M14	69118	1
N!	7	M14	69119	1

For more information about the new and innovative CC-GRIND-SOLID, please contact your PFERD distributor or visit our website at www.pferd.com, and request product brochure number 819182.

New in the PFERD Product Line 206

WHISPER Reinforced Grinding Wheels, Special Line SG-PLUS

The WHISPER reinforced grinding wheel is a high-power tool from PFERD which features excellent stock removal, surface quality and working comfort.

The patented design contributes to the very soft, quiet grinding characteristic and high degree of working comfort with low vibration, dust and noise levels. The design also eliminates edge spalling.

Very high machining capacity from the very start. The increased tool productivity allows substantial savings on labour costs.

Special-purpose tool for grinding on aluminum and non-ferrous metals. Provides unusually aggressive grinding action.
The tool does not load up, even on soft, greasy aluminum.
Contains no fillers that might leave undesirable residues on the aluminum workpiece. The ground surface can be welded right away, without any further treatment.

Abrasive: Special Aluminum Oxide A
Grit size: 46

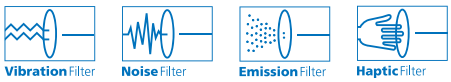
Workpiece Materials
Aluminum, non-ferrous metals

Application
Surface grinding, work on weld seams, fillet weld grinding

Recommendation for Use
Suitable for use on angle grinders of all output categories.

PFERD Specification Number
A 46 H SGP-WHISPER-ALU

Aluminum/Non-Ferrous Metals
Very Soft Type - Hardness Grade H



	Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (H) [Inches]	EDP Number		Thread	EDP Number		
	Depressed Centre (Type 27)								
N!	4-1/2 x 1/4	7.4	7/8	61250	10	5/8-11	61256	10	13,300
N!	5 x 1/4	7.4	7/8	61251	10	5/8-11	61257	10	12,200

N! New since Tool Manual 21
N! New in the PFERD product line 2012

The POLIFAN® SGP-STRONG-FREEZE is a high-performance flap disc 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.

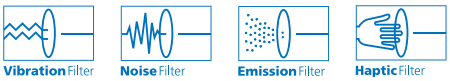
Abrasive: Ceramic Oxide CO
Grit sizes: 36, 50

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

Application
Surface grinding, weld removal

PFERD Specification Number
CO 36 SGP-STRONG-FREEZE

INOX
Type SGP CO-STRONG-FREEZE



	Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
					Bore (H) [Inches]	EDP Number		Thread	EDP Number		
	Conical (PFC - Type 29)										
N!	4-1/2	9/16	14	36	7/8	62946	10	5/8-11	62951	10	13,300
N!	4-1/2	1/2	13	50	7/8	62948	10	5/8-11	62953	10	13,300
N!	5	9/16	14	36	7/8	62956	10	5/8-11	62961	10	12,200
N!	5	1/2	13	50	7/8	62958	10	5/8-11	62963	10	12,200
N!	7	3/4	18	36	7/8	62976	10	5/8-11	62981	10	8,500
N!	7	3/4	18	50	7/8	62978	10	5/8-11	62983	10	8,500

New in the PFERD Product Line 206

POLIFAN® Flap Discs, Special Line SGP

The SGP CURVE-ALU is a powerful solution for demanding grinding work, especially for work on aluminum. The tool does not load up, even on soft, greasy aluminum.
Contains no fillers that might leave undesirable residues on the aluminum workpiece. The ground surface can be welded right away, without any further treatment.

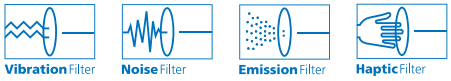
Abrasive: Aluminum Oxide A
Grit size: 40

Workpiece Materials
Aluminum, non ferrous metals

Application
Fillet weld grinding, chamfering, deburring

PFERD Specification Number
A 40 SGP-CURVE L ALU

Aluminum/non ferrous metals
Type SGP CURVE-ALU



	Diameter (D) [Inches]	Thickness Nominal (T) [Inches]	Thickness Metric (T) [mm]	Fillet Weld Width [Inches]	Grit	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
						Bore (H) [Inches]	EDP Number		Thread	EDP Number		
	Radial (Type PFR)											
N!	4-1/2	5/8	16	Large > 5/16	40	7/8	67646	10	5/8-11	67671	10	13,300
N!	5	5/8	16	Large > 5/16	40	7/8	67651	10	5/8-11	67676	10	12,200

N! New since Tool Manual 21
N! New in the PFERD product line 2012

This range of premium cut-off wheels provides fast cutting performance and long service life. Recommended for professionals cutting steel and cast iron.

