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The PFERD ADVANCE BRUSH offering is separated into the two categories **Power Brushes** (wire and non-wire brushes) and **Maintenance Brushes**.

Power Brushes

- **Power wire brushes** are designed to be used on power tools and are available in a large variety of brush styles and wire configurations. This group of brushes consists of carbon steel, stainless steel (INOX) and brass filled wire in crimped, knotted and ECAP® configurations.
- **Power Non-Wire brushes** encompasses a broad range of M-BRAD™ abrasive filament brushes, as well as Tampico and nylon wheel brushes.

1 Select Filament Material

First, the optimum filament material for the brush application is chosen to suit the material to be brushed. The filament materials are colour-coded for easier recognition:

Steel Wire	– grey
Stainless Steel Wire (INOX)	– blue
Brass Wire	– yellow
M-BRAD™ Abrasive Filament	– red
Nylon/Natural Bristle	– brown

2 Select Filament Style

Depending on the desired brushing effect, you can choose between wire filament (crimped or knot wire), and M-BRAD™ abrasive filament.

3 Select Brush

The best recommended brush can be found below your application.

An additional tool navigation chart pertaining specifically to the PFERD ADVANCE BRUSH maintenance line can be found on page 68.

Maintenance Brushes

are non-power brushes offered in a variety of wire, natural, and synthetic filaments.

In order to help you find the optimal POWER BRUSH / MAINTENANCE BRUSH quickly, we have compiled a chart on pages 6-7 / 68, including the most important applications and the best power brushes for your task.

Power Tools	Industries	Applications	Page
Power Brushes			
Power Wire Brushes			
	Automotive Transportation Mining Electronics Aerospace Welding Nuclear Textiles Food Services	Construction Petrochemical Farming Medical Shipbuilding Fabricating Defense Foundries Plastics	Deburring Cleaning Surface Texturing Surface Structuring Blending
Power Non-Wire Brushes			
	Automotive Transportation Electronics Aerospace Nuclear Textiles Food Services Woodworking/ Furniture	Construction Medical Shipbuilding Fabricating Defense Energy Plastics	Deburring Cleaning Honing Blending Polishing
Maintenance Brushes			
	Sanitation Construction Plumbing Maintenance/Repair Operations Painting	Automotive HVAC Welding Carpentry Equestrian	Cleaning Washing Sweeping Painting and Surface Coating



Your Quick Product Selection Guide
Power Brushes 6-7



Your Quick Product Selection Guide
Maintenance Brushes 68

Power and Maintenance Brushes

ADVANCE BRUSH by PFERD



PFERD ADVANCE BRUSH, Milwaukee, Wisconsin, USA; Manufacturing Plant



PFERD INC., Leominster, Massachusetts, USA; Corporate Headquarters



PFERD CANADA INC., Mississauga, Ontario



ADVANCE BRUSH has been a member of the PFERD group of companies since 1997. PFERD offers a full and comprehensive range of high-grade products for cutting and machining materials to any desired condition, from coarse to mirror-polish. PFERD ADVANCE BRUSH power brushes are used where exacting demands are placed on efficiency and outcome of cutting and surface conditioning operations.

Special Products Made to Order

If your application requires power brushes with metric threads PFERD ADVANCE BRUSH will be happy to consider your request.

If our extensive stock range does not present the ideal solution for your particular application, we can produce brushes specifically to meet your requirements.

We will take into account your application and requirements, as well as technical drawings. Please contact us as listed above.



Private Label Programs

PFERD ADVANCE BRUSH has been a supplier of private label brushes for many years. If you are interested in getting details about our extensive offering, please contact Customer Service. Our Private Label Sales Manager will contact you to review your requirements and prepare a comprehensive proposal for you.

PFERD ADVANCE BRUSH PSF Range

For single-shift use or for those requiring economy brushes, PFERD ADVANCE BRUSH offers our PSF range of products.

For details, refer to PFERD ADVANCE BRUSH publication, "PSF Brushes", EDP 819140.

This publication may be ordered from Customer Service. Additionally, PFERD ADVANCE BRUSH sales representatives can review our program and provide you with samples for evaluation.

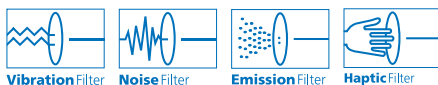


PFERDERGONOMICS

Power and maintenance brushes from PFERD ADVANCE BRUSH help to reduce the hazardous vibrations and noise during the work process.

To be able to fulfill these increased requirements, PFERDERGONOMICS supplies solutions for

- Lower vibration
- Reduced noise
- Less dust exposure
- Optimized haptics at work.



We will be happy to send you more information about the topic of health and safety on request.

Technical Customer Support

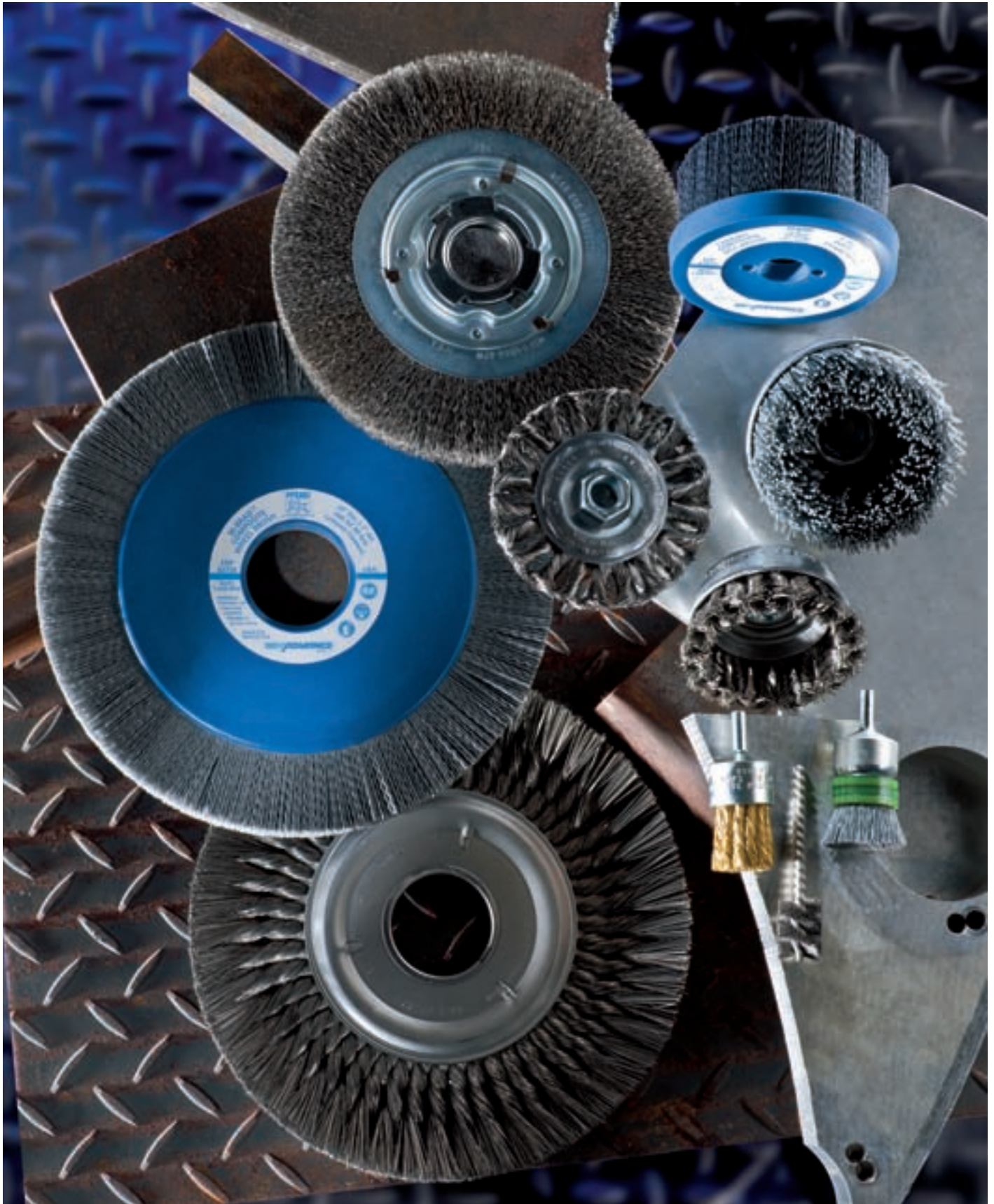
Our sales consultants, customer service and technical support agents will be glad to assist you by phone or on-site to optimize your brushing applications. Please contact us:

Canada: (866) 245-1555

USA: (800) 342-9015

You will find our worldwide contact information at www.pferd.com.

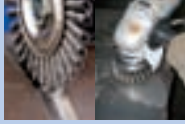


































Power Brushes

Your Quick Product Selection Guide



① Selection of Filament Material From the workpiece material to the filament material		② Selection of Filament Type From the filament material to the filament style.	③ Selection of Tools				
Workpiece Material	Filament Material	Filament Style	Weld Preparation			Honing	
			Scale Removal	Cleaning Oxidation / Discolouration			
▼	▼	▼					
			Page	Page	Page	Page	Page
Construction steel carbon steel alloy steel non-alloy steel titanium concrete	Carbon steel wire Colour code: grey	Crimped wire			 14	 15-17, 19, 24	
		Knot wire/COMBITWIST®	 27-29		 23	 26	
			 33-35		 33-35	 36	
ECAP® encapsulated		 17	 30				
			 32	 43			
Stainless steel (INOX) aluminum brass wood plastics copper non-ferrous metals	Stainless steel wire (INOX) Colour code: blue	Crimped wire			 14	 15-17, 19, 24	
		Knot wire/COMBITWIST®	 27-29		 26	 33-35, 36	
			 33-35		 39-40	 40	
ECAP® encapsulated							
Brass/bronze non-ferrous metals	Brass/bronze wire Colour code: yellow	Crimped wire			 14	 15-17	
		Knot wire			 25	 33	
					 39		
Steel stainless steel (INOX) nickel alloys aluminum and non-ferrous metals	M-BRAD™ abrasive filament silicon carbide, ceramic oxide or aluminum oxide Colour code: red	Round or rectangular filament				 55	
						 56	
						 59-60	

③ Selection of Tools

Deburring				Cleaning				Surface Texturing			
Internal		Edge / Surface		Internal		Edge / Surface		Surface Texturing		Surface Texturing	
Image	Page	Image	Page	Image	Page	Image	Page	Image	Page	Image	Page
	37-38		46		37-38		14-17, 19		15-17		32
	49-52		44		49-52		41				
	47		48, 91-93		47		37-38				
	39		40		39		25-26		20-21, 26		33-35
			20-22				36				
			33-35				39-40				
			36				40				
	38		30		38		30				
			30				30				
			32				32				
			43				43				
	37		15-17		37		14-17, 24		15-17		32
			24				32				
	49-51		41		49-51		36				
			32, 36				37-38				
	46		37-38		46		41				
			42-43				43				
	46		37-38		46		37-38				
			42-43				41				
	46		37-38		46		37-38				
			42-43				41				
	39		20-21		39		25-26		20-21, 26		33-35
			33-35				33-35				
			36				36				
			40				39-40				
	39		20-21		39		25-26		20-21, 26		33-35
			33-35				33-35				
			36				36				
			40				39-40				
	38		32		38		32				
			43				43				
			43				43				
	44		41		44		15-17, 24		15-17		
			15-17				41				
			15-17				41				
			27				25		25		33
			33				33				
			33				33				
	61		55		61		55		55		56
			56				56				
	63		57-58		63		57-58		57-58		59
			59				59				
			59				59				
			60				60		60		60
			60				60				
			60				60				

Benefits

- Robust packaging suited to the product.
- EDP number on the packaging label.
- Guidelines for safe use in each brush package.

Benefits

- Clear plastic clamshell.
- Easy identification of brush.
- Individually labelled clamshell packaging
- Brush fully enclosed – Keeps brush protected from contaminants. Handle without risk of wire cuts.
- Reusable storage container.
- Encourages safety on the job with easy reference.
- Includes safety inserts in English, French and Spanish.
- No need to purchase more than you want.
- Useful hanging hole for optimum product presentation on your sales wall.

Industrial Packaging (Standard)

All brushes ship in a sturdy blue PFERD ADVANCE BRUSH standard box. The label includes all technical information as well as the EDP number and barcode.



Point-of-Purchase Packaging (POP Range)

A selection of the most widely used **industrial power brushes** is available in singular sales promoting self-service packs. These products can be neatly displayed in our PFERD TOOL-CENTER for maximum impact and appeal at the point of sale.

The brush and its characteristics are easy to see through the clear plastic clamshell.

A multi-language safety sheet is enclosed with every brush and provides valuable advice on the use of ADVANCE BRUSH power brushes.

Brushes available in POP packaging are marked with a **"P"** in this catalogue. To order brushes in POP versions, please add a **"P"** to the end of the EDP number. The minimum order quantity of POP items is printed in **"blue"** accordingly.



Sales Displays

PFERD ADVANCE BRUSH provides sales promoting display boxes for countertops. They can also be effectively positioned in very small spaces.

PFERD TOOL-CENTER

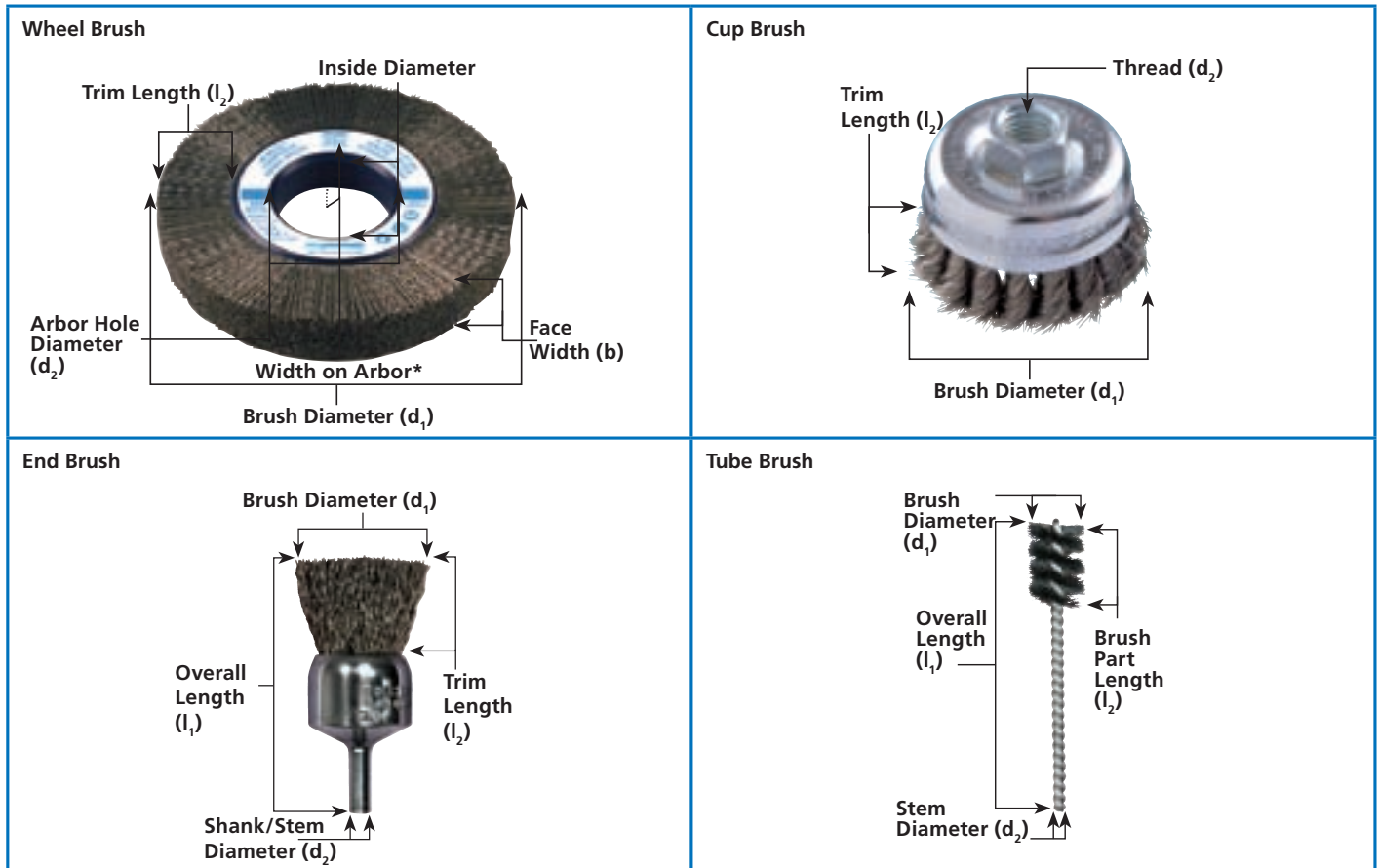
All individually-packed brushes can be presented effectively using a PFERD TOOL-CENTER. The information and symbol card system can be used to communicate all important information on PFERD ADVANCE BRUSH products at the point-of-sale.

PFERD ADVANCE BRUSH also offers a counter display as an attractive sales promotion.

Are you planning to present PFERD ADVANCE BRUSH products in a unique way or to a particular target group? If you are planning a sales promotion featuring PFERD ADVANCE BRUSH items our sales advisers will be happy to help with recommendations.



These diagrams demonstrate the method for measuring power brushes and can be used as a reference for selecting the right tool.



***Wheel Brush Note:** "Width on Arbor" is not the width at the arbor hole. It is a measurement at the widest point of the faceplates. This is used to calculate the number of brushes that can be gang-mounted on a given length of arbor or shaft.

Conversion Table [Inches – mm – Gauge]

Brush Diameter		Arbor Hole Diameter		Face Width		Wire Diameter		
d_1 [inches]	d_1 [mm]	d_2 [inches]	d_2 [mm]	b [inches]	b [mm]	d_6 [inches]	d_6 [mm]	wire gauge
2-3/4	70	1/4	6.4	1/8	3.2	.004	0.10	50
3	76	3/8	9.5	1/4	6.4	.006	0.15	43
3-1/2	89	1/2	12.7	3/8	9.5	.008	0.20	38
4	102	5/8	15.9	1/2	12.7	.010	0.25	34
5	127	3/4	19.0	5/8	15.9	.012	0.30	33
6	152	7/8	22.2	3/4	19.0	.014	0.35	30
7	178	1	25.4	7/8	22.2	.016	0.40	28
8	203	1-1/8	28.6	1	25.4	.018	0.45	26
10	254	1-1/4	31.8	1-1/8	28.6	.020	0.50	25
12	305	1-1/2	38.1	1-1/4	31.8	.023	0.60	24
14	356	1-3/4	44.5	1-1/2	38.1	.026	0.65	23
15	381	2	50.8	2	50.8	.032	0.80	21
16	406	3	76.2	3	76.2	.035	0.90	20
						.040	1.01	19

Wire Filaments and M-BRAD™ Abrasive Grain Types		
Tempered Steel		Provides excellent abrasion and wear resistance, along with high flexing action. High strength filament able to remove heavy buildups. Good bend recovery. Available in crimped and knotted configurations.
Stainless Steel		Corrosion resistant, non-rusting material works well with chemicals and solvents. Features excellent bend recovery with a high level of abrasion and wear resistance. Stainless steel brushes in this catalogue are produced with 302 stainless steel wire (INOX). 316 stainless steel wire (INOX) available upon request.
Brass/Bronze		Non-corrosive, flexible filaments that provide a high degree of abrasion, but are softer than stainless steel or carbon steel to clean surfaces without damaging them. Great for applications where the workpiece cannot sustain heavy scratches.
M-BRAD™		M-BRAD™ is a 6.12 nylon monofilament that evenly encapsulates abrasive grit particles. M-BRAD™ won't degrade the dimensions of the workpiece, which reduces scrap.
Silicon Carbide (SiC)		Has a jagged crystal structure and is easily friable. It is the most common grain used on light to heavy deburring applications on ferrous and non ferrous alloys.
Aluminum Oxide (AO)		More rounded crystal structure. It is more commonly used for wood applications. Due to the flexible nylon filament carrier in most cases it is not as aggressive as silicon carbide brushes.
Ceramic Oxide (CO)		Ceramic oxide is a more aggressive grain than silicon carbide. It is ideal for heavy deburring as well as for surface finishing applications where reduced cycle time is critical. During controlled testing, ceramic grain filled brushes outperformed silicon carbide filled brushes by 200-300%. It is highly effective on ferrous workpieces.