Abrasive: Aluminum Oxide

Workpiece Materials
Steel, cast iron

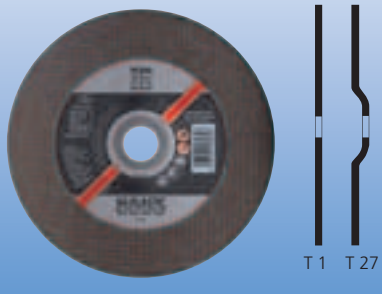
Application
Cutting of sheet metal, sections, and solid material

Recommendation for Use
.040", .045" thickness for fast, convenient cutting with minimized bur formation.
3/32" thickness for universal cut-off applications.
1/8" thickness for maximum tool life with high lateral stability.

Recommended for angle grinders of all power output levels.

PFERD Specification Number
A 24/30/46 S SG

Steel/Cast Iron
Hard Type - Hardness Grade S



Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4 x 3/32	2.4	5/8	63102	25		-		15,300
4 x 1/8	3.2	3/8	63101	25		-		15,200
4-1/2 x .045	1.6	7/8	63162	25	5/8-11	N! 63182	10	13,300
4-1/2 x 3/32	2.4	7/8	63103	25	5/8-11	63114	10	13,300
4-1/2 x 1/8	3.2	7/8	63104	25	5/8-11	63115	10	13,300
5 x .045	1.6	7/8	63163	25	5/8-11	N! 63183	10	12,200
5 x 3/32	2.4	7/8	63105	25	5/8-11	63116	10	12,200
5 x 1/8	3.2	7/8	63106	25	5/8-11	63117	10	12,200
6 x .045	1.6	7/8	63164	25	5/8-11	N! 63184	10	10,200
6 x 1/8	3.0	7/8	63107	25	5/8-11	63119	10	10,200
7 x .045	1.9	7/8	63165	25		-		8,500
7 x 1/8	3.2	7/8	63109	25	5/8-11	63112	10	8,500
9 x 1/8	3.2	7/8	63111	25	5/8-11	63113	10	6,600
Flat (Type 1)								
4 x 3/32	2.4	3/8	63501	25		-		15,200
4 x 3/32	2.4	5/8	63502	25		-		15,200
4-1/2 x 3/32	2.4	7/8	63503	25		-		13,300
5 x 3/32	2.4	7/8	63505	25		-		12,200
6 x 1/8	3.0	7/8	63507	25		-		10,200
7 x 1/8	2.9	7/8	63508	25		-		8,500
7 x 1/8	3.2	7/8	63509	25		-		8,500
9 x 1/8	2.9	7/8	63510	25		-		6,600
9 x 1/8	3.2	7/8	63511	25		-		6,600

New in the PFERD Product Line 206

Cut-Off Wheels, Performance Line SG-ELASTIC

Stainless Steel (INOX)
Hard Type - Hardness Grade R-INOX

T 1 T 27

Premium, long-life cut-off wheel for stainless steel (INOX) and high temperature alloys. Smooth, fast cutting action is achieved with minimal contact pressure.

Abrasive: Aluminum Oxide
INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials
Stainless steel (INOX), high temperature alloys. Also suitable for carbon steel and all ferrous metals.

Application
For cutting sheet metal, sections, and solid material

Recommendation for Use
.040", .045" thickness for fast, convenient cutting with minimized bur formation.
3/32" thickness for universal cut-off applications.
1/8" thickness for maximum tool life with high lateral stability.

Recommended for angle grinders of all power output levels.

The use of large clamping flanges (see Tool Manual 21 section 206, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7" and 9".