Wire Construction – Power Wire Brushes		
Crimped Wire		Tough, cost-effective wire with high-tensile strength recommended for high speeds and long service life. Crimped wire brushes are available in carbon steel, stainless steel, and brass wire filament. Crimped steel wire is best for light surface work and for removing rust.
Standard Twist	Standard Flag Long Flag	The standard twist knot brush is more aggressive than crimped wire wheel brushes, and leaves a good surface finish. Available in two variations: <ul style="list-style-type: none"> ■ Standard flag, with wire loosely twisted for approximately 75% of the total trim length. ■ Long flag, which features wire loosely twisted for approximately 50% of the trim length for better surface area coverage. – Also available in COMBITWIST®.
Full Cable Twist		Full cable twist knotted wire is efficient for weld spatter removal, blending tool marks, cleaning and deburring, and removal of encrustations. Used in pipe joining for cleaning scale and spatter following welding. Low flex, high impact cleaning. – Also available in COMBITWIST®
Stringer Bead		Stringer bead style is intended for tough applications, featuring low flex, high impact cleaning. It is most commonly used in the pipeline industry for removing the bead scale that occurs after the joining of two sections of pipe. Knot diameter for stringer bead brushes is between 3/16" and 5/16". – Also available in COMBITWIST®
COMBITWIST®		COMBITWIST® is a variation on existing knot styles in which the knots are alternately twisted to offer superior balance during rotation. This construction style offers a more aggressive and effective brushing solution for cleaning and deburring applications.
ECAP® Encapsulated	E3 E4 E5	Wire is bonded in a synthetic elastomer material which firmly supports the wire filaments, providing precisely controlled brush face, longer brush life and very aggressive removal rates. Limited flexibility. ECAP® brushes are available in three hardness grades: <ul style="list-style-type: none"> ■ E3 is aggressive enough for most applications. Best grade for general use. Green colour. ■ E4 is good for higher pressure applications. Black colour. ■ E5 is for super-aggressive, tough cleaning, for most severe applications. Blue colour.

M-BRAD™ Filament Geometries – Power Non-Wire Brushes		
Round Filament		Round filaments create point contact on the workpiece. They are the most popular filaments for general deburring and surface finishing applications.
Rectangular Filament		Rectangular filaments create line contact with the work piece. Due to the larger cross section, these filaments are used in deburring applications where larger burrs need attention.

Due to its particularly good forming and welding qualities, its resistance against corrosion and its attractive appearance, stainless steel (INOX) is becoming increasingly popular for various products. These properties also place special requirements and demands on the brush used.

ADVANCE BRUSH Wire Qualities

In order to fulfill the particular requirements for brushing stainless steel (INOX), PFERD ADVANCE BRUSH produces all stainless steel (INOX) brushes using 302 stainless steel wire. Practical experience gained from industrial use confirms that this wire quality achieves excellent corrosion resistance with optimum tool life.

Magnetism of Stainless Steel (INOX)

The wire found in stainless steel (INOX) brushes tends to become magnetic after cold working. The reason for this is a change in the microstructure caused through deformation (e.g. in wire drawing process). This change in microstructure and the resulting magnetic qualities have no influence on the quality and corrosion resistance of the stainless steel (INOX) wire. It retains its corrosion resistant properties.



Note

To avoid possible contamination problems, it makes sense to run preliminary tests to check the corrosion resistance of the workpiece.

Finishing

General cleaning of the workpieces after brushing is recommended to prevent loose particles sticking to the workpiece.

For workpieces that are used in a heavily corrosive environment, processing with grinding tools or etching or passivation is recommended. This also applies when not only stainless steels but also non-alloyed steels are processed and it cannot be completely ruled out that particles will land on the stainless steel. For detailed information and ordering data on grinding and polishing tools please refer to catalogue 204.

All PFERD ADVANCE BRUSH products with stainless steel wire (INOX) are colour-coded blue in this catalogue. All of these brushes are recommended for use on all stainless steels (INOX), such as 316.

Stainless Steel (INOX) Processing Expertise

The PFERD TOOL MANUAL provides a comprehensive range of solutions which meet the demands for work on stainless steel. We are happy to help find solutions to your application problems. The PRAXIS "PFERD Tools for the Use



on Stainless Steel" contains many valuable recommendations.

Our experienced sales advisors are happy to answer your questions. Please contact us.



Avoiding Corrosion when Brushing Stainless Steel (INOX) Components

Cause of Corrosion	Solution
Microstructure changes through heat build-up.	Avoid heat build-up through: <ul style="list-style-type: none"> ■ Use of a lower brush speed. ■ Reduction in brushing pressure. ■ Oscillation brushing.
Apart from the filament material all other wire brush parts are generally made of steel. Corrosion can occur through contact between these parts with the workpiece.	<ul style="list-style-type: none"> ■ Avoid contact between the faceplates and workpiece. ■ Use end brushes with plastic coatings.
Using the same tool for work on steel and stainless steel workpieces (INOX).	<ul style="list-style-type: none"> ■ Do not use brushes which have already been used on steel, copper or other metals. ■ Do not process steel near stainless steel (INOX).
Wire particle residues embedded in surface imperfections (crevice corrosion).	<ul style="list-style-type: none"> ■ Avoid high brushing pressure. ■ Select a low speed.

Power brushes are designed, tested, manufactured, and inspected to assure quality with a particular concern for safety considerations. To promote safety, users must be aware of potential hazards and their responsibilities for safe and proper operation of power brushes.

Warnings, safety requirements, and product limitations and application suggestions are printed in this catalogue and in other literature, marked on brushes (when feasible), and/or supplied on or in the product container. These warnings and requirements must be observed by all power brush operators. Failure to do so may endanger the brush operator and others in the area of the brushing operation.

Personal Protection

In normal power brushing operations, the material being removed, such as burrs, scale, dirt, weld slag, or other residue, will fly off the brush with considerable force along with the brush filaments, which break off due to fatigue.

The potential of serious injury exists for both the brush operator and others in the work area (possibly 50 feet or more from the brush). To protect against this hazard, operators and others in the area must wear SAFETY GOGGLES WITH SIDE SHIELDS or FULL FACE SHIELDS OVER SAFETY GLASSES WITH SIDE SHIELDS, along with PROTECTIVE CLOTHING such as GLOVES, MASKS, and PROPER FOOTWEAR.

Read All Safety Information and Follow All Instructions on Packaging

You must follow all operator and safety instructions, as well as common safety practices which will reduce the likelihood or severity of physical injury.

Many brush manufacturers mark some safety warnings, recommendations, and usage restrictions directly on the product. It is not always practical to include even the most limited safety information on the brush itself. Therefore, the operator MUST READ and FOLLOW all instructions supplied in or on the product container as well as those marked on the product itself. The operator should also refer to the safety and operating information printed in the brush manufacturer's catalogue and other literature.

Availability of ANSI Standards

In this catalogue, reference is made to these ANSI Standards: ANSI B-165.1, ANSI Z87.1. Copies of these standards are available at public libraries and from the American Brush Manufacturers' Association, 2111 Plum Street, Ste. 274, Aurora, IL 60506, Tel:(630) 631-5217, Fax: (866) 837-8450; or American National Standards Institute, Inc. (ANSI), 1900 Arch Street, Philadelphia, PA 19103 (B165.1 only).

Safety Requirements Summary

1. Protective Goggles: Safety goggles or full face shields worn over safety glasses with side shields MUST BE WORN BY ALL OPERATORS AND OTHERS IN THE AREA OF POWER BRUSH OPERATIONS. Comply with the requirements of ANSI Z87.1 "Occupational Eye and Face Protection".

2. Guards: Keep all machine guards in place.

3. Speeds: Observe all speed restrictions indicated on the brushes, containers, labels, or printed in pertinent literature. "MSFS" means Maximum Safe Free Speed (RPM) – spinning free with no work applied. For reasons of safety, the "MSFS" should not be exceeded under any circumstances.

4. Safety Standards: Comply with the Safety Standards of the American Brush Manufacturers' Association and the American National Standards Institute Standard ANSI B165.1, "Safety Requirements – Power Brushes".

5. Protective Equipment: Appropriate protective clothing and equipment must be used where a possibility of injury exists that can be prevented by such clothing or equipment.

6. Dust Warning: Use of the tools 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 tool operation. Refer to our Material Safety Data Sheet (MSDS) 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 work piece 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.

Safety Recommendations



= Wear protective goggles!



= Wear protective gloves!



= Wear dust respirator!



= Observe safety recommendations!



Read the Material Safety Data Sheets (MSDS) before using any materials!

Warning!

Failure to observe safety precautions may result in injury.



ANSI Standard B 165.1 Arbor Holes

ANSI Standard B165.1-2000 dictates maximum face widths and minimum arbor hole sizes allowable. All brushes listed in this catalogue conform to all ANSI standards.

If you require a brush that does not conform to these standards, please contact your distributor for assistance.

Note:

The maximum face width listed in this table refers to shafts that are supported by one end only, such as angle and bench grinders. It does not apply to shafts that are supported by bearings at both ends.

Wheel Diameter	Minimum Arbor Hole	Maximum Face Width
2	1/4	1/4
3	1/4	1
4	3/8	1
6	1/2	1-1/4
7	5/8	1-1/4
8	5/8	1-1/4
10	3/4	2
12	1	3
14	1-1/4	3
15	1-1/4	3
16	2	3

Prevent Problems Due to Mechanical Failure

Do not allow unsafe conditions to continue. Occasionally, due to worn bearings, a bent spindle, an unusual application, operator abuse or inappropriate use, a brush may fail. A brush which is not received in acceptable condition for trouble-free operation may also fail. Do not use or continue to use a failed brush or one which is functioning improperly (i.e., throwing filaments, out-of-balance, etc.), as this increases the possibility for further brush failure and hazard of injury. The cause of the failure should be evaluated and corrected immediately.



Determining the Recommended Speed

- 1 Select brush type.
- 2 Read recommended surface speed.
- 3 Determine the speed using the brush diameter and surface speed.

1	2
End brushes	2,500 - 4,000 SFPM
Cup brushes	8,000 - 10,000 SFPM
Wheel brushes / Bevel cup brushes	see adjacent chart

The colour bars correspond to the colour code of the filament materials (see page 3).

2 Recommended Surface Speeds for Brushing Applications												
Surface Feet Per Minute [SFPM]												
Application	1,250	2,000	2,750	3,500	4,250	5,000	5,750	6,500	7,250	8,000	8,750	9,500
Burr Removal/ Edge Blending												
Scale Removal												
Surface Polishing												
Weld Cleaning												

Problems and Solutions

Problem	Solution
Inadequate brushing action	<ul style="list-style-type: none"> ■ Increase RPM or use larger brush diameter at same RPM. ■ Use a brush with shorter trim. ■ Select a brush with thicker filaments.
Excessively strong brushing action	<ul style="list-style-type: none"> ■ Reduce RPM or use a smaller brush diameter at same RPM. ■ Reduce contact pressure. ■ Use a brush with longer trim. ■ Select a brush with thinner filaments.
Surface is too rough and irregular	<ul style="list-style-type: none"> ■ Use a wider brush or a longer trim length ■ Select a brush with thinner filaments. ■ Increase RPM.
Excessively fine finish/ surface appears too polished	<ul style="list-style-type: none"> ■ Select a brush with thicker filaments. ■ Use a brush with shorter trim. ■ Reduce RPM.
Secondary burr formation	<ul style="list-style-type: none"> ■ Change brush-to-workpiece operating angle. ■ Use a brush with shorter trim. ■ Select a brush with thicker filaments.

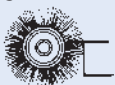
3 Surface Speeds in Surface Feet per Minute [SFPM]											
RPM	Brush Diameter [Inches]										
	2	3	4	5	6	8	10	12	14	15	
800	400	600	800	1,000	1,250	1,650	2,050	2,500	2,900	3,100	
1,150	600	900	1,200	1,500	1,800	2,400	3,000	3,600	4,200	4,500	
1,200	600	900	1,250	1,550	1,850	2,500	3,100	3,750	4,350	4,700	
1,750	900	1,350	1,800	2,250	2,700	3,650	4,550	5,450	6,400	6,850	
2,000	1,000	1,550	2,050	2,600	3,100	4,150	5,200	6,250	7,300	7,850	
2,400	1,250	1,850	2,500	3,100	3,750	5,000	6,250	7,500	8,750	9,400	
3,000	1,550	2,350	3,100	3,900	4,700	6,250	7,850	9,400	10,950	11,750	
3,450	1,800	2,700	3,600	4,500	5,400	7,200	9,000	10,800	12,600	13,500	
3,750	1,950	2,900	3,900	4,900	5,850	7,850	9,800	11,750			
4,000	2,050	3,100	4,150	5,200	6,250	8,350	10,450	12,550			
4,500	2,350	3,500	4,700	5,850	7,050	9,400	11,750	14,100			
5,000	2,600	3,900	5,200	6,500	7,850	10,450	13,050				
5,400	2,800	4,200	5,650	7,050	8,450	11,300					
6,000	3,100	4,700	6,250	7,850	9,400						
8,500	4,400	6,650	8,850	11,100							
9,000	4,700	7,050	9,400	11,750							
10,000	5,200	7,850	10,450	13,050							
12,000	6,250	9,400	12,550	15,700							
15,000	7,850	11,750	15,700	19,600							
18,000	9,400	14,100	18,800								
20,000	10,450	15,700	16,400								

Example:
Crimped Wire Wheel, 6" Diameter
Burr Removal
Surface Speed: 5,400 SFPM
Rotational Speed: 3,450 RPM

$$SFPM = \frac{\pi \times \text{Diameter [Inches]} \times RPM}{12}$$

Maximum Performance Recommendations

Pressure: Work is accomplished on wire brushes when the tips of the filament come into contact with the workpiece. The tips are the only sharp point on the filament. Avoid excessive pressure when using a power brush. Excessive pressure causes overbending of the filaments and heat build-up resulting in filament breakage, rapid dulling, and reduced brush life.



CORRECT

Wire tips are doing the work



INCORRECT

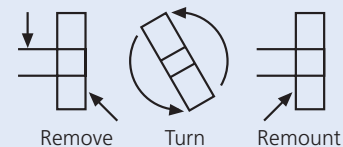
Excessive pressure can cause wire breakage

Apply work to brush, or vice versa, in such a way that as much of the brush face as possible is in full contact with the workpiece. Applying the work to the side or edge of the brush will result in wire breakage and shorten brush life.

Self-Sharpening:

When using wire wheel brushes, periodically reverse the direction of rotation to take advantage of the self-sharpening action that will result. This may be accomplished by removing the brush from the spindle and turning it side for side, and remounting securely.

Spindle



PFERD ADVANCE BRUSH offers a line of TWIN-NUT stringer bead wheels which are designed to be reversed on a threaded spindle without interfering with the tool guard. This also takes advantage of the self-sharpening action of the wire. Please see page 29 for additional information on this product range.

Power Wire Brushes

Unthreaded Crimped Wheel Brushes



The PFERD ADVANCE BRUSH crimped wire wheel offering includes small diameter copper centre brushes as well as narrow, medium and wide face wheels in carbon, stainless steel (INOX) and brass filaments.

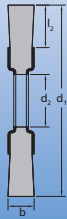
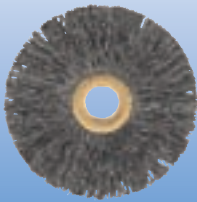
Crimped Wire Wheels Features and Benefits

- Heavy fill density for more wire points, which means more brushing action and longer life.
- Designed for seamless gang mounting without parting lines.
- Uniform wire distribution for optimal balance and finish.
- Standard and long trim options on popular diameters as catalogue items.

Application Guidelines and Tips

- Using as fine a wire as will perform the job satisfactorily will result in longer brush life. Greater wire fatigue and breakage is more likely to occur when coarser wire is used.
- Longer trim length increases brush flexibility.
- Use the appropriate adapter style to achieve the desired arbor hole size.
- Small diameter copper centre wheels can be gang-mounted on drive arbors (see page 66) to achieve a wider brush face.
- For additional operating guidelines, please see page 13.

Small Diameter Copper Centre



EDP 81552

These small diameter wire wheel brushes are designed for use in restricted or hard-to-reach areas. They are excellent brushes for deburring, blending, and cleaning of surfaces and cavities.

Recommendation for Use

Suitable drive systems: straight grinders, flexible shafts, power drills.

Ordering Note

For drive arbors and adapters, please refer to pages 65-66.

PFERD Specification Number
RBU



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
					.006	.008	.010	.012	.014				
Carbon Steel Wire													
1	1/4	1/4	3/16	7/32	81500	-	-	-	-	10,000 - 15,000	20,000	F	10
1-1/4	1/4	3/8	1/4	7/32	81503	81504	-	-	-	10,000 - 15,000	20,000	F	10
1-1/2	3/8	7/16	1/4	7/32	81514	81515	-	81517	81518	10,000 - 15,000	20,000	F	10
2	1/2, 3/8	1/2	3/8	7/32	81526	81527	81528	81529	81530	10,000 - 15,000	20,000	F	10
2-1/2	1/2, 3/8	3/4	1/2	5/16	-	-	-	81534	81535	10,000 - 15,000	20,000	F	10
2-1/2	5/8	11/16	9/16	5/16	-	-	-	81539	-	10,000 - 15,000	20,000	F	10
3	1/2, 3/8	1	5/8	5/16	81542	81543	81544	81545	81546	10,000 - 15,000	20,000	F	10
3	5/8	15/16	5/8	5/16	-	81549	-	-	81552	10,000 - 15,000	20,000	F	10
4	5/8	1-1/2	1/2	5/16	-	81553	-	-	81554	5,000 - 7,500	10,000	F	10
Stainless Steel Wire (INOX)													
1-1/2	3/8	7/16	1/4	7/32	81568	-	-	-	-	8,000 - 13,000	20,000	F	10
2	1/2, 3/8	1/2	3/8	7/32	81575	-	81577	81578	81579	8,000 - 13,000	20,000	F	10
3	1/2, 3/8	1	5/8	5/16	81586	81587	81588	-	-	8,000 - 13,000	20,000	F	10
3	1/2, 3/8	1	5/8	5/16	-	-	-	81589	81590	8,000 - 13,000	20,000	F	10
3	5/8	15/16	5/8	5/16	-	-	-	-	81596	8,000 - 13,000	20,000	F	10

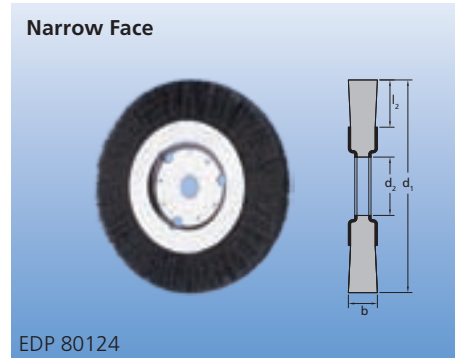



Used for light to medium duty brushing action, these wheels are designed for individual use in confined areas, or in assemblies mounted on a shaft. They are best suited for brushing uneven surfaces and areas inaccessible to wider brushes. Ideal for removal of light scale, dirt, rust, corrosion and light burs.

Ordering Note

All wheels with 1-1/4" arbor hole are provided with 1/4" x 1/8" keyways.
See page 65 for listing of adapters.

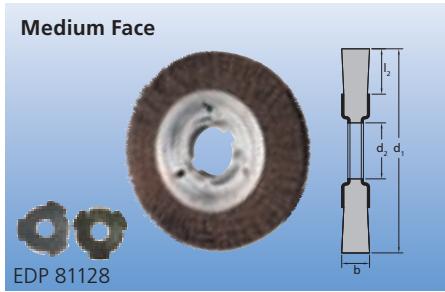
PFERD Specification Number
RBU



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
					.006	.008	.010	.012	.014				
Carbon Steel Wire													
3	1/2, 3/8	3/4	9/16	7/16	80000	-	-	-	80003	5,000 - 7,500	10,000	D	2
4	5/8, 1/2, 3/8	3/4	1/2	13/32	80014	-	80016	80017	80018	6,000 - 9,000	12,500	D	2
6	5/8, 1/2	1-1/8	5/8	7/16	80038	80039	80040	80041	80042	4,000 - 6,000	8,000	D	10
7	5/8	1-5/16	5/8	9/16	-	-	80124	-	-	3,500 - 5,500	7,500	-	2
8	3/4	1-1/2	5/8	5/8	-	-	-	-	80174	3,000 - 4,500	6,000	-	2
8	5/8	1-1/2	5/8	5/8	80158	80159	80160	80161	80162	3,000 - 4,500	6,000	-	2
8	5/8	2-1/8	3/4	15/32	-	-	80190	-	80192	3,000 - 4,500	6,000	-	2
8	1-1/4	1-1/2	3/4	15/32	-	-	80166	80167	-	3,000 - 4,500	6,000	A	2
10	3/4	1-7/8	1	13/16	-	-	-	80221	80222	2,000 - 3,000	4,200	-	2
10	1-1/4	1-7/8	1	1/2	-	80225	80226	-	80228	2,000 - 3,000	4,200	A	2
12	1-1/4	2-7/8	1-1/4	11/16	-	-	-	80283	80284	1,500 - 2,500	3,400	A	2
15	1-1/4	3-1/8	3/4	3/4	-	-	-	-	-	1,000 - 1,900	2,600	-	2
Stainless Steel Wire (INOX)													
3	1/2, 3/8	3/4	9/16	7/16	80330	-	80332	-	-	4,000 - 6,500	10,000	D	2
4	5/8, 1/2, 3/8	3/4	1/2	13/32	80344	-	-	80347	-	5,000 - 8,000	12,500	D	2
6	5/8, 1/2	1-1/8	5/8	7/16	80368	80369	80370	80371	80372	3,000 - 5,000	8,000	D	2
8	5/8	1-1/2	5/8	5/8	80488	-	-	80491	80492	2,000 - 4,000	6,000	-	2
8	5/8	2-1/8	3/4	15/32	80518	-	-	-	-	2,000 - 4,000	6,000	-	2
8	1-1/4	1-1/2	3/4	15/32	-	-	80497	-	-	2,000 - 4,000	6,000	A	2
10	1-1/4	1-7/8	1	1/2	-	-	80557	-	-	1,500 - 2,500	4,200	A	2
12	1-1/4	2-7/8	1-1/4	11/16	-	-	-	80613	-	1,300 - 2,000	3,400	A	2
Brass Wire													
6	5/8, 1/2	1-1/8	5/8	7/16	-	80666	-	-	80667	3,000 - 5,000	8,000	D	2
8	1-1/4	1-1/2	3/4	15/32	-	80682	-	-	-	2,000 - 4,000	6,000	A	2

Power Wire Brushes

Unthreaded Crimped Wheel Brushes



Medium face brushes are designed for medium to heavy duty use either individually or gang mounted. As with all PFERD ADVANCE BRUSH crimped wire wheels, the metal components and adapters are designed for a flush fit when gang-mounted. This design ensures a consistent, seamless surface finish.

Ordering Note

All 6" - 8" diameter wheels are supplied with adapter set K (EDP 84665). All 8" - 15" diameter wheels have a 2" arbor hole with 1/2" x 1/4" keyways.

See page 65 for listing of adapters.

PFERD Specification Number

RBU



Diameter d_1 [Inches]	Arbor Hole d_2 [Inches]	Trim Length l_2 [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number						Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
					.006	.008	.010	.012	.014	.020				
Carbon Steel Wire														
4-1/4	2	7/8	7/8	23/32	-	-	-	-	81104	-	4,000 - 6,000	8,000	C, K	1
6	2	1-1/8	1-1/16	13/16	81112	81113	81114	81115	81116	-	3,000 - 4,000	6,000	C, K	1
7	2	1-5/16	31/32	27/32	-	-	81120	81121	81122	-	3,000 - 4,000	6,000	C, K	1
8	2	1-1/2	1-1/16	1	81124	-	81126	81127	81128	81129	2,000 - 3,000	4,500	C	1
10	2	1-7/8	1-1/8	1	81130	-	81132	81133	81134	81135	1,500 - 2,500	3,600	C	1
12	2	2-7/8	1-3/4	1-5/16	-	-	-	81138	81139	81140	1,500 - 2,000	3,000	C	1
15	2	3-1/8	1-3/8	1-5/16	-	-	-	-	81143	-	1,000 - 1,800	2,400	C	1
Stainless Steel Wire (INOX)														
4-1/4	2	7/8	7/8	23/32	-	-	-	-	81149	-	3,000 - 5,000	8,000	C, K	1
6	2	1-1/8	1-1/16	13/16	81157	81158	81159	81160	81161	-	2,000 - 4,000	6,000	C, K	1
7	2	1-5/16	31/32	27/32	-	-	-	-	81167	-	2,000 - 4,000	6,000	C, K	1
8	2	1-1/2	1-1/16	1	81169	-	81171	81172	81173	81174	1,800 - 3,000	4,500	C	1
10	2	1-7/8	1-1/8	1	81175	-	-	81178	-	-	1,400 - 2,000	3,600	C	1
12	2	2-7/8	1-3/4	1-5/16	-	-	-	-	81184	-	1,200 - 1,900	3,000	C	1
15	2	3-1/8	1-3/8	1-5/16	-	-	-	-	81187	-	950 - 1,500	2,400	C	1
Brass Wire														
6	2	1-1/8	1-1/16	13/16	-	81194	-	-	81195	-	2,000 - 4,000	6,000	C, K	1



Power Wire Brushes

Unthreaded Crimped Wheel Brushes

Wide face, multiple section brushes for all purpose portable or stationary brushing are designed for maximum productivity. Engineered for professional use, the wide face brushes feature precision balance, high quality tempered wire, and dense wire fill for fast brushing action, superior surface finish and long service life.

Available in a wide product range to fit every application, including: refining metal surfaces, preparing rubber in vulcanizing, blending

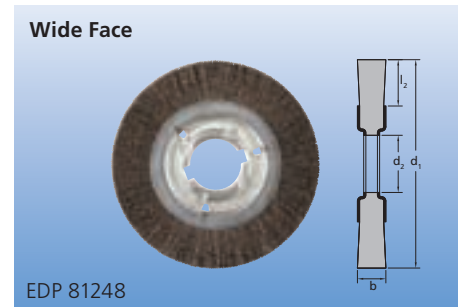
surfaces, and removing light burrs, paint and corrosion.

Ordering Note

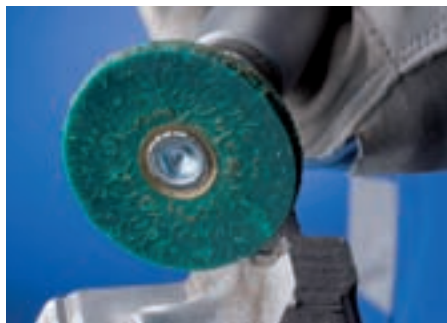
All 6" - 8" diameter wheels are supplied with adapter set K (EDP 84665). All 8" - 15" diameter wheels have a 2" arbor hole with 1/2" x 1/4" keyways.

See page 65 for listing of adapters.

PFERD Specification Number
RBU



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number						Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style		
					.006	.008	.010	.012	.014	.020					
Carbon Steel Wire															
4-1/4	2	7/8	1-1/8	1	-	-	-	81223	81224	-	4,000 - 6,000	8,000	C, K	1	
6	2	1-1/8	1-1/8	1-3/32	81232	-	81234	81235	81236	-	3,000 - 4,500	6,000	C, K	1	
7	2	1-5/16	1-7/16	1-3/8	-	-	-	81241	81242	-	3,000 - 4,500	6,000	C K	1	
8	2	1-1/2	1-5/8	1-1/4	81244	-	81246	81247	81248	81249	2,000 - 3,000	4,500	C	1	
10	2	1-7/8	2-1/8	1-3/4	-	-	81252	81253	81254	81255	1,500 - 2,500	3,600	C	1	
12	2	2-7/8	2-3/8	1-3/4	-	-	-	81257	81258	81259	1,500 - 2,000	3,000	C	1	
15	2	3-1/8	2-1/2	1-3/4	-	-	-	81261	-	-	1,000 - 1,800	2,400	C	1	
Stainless Steel Wire (INOX)															
6	2	1-1/8	1-1/8	1-3/32	81276	-	-	81279	81280	-	2,000 - 4,000	6,000	C, K	1	
8	2	1-1/2	1-5/8	1-7/16	-	-	-	81291	-	-	1,800 - 3,000	4,500	C	1	
10	2	1-7/8	2-1/8	1-3/4	-	-	-	81297	81298	-	1,400 - 2,000	3,600	C	1	
12	2	2-7/8	2-3/8	1-3/4	-	-	-	-	81302	81303	1,200 - 1,900	3,000	C	1	
15	2	3-1/8	2-1/2	1-3/4	-	81304	-	-	-	-	950 - 1,500	2,400	C	1	
Brass Wire															
6	2	1-1/8	1-1/8	1-3/32	-	-	-	-	81313	-	2,000 - 4,000	6,000	C, K	1	

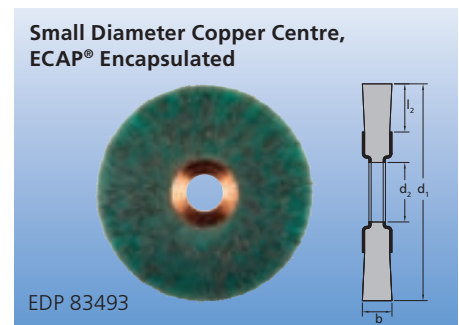


Encapsulated small-diameter wheel brush offers aggressive brushing performance, longer service life, and controlled surface contact area.

Ordering Note

See drive arbors and adapters on pages 65-66.

PFERD Specification Number
RBV



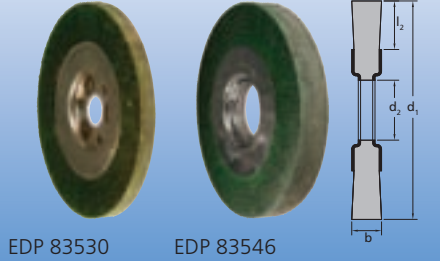
Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	ECAP® Grade	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
					.008	.010	.012	.014				
Carbon Steel Wire												
1-1/2	3/8	3/8	1/4	E3	83486	-	83488	83489	10,000-15,000	20,000	F	10
2	1/2	1/2	1/4	E3	83491	-	83493	83494	10,000-15,000	20,000	F	10
2-1/2	1/2	3/4	1/4	E3	-	83495	-	-	10,000-15,000	20,000	F	10
3	1/2	1	1/4	E3	83499	-	83500	83501	10,000-15,000	20,000	F	10
3	5/8	15/16	1/4	E3	-	-	-	83503	10,000-15,000	20,000	F	10

Power Wire Brushes

Unthreaded Crimped Wheel Brushes



Narrow, Medium and Wide Face, ECAP® Encapsulated



Encapsulation material gradually wears away to consistently maintain a short trim length for more aggressive brushing and long service life. Elastomer provides precision control of contact area on workpiece.

Ordering Note

All wheels with 1-1/4" arbor hole include 1/4" x 1/8" keyways. All wheels with 2" arbor hole include 1/2" x 1/4" keyways. See page 65 for listing of adapters.

PFERD Specification Number

RBV



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	ECAP® Grade	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
					.006	.008	.010	.012	.014				

Carbon Steel Wire - Narrow Face

6	1-1/4	1-1/8	7/16	E3	83528	-	-	-	-	4,000 - 6,000	6,000	A	1
6	5/8, 1/2	1-1/8	7/16	E3	-	-	83530	-	83532	4,000 - 6,000	6,000	D	1
8	1-1/4	1-1/2	15/32	E3	-	83534	-	-	-	4,000 - 6,000	6,000	A	1
8	5/8	1-1/2	15/32	E3	-	-	83535	-	-	4,000 - 6,000	6,000	-	1

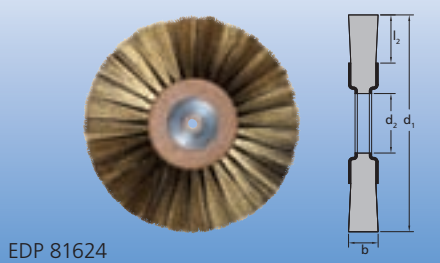
Carbon Steel Wire - Medium Face

6	2	1-1/8	13/16	E3	-	-	-	83538	-	2,000 - 3,000	4,500	C	1
8	2	1-1/2	1	E3	-	-	-	83540	-	2,000 - 3,000	4,500	C	1
10	2	1-7/8	1	E3	-	-	-	83542	-	2,000 - 3,000	3,600	C	1
12	2	2-7/8	1-5/16	E3	-	-	-	83543	-	2,000 - 3,000	3,000	C	1

Carbon Steel Wire - Wide Face

4-1/4	2	7/8	1	E3	-	-	-	83544	-	4,000 - 6,000	6,000	C	1
6	2	1-1/8	1-3/32	E3	-	-	-	83546	-	4,000 - 6,000	6,000	C	1

Platers Brushes



Special crimped wire wheel brush with fine steel or brass wire. Features a wood hub, and a lead-filled centre. Used for light deburring, surface cleaning and finishing. Achieves a fine brush or satin finish.

Ordering Note

Additional platers brushes can be found on page 94.

PFERD Specification Number

RBU



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Rows Wide	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
					.004				

Carbon Steel Wire

4	1/4	2	1-1/4	15/16		81616	550 - 800	1,100	1
6	1/4	4	1-3/4	15/16		81617	550 - 800	1,100	1

Brass Wire

4	1/4	2	1-1/4	15/16		81623	400 - 700	1,100	1
6	1/4	4	1-3/4	15/16		81624	400 - 700	1,100	1



High performance, general purpose wheel for bench and pedestal machines. Use for edge blending, flash removal, cleaning, removing paint, rust and corrosion, roughening, matte finishing, and light deburring work.

Economy line features untempered wire with a lower fill density than the Quality line.

Recommendation for Use

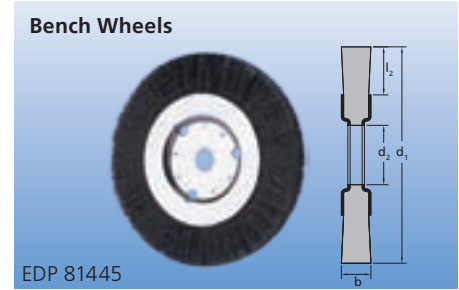
Suitable power tool: bench grinders, stationary machines, flexible shafts.

Ordering Note

8" and 10" diameter medium face bench wheels include 1/2" x 1/4" keyway. See page 65 for listing of adapters.

PFERD Specification Number

RBU



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max [RPM]	Adapter Style	
					Quality Line		Economy Line					
					.008	.014	.008	.014				
Carbon Steel Wire - Standard Face (Solid Centre)												
4	1/2, 3/8	3/4	1/2	13/32	81442	81443	81420 P	81421 P	6,000 - 9,000	12,500	D	2/5
6	5/8, 1/2	1-1/8	5/8	1/2	81444	81445	81422 P	81423 P	4,000 - 6,000	8,000	D	2/5
7	5/8	1-7/16	19/32	1/2	81446	81447	81424 P	81425 P	3,500 - 5,500	7,500	-	2/5
8	1-1/4, 1, 3/4, 5/8	1-13/16	3/4	15/32	81448	81449	81426 P	81427 P	3,000 - 4,500	6,000	A	2/5
10	1-1/4, 1, 3/4	1-7/8	1	13/16	-	81450	-	-	2,000 - 3,000	4,200	A	2
Carbon Steel Wire - Medium Face (Adapter Style)												
6	2	1-1/8	29/32	15/16	81456 P	81457 P	81432 P	81433 P	3,000 - 4,500	6,000	C	1/5
7	2	1-5/16	31/32	15/16	81458	81459 P	81434 P	81435 P	3,000 - 4,500	6,000	C	1/5
8	2	1-1/2	1-1/8	15/16	81460 P	81461 P	81436 P	81437 P	2,000 - 3,000	4,500	C	1/5
10	2	1-7/8	1-1/8	1	-	81462	-	-	1,500 - 2,500	3,600	C	1

EZmount™ crimped wire wheel eliminates mounting problems commonly found with other bench brushes. It's designed with a flat side profile that matches all mounting flanges on pedestal and bench grinders for a correct fit. Easy installation takes seconds. The telescoping bushing is self-sizing and makes full width contact to prevent the brush from falling into spindle threads.

Recommendation for Use

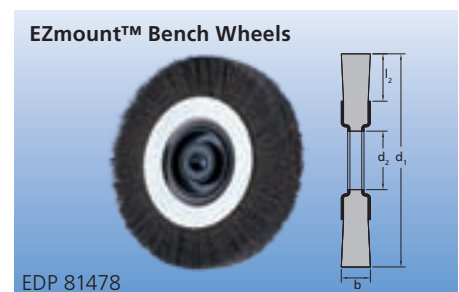
For use on bench grinders.

Ordering Note

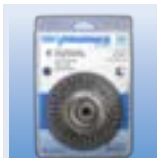
Includes adapter set "E". See page 65 for adapter information.