PFERD Specification Number
A 24/46 R SG INOX

Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x .045	1.6	7/8	63167	25	5/8-11	N! 63187		13,300
4-1/2 x 3/32	2.4	7/8	63202	25	5/8-11	63212	10	13,300
4-1/2 x 1/8	3.2	7/8	63204	25	5/8-11	63213	10	13,300
5 x .045	1.6	7/8	63168	25	5/8-11	N! 63188		12,200
5 x 3/32	2.4	7/8	63205	25	5/8-11	63214	10	12,200
5 x 1/8	3.2	7/8	63206	25	5/8-11	63215	10	12,200
6 x .045	1.6	7/8	63169	25	5/8-11	N! 63189		10,200
6 x 3/32	2.5	7/8	63208	25	5/8-11	63216	10	10,200
7 x .045	1.6	7/8	63170	25		-		8,500
7 x 3/32	2.5	7/8	63207	25	5/8-11	63210	10	8,500
9 x 3/32	2.5	7/8	63209	25	5/8-11	63211	10	6,600
Flat (Type 1)								
4 x .040	1.0	5/8	69943	25		-		15,200
4 x .045	1.6	5/8	63613	25		-		15,200
4-1/2 x .040	1.0	7/8	69948	25		-		13,300
4-1/2 x .040	1.2	7/8	63576	25		-		13,300
4-1/2 x .045	1.6	7/8	63607	25		-		13,300
4-1/2 x .045	1.8	7/8	63582	25		-		13,300
5 x .040	1.0	7/8	69953	25		-		12,200
5 x .040	1.2	7/8	63577	25		-		12,200
5 x .045	1.6	7/8	63608	25		-		12,200
5 x .045	1.8	7/8	63583	25		-		12,200
6 x .040	1.0	7/8	69963	25		-		10,200
6 x .045	1.6	7/8	63614	25		-		10,200
7 x .045	1.6	7/8	63612	25		-		8,500
7 x 3/32	2.5	7/8	63609	25		-		8,500
8 x 3/32	2.5	7/8	63610	25		-		7,600
9 x 3/32	2.5	7/8	63611	25		-		6,600

N! New since Tool Manual 21
N! New in the PFERD product line 2012

These performance wheels are specifically designed for non-loading cut-off use on aluminum and soft, non-ferrous materials. Characterized by fast cutting performance combined with long service life.

Abrasive: Aluminum Oxide
Contains no fillers which might leave an undesirable surface residue. The workpiece can be welded right away, without any further treatment.

Workpiece Materials
Tough and hard aluminum, non-ferrous metals

Application
Cutting of sheet metal, sections, and solid material

Recommendation for Use
.040", .045" thickness for fast, convenient cutting with minimized bur formation.
3/32" thickness for universal cut-off applications.
1/8" thickness for maximum tool life with high lateral stability.

The use of large clamping flanges (see Tool Manual 21, section 206, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7" and 9".

PFERD Specification Number
A 24/30 N SG ALU

Aluminum/Non-Ferrous Metals
Soft Type - Hardness Grade N-ALU

	Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole Bore (H) [Inches]	Unthreaded Arbor Hole EDP Number	Unthreaded Arbor Hole	Threaded Arbor Hole Thread	Threaded Arbor Hole EDP Number	Threaded Arbor Hole	Max. RPM
	Depressed Centre (Type 27)								
	4-1/2 x 3/32	2.4	7/8	63131	25	5/8-11	63137	10	13,300
	5 x 3/32	2.4	7/8	63133	25	5/8-11	63139	10	12,200
	7 x 1/8	2.9	7/8	63135	25	5/8-11	63141	10	8,500
	9 x 1/8	2.9	7/8	63136	25	5/8-11	63142	10	6,600
	Flat (Type 1)								
N!	4 x .040	1.0	5/8	63588	25	-			15,300
	4-1/2 x .040	1.0	7/8	63589	25	-			13,300
	4-1/2 x .045	1.6	7/8	63595	25	-			13,300
	4-1/2 x 3/32	2.4	7/8	63602	25	-			13,300
	5 x .040	1.0	7/8	63590	25	-			12,200
	5 x .045	1.6	7/8	63596	25	-			12,200
	5 x 3/32	2.4	7/8	63603	25	-			12,200
	7 x .045	1.6	7/8	63598	25	-			8,500
	7 x 1/8	2.9	7/8	63605	25	-			8,500
	9 x 1/8	2.9	7/8	63606	25	-			6,600

New in the PFERD Product Line 206

Cut-Off Wheels, Special Line SG-PLUS

Steel
Very Hard Type - Hardness Grade T

The pinnacle of the PFERD line for cutting steel, these wheels offer unsurpassed cutting speed and outstanding tool life. They maximize productivity of steel cutting applications in industrial production and professional trade environments.

Abrasive: Aluminum Oxide

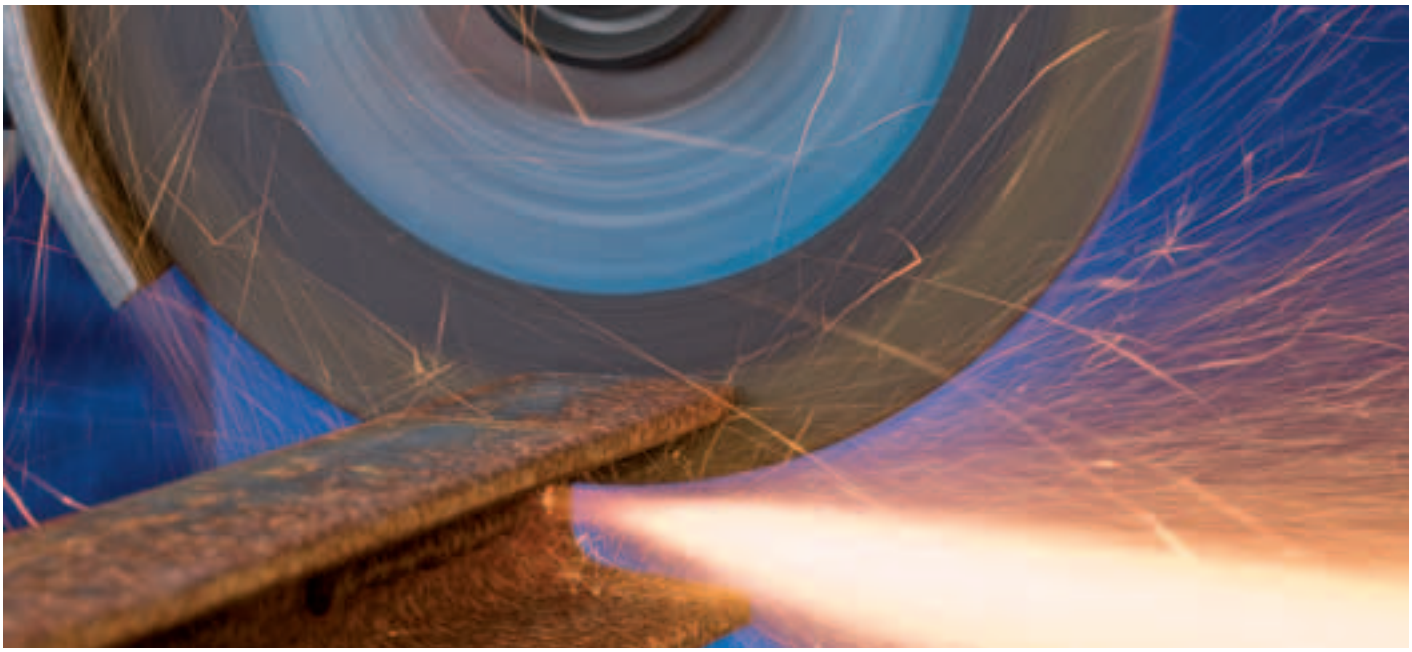
Workpiece Materials
Steel

Application
Cutting of sheet metal, sections, and solid material

Recommendation for Use
.040", .045" thickness for fast, convenient cutting with minimized bur formation.
3/32" thickness for universal cut-off use with maximum tool life and high lateral stability.

PFERD Specification Number
A 24/30 T SGP

	Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
			Bore (H) [Inches]	EDP Number		Thread	EDP Number		
	Depressed Centre (Type 27)								
	4-1/2 x 3/32	2.4	7/8	63118	25	5/8-11	63125	10	13,300
	5 x 3/32	2.4	7/8	63120	25	5/8-11	63127	10	12,200
	7 x 3/32	2.8	7/8	63123	25	5/8-11	63128	10	8,500
	9 x 3/32	2.8	7/8	63124	25	5/8-11	63129	10	6,600
	Flat (Type 1)								
	4-1/2 x .040	1.0	7/8	69946	25	-			13,300
N!	4-1/2 x .045	1.6	7/8	63623	25	-			13,300
	4-1/2 x 3/32	2.4	7/8	63625	25	-			13,300
	5 x .040	1.0	7/8	69951	25	-			12,200
N!	5 x .045	1.6	7/8	63630	25	-			12,200
	5 x 3/32	2.4	7/8	63626	25	-			12,200
N!	6 x .045	1.6	7/8	63634	25	-			10,200
	7 x 3/32	2.8	7/8	63627	25	-			8,500
	9 x 3/32	2.8	7/8	63628	25	-			6,600



N! New since Tool Manual 21
N! New in the PFERD product line 2012

PFERD's top performing cut-off wheels for Stainless Steel provide unparalleled cutting performance and service life. The range features X-SLIM wheels, which are .030" (0.8 mm) – the thinnest wheel achieveable for the fastest cutting performance and the least material waste.