PFERD Specification Number

RBU T



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max [RPM]	Adapter Style	
					.008	.014				
Carbon Steel Wire										
6	2, 1, 3/4, 5/8, 1/2	7/8	7/8	3/4	81473	81474 P	3,000 - 4,500	6,000	E	1/5
8	2, 1, 3/4, 5/8	7/8	7/8	3/4	81477 P	81478 P	2,000 - 3,000	4,500	E	1/5
10	2, 1, 3/4	2-1/4	7/8	3/4	-	81480	1,500 - 2,500	3,600	E	1



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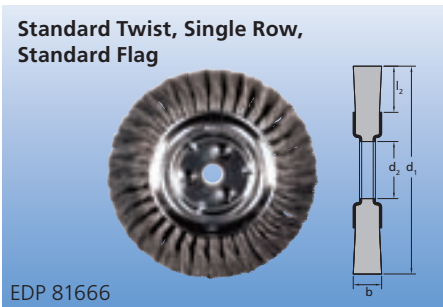
PFERD ADVANCE BRUSH offers a range of unthreaded and threaded knot wheel brushes for use in all industries. We also offer a wide range of stringer bead wheels specially designed for use in the pipeline industry.

Knot Wheel Brushes Features and Benefits

- COMBITWIST® alternating-knot style available for most efficient brushing action.
- Superior rotational balance reduces operator fatigue and improves tool life.
- Patent pending TWIN-NUT style stringer bead wheels available for more aggressive brushing and longer tool life.
- J-BEVEL encapsulated stringer bead wheels available for use with automatic welding equipment.

Application Guidelines and Tips

- The tighter the knot, the more aggressive the brushing action. See page 10 for detailed information on various knot styles.
- For additional operating guidelines, please see page 13.



Standard twist knot wheel brushes feature knots that are twisted approximately 75% of the length of the trim. The loosely-twisted knots cover a larger surface area and are ideal for heavy-duty cleaning and surface conditioning.

For weld cleaning, weld spatter removal, scale removal, cleaning, deburring, and flash removal.

Ordering Note

All wheels with 1-1/4" arbor holes include 1/4" x 1/8" keyways. All wheels with 2" arbor hole include 1/2" x 1/4" keyways.



PFERD Specification Number

RBG

Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
						.012	.014	.016	.020	.023				
Carbon Steel Wire														
3	1/2, 3/8	18	3/4	7/16	7/16	81650	81651	-	81652	-	12,500 - 18,700	25,000	F	10
3-1/4	1/2, 3/8	20	3/4	1/2	7/16	81653	81654	-	81655	-	12,500 - 18,700	25,000	F	10
4	1/2, 3/8	22	3/4	5/8	7/16	81656	81657 P	-	81658	-	10,000 - 15,000	20,000	F	10/5
4	5/8, 1/2	22	3/4	5/8	7/16	81659 P	81660	-	81661	-	10,000 - 15,000	20,000	F	10/5
6	5/8, 1/2	32	1-1/8	5/8	9/16	81665	81666 P	81667 P	-	81668	4,500 - 6,500	9,000	F	10/5
7	5/8	32	1-5/8	5/8	9/16	-	81694	-	-	-	4,500 - 6,500	9,000	-	2
8	5/8	42	1-5/8	5/8	5/8	81702	81703	81704 P	-	81706	3,500 - 5,000	7,000	-	2/5
8	3/4	42	1-5/8	5/8	5/8	-	81698	-	-	-	3,500 - 5,000	7,000	-	2
8	1-1/4	42	1-1/8	5/8	5/8	-	81708	-	-	81711	3,500 - 5,000	7,000	H	2
10	3/4	50	2-1/8	3/4	5/8	-	81723	-	-	-	2,500 - 4,000	5,400	-	2
10	1-1/4	50	2-1/8	3/4	5/8	81727	81728	81729	-	-	2,500 - 4,000	5,400	H	2
12	1-1/4	60	2	3/4	5/8	-	81753	81754	-	-	2,000 - 3,000	4,500	H	2
12	2	60	2	3/4	5/8	-	-	-	-	81766	2,000 - 3,000	4,500	-	2
15	1-1/4	60	3-1/2	7/8	5/8	-	-	81773	-	-	1,500 - 2,500	3,600	-	2
15	2	60	3-1/2	7/8	5/8	-	-	81777	-	81778	1,500 - 2,500	3,600	-	2
Stainless Steel Wire (INOX)														
3	1/2, 3/8	18	3/4	7/16	7/16	81800	81801	-	81802	-	10,000 - 16,000	25,000	F	10
4	1/2, 3/8	22	3/4	5/8	7/16	81806	81807 P	-	81808	-	8,000 - 13,000	20,000	F	10/5
4	5/8, 1/2	22	3/4	5/8	7/16	81809	81810	-	-	-	8,000 - 13,000	20,000	F	10
6	5/8, 1/2	32	1-1/8	5/8	9/16	-	-	81816	-	-	3,500 - 5,500	9,000	F	10
8	5/8	42	1-5/8	5/8	5/8	81829	-	81830	-	-	2,500 - 4,500	7,000	-	2



Extended flag length provides a better surface finish than standard twist knot brushes, while brushing more aggressively than crimped wire wheels.

Ordering Note

All wheels with 1-1/4" arbor holes include 1/4" x 1/8" keyways.

PFERD Specification Number

RBG

Standard Twist, Single Row, Long Flag



EDP 81881

Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
						.012	.014	.016	.020				
Carbon Steel Wire													
6	5/8, 1/2	32	1-1/8	5/8	9/16	81880	81881	-	-	4,500 - 6,500	9,000	F	10
8	5/8	42	1-5/8	5/8	5/8	-	81889	-	-	3,500 - 5,000	7,000	-	2
10	3/4	50	2-1/8	3/4	5/8	-	81898	-	-	2,500 - 4,000	5,400	-	2
10	1-1/4	50	2-1/8	3/4	5/8	-	81903	81904	-	2,500 - 4,000	5,400	H	2
12	1-1/4	60	2	3/4	5/8	-	81928	-	81930	2,000 - 3,500	4,500	H	2

Stainless Steel Wire (INOX)

6	5/8-1/2	32	1-1/8	5/8	9/16	81960	-	81961	-	3,500 - 5,500	9,000	F	10
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For deflashing/cleaning of insert molded rubber parts, removing heavy surface contamination, and heavy deburring of machine parts.

PFERD Specification Number

RBG

Heavy Duty, Standard Twist, Double Row, Long Flag



EDP 82036

Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
						.012	.014	.016	.023				
Carbon Steel Wire													
4	5/8, 1/2	44	3/4	1	1-1/8	-	82032	-	-	6,000 - 12,000	20,000	D	5
6	2	60	1-1/8	1	1-1/8	82033	-	82034	-	4,000 - 6,000	7,800	C	5
8	2	72	1-5/8	1-1/8	1-1/8	82035	-	82036	82037	3,000 - 4,500	6,000	C	1
10	2	100	2-1/8	1-1/4	1-1/4	82038	-	82039	82040	2,500 - 3,500	4,800	C	1
12	2	120	2	1-5/8	1-1/4	82041	-	82042	82043	2,000 - 3,000	4,000	C	1

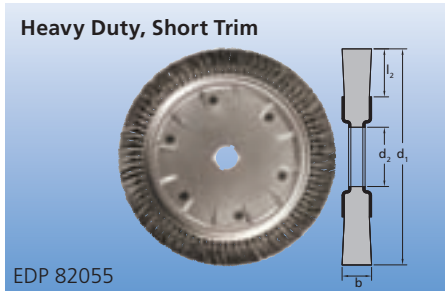


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Power Wire Brushes

Unthreaded Knot Wheel Brushes



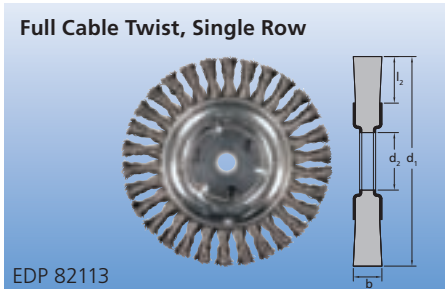
These short trim very aggressive wheel brushes are ideal for heavy cleaning and burr removal.

Extremely heavy duty removal.
Maximum brushing action.

PFERD Specification Number
RBG



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Keyway Dimensions [Inches]	Wire Diameter and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
							.014	.016	.020				
Carbon Steel Wire													
10	2	60	1-1/8	3/4	1/2	-	-	-	82053	2,500 - 4,000	5,400	-	2
12-1/2	1-1/4	80	1-1/2	1/2	1/2	1/4 x 1/8	82055	-	-	2,000 - 3,000	4,300	H	2
14	1-1/4	90	1-1/2	1/2	1/2	1/4 x 1/8	82059	82060	82061	2,000 - 3,000	3,850	-	2
14	2	90	1-1/2	1/2	1/2	1/2 x 1/4	82062	82063	-	2,000 - 3,000	3,850	C	2
15	2	90	2-1/8	3/4	3/8	1/2 x 1/4	-	-	82069	1,500 - 2,500	3,500	C	2



Full cable twist knot wheel brushes feature tightly twisted knots for low flex, high impact brushing action. Narrow face allows better control of surface contact area. Full cable twist is ideal for the toughest brushing applications where surface finish is a low priority.

For weld cleaning, weld spatter removal, scale removal, cleaning, deburring, and flash removal.

Recommendation for Use
For optimal performance, use on angle grinders at elevated speeds.

PFERD Specification Number
RBG



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Keyway Dimensions [Inches]	Wire Diameter and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
							.014	.020	.023				
Carbon Steel Wire													
4	1/2, 3/8	22	3/4	3/8	7/16	-	-	82101	-	10,000 - 15,000	20,000	F	10
4	5/8, 1/2	22	3/4	3/8	7/16	-	82102	-	-	10,000 - 15,000	20,000	F	10
4-1/2	7/8	24	13/16	1/2	7/16	-	-	82452	-	6,000 - 9,000	12,500	F	10
6	5/8, 1/2	24	1-1/4	3/8	9/16	-	-	-	82109	5,000 - 7,500	10,000	F	10
6	5/8, 1/2	30	1-1/4	1/2	9/16	-	-	-	82113	5,000 - 7,500	10,000	F	10
8	5/8	42	1-5/8	3/8	5/8	-	-	-	82118	3,500 - 5,000	7,000	-	2
10	3/4	36	2-5/8	3/8	5/8	-	-	-	82120	2,500 - 4,000	5,400	-	2
10	1-1/4	36	2-5/8	3/8	5/8	1/4 x 1/8	-	-	82121	2,500 - 4,000	5,400	H	2
12	1-1/4	60	2	1/2	5/8	1/4 x 1/8	-	-	82123	2,000 - 3,000	4,500	H	2




Long trim for joint penetration, and finer wire for extended life. Used for removing road joint material. Features 3/8" drive pin hole.

Recommendation for Use
Used on walk-behind and portable machines.

PFERD Specification Number
RBG




Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
						.028	.035			
Carbon Steel Wire										
10	1	40	2-1/4	3/8	1/2	82075	82076	2,000 - 3,000	4,500	2
12	1	40	3	3/8	1/2	82077	82078	2,000 - 3,000	4,500	2
12	20 mm	40	3	3/8	1/2	82085	82086	2,000 - 3,000	4,500	2



Knotted, long-lasting, aggressive multi-section wheel is easy to install. Works hard removing rust and protective coating from pipe ends, before beveling or welding.

PFERD Specification Number
RBG



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Keyway Dimensions [Inches]	Wire Diameter and EDP Number	Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
Carbon Steel Wire											
10	2	50	2-1/4	3/4	3/4	1/2 x 1/4	82083	2,500 - 4,000	5,400	C	1
10	2	200	2-1/4	2-3/8	2	-	82084	2,500 - 3,500	4,800	C	1
10	2	200	2-1/4	2-3/8	2	1/2 x 1/4	82094	2,500 - 3,500	4,800	C	1



PFERD ADVANCE BRUSH products are engineered for optimal use in the pipeline industry. Please request our Pipeline Hand Tools catalogue for more information on this product line!



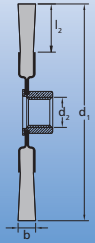
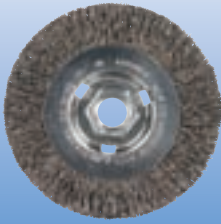
Please refer to catalogue 206 for detailed information and ordering data on PFERD reinforced grinding wheels for pipelines.

Power Wire Brushes

Threaded Crimped Wheel Brushes



High Speed Mini Wheel



EDP 82195

Crimped wire wheel brushes are less aggressive than knot wire type for lighter-duty applications. Crimped wire is more flexible, and leaves a superior surface finish.

For weld cleaning, rust, paint, adhesive and oxidation removal, cleaning, light deburring, and flash removal, etc.

Recommendation for Use

Suitable power tool: designed for use on angle grinders.

Ordering Note

Please see page 66 for thread adapters.

PFERD Specification Number

RBU

Diameter d_1 [Inches]	Thread Size d_2 [Inches]	Trim Length l_2 [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
				.012	.014			
Carbon Steel Wire								
4	5/8-11	11/16	1/2	-	82195 P	6,000 - 12,500	12,500	10/5
4	1/2-13	11/16	1/2	-	82196	6,000 - 12,500	12,500	10
Stainless Steel Wire (INOX)								
4	5/8-11	11/16	1/2	-	82316	5,000 - 6,000	12,500	10
Brass Wire								
4	5/8-11	11/16	1/2	82367	-	5,000 - 6,000	12,500	10





Standard twist knot wheel brushes with a threaded nut for easy change out. Features loosely twisted knots for aggressive brushing action with a good surface finish. They are ideal when heavy-duty or severe cleaning is required.

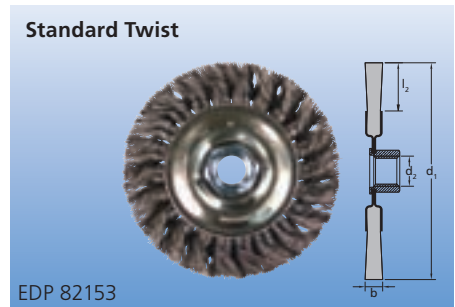
For weld cleaning, weld spatter removal, scale removal, cleaning, deburring, and flash removal.

Recommendation for Use

For optimal performance, use on angle grinders.

PFERD Specification Number

RBG



Diameter d ₁ [Inches]	Thread Size d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
					.014	.016	.020	.023			
Carbon Steel Wire											
3	3/8-24	18	5/8	7/16	82150	-	-	-	12,500 - 20,000	25,000	10
4	5/8-11	22	7/8	5/8	82153 P	-	82154	-	10,000 - 15,000	20,000	10/5
4	1/2-13	22	7/8	5/8	-	-	82156	-	10,000 - 15,000	20,000	10
4	3/8-24	22	7/8	5/8	82157	-	82158	-	10,000 - 15,000	20,000	10
5	5/8-11	24	5/8	5/8	-	-	82470	-	7,500 - 15,000	15,000	10
6	5/8-11	32	1-1/8	5/8	82471	82472	-	82473	4,500 - 9,000	9,000	10
Stainless Steel Wire (INOX)											
4	5/8-11	22	7/8	5/8	82283 P	-	82284	-	8,000 - 15,000	20,000	10/5
4	1/2-13	22	7/8	5/8	-	-	82286	-	8,000 - 15,000	20,000	10
4	3/8-24	22	7/8	5/8	-	-	82288	-	8,000 - 15,000	20,000	10
5	5/8-11	24	5/8	5/8	-	-	82596	-	6,000 - 15,000	15,000	10
6	5/8-11	32	1-1/8	5/8	-	82597	-	82598	3,500 - 9,000	9,000	10
Brass Wire											
4	5/8-11	22	7/8	5/8	82366	-	-	-	8,000 - 15,000	20,000	10



Product Highlights:

- More aggressive brushing
- Longer brush life
- Superior rotational balance
- Faster stock removal
- Reduced operator fatigue
- Better surface finish

PFERD Specification Number

RBG CT



Diameter d ₁ [Inches]	Thread Size d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
					.014	.016	.020	.023			
Carbon Steel Wire											
4	5/8-11	22	7/8	5/8	82383	-	82384	-	10,000 - 15,000	20,000	10
5	5/8-11	24	5/8	5/8	-	-	82680	-	7,500 - 15,000	15,000	10
6	5/8-11	32	1-1/8	5/8	82681	82682	-	82683	4,500 - 9,000	9,000	10
Stainless Steel Wire (INOX)											
4	5/8-11	22	7/8	5/8	82412	-	82413	-	8,000 - 15,000	20,000	10
5	5/8-11	24	5/8	5/8	-	-	82749	-	6,000 - 15,000	15,000	10
6	5/8-11	32	1-1/8	5/8	-	82752	-	82753	3,500 - 9,000	9,000	10

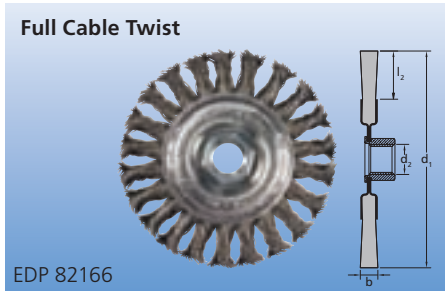


Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the

EDP number. The minimum order quantity of POP items is printed in "blue" accordingly.

Power Wire Brushes

Threaded Knot Wheel Brushes



Narrow face allows better control of surface contact area. Full cable twist is ideal for the toughest brushing applications where surface finish is a low priority.

Recommendation for Use
For optimal performance, use on angle grinders.

PFERD Specification Number
RBG



Diameter d ₁ [Inches]	Thread Size d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
					.014	.016	.020	.023			
Carbon Steel Wire											
4	5/8-11	22	3/4	3/8	82165 P	-	82166 P	-	10,000 - 15,000	20,000	10/5
4	1/2-13	22	3/4	3/8	82167	-	82168	-	10,000 - 15,000	20,000	10
4	3/8-24	22	3/4	3/8	82169	-	82170	-	10,000 - 15,000	20,000	10
4	M10x1.25	22	3/4	3/8	82171	-	82172 P	-	10,000 - 15,000	20,000	10/5
4	M10x1.50	22	3/4	3/8	-	-	82174	-	10,000 - 15,000	20,000	10
4	M14x2.0	22	3/4	3/8	-	-	82176	-	10,000 - 15,000	20,000	10
5	5/8-11	24	3/4	3/8	-	-	-	82474 P	7,500 - 15,000	15,000	10/5
6	5/8-11	24	1-1/4	3/8	-	-	-	82477 P	5,000 - 10,000	10,000	10/5
6	5/8-11	30	1-1/4	1/2	-	82476 P	-	82478 P	5,000 - 10,000	10,000	10/5

Stainless Steel Wire (INOX)											
4	5/8-11	22	3/4	3/8	82295 P	-	82296	-	8,000 - 15,000	20,000	10/5
4	1/2-13	22	3/4	3/8	82297	-	-	-	8,000 - 15,000	20,000	10
4	3/8-24	22	3/4	3/8	82299	-	82300	-	8,000 - 15,000	20,000	10
4	M10x1.50	22	3/4	3/8	-	-	82304	-	8,000 - 15,000	20,000	10
5	5/8-11	24	3/4	3/8	-	-	-	82599	6,000 - 15,000	15,000	10
6	5/8-11	24	1-1/4	3/8	-	82600	-	82602	4,000 - 10,000	10,000	10
6	5/8-11	30	1-1/4	1/2	-	-	-	82603	4,000 - 10,000	10,000	10



- Product Highlights:**
- More aggressive brushing
 - Longer brush life
 - Superior rotational balance
 - Faster stock removal
 - Reduced operator fatigue
 - Better surface finish

PFERD Specification Number
RBG CT



Dia. d ₁ [Inches]	Thread Size d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
					.014	.016	.020	.023			
Carbon Steel Wire											
4	5/8-11	22	3/4	3/8	82387	-	82388 P	-	10,000 - 15,000	20,000	10/5
5	5/8-11	24	3/4	3/8	-	-	-	82684	7,500 - 15,000	15,000	10
6	5/8-11	24	1-1/4	3/8	-	-	-	82687	5,000 - 10,000	10,000	10
6	5/8-11	30	1-1/4	1/2	-	82686	-	82688	5,000 - 10,000	10,000	10

Stainless Steel Wire (INOX)											
4	5/8-11	22	3/4	3/8	82416	-	82417	-	8,000 - 15,000	20,000	10
5	5/8-11	24	3/4	3/8	-	-	-	82754	6,000 - 15,000	15,000	10
6	5/8-11	24	1-1/4	3/8	-	-	-	82757	4,000 - 10,000	10,000	10
6	5/8-11	30	1-1/4	1/2	-	82756	-	82758	4,000 - 10,000	10,000	10

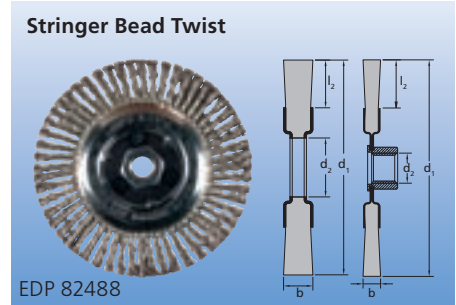



Stringer bead knot wheel brushes are tightly twisted for low flex, high impact brushing action. Designed for root and hot pass weld cleaning in pipe joining applications. Also for general use where a narrow face, aggressive brush is desired for controlled, confined surface contact area.