Abrasive: Aluminum Oxide
INOX-rated: Manufactured without addition of ferrous, sulphurous or chlorinated fillers.

Workpiece Materials
Stainless steel (INOX). Also suitable for carbon steel and all ferrous metals.

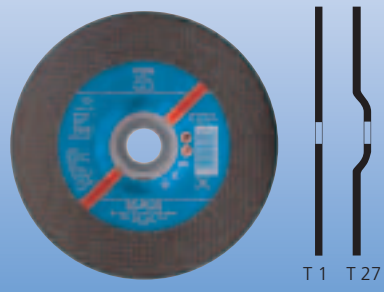
Application
Cutting of sheet metal, sections, and solid material

Recommendation for Use
The .030 X-SLIM produces a convincing cutting performance even on low powered grinders. .040", .045" thickness for fast, convenient cutting with minimized bur formation. 3/32" thickness for universal cut-off applications.

The use of large clamping flanges (see Tool Manual 21 section 206, page 68) increases the wheel stability and ensures precise disc guidance. Highly recommended for use with thin cut-off wheels flat type dia. 7".

PFERD Specification Number
A 46 S SGP INOX

Stainless Steel (INOX)
Hard Type - Hardness Grade S-INOX

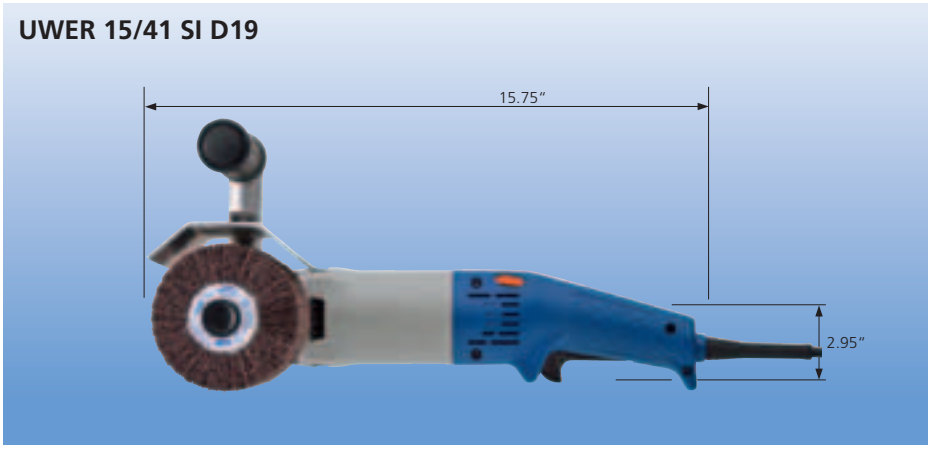


Diameter (D) x Thickness (U) Nominal [Inches]	Thickness Metric (U) [mm]	Unthreaded Arbor Hole			Threaded Arbor Hole			Max. RPM
		Bore (H) [Inches]	EDP Number		Thread	EDP Number		
Depressed Centre (Type 27)								
4-1/2 x .045	1.6	7/8	63172	25	5/8-11	N! 63192	10	13,300
4-1/2 x 3/32	2.2	7/8	63231	25	5/8-11	63237	10	13,300
5 x .045	1.6	7/8	63173	25	5/8-11	N! 63193	10	12,200
5 x 3/32	2.2	7/8	63233	25	5/8-11	63239	10	12,200
6 x .045	1.6	7/8	63174	25	5/8-11	N! 63194	10	10,200
7 x .045	1.6	7/8	63175	25	-			8,500
7 x 3/32	2.8	7/8	63235	25	5/8-11	63241	10	8,500
9 x 3/32	2.8	7/8	63236	25	5/8-11	63242	10	6,600
Flat (Type 1)								
4 x .030	0.8	5/8	69816	25	-			15,200
4 x .040	1.0	5/8	69842	25	-			15,200
4 x .045	1.6	5/8	69844	25	-			15,200
4-1/2 x .030	0.8	7/8	69817	25	-			13,300
4-1/2 x .040	1.0	7/8	69845	25	-			13,300
4-1/2 x .045	1.6	7/8	69846	25	-			13,300
4-1/2 x 3/32	2.2	7/8	63635	25	-			13,300
5 x .030	0.8	7/8	69818	25	-			12,200
5 x .040	1.0	7/8	69855	25	-			12,200
5 x .045	1.6	7/8	69857	25	-			12,200
5 x 3/32	2.2	7/8	63636	25	-			12,200
6 x .040	1.0	7/8	69862	25	-			10,200
6 x .045	1.6	7/8	69865	25	-			10,200
7 x .045	1.6	7/8	69872	25	-			8,500
7 x 3/32	2.3	7/8	63533	25	-			8,500
7 x 3/32	2.8	7/8	63637	25	-			8,500
9 x 3/32	2.8	7/8	63638	25	-			6,600

New in the PFERD Product Line 209

Drum Grinder, Speed: 4,000 RPM / Output: 1.4 HP

UWER 15/41 SI D19



Special Features

- Low speed angle grinder/burnisher with stepless RPM adjustment.
- Digital electronic speed control ensures constant RPM even under load.
- Electronic switch-off on overload, restart protection on power failure.
- Smooth start up for the protection of people, tools and machine.
- Spindle lock for easy tool change.
- Drive spindle with 5/8-11 thread plus alternative spindle extension with two keyways for improved force transmission.
- Double insulated. ⧈

	EDP Number	PFERD Model Number	RPM	Voltage 50 - 60 Hz	Power Consumption [Watts]	Horsepower [HP]	Max. Amps	Max. Tool Dia. [Inches]	Drive Spindle [Inches]
N!	91215	UWER 15/41 SI D19	1,800 - 4,000	120	1,530	1.4	12	4-1/2	5/8-11 and 3/4 x 3.9

Keys

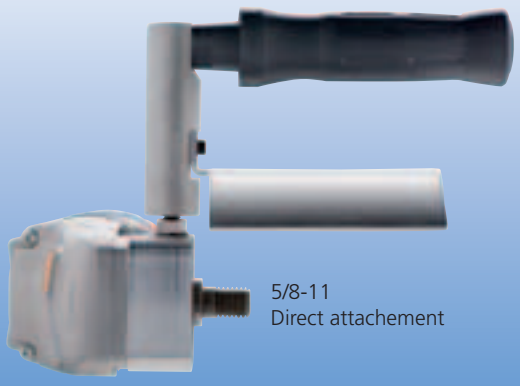
Width Across Flats	Quantity	EDP Number
17 mm	1	93350

Suitable PFERD Tools

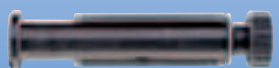
Catalogue 204

Flap Drums
POLINOX® Grinding Drums

Comply with ANSI B 7.1-2000 standards and OSHA regulations.



5/8-11
Direct attachement



3/4 x 3.9
Spindle attachement

N! New since Tool Manual 21
N! New in the PFERD product line 2012

Flexible Shaft PST-T for inner Grinding and Cleaning of Pipes
These special flexible shafts do not have a handpiece for tool attachment and are particularly flexible at the front.

The POLISTAR-TUBE grinding stars are screwed directly onto the core of the flexible shaft (INOX mounting). The POLINOX® cross buffs are mounted with a screw-adapter for use.

This combination is excellent for step-by-step finish grinding and cleaning of the insides of pipes and pipe bends. Both ends of the pipe can be deburred from the same side.

Flexible shaft motors with stepless speed regulation are recommended as drives.

Recommendations for Use
Before POLISTAR-TUBE is inserted into the pipe with the shaft, the tool should be pre-formed and adapted to the pipe diameter.
We recommend reducing the speed of the POLISTAR-TUBE during insertion.
Pipes with more than three pipe bends should be ground from both ends of the pipe if possible.
When the tool flaps or the cross buff emerges from the pipe end, they can be pulled back while still in rotation. The rear of the POLISTAR-TUBE deburrs the pipe end and also grinds the inside of the pipe during the backward movement.

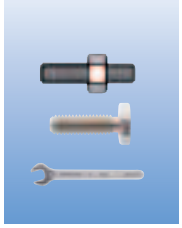
All flexible shaft drives with a speed range of 1,500 - 7,650 RPM and flexible shaft connection DIN 10 can be used.