Root and hot pass weld cleaning, applications requiring most aggressive brushing action.

Recommendation for Use
For optimal performance, use on angle grinders.

PFERD Specification Number
RBG Pipe



Diameter d_1 [Inches]	Bore/Thread Size d_2	No. of Knots	Trim Length l_2 [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number	Recom. Speed [RPM]	MSFS Max. [RPM]		
Carbon Steel Wire									
4	5/8-11	32	3/4	3/16	82186 P	10,000 - 15,000	20,000	10/5	
4	1/2-13	32	3/4	3/16	82187 P	10,000 - 15,000	20,000	10/5	
4	3/8-24	32	3/4	3/16	82188	10,000 - 15,000	20,000	10	
4	M10x1.50	32	3/4	3/16	82189	10,000 - 15,000	20,000	10	
4	M10x1.25	32	3/4	3/16	82190 P	10,000 - 15,000	20,000	10/5	
4	M14x2.0	32	3/4	3/16	82191 P	10,000 - 15,000	20,000	10/5	
4	5/8	32	3/4	3/16	82192	10,000 - 15,000	20,000	10	
4	1/2-3/8	32	3/4	3/16	82193	10,000 - 15,000	20,000	10	
4-1/2	5/8-11	32	1	3/16	82194 P	10,000 - 15,000	20,000	10/5	
4-7/8	5/8-11	38	3/4	3/16	82479	7,500 - 15,000	15,000	10	
4-7/8	5/8-11	48	3/4	3/16	82483 P	7,500 - 15,000	15,000	10/5	
4-7/8	7/8	48	3/4	3/16	82480	7,500 - 15,000	15,000	10	
6	5/8-11	40	1-1/8	3/16	82486	6,000 - 12,500	12,500	10	
6	5/8-11	48	1-1/8	3/16	82487 P	6,000 - 12,500	12,500	10/5	
6	5/8-11	56	1-1/8	3/16	82488 P	6,000 - 12,500	12,500	10/5	
6	5/8-11	64	1-1/8	1/8	82489	6,000 - 12,500	12,500	10	
6-7/8	5/8-11	56	1-1/8	3/16	82494 P	4,500 - 9,000	9,000	10/5	
6-7/8	5/8-11	72	1-1/8	3/16	82495	4,500 - 9,000	9,000	10	
Stainless Steel Wire (INOX)									
4	5/8-11	32	3/4	3/16	82307 P	8,000 - 15,000	20,000	10/5	
4	1/2-13	32	3/4	3/16	82308 P	8,000 - 15,000	20,000	10/5	
4	3/8-24	32	3/4	3/16	82309	8,000 - 15,000	20,000	10	
4	M10x1.25	32	3/4	3/16	82311	8,000 - 15,000	20,000	10	
4	M14x2.0	32	3/4	3/16	82312	8,000 - 15,000	20,000	10	
4	5/8	32	3/4	3/16	82313	8,000 - 15,000	20,000	10	
4	1/2-3/8	32	3/4	3/16	82314	8,000 - 15,000	20,000	10	
4-1/2	5/8-11	32	1	3/16	82315 P	8,000 - 15,000	20,000	10/5	
4-7/8	5/8-11	38	3/4	3/16	82604	6,000 - 15,000	15,000	10	
4-7/8	5/8-11	48	3/4	3/16	82608 P	6,000 - 15,000	15,000	10/5	
4-7/8	7/8	48	3/4	3/16	82605	6,000 - 15,000	15,000	10	
6	5/8-11	40	1-1/8	3/16	82611	5,000 - 12,500	12,500	10	
6	5/8-11	48	1-1/8	3/16	82612 P	5,000 - 12,500	12,500	10/5	
6	5/8-11	56	1-1/8	3/16	82613	5,000 - 12,500	12,500	10	
6	5/8-11	64	1-1/8	1/8	82614	5,000 - 12,500	12,500	10	
6-7/8	5/8-11	56	1-1/8	3/16	82619	3,500 - 9,000	9,000	10	
6-7/8	5/8-11	72	1-1/8	3/16	82620	3,500 - 9,000	9,000	10	



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the

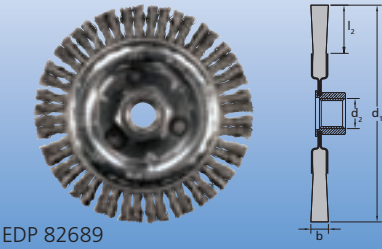
EDP number. The minimum order quantity of POP items is printed in "blue" accordingly.

Power Wire Brushes

Threaded Knot Wheel Brushes



Stringer Bead Twist, COMBITWIST®



EDP 82689

Product Highlights:

- More aggressive brushing
- Longer brush life
- Superior rotational balance
- Faster stock removal
- Reduced operator fatigue
- Better surface finish

Recommendation for Use

For optimal performance, use on angle grinders.

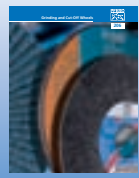
PFERD Specification Number

RBG CT



Diameter d ₁ [Inches]	Thread Size d ₂ [Inches]	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number .020	Recom. Speed [RPM]	MSFS Max. [RPM]	
Carbon Steel Wire								
4	5/8-11	32	3/4	3/16	82391 P	10,000 - 15,000	20,000	10/5
4-1/2	5/8-11	32	1	3/16	82392 P	10,000 - 15,000	20,000	10/5
4-7/8	5/8-11	48	3/4	3/16	82689	7,500 - 15,000	15,000	10
6	5/8-11	40	1-1/8	3/16	82692	6,000 - 12,500	12,500	10
6	5/8-11	48	1-1/8	3/16	82693	6,000 - 12,500	12,500	10
6	5/8-11	56	1-1/8	3/16	82694	6,000 - 12,500	12,500	10
6	5/8-11	64	1-1/8	1/8	82695	6,000 - 12,500	12,500	10
6-7/8	5/8-11	56	1-1/8	3/16	82700	4,500 - 9,000	9,000	10
6-7/8	5/8-11	72	1-1/8	3/16	82701	4,500 - 9,000	9,000	10
Stainless Steel Wire (INOX)								
4	5/8-11	32	3/4	3/16	82420	8,000 - 15,000	20,000	10
4-1/2	5/8-11	32	1	3/16	82421 P	8,000 - 15,000	20,000	10/5
4-7/8	5/8-11	48	3/4	3/16	82759	7,000 - 15,000	15,000	10
6	5/8-11	40	1-1/8	3/16	82762	5,000 - 12,500	12,500	10
6	5/8-11	48	1-1/8	3/16	82763	5,000 - 12,500	12,500	10
6	5/8-11	56	1-1/8	3/16	82764	5,000 - 12,500	12,500	10
6	5/8-11	64	1-1/8	1/8	82765	5,000 - 12,500	12,500	10
6-7/8	5/8-11	56	1-1/8	3/16	82770	3,600 - 9,000	9,000	10
6-7/8	5/8-11	72	1-1/8	3/16	82771	3,600 - 9,000	9,000	10

PFERD ADVANCE BRUSH products are engineered for optimal use in the pipeline industry. Please request our Pipeline Hand Tools catalogue for more information on this product line!



Please refer to catalogue 206 for detailed information and ordering data on PFERD reinforced grinding wheels for pipelines.



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the EDP number. The minimum order quantity of POP items is printed in "blue" accordingly.



This unique patent pending nut design solves the problem of brush interference with the guard when changing the mounting position of the brush, resulting in increased user safety.

Reversing the mounting position of the brush takes advantage of the self-sharpening effect of the wire, resulting in longer service life, and improved brush performance.

Recommendation for Use

For optimal performance, use on angle grinders.

PFERD Specification Number

RBG



Diameter d_1 [Inches]	Thread Size d_2 [Inches]	No. of Knots	Trim Length l_2 [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number .020	Recom. Speed [RPM]	MSFS Max. [RPM]	
Carbon Steel Wire								
6	5/8-11	48	1-1/8	3/16	88028	6,000 - 12,500	12,500	10
6	5/8-11	56	1-1/8	3/16	88029	6,000 - 12,500	12,500	10
6-7/8	5/8-11	56	1-1/8	3/16	88032	4,500 - 9,000	9,000	10
Stainless Steel Wire (INOX)								
6	5/8-11	48	1-1/8	3/16	88041	5,000 - 12,500	12,500	10
6	5/8-11	56	1-1/8	3/16	88042	5,000 - 12,500	12,500	10
6-7/8	5/8-11	56	1-1/8	3/16	88044	3,500 - 9,000	9,000	10



Product Highlights:

- More aggressive brushing
- Longer brush life
- Superior rotational balance
- Faster stock removal
- Reduced operator fatigue
- Better surface finish

PFERD Specification Number

RBG CT

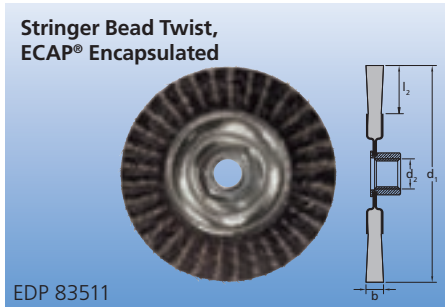


Diameter d_1 [Inches]	Thread Size d_2 [Inches]	No. of Knots	Trim Length l_2 [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number .020	Recom. Speed [RPM]	MSFS Max. [RPM]	
Carbon Steel Wire								
6	5/8-11	56	1-1/8	3/16	88050	6,000 - 12,500	12,500	10
6-7/8	5/8-11	56	1-1/8	3/16	88052	4,500 - 9,000	9,000	10

Adapter Inserts	Brush Thread [Inches]	Tool Spindle	EDP Number		Minigrinder Adapter Insert
5/8-11 UNC to M10 x 1.25	5/8-11	M10x1.25	84645 P	5/5	 EDP 84646
5/8-11 UNC to M10 x 1.5	5/8-11	M10x1.50	84646 P	5/5	
5/8-11 UNC to 3/8-24	5/8-11	3/8-24	84647 P	5/5	

Power Wire Brushes

Threaded Knot Wheel Brushes



Encapsulation material gradually wears away to consistently maintain a short trim length for more aggressive brushing and long service life. Elastomer provides precision control of contact area on workpiece.

Ordering Note

For additional information on ECAP® encapsulation, please see page 10.

Recommendation for Use

For optimal performance, use on angle grinders.

PFERD Specification Number

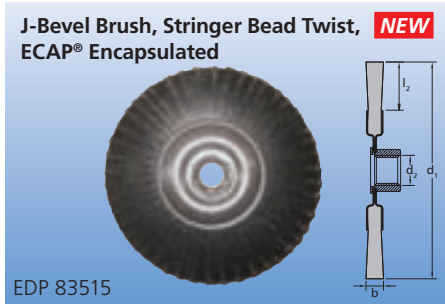
RBV



Diameter d ₁ [Inches]	Thread Size d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	ECAP® Grade	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
					.014	.020			
Carbon Steel - Crimped Wire									
6	5/8-11	1-1/16	3/16	E4	83507	-	4,500 - 9,000	9,000	10
7	5/8-11	1-9/16	3/16	E4	83509	-	4,500 - 9,000	9,000	10
7	5/8-11	1-9/16	3/16	E5	83517	-	4,500 - 9,000	9,000	10

Carbon Steel - Knot Wire

4	5/8-11	7/8	3/16	E4	-	83511	10,000 - 15,000	20,000	10
6-7/8	5/8-11	1-9/16	3/16	E4	-	83513	4,500 - 9,000	9,000	10



This 5" diameter encapsulated stringer bead wheel is ideal for cleaning welds and bevels created by automatic orbital welding equipment. Features extra-long 1-1/4" trim length, allowing the brush to reach into tight bevels used by automatic welders, even on heavy wall pipe.

Ordering Note

For additional information on ECAP® encapsulation, please see page 10.

Recommendation for Use

For use with automatic orbital welding equipment.

PFERD Specification Number

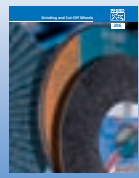
RBV



Automatic welding machine

Diameter d ₁ [Inches]	Thread Size d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	ECAP® Grade	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
					.014				
Carbon Steel Wire									
5	5/8-11	1-1/4	3/16	E4	83515		7,500 - 15,000	15,000	5

PFERD ADVANCE BRUSH products are engineered for optimal use in the pipeline industry. Please request our Pipeline Hand Tools catalogue for more information on this product line!



Please refer to catalogue 206 for detailed information and ordering data on PFERD reinforced grinding wheels for pipelines.



PFERD ADVANCE BRUSH cup brushes are available in a large variety of diameters and types including internal and external threads, crimped and knot wire types, and ECAP® encapsulation for aggressive brushing.

Our cup brushes are built with high quality components that are designed to perform in welding and industrial applications.

Cup and Bevel Brushes Features and Benefits

- Great cutting action and flexibility, excelling on large flat and curved surfaces.
- Crimped and knot bevel brushes for cleaning hard-to-reach areas.
- Double-row brushes (available in 4" and 6" OD) for extremely aggressive brushing.

Application Guidelines and Tips

- For optimal brushing action, tilt the brush between 15 and 30 degrees off of the work-piece surface.
- For use on vertical surfaces, the internal nut cup brushes will reduce operator fatigue.
- Manipulating the brush speed will drastically affect the filament flare.
- The tighter the knot, the more aggressive the brushing action. See page 10 for detailed information on various knot styles.
- For additional operating guidelines, please see page 13.

Knot Cup Brush - Single Row	Knot Cup Brush - Double Row	External Retaining Nut	Internal Retaining Nut
 <ul style="list-style-type: none"> ■ Lighter weight ■ Less aggressive ■ Hand-held applications ■ Less surface area covered ■ More brush flare 	 <ul style="list-style-type: none"> ■ Heavier weight ■ More aggressive ■ Automated applications ■ More surface area covered ■ Less brush flare 	 <ul style="list-style-type: none"> ■ Reduced chance for guard interference ■ Longer overall brush height ■ Easy to access with open end wrench ■ Available in all brush diameters 	 <ul style="list-style-type: none"> ■ Brush weight is closer to machine spindle therefore easier to handle ■ Shorter overall brush height ■ Easily accessible with socket wrench ■ Generally available on larger brush diameters

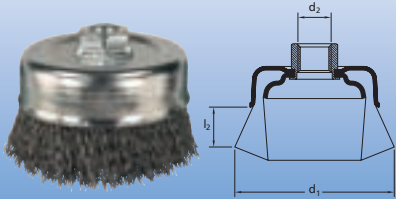


Power Wire Brushes

Crimped Cup Brushes



External Nut



EDP 82511

For light duty application and surface cleaning. Flat brushing, edge cleaning, and flash removal.

Recommended for use on portable power tools to remove paint, burrs, and corrosion.

Recommendation for Use

Suitable drive systems: stationary machines, and angle grinders. When using angle grinders, please observe permitted RPM limit.

PFERD Specification Number

TBU



Diameter d_1 [Inches]	Thread Size d_2	Trim Length l_2 [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
			.014	.020			

Carbon Steel

2-3/4	5/8-11	7/8	82243 P	-	7,000 - 14,000	14,000	5/5
2-3/4	1/2-13	7/8	82244 P	-	7,000 - 14,000	14,000	5/5
2-3/4	3/8-24	7/8	82245	-	7,000 - 14,000	14,000	5
2-3/4	M10x1.50	7/8	82246 P	-	7,000 - 14,000	14,000	5/5
2-3/4	M10x1.25	7/8	82247 P	-	7,000 - 14,000	14,000	5/5
2-3/4	M14x2.0	7/8	82248	-	7,000 - 14,000	14,000	5
3-1/2	5/8-11	7/8	82249 P	82255	6,000 - 12,500	12,500	1/5
3-1/2	M10x1.50	7/8	82252	-	6,000 - 12,500	12,500	1
4	5/8-11	1-1/4	82510 P	82511 P	4,500 - 9,000	9,000	1/2
5	5/8-11	1-1/4	82514	82515 P	4,000 - 8,000	8,000	1/2
6	5/8-11	1-3/8	82516 P	82517 P	3,000 - 6,000	6,000	1/2

Stainless Steel

2-3/4	5/8-11	7/8	82353 P	-	5,500 - 14,000	14,000	5/5
2-3/4	M14x2.0	7/8	82358	-	5,500 - 14,000	14,000	5
3-1/2	5/8-11	7/8	82359	82365	5,000 - 12,500	12,500	1
4	5/8-11	1-1/4	-	82635	3,500 - 9,000	9,000	1
5	5/8-11	1-1/4	-	82637	3,000 - 8,000	8,000	1
6	5/8-11	1-3/8	-	82638	2,000 - 6,000	6,000	1

External Nut ECAP® Encapsulated Cup



EDP 83564

Encapsulated cups offer more productive cleaning action due to the short trim effect of encapsulation. Used for removing weld slags and scale in pipeline fabrication.

Ordering Note

For additional information on ECAP® encapsulation, please see page 10.

PFERD Specification Number

TBV

Mini Cup, External Nut, ECAP® Encapsulated



EDP 83559

Diameter d_1 [Inches]	Thread Size d_2	Trim Length l_2 [Inches]	ECAP® Grade	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
				.014	.020			

Carbon Steel Wire

3-1/2	5/8-11	7/8	E3	83559	-	4,000 - 10,000	10,000	1
4	5/8-11	1-1/8	E3	-	83564	3,500 - 7,000	7,000	1
4	5/8-11	1-1/8	E4	-	83570	3,500 - 7,000	7,000	1
6	5/8-11	1-1/4	E3	-	83566	3,000 - 6,000	6,000	1
6	5/8-11	1-1/4	E4	-	83571	3,000 - 6,000	6,000	1
6	5/8-11	1-1/4	E5	-	83574	3,000 - 6,000	6,000	1



For use on large surfaces where a great deal of roughing is required. Good for corners and angles, and removal of contaminants such as scale, concrete, slag, and marine growth.