Flexible Shaft 4 PST-T DIN10/M4 (1.5 m)
- Only for use with POLISTAR-TUBE PST-T diameters from 2" to 3-1/8", and POLINOX® cross buff diameters from 3/4" to 2" with 8-32 UNC thread using the AD M4 adapter EDP 95810.
- Please observe the recommended and max. permissible tool speeds when setting the motor speed.
- Maintenance set 4 ZG for flexible shaft maintenance, EDP 96104.

Flexible Shaft 7 PST-T DIN10/M5 (2,0 m)
- Only for use with POLISTAR-TUBE PST-T diameters from 3-1/2" to 4", and POLINOX® cross buff diameters from 3/4" to 2" with 8-32 UNC thread using the AD M5 adapter EDP 95811.
- Please observe the recommended and max. permissible tool speeds when setting the motor speed.
- Maintenance set 7 ZG for flexible shaft maintenance, EDP 96107.

Order No.	EDP Number	Technical Data: Dimensions Dia. x Length Inches [mm]	Motorside Coupling Dia. Inches [mm]	Tool Coupling Dia. Inches [mm]	Special Features
DIN 10					■ Special lengths available on request.
					
Flexible shaft					
N! **BW 4 PST-T DIN10/M4**	**94264**	0.51 x 61.02 [13 x 1.550]	1.18 [30]	M4	■ RPM range: n = 1,500 - 7,650 RPM.
N! **BW 7 PST-T DIN10/M5**	**94274**	0.71 x 80.79 [18 x 2.052]	1.18 [30]	M5	■ RPM range: n = 1,500 - 4,250 RPM.
Core					
N! **SE 4 PST-T DIN10/M4**	**94978**	0.16 x 60.63 [4 x 1.540]	M10	M4	■ Replacement core, ready for installation.
N! **SE 7 PST-T DIN10/M5**	**94988**	0.28 x 80.39 [7 x 2.042]	M10	M5	■ Replacement core, ready for installation.
Hose					
N! **SCH 4 PST-T DIN10/M4**	**94775**	0.51 x 60.51 [13 x 1.537]	1.18 [30]	0.31 [8]	■ Replacement casing, ready for installation.
N! **SCH 7 PST-T DIN10/M5**	**94786**	0.71 x 80 18 x 2.032	1.18 [30]	0.51 [13.5]	■ Replacement casing, ready for installation.

Accessories for Flexible shaft 4 PST-T



Description	Tool Mounting	EDP Number
Cross Buffs Adapter for M4 Shaft	8-32 UNC	95810
POLISTAR-TUBE M4 Mounting Screw	4 mm	97557
Key	SW7	93327

Accessories for Flexible shaft 7 PST-T

Description	Tool Mounting	EDP Number
Cross Buffs Adapter for M5 Shaft	8-32 UNC	95811
POLISTAR-TUBE M5 Mounting Screw	5 mm	97558
Key	SW8	93328

New in the PFERD Product Line 209

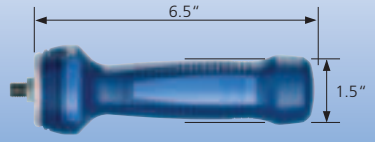
Anti-Vibration Handle for Angle Grinders

PFERD introduces the vibration-damping SENSOHANDLE for use on all standard angle grinders.

Contents
1 SENSOHANDLE,
3 adapters (M8, M10 and M14 metric handle attachment threads)

Advantages
- Significant reduction of the vibration load because the handle surface is isolated from the source of the vibration.
- Special rubber compound in the handle absorbs and reduces vibration energy.
- Safe and comfortable to work with due to ergonomic handle design.
- Textured surface ensures a secure grip.

SENSOHANDLE
Anti-Vibration Handle



Vibration Filter Haptic Filter

	EDP Number	Included Thread Adapters for Angle Grinder	Suitable for	
N!	95506	M8	PFERD Drives UWER 15/100 SI, WT 7 E M14 G22	1
			Tool Drives with Metric Thread M8	
		M10	Tool Drives with Metric Thread M10	
		M14	Tool Drives with Metric Thread M14	

N! New since Tool Manual 21
N! New in the PFERD product line 2012

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819 185
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PFERD quality certified according to EN ISO 9001.