Recommendation for Use

Suitable drive systems: stationary machines, and angle grinders. When using angle grinders, please observe permitted RPM limit of the brush.

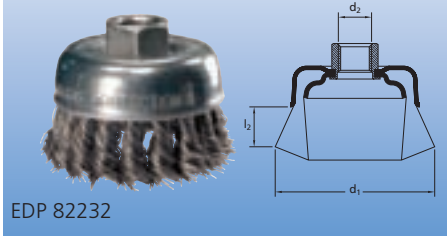
Ordering Note

Please see page 66 for thread adapters.

PFERD Specification Number

TBG

External Nut, Single Row, Standard Twist



EDP 82232

Diameter d ₁ [Inches]	Thread Size d ₂	No. of Knots	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
				.014	.020	.023	.035			
Carbon Steel Wire										
2-3/4	5/8-11	18	7/8	82219 P	82220 P	-	-	7,000 - 14,000	14,000	5/5
2-3/4	1/2-13	18	7/8	82221	82222 P	-	-	7,000 - 14,000	14,000	5/5
2-3/4	3/8-24	18	7/8	82223	82224	-	-	7,000 - 14,000	14,000	5
2-3/4	M10x1.50	18	7/8	82225	82226 P	-	-	7,000 - 14,000	14,000	5/5
2-3/4	M10x1.25	18	7/8	82227	82228 P	-	-	7,000 - 14,000	14,000	5/5
2-3/4	M14x2.0	18	7/8	82229	82230 P	-	-	7,000 - 14,000	14,000	5/5
3-1/2	5/8-11	20	7/8	82231 P	82232 P	-	-	6,000 - 12,500	12,500	1/2
3-1/2	1/2-13	20	7/8	-	82234	-	-	6,000 - 12,500	12,500	1
3-1/2	3/8-24	20	7/8	-	82236 P	-	-	6,000 - 12,500	12,500	1/2
3-1/2	M10x1.25	20	7/8	-	82240 P	-	-	6,000 - 12,500	12,500	1/2
4	5/8-11	24	1-1/4	82522 P	-	82523 P	82524	4,500 - 9,000	9,000	1/2
5	5/8-11	30	1-3/8	82528	-	82529	-	3,500 - 7,000	7,000	1
6	5/8-11	36	1-1/2	82530	-	82531 P	82532	3,000 - 6,000	6,000	1/2
Stainless Steel Wire (INOX)										
2-3/4	5/8-11	18	7/8	82329 P	82330 P	-	-	5,500 - 14,000	14,000	5/5
2-3/4	1/2-13	18	7/8	82331	82332	-	-	5,500 - 14,000	14,000	5
2-3/4	3/8-24	18	7/8	82333	82334	-	-	5,500 - 14,000	14,000	5
2-3/4	M10x1.50	18	7/8	-	82336	-	-	5,500 - 14,000	14,000	5
2-3/4	M10x1.25	18	7/8	-	82338	-	-	5,500 - 14,000	14,000	5
2-3/4	M14x2.0	18	7/8	82339	-	-	-	5,500 - 14,000	14,000	5
3-1/2	5/8-11	20	7/8	-	82342 P	-	-	5,000 - 12,500	12,500	1/2
3-1/2	1/2-13	20	7/8	-	82344	-	-	5,000 - 12,500	12,500	1
4	5/8-11	24	1-1/4	82647	-	82648	-	3,500 - 9,000	9,000	1
5	5/8-11	30	1-3/8	82651	-	82652	-	2,500 - 7,000	7,000	1
6	5/8-11	36	1-1/2	82653	-	82654	-	2,000 - 6,000	6,000	1
Brass Wire										
3-1/2	5/8-11	20	7/8	82368	-	-	-	5,000 - 12,000	12,500	1



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the EDP number.

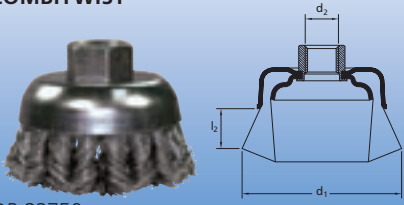
The minimum order quantity of POP items is printed in "blue" accordingly.

Power Wire Brushes

Knot Cup Brushes



External Nut, Single Row, COMBITWIST®



EDP 82750

Product Highlights:

- More aggressive brushing
- Longer brush life
- Superior rotational balance
- Faster stock removal
- Reduced operator fatigue
- Better surface finish

PFERD Specification Number
TBG CT

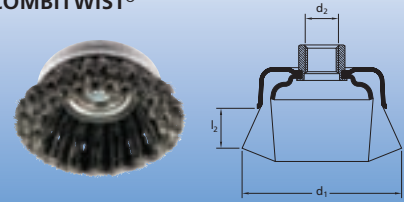


Diameter d ₁ [Inches]	Thread Size d ₂	No. of Knots	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
				.014	.020	.023	.035			
Carbon Steel Wire										
2-3/4	5/8-11	18	7/8	82750 P	82751 P	-	-	7,000 - 14,000	14,000	5/5
3-1/2	5/8-11	20	7/8	82401	82402	-	-	6,000 - 12,500	12,500	1
4	5/8-11	24	1-1/4	82716	-	82717	82718	4,500 - 9,000	9,000	1
4	M14x2.0	24	1-1/4	-	-	82720	-	4,500 - 9,000	9,000	1
5	5/8-11	30	1-3/8	82722	-	82723	-	3,500 - 7,000	7,000	1
6	5/8-11	36	1-1/2	-	-	82725	82726	3,000 - 6,000	6,000	1

Stainless Steel Wire (INOX)

2-3/4	5/8-11	18	7/8	82855 P	82856	-	-	5,500 - 14,000	14,000	5/5
3-1/2	5/8-11	20	7/8	82430	82431	-	-	4,000 - 9,000	12,500	5
4	5/8-11	24	1-1/4	82789	-	82790	-	3,500 - 9,000	9,000	5
5	5/8-11	30	1-3/8	82793	-	82794	-	2,500 - 7,000	7,000	5
6	5/8-11	36	1-1/2	-	-	82796	-	2,000 - 6,000	6,000	5

External Nut, Double Row, COMBITWIST®



EDP 82557

Choose these double row knot cups for the most severe applications. Very aggressive, high impact brushing action. Optimal removal rates and service life.

Product Highlights:

- More aggressive brushing
- Longer brush life
- Superior rotational balance
- Faster stock removal
- Reduced operator fatigue
- Better surface finish

PFERD Specification Number
TBG CT



Diameter d ₁ [Inches]	Thread Size d ₂	No. of Knots	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	
				.014	.023	.035			
Carbon Steel Wire									
4	5/8-11	48	1-3/8	82552	82553	-	3,500 - 7,000	7,000	1
6	5/8-11	66	1-1/2	82556	82557	82558	3,000 - 6,000	6,000	1
Stainless Steel Wire (INOX)									
4	5/8-11	48	1-3/8	-	82657	-	2,500 - 7,000	7,000	1
6	5/8-11	66	1-1/2	-	82659	-	2,000 - 6,000	6,000	1



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the EDP number.

The minimum order quantity of POP items is printed in "blue" accordingly.



Suitable for mounting on production equipment or angle grinders.

Used for deburring and surface cleaning.

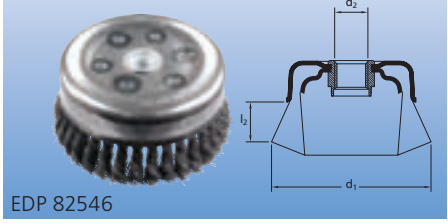
Recommendation for Use

Suitable drive systems: stationary machines, angle grinders. When using angle grinders, please observe permitted RPM limit of the brush.

PFERD Specification Number

TBG

Internal Nut, Single Row, Standard Twist



EDP 82546

Diameter d ₁ [Inches]	Thread Size d ₂	No. of Knots	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
				.014	.020	.023				
Carbon Steel										
3-1/2	5/8-11	20	1-3/8	82537	82538	-		6,000 - 12,500	12,500	1
4	5/8-11	24	1-1/2	82539	-	82540		3,500 - 7,000	7,000	1
4	M14x2.0	24	1-1/2	-	-	82542		3,500 - 7,000	7,000	1
5	5/8-11	30	1-1/2	82543	-	82544		3,500 - 7,000	7,000	1
6	5/8-11	36	1-5/8	82545 P	-	82546 P		3,000 - 6,000	6,000	1/2



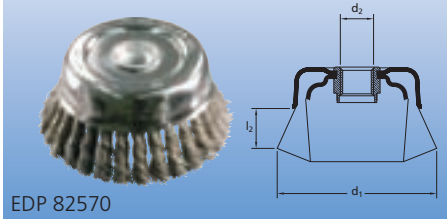
Designed for the most aggressive brushing action on large, rough surfaces where heavy removal is desired.

Solid construction is beneficial in removing surface contaminants such as weld scale, concrete, and slag.

PFERD Specification Number

TBG

Internal Nut, Single Row, Full Cable Twist



EDP 82570

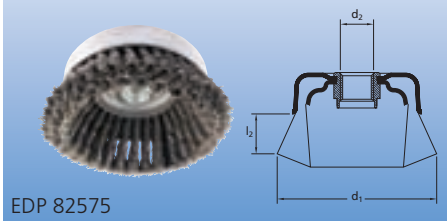
Diameter d ₁ [Inches]	Thread Size d ₂	No. of Knots	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
				.014	.020	.023	.035			
Carbon Steel Wire										
4	5/8-11	24	1-3/8	-	82567	82568	82569	3,500 - 7,000	7,000	1
5	5/8-11	30	1-3/8	-	-	82570	-	3,000 - 6,000	6,000	1
6	5/8-11	36	1-1/2	-	-	82571	82572	3,000 - 6,000	6,000	1
Stainless Steel Wire (INOX)										
4	5/8-11	24	1-3/8	82663	82664	-	-	2,500 - 7,000	7,000	1

High-impact full cable twist cup brush with two rows of knots. Achieves the most aggressive brushing action with longest service life.

PFERD Specification Number

TBG

Internal Nut, Double Row, Full Cable Twist



EDP 82575

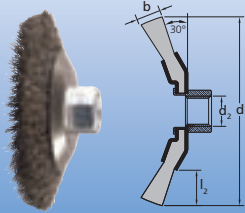
Diameter d ₁ [Inches]	Thread Size d ₂	No. of Knots	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	
				.020	.023	.035			
Carbon Steel Wire									
4	5/8-11	48	1-3/8	82573	-	-	3,500 - 7,000	7,000	1
6	5/8-11	66	1-1/2	-	82574	82575	3,000 - 6,000	6,000	1

Power Wire Brushes

Crimped and Knot Bevel Cup Brushes



Crimped Wire



EDP 82213

Crimped wire bevel brushes are less aggressive than knot wire type for lighter-duty applications. Crimped wire is more flexible, and leaves a superior surface finish.

For weld cleaning, scale, rust, paint, adhesive and oxidation removal, cleaning, light deburring, and flash removal, especially on fillets, grooves and inside edges.

Recommendation for Use

Suitable drive systems: designed for use on angle grinders.

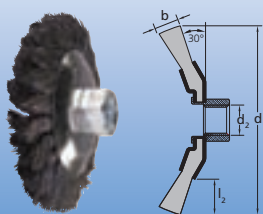


PFERD Specification Number

KBU

Diameter d ₁ [Inches]	Thread Size d ₂	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number	Recom. Speed [RPM]	MSFS Max. [RPM]	
				.014			
Carbon Steel Wire							
4	5/8-11	3/4	1/2	82213 P	6,000 - 12,500	12,500	5/5
Stainless Steel Wire (INOX)							
4	5/8-11	3/4	1/2	82370 P	5,000 - 12,500	12,500	5/5

Knot Wire



EDP 82202

Ideal for working in hard-to-reach areas. Knot wire provides a more aggressive brushing action than crimped wire. For deburring, weld scale removal, and edge blending of fillets, grooves and inside edges.

PFERD Specification Number

KBG



Diameter d ₁ [Inches]	Thread Size d ₂	No. of Knots	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number	Recom. Speed [RPM]	MSFS Max. [RPM]		
					.014	.020			
Carbon Steel Wire									
4	5/8-11	22	3/4	1/2	82201 P	82202 P	10,000 - 15,000	20,000	5/5
4-1/2	5/8-11	24	1	1/2	82500	82501	7,500 - 15,000	15,000	1
5	5/8-11	28	3/4	1/2	82504	82505	7,500 - 15,000	15,000	1
7	5/8-11	28	1-1/8	1/2	-	82509	5,000 - 10,000	10,000	1
Stainless Steel Wire (INOX)									
4	5/8-11	22	3/4	1/2	82317	82318	8,000 - 15,000	20,000	5
4-1/2	5/8-11	24	1	1/2	82625	82626	6,000 - 15,000	15,000	1
5	5/8-11	28	3/4	1/2	82629	-	6,000 - 15,000	15,000	1

Minigrinder Adapter Insert	Adapter Inserts	Brush Thread	Tool Spindle	EDP Number	
	5/8-11 UNC to M10 x 1.25	5/8-11	M10x1.25	84645 P	5/5
	5/8-11 UNC to M10 x 1.5	5/8-11	M10x1.50	84646 P	5/5
	5/8-11 UNC to 3/8-24	5/8-11	3/8-24	84647 P	5/5



The PFERD ADVANCE BRUSH range of stem-mounted products includes a wide variety of brushes for use in specialized applications, such as pilot bonding brushes, miniature brushes, and coil spring brushes.

Stem Mounted Brushes Features and Benefits

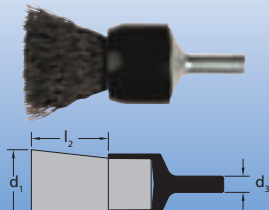
- Industrial-grade brushes recommended for use on high-speed power tools such as flexible shaft machines, straight grinders, and power drills.
- Uniform filament composition and density provides optimal balance and finish.
- A variety of stem-mounted brushes with M-BRAD™ abrasive filament is also available in the power non-wire section of this catalogue (page 61).
- SINGLETWIST® single-knot end brushes are ideal for working in tight corners and confined spaces.
- All stainless steel wire (INOX) end brushes are degreased.

Application Guidelines and Tips

- Please do not insert the entire stem of a brush into the chuck. Leave about 1/8" of the stem out of the chuck to ensure a proper grip.
- Manipulating the brush speed will drastically affect the filament flare.
- Straight cup knot end brushes flare less than flared cup versions.
- For optimal corrosion resistance when working on stainless steel (INOX), PFERD ADVANCE BRUSH stem-mounted end brushes with stainless steel filament include elastomer coatings on the cup.
- For additional operating guidelines, please see pages 13.

Stem Mounted End Brushes

Crimped Wire, Coated Cup



EDP 83054

General purpose for working hard-to-reach places. For use on portable air and electric tools. Used for rubber and plastic flash removal, paint and rust removal, die, mold and tool polishing. Coated cup version features elastomer sleeve to protect against contamination. Stainless steel end brushes are degreased during production.

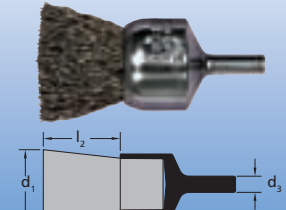
Recommendation for Use

Suitable drive systems: straight grinders, flexible shafts, power drills.

PFERD Specification Number

PBU

Crimped Wire



EDP 82975

Diameter d ₁ [Inches]	Shank Dia. d ₃ [Inches]	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
			.006	.008	.010	.014	.020			
Carbon Steel Wire										
1/2	1/4	1	82962	82963	82964	82965	82966 P	12,500 - 18,700	25,000	10/5
3/4	1/4	1	82967 P	82968	82969	82970	82971 P	11,000 - 16,500	22,000	10/5
1	1/4	1	82972 P	82973	82974 P	82975 P	82976 P	10,000 - 15,000	20,000	10/5
Stainless Steel Wire (INOX)										
1/2	1/4	1	82981	82982	82983	82984	82985	10,000 - 16,000	25,000	10
3/4	1/4	1	82986 P	82987	82988 P	82989	82990	8,500 - 14,000	22,000	10/5
1	1/4	1	82991 P	82992	82993 P	82994	82995	8,000 - 13,000	20,000	10/5
Stainless Steel Wire (INOX) - Coated Cup										
1/2	1/4	1	83050	83051	83052	-	-	10,000 - 16,000	25,000	10
3/4	1/4	1	83053	83054	83055	-	-	8,500 - 14,000	22,000	10
1	1/4	1	83056	-	83058	-	-	8,000 - 13,000	20,000	10



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the EDP number.

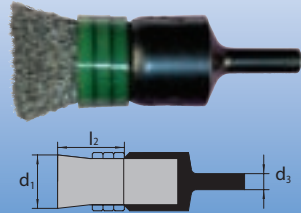
The minimum order quantity of POP items is printed in "blue" accordingly.

Power Wire Brushes

Stem Mounted End Brushes



Crimped Wire, Bridled



EDP 83029

Bridle reduces wire filament flare and increases aggressiveness of brushing action.

Ordering Note

Trim length is 5/8" with ring, 1" without ring for all bridled crimped end brushes.

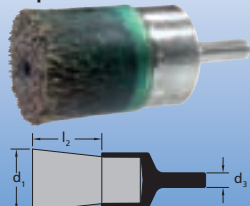
PFERD Specification Number

PBU



Diameter d_1 [Inches]	Shank Dia. d_3 [Inches]	Trim Length l_2 [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
			.006	.008	.010	.014	.020			
Carbon Steel Wire										
1/2	1/4	5/8, 1	83005	83006	83007	83008	83009	7,500 - 11,200	15,000	10
3/4	1/4	5/8, 1	83010	-	83012	83013	-	7,500 - 11,200	15,000	10
1	1/4	5/8, 1	83015	83016	83017	83018	83019	7,500 - 11,200	15,000	10
Stainless Steel Wire (INOX)										
1/2	1/4	5/8, 1	83024	83025	83026	-	-	6,000 - 10,000	15,000	10
3/4	1/4	5/8, 1	83027	83028	83029	-	-	6,000 - 10,000	15,000	10
1	1/4	5/8, 1	83030	83031	83032	-	-	6,000 - 10,000	15,000	10

Crimped Wire, Hollow Centre, ECAP® Encapsulated



EDP 83596

Encapsulation provides excellent tip control, reduced flare, and aggressive brushing action.

Ordering Note

For additional information on ECAP® encapsulation, please see page 10.

Recommendation for Use

Suitable drive systems: straight grinders, flexible shafts.

PFERD Specification Number

PBV



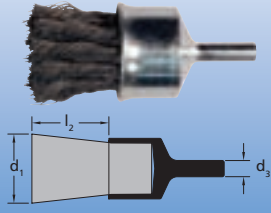
Diameter d_1 [Inches]	Shank Dia. d_3 [Inches]	Trim Length l_2 [Inches]	ECAP® Grade	Wire Diameter and EDP Number	Recom. Speed [RPM]	MSFS Max. [RPM]	
				.010			
Carbon Steel Wire							
1/2	1/4	7/8	E3	83580	9,000 - 13,500	18,000	10
3/4	1/4	7/8	E3	83583	7,500 - 11,200	15,000	10
3/4	1/4	7/8	E4	83595	7,500 - 11,200	15,000	10
1	1/4	7/8	E3	83586	6,500 - 10,000	13,000	10
1	1/4	7/8	E4	83596	6,500 - 10,000	13,000	10
Stainless Steel Wire (INOX)							
1/2	1/4	7/8	E3	83590	7,000 - 12,000	18,000	10
3/4	1/4	7/8	E3	83591	6,000 - 10,000	15,000	10



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the EDP number.

The minimum order quantity of POP items is printed in "blue" accordingly.

Knot, Flared Cup



EDP 83080

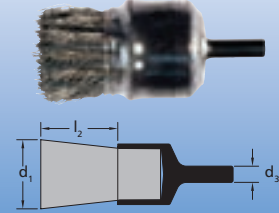
For heavy-duty and severe applications, recessed areas and corners such as weld and mold cleaning.

Recommendation for Use

Suitable drive systems: straight grinders, flexible shafts. The power source should preferably be of a variable-speed type to control fill expansion. Available with coated cup to prevent damage to workpiece from metal brush components.

PFERD Specification Number
PBG

Knot, Coated Flared Cup



EDP 83185

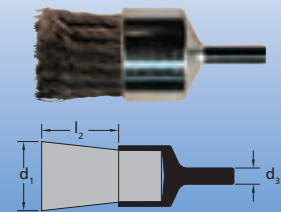
Diameter d ₁ [Inches]	Shank Dia. d ₃ [Inches]	Trim Length l ₂ [Inches]	No. of Knots	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
				.006	.010	.014	.020			
Carbon Steel Wire										
1/2	1/4	1	6	83063	83064	83065	-	10,000 - 15,000	20,000	10
3/4	1/4	1	8	83070	83071	83072 P	83073 P	10,000 - 15,000	20,000	10/5
1	1/4	1	12	83077	83078	83079 P	83080 P	10,000 - 15,000	20,000	10/5
Stainless Steel Wire (INOX)										
1/2	1/4	1	6	83085	83086	83087	-	8,000 - 13,000	20,000	10
3/4	1/4	1	8	83090	83091	83092 P	83093	8,000 - 13,000	20,000	10/5
1	1/4	1	12	83096	83097	83098 P	83099	8,000 - 13,000	20,000	10/5
Stainless Steel Wire (INOX) - Coated Cup										
3/4	1/4	1	8	83178	83179	83180	-	8,000 - 13,000	20,000	10
1	1/4	1	12	83182	83183	83184	83185	8,000 - 13,000	20,000	10
Brass Wire										
1	1/4	1	12	-	-	83104	83105	8,000 - 13,000	20,000	10



Straight cup reduces knot flare, making this brush ideal for reaching into holes and confined areas.

PFERD Specification Number
PBG

Knot, Straight Cup



EDP 83138

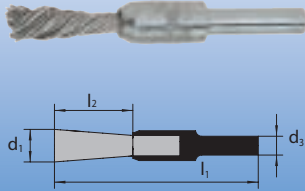
Diameter d ₁ [Inches]	Shank Dia. d ₃ [Inches]	Trim Length l ₂ [Inches]	No. of Knots	Wire Diameter and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
				.006	.010	.014	.020			
Carbon Steel Wire										
1/2	1/4	1-1/8	6	83123	83124	83125	-	10,000 - 15,000	20,000	10
3/4	1/4	1-1/8	8	-	83131	83132	83133	10,000 - 15,000	20,000	10
1	1/4	1-1/8	12	-	83138 P	83139	83140	10,000 - 15,000	20,000	10/5
Stainless Steel Wire (INOX)										
1/2	1/4	1-1/8	6	-	83146	83147	-	8,000 - 13,000	20,000	10
3/4	1/4	1-1/8	8	-	83151	83152	83153	8,000 - 13,000	20,000	10
1	1/4	1-1/8	12	-	83157	83158	83159	8,000 - 13,000	20,000	10
Brass Wire										
1	1/4	1	12	-	-	83164	83165	8,000 - 13,000	20,000	10

Power Wire Brushes

Stem Mounted End Brushes



Knot, SINGLETWIST®



EDP 83109

SINGLETWIST® end brushes are produced with a single, twisted wire knot, designed especially for brushing internal corners and edges where access is limited. Wire filament is with a left handed twist of the brush rotation, which prevents the knots from unravelling during use. The strength of the knotted wire allows adequate pressure to be applied to quickly remove rust, scale, corrosion, etc. with ease from these formerly troublesome areas.



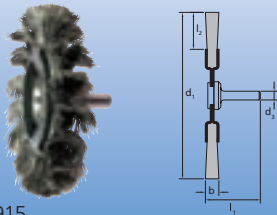
The stainless steel version includes a coated cup that prevents the workpiece from being scratched or marked.

PFERD Specification Number
PBGS

Diameter d_1 [Inches]	Shank Dia. d_3 [Inches]	Trim Length l_2 [Inches]	Overall Length l_1 [Inches]	Wire Diameter and EDP Number			Recom. Speed [RPM]		MSFS Max. [RPM]	
				.006	.014	.020	Open Areas	Confined Areas		
Carbon Steel Wire										
1/4	1/4	1-1/8	2-3/4	83107 P	83108 P	83109 P	2,500 - 8,000	3,500 - 10,000	20,000	10/5
Stainless Steel Wire (INOX)										
1/4	1/4	1-1/8	2-3/4	83283 P	83284 P	83285 P	2,500 - 8,000	3,500 - 10,000	20,000	10/5

Stem Mounted Wheels

Knot Wire, Standard Twist



EDP 82915

More aggressive brushing action than crimped wire for faster removal. For deburring, cleaning, rust removal, and weld seam conditioning.

Recommendation for Use
Suitable drive systems: straight grinders, flexible shafts, power drills.

PFERD Specification Number
RBG



Diameter d_1 [Inches]	Stem Dia. d_3	No. of Knots	Trim Length l_2 [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	
					.012	.014	.020			
Carbon Steel Wire										
3	1/4	18	3/4	7/16	82915	82916	82917	12,500 - 18,700	25,000	10
3-1/4	1/4	20	3/4	1/2	-	82946	82947	12,500 - 18,700	25,000	10
4	1/4	22	3/4	5/8	82918	82919	82920	12,500 - 18,700	25,000	10
Stainless Steel Wire (INOX)										
3	1/4	18	3/4	7/16	-	82921	-	10,000 - 16,000	25,000	10
3-1/4	1/4	20	3/4	1/2	-	82948	-	10,000 - 16,000	25,000	10
4	1/4	22	3/4	5/8	-	82922	-	10,000 - 16,000	25,000	10



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the EDP number.

The minimum order quantity of POP items is printed in "blue" accordingly.



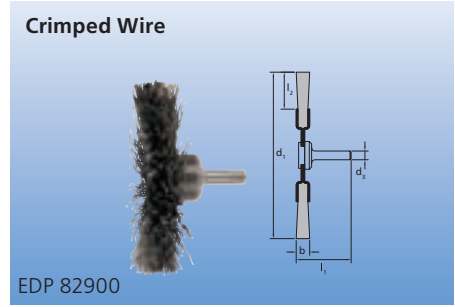
Crimped brushes provide lighter brushing action and superior finish when cleaning, removing rust and paint, smoothing, cleaning fettling from cast seams, light deburring.

Recommendation for Use

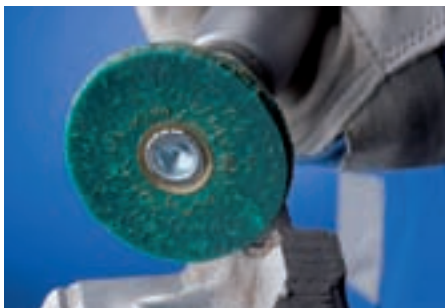
Suitable drive systems: straight grinders, flexible shafts, power drills.

PFERD Specification Number

RBV



Diameter d ₁ [Inches]	Stem Dia. d ₃ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
				.006	.008	.012	.014	.020			
Carbon Steel Wire											
1-1/2	1/4	7/16	1/4	82890	82891	82892	-	82889	10,000 - 15,000	20,000	10
2	1/4	1/2	3/8	-	82893	82894	-	-	10,000 - 15,000	20,000	10
2	1/4	1/2	5/8	-	82902	-	-	-	10,000 - 15,000	20,000	10
2-1/2	1/4	3/4	1/2	-	82895	-	82896	-	10,000 - 15,000	20,000	10
3	1/4	3/4	5/8	-	-	82903	-	-	10,000 - 15,000	20,000	10
3	1/4	1	5/8	82897	82898	82899	82900	82901	10,000 - 15,000	20,000	10
Stainless Steel Wire (INOX)											
1-1/2	1/4	7/16	1/4	82905	-	82906	-	-	8,000 - 13,000	20,000	10
2	1/4	1/2	3/8	-	82907	82908	-	-	8,000 - 13,000	20,000	10
2	1/4	1/2	5/8	-	82951	-	-	-	8,000 - 13,000	20,000	10
2-1/2	1/4	3/4	1/2	-	82909	82910	-	-	8,000 - 13,000	20,000	10
3	1/4	3/4	5/8	-	-	82952	-	-	8,000 - 13,000	20,000	10
3	1/4	1	5/8	82911	82912	-	82913	-	8,000 - 13,000	20,000	10
Brass Wire											
2	1/4	1/2	5/8	-	82953	-	-	-	8,000 - 13,000	20,000	10
3	1/4	3/4	5/8	-	-	82954	-	-	8,000 - 13,000	20,000	10
3	1/4	1	5/8	-	-	-	82914	-	8,000 - 13,000	20,000	10



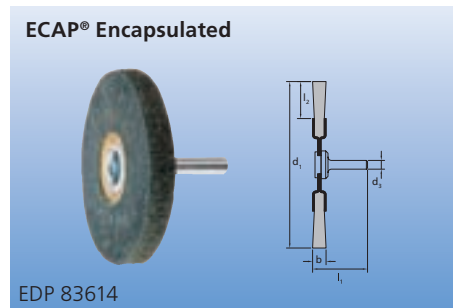
Encapsulated for maximum brushing action.

Ordering Note

For additional information on ECAP® encapsulation, please see page 10.

PFERD Specification Number

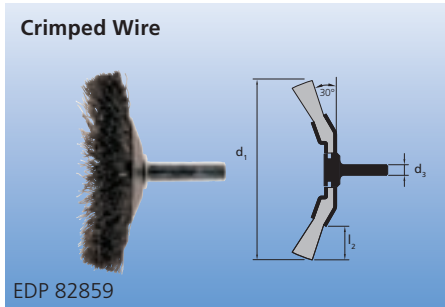
RBV



Diameter d ₁ [Inches]	Stem Dia. d ₃ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	ECAP® Grade	Wire Diameter and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	
					.008	.010	.012			
Carbon Steel Wire										
2	1/4	1/2	1/4	E3	-	83612	-	10,000 - 15,000	20,000	10
3	1/4	1	1/4	E3	83613	-	83614	10,000 - 15,000	20,000	10

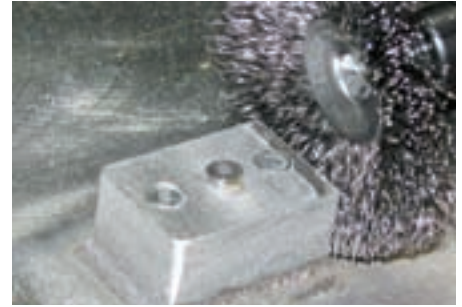
Power Wire Brushes

Stem Mounted Bevel Brushes



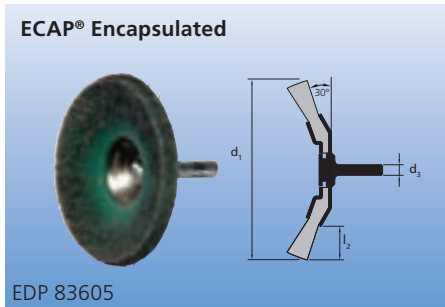
Concave shape provides effective side cleaning action and offers high flexibility to follow contours and intricate surface patterns. Use on inside edges, fillets and grooves without scoring bottom areas. Especially for light deburring, scale and rust removal, weld seam cleaning, etc.

PFERD Specification Number
KBU



Diameter d ₁ [Inches]	Stem Dia. d ₃ [Inches]	Trim Length l ₂ [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
			.006	.008	.012	.014	.020			
Carbon Steel Wire										
1-1/2	1/4	5/16	82850	82851	82852 P	-	-	10,000 - 15,000	20,000	10/5
2	1/4	7/16	-	82854	-	82878 P	82879	10,000 - 15,000	20,000	10/5
2-1/2	1/4	11/16	82857	-	-	82859	82860	10,000 - 15,000	20,000	10
3	1/4	7/8	82861	82862	-	82863 P	82864	10,000 - 15,000	20,000	10/5
4	1/4	1-3/8	-	82866	-	82867	-	10,000 - 15,000	20,000	10

Stainless Steel Wire (INOX)										
1-1/2	1/4	5/16	82870	-	82871	-	-	8,000 - 13,000	20,000	10
2	1/4	7/16	-	-	-	82873	-	8,000 - 13,000	20,000	10
2-1/2	1/4	11/16	-	-	-	82875	-	8,000 - 13,000	20,000	10
3	1/4	7/8	82876	-	-	82877	-	8,000 - 13,000	20,000	10



Concave shape provides effective side cleaning action without scoring bottom areas. Encapsulated for maximum aggression.

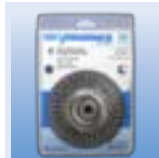
Ordering Note
For additional information on ECAP® encapsulation, please see page 10.

PFERD Specification Number
KBV



Diameter d ₁ [Inches]	Stem Dia. d ₃ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	ECAP® Grade	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]		
					.006	.010				
Carbon Steel Wire										
1-3/4	1/4	3/8	1/4	E3	83598	83599	10,000 - 15,000	20,000	10	
2	1/4	7/16	1/4	E3	-	83602	8,500 - 12,700	17,000	10	
2-3/4	1/4	3/4	1/4	E3	-	83605	7,000 - 10,500	14,000	10	

Stainless Steel Wire (INOX)										
1-3/4	1/4	3/8	1/4	E3	-	83608	8,000 - 13,000	20,000	10	
2	1/4	7/16	1/4	E3	-	83609	6,500 - 11,000	17,000	10	
2-3/4	1/4	3/4	1/4	E3	-	83610	5,500 - 9,000	14,000	10	



Brushes available in POP packaging are marked with a "P" in this catalogue. To order brushes in POP versions, please add a "P" to the end of the EDP number.

The minimum order quantity of POP items is printed in "blue" accordingly.



Designed for use on easily accessible, level surfaces. For weld and mold cleaning, light deburring, rust, paint and flash removal.

PFERD Specification Number
TBU

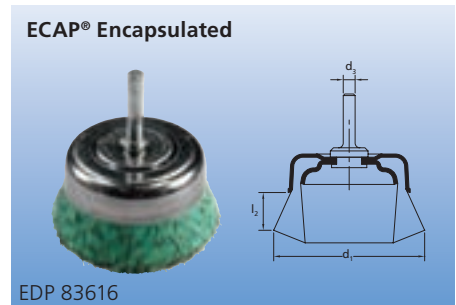


Diameter d_1 [Inches]	Stem Dia. d_3 [Inches]	Trim Length l_2 [Inches]	Wire Diameter and EDP Number						Recom. Speed [RPM]	MSFS Max. [RPM]	
			.006	.008	.010	.012	.014	.020			
Carbon Steel Wire											
1-1/4	1/4	1	-	-	-	-	82820	82821	6,500 - 10,000	13,000	10
1-3/4	1/4	11/16	82822	-	-	82823 P	-	-	6,500 - 10,000	13,000	10/5
2	1/4	7/8	-	82824	-	82826 P	-	-	6,500 - 10,000	13,000	10/5
2-3/4	1/4	7/8	-	82828	-	82830 P	-	-	6,500 - 10,000	13,000	10/5
Stainless Steel Wire (INOX)											
1-3/4	1/4	11/16	82835	-	-	82836	-	-	5,000 - 8,500	13,000	10
2	1/4	7/8	-	82837	82838	-	-	-	5,000 - 8,500	13,000	10

Encapsulated for maximum brushing action.

Ordering Note
For additional information on ECAP® encapsulation, please see page 10.

PFERD Specification Number
TBV



Diameter d_1 [Inches]	Stem Dia. d_3 [Inches]	Trim Length l_2 [Inches]	ECAP® Grade	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
				.010	.014			
Carbon Steel Wire								
2-1/2	1/4	3/4	E3	-	83616	6,500 - 10,000	13,000	10
Stainless Steel Wire (INOX)								
2-1/2	1/4	3/4	E3	83618	-	5,000 - 8,500	13,000	10



COMBIDISC® is a comprehensive range for surface machining. From rough stock removal and surface structuring right up to face-down mirror polishing, solutions can be found for the most complicated of machining problems.

The COMBIDISC® brush is perfectly suited for the removal of soft materials such as adhesive, underbody coatings and for cleaning contours and edges.

Please refer to catalogue 204 for detailed information and ordering data regarding COMBIDISC® brush.



Power Wire Brushes

Stem Mounted Miniature Brushes



Miniature Brush Set



EDP 82955

PFERD ADVANCE BRUSH stem-mounted miniature brushes are perfect for precision applications required in many industries including jewelry, electronics, medical and aerospace.

A wide selection of filaments includes: carbon steel wire, stainless steel wire (INOX) and brass wire, M-BRAD™ aluminum oxide impregnated nylon filament, and a variety of natural bristles.

All brushes are mounted on 1/8" stems, and are suitable for use with flexible shaft tools and straight grinders.

Contents (15 pc.)

1 each:

83213	83279
83212	83263
83202	83257
83231	83236
83221	83240
83223	83250
83272	83247
83273	

Miniature Brush Set	EDP Number	
15 Pieces (see above)	82955	1

Wire Filament



Precision miniature wheel brush in carbon steel, stainless steel, and brass, for cleaning and light deburring.

PFERD Specification Number

RBW



Brush Shape/Form	Diameter [Inches]	Stem Dia. [Inches]	Trim Length [Inches]	Face Width [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
					.003	.005			
Carbon Steel Wire									
Wheel	5/8	1/8	1/8	1/16	-	83200	5,000 - 15,000	25,000	36
Wheel	3/4	1/8	3/16	1/16	83201	83202	5,000 - 15,000	25,000	36
Wheel	1	1/8	1/4	1/16	83203	83204	5,000 - 15,000	25,000	36
Wheel	1-1/4	1/8	3/8	1/16	-	83205	5,000 - 15,000	25,000	36
Wheel	1-1/2	1/8	1/2	1/16	-	83206	5,000 - 15,000	25,000	36
Cup	9/16	1/8	1/4	-	83235	83236	5,000 - 15,000	25,000	36
End	3/16	1/8	5/16	-	83256	-	5,000 - 15,000	25,000	36
End	1/4	1/8	7/16	-	-	83257	5,000 - 15,000	25,000	36
End	5/16	1/8	1/2	-	-	83258	5,000 - 15,000	25,000	36
Stainless Steel Wire									
Wheel	5/8	1/8	1/8	1/16	-	83209	4,500 - 12,500	25,000	36
Wheel	3/4	1/8	3/16	1/16	-	83210	4,500 - 12,500	25,000	36
Wheel	1	1/8	1/4	1/16	83211	83212	4,500 - 12,500	25,000	36
Wheel	1-1/2	1/8	1/2	1/16	-	83213	4,500 - 12,500	25,000	36
Cup	9/16	1/8	1/4	-	-	83240	4,500 - 12,500	25,000	36
End	3/16	1/8	5/16	-	83261	-	4,500 - 12,500	25,000	36
End	1/4	1/8	7/16	-	-	83262	4,500 - 12,500	25,000	36
End	5/16	1/8	1/2	-	-	83263	4,500 - 12,500	25,000	36
Brass Wire									
Wheel	3/4	1/8	3/16	1/16	83216	-	3,000 - 10,000	25,000	36
Wheel	1	1/8	1/4	1/16	83217	83218	3,000 - 10,000	25,000	36
Cup	9/16	1/8	1/4	-	83243	-	3,000 - 10,000	25,000	36
End	3/16	1/8	5/16	-	83266	-	3,000 - 10,000	25,000	36
End	1/4	1/8	7/16	-	-	83267	3,000 - 10,000	25,000	36




Precision miniature nylon filament wheel brush impregnated with aluminum oxide, for deburring and finishing.

For additional information on M-BRAD™ abrasive nylon products, please see pages 10 and 53.

PFERD Specification Number
RBU




Brush Shape/Form	Diameter [Inches]	Stem Dia. [Inches]	Trim Length [Inches]	Face Width [Inches]	Grit Size and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
					600	1000			
M-BRAD™ Nylon Abrasive Filament - Aluminum Oxide Grain									
Wheel	3/4	1/8	3/16	1/16	83221	83222	1,200 - 4,000	6,000	36
Wheel	1	1/8	1/4	1/16	83223	83224	1,200 - 4,000	6,000	36
Wheel	1-1/4	1/8	3/8	1/16	83225	83226	1,200 - 4,000	6,000	36
Wheel	1-1/2	1/8	1/2	1/16	83227	83228	1,200 - 4,000	6,000	36
Cup	9/16	1/8	1/4	-	83247	-	1,200 - 4,000	6,000	36
End	3/16	1/8	5/16	-	83270	-	1,200 - 5,000	6,000	36
End	3/16	1/8	1/4	-	-	83271	1,200 - 5,000	6,000	36
End	1/4	1/8	7/16	-	83272	-	1,200 - 5,000	6,000	36
End	5/16	1/8	9/16	-	-	83273	1,200 - 5,000	6,000	36
End	5/16	1/8	1/2	-	83274	-	1,200 - 5,000	6,000	36



Precision miniature brush in soft and stiff natural bristle for light cleaning, and polishing. May be used with abrasive or polishing pastes.

PFERD Specification Number
RBU



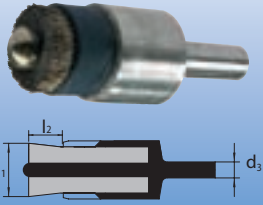
Brush Shape/Form	Diameter [Inches]	Stem Dia. [Inches]	Trim Length [Inches]	Face Width [Inches]	Grit Size and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
					600	1000			
Natural Bristle									
Wheel	3/4	1/8	3/16	1/16	83231	83232	5,000 - 10,000	25,000	36
Cup	9/16	1/8	1/4	-	83250	83252	5,000 - 10,000	25,000	36
End	3/16	1/8	5/16	-	83278	83281	5,000 - 10,000	25,000	36
End	1/4	1/8	7/16	-	83279	-	5,000 - 10,000	25,000	36

Power Wire Brushes

Stem Mounted Specialty Brushes



Pilot Bonding



EDP 83189

Essential for cleaning rivet holes in aircraft and aerospace industries.

Ordering Note

Trim length measured from ring.

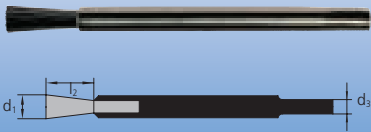
PFERD Specification Number

PBU



Diameter d_1 [Inches]	Shank Dia. d_3 [Inches]	Trim Length l_2 [Inches]	Wire Dia.	Pilot Hole Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
				3/32"	1/8"	5/32"	3/16"	1/4"			
Stainless Steel Wire (INOX)											
1/2	1/4	1/8	.004	83187	83188	83189	83190	83191	10,000 - 15,000	20,000	10

Pencil End



EDP 82941

Small brushes designed for cleaning blind holes and small crevices. Ideal for aircraft maintenance.

Recommendation for Use

The metal shank/tube of these brushes can be cut back to expose desired filament length.

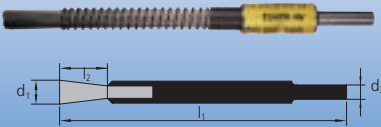
PFERD Specification Number

PBUL



Diameter d_1 [Inches]	Shank Dia. d_3 [Inches]	Trim Length l_2 [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
				.012			
Carbon Steel Wire							
3/16	1/4	3/8		82941	4,000 - 6,000	8,000	10
Stainless Steel Wire (INOX)							
3/16	1/4	3/8		82942	3,000 - 5,000	8,000	10

Coil Spring



EDP 82943

Flexible heavy cleaning action. Spring may be trimmed as brush wears. Ideal for cleaning deep cavities, tubing, and more.

Warning:

Do not run the coil spring brush free of contact with the workpiece. Insert it into the workpiece before turning on power. If run free, the brush may whip, break, and fly off tooling, endangering personnel in the area.

Ordering Note

Trim length measured from ring.

PFERD Specification Number

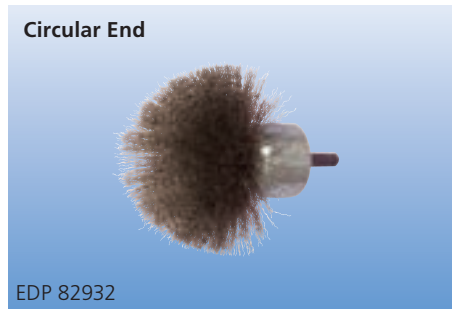
PBU

Diameter d_1 [Inches]	Shank Dia. d_3 [Inches]	Trim Length l_2 [Inches]	Overall Length l_1 [Inches]	Wire Diameter and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
					.014			
Carbon Steel Wire								
3/8	1/4	1	6-1/4		82943	700 - 1,000	1,800	10
1/2	1/4	1	6-1/4		82944	700 - 1,000	1,800	10




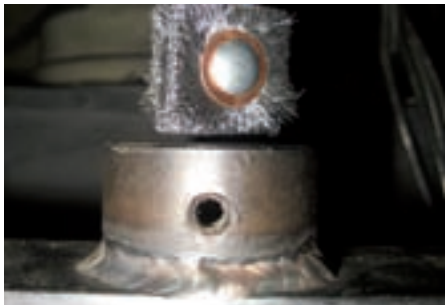
Conforms to contours of the workpiece providing a light deburring action. Used for cleaning rubber and plastic molds, light removal of flashing, carbon, rust and paint.

PFERD Specification Number
PBU



EDP 82932

Diameter [Inches]	Shank Dia. [Inches]	Wire Diameter and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
		.006	.008	.010	.014	.020			
Carbon Steel Wire									
1-1/4	1/4	82925	82926	-	-	-	10,000 - 15,000	20,000	10
1-1/2	1/4	-	82927	-	-	82928	7,000 - 10,500	14,000	10
2	1/4	-	-	82929	82930	-	7,000 - 10,500	14,000	10
3	1/4	82931	82932	-	82933	82934	7,000 - 10,500	14,000	10
4	1/4	-	82949	-	-	-	7,000 - 10,500	14,000	10
Stainless Steel Wire (INOX)									
1-1/2	1/4	-	82935	-	-	-	5,500 - 9,000	14,000	10
2	1/4	-	-	82936	-	-	5,500 - 9,000	14,000	10
3	1/4	-	82938	-	-	-	5,500 - 9,000	14,000	10




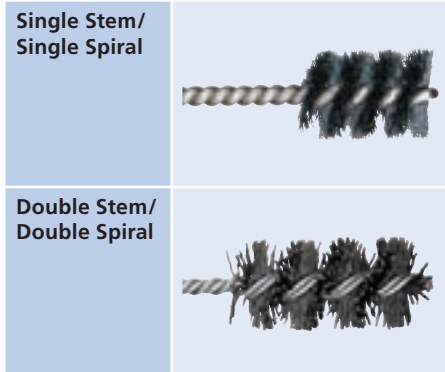
Square-trimmed wire brushes, used for cleaning internal surfaces. Mount in drill press or portable tool.

PFERD Specification Number
IBU



EDP 82883

Diameter [Inches]	Shank Dia. [Inches]	Square Trim Length [Inches]	Face Width [Inches]	Overall Length [Inches]	Wire Diameter and EDP Number	Recom. Speed [RPM]	MSFS Max. [RPM]	
					.006			
Carbon Steel Wire								
1	1/4	3/8	3/8	3-5/8	82880	2,000 - 3,000	4,500	10
1-1/16	1/4	13/32	3/8	3-5/8	82881	2,000 - 3,000	4,500	10
1-1/4	1/4	1/2	1/2	3-3/4	82882	2,000 - 3,000	4,500	10
1-1/2	1/4	9/16	1/2	4	82883	2,000 - 3,000	4,500	10
1-7/8	1/4	13/16	1/2	4-1/8	82884	2,000 - 3,000	4,500	10



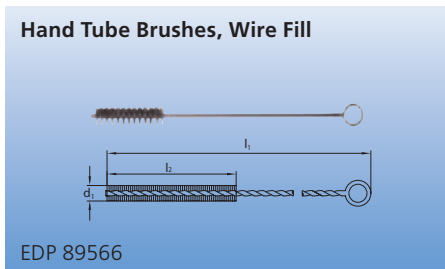
PFERD ADVANCE BRUSH offers a complete line of tube brushes designed for use in drill presses and power tools for internal cleaning. Power tube brushes are available in a variety of diameters, shapes, and filament materials.

Tube Brush Features and Benefits

- Designed and manufactured with an interference fit.
- Tube brushes are available in single-stem/single spiral construction with more wire points, and double-stem/double-spiral construction for better lateral filament support.
- Loop end of tube brush handle can be cut off for use in power tool.

Application Guidelines

- Recommended operating speed is between 500 and 2,500 RPM.
- To ensure a safe working environment, spin the brush up to operating speed while the tip of the brush is already inserted into the workpiece.
- When cleaning threads, run the brush in the same direction as the threads to prolong brush life.



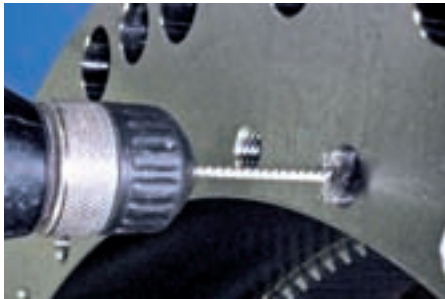
Wire tube and spout brushes are used for internal cleaning in industrial, dairy and laboratory applications.

PFERD Specification Number IBU



Diameter d_1 [Inches]	Stem Dia. d_3 [Inches]	Brush Part Length l_2 [Inches]	Overall Length l_1 [Inches]	Wire Diameter and EDP Number				
				.003	.005	.006	.008	
Carbon Steel Wire								
3/16	.09	1-1/2	7	89560	89561	-	-	12
1/4	.12	1-1/2	7	-	89562	-	-	12
1/4	.12	1-1/2	8	-	-	89564	-	12
3/8	.12	1-1/2	8	-	-	89565	-	12
1/2	.17	2	8	-	89563	89566	89567	12
Stainless Steel Wire (INOX)								
3/16	.09	1-1/2	7	-	-	89568	-	12
1/4	.12	1-1/2	8	-	-	89569	-	12
3/8	.12	1-1/2	8	-	-	89570	-	12
1/2	.17	2	8	-	-	89571	-	12

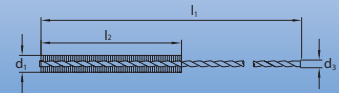





Single stem, single spiral, light duty power tube brush for round, eccentric and rectangular holes. Achieves optimal performance when fully chucked in drill presses and collet-equipped portable tools. Flexible brushing action conforms well to threads and contours. Features a stainless steel stem for strength and stiffness.

PFERD Specification Number
IBU

SpyraKleen, Single Stem, Single Spiral



EDP 83367

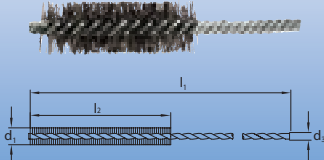
Diameter d ₁ [Inches]	Stem Dia. d ₃ [Inches]	Brush Part Length l ₂ [Inches]	Overall Length l ₁ [Inches]	Wire Diameter and EDP Number					
				.004	.005	.006	.008	.010	
Carbon Steel Wire									
1/4	1/8	1	3-1/2	83350	83351	-	-	-	36
5/16	1/8	1	3-1/2	-	83352	-	-	-	36
3/8	1/8	1	3-1/2	83353	83354	-	83356	-	36
7/16	1/8	1	3-1/2	-	83357	-	-	-	36
1/2	5/32	1	3-1/2	-	83358	-	-	-	36
9/16	5/32	1	3-1/2	-	83359	-	-	-	36
5/8	5/32	1	3-1/2	-	83360	-	83361	-	36
11/16	5/32	1	3-1/2	-	83362	-	-	-	36
3/4	1/4	1	3-1/2	-	83363	83364	-	-	36
13/16	1/4	1	3-1/2	-	83366	-	-	-	36
7/8	1/4	1	3-1/2	-	83367	-	-	-	36
1	1/4	1	3-1/2	-	83371	-	83372	-	36
1-1/8	1/4	1	3-1/2	-	83373	-	83374	-	36
1-1/4	1/4	1	3-1/2	-	83375	-	83376	-	36
1-1/2	1/4	1	3-1/2	-	-	-	83377	83378	36
2-1/4	1/4	1	3-1/2	-	-	-	83379	-	36
Stainless Steel Wire (INOX)									
1/4	1/8	1	3-1/2	83386	83387	-	-	-	36
3/8	1/8	1	3-1/2	83388	83389	-	83390	-	36
7/16	1/8	1	3-1/2	-	83391	-	-	-	36
1/2	5/32	1	3-1/2	-	83392	-	-	-	36
9/16	5/32	1	3-1/2	-	83393	-	-	-	36
5/8	5/32	1	3-1/2	-	83395	-	-	-	36
11/16	5/32	1	3-1/2	-	83396	-	-	-	36
3/4	1/4	1	3-1/2	-	83397	83398	-	-	36
13/16	1/4	1	3-1/2	-	83399	-	-	-	36
7/8	1/4	1	3-1/2	-	83400	-	-	-	36
1	1/4	1	3-1/2	-	83402	-	83403	-	36
1-1/8	1/4	1	3-1/2	-	83404	-	83405	-	36
1-1/4	1/4	1	3-1/2	-	83406	-	83407	-	36
Brass Wire									
1/4	1/8	1	3-1/2	83411	-	-	-	-	36
3/8	1/8	1	3-1/2	83412	-	-	-	-	36
1/2	5/32	1	3-1/2	-	83413	-	-	-	36
5/8	5/32	1	3-1/2	-	83414	-	-	-	36
3/4	1/4	1	3-1/2	-	-	83415	-	-	36
1	1/4	1	3-1/2	-	-	-	83417	-	36
1-1/8	1/4	1	3-1/2	-	-	-	83418	-	36

Power Wire Brushes

Tube Brushes



SpyraKleen, Double Stem, Double Spiral



EDP 83437

Double stem, double spiral power tube brushes for heavy-duty cleaning and deburring of I.D.'s: Threads, pipes, holes, keyways, etc. Heavy-duty construction offers long service life and most effective brushing action. Achieves optimal performance when fully chucked in drill presses and collet-equipped portable tools.

PFERD Specification Number
IBU



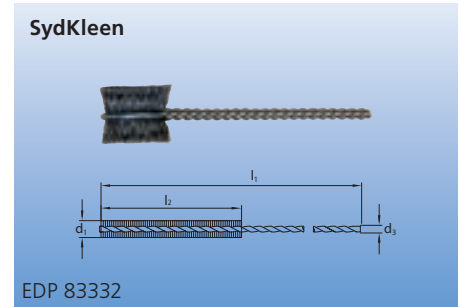
Diameter d ₁ [Inches]	Stem Dia. d ₃ [Inches]	Brush Part Length l ₂ [Inches]	Overall Length l ₁ [Inches]	Wire Diameter and EDP Number								
				.003	.004	.005	.006	.008	.010	.014		
Carbon Steel Wire												
1/4	1/8	2	6	-	-	-	83420	-	-	-	10	
3/8	1/8	2	6	83421	-	-	83422	-	-	-	10	
1/2	5/32	2	6	-	83423	-	83424	-	83425	-	10	
5/8	5/32	2	6	-	-	83426	-	83427	83428	-	10	
3/4	1/4	2-1/2	5-1/2	-	-	-	83430	83431	83432	-	10	
7/8	1/4	2-1/2	5-1/2	-	-	-	83434	-	83435	-	10	
1	1/4	2-1/2	5-1/2	-	-	-	83436	-	83437	-	10	
1-1/4	1/4	2-1/2	5-1/2	-	-	-	83438	-	83439	-	10	
Stainless Steel Wire (INOX)												
1/2	5/32	2	6	-	83440	-	83441	-	-	-	10	
5/8	5/32	2	6	-	-	83442	-	83443	-	-	10	
3/4	1/4	2-1/2	5-1/2	-	-	-	83445	-	83446	-	10	
7/8	1/4	2-1/2	5-1/2	-	-	-	83447	-	83448	-	10	
1	1/4	2-1/2	5-1/2	-	-	-	83449	-	83450	-	10	
1-1/4	1/4	2-1/2	5-1/2	-	-	-	83451	-	83452	-	10	
1-1/2	1/4	2-1/2	5-1/2	-	-	-	-	-	-	83453	10	
Brass Wire												
3/8	1/8	2	6	-	-	83456	-	-	-	-	10	
1/2	5/32	2	6	-	-	83457	83458	-	-	-	10	
5/8	5/32	2	6	-	-	83459	-	83460	-	-	10	
3/4	1/4	2-1/2	5-1/2	-	-	-	83461	-	-	-	10	
7/8	1/4	2-1/2	5-1/2	-	-	-	83462	-	-	-	10	
1	1/4	2-1/2	5-1/2	-	-	-	83463	-	-	-	10	





Rectangular shape internal cleaning brush offering effective side-action brushing. Effective for cleaning odd-shaped holes, hard-to-reach interior surfaces, cleaning and deburring threads and bores. Removes chips, scale, dirt and burrs. Surface preparation tool for welding, soldering, or brazing.

PFERD Specification Number
IBU



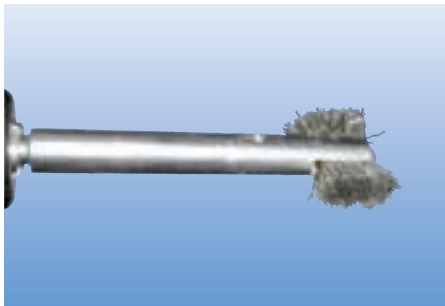
Diameter d ₁ [Inches]	Stem Dia. d ₃ [Inches]	Brush Part Length l ₂ [Inches]	Overall Length l ₁ [Inches]	Wire Diameter and EDP Number			
				.003	.005	.008	

Carbon Steel Wire

1/4	3/32	9/16	2-1/8	-	83301	-	36
5/16	3/32	9/16	2-1/8	83302	-	-	36
3/8	3/32	9/16	2-1/8	83303	83304	-	36
7/16	3/32	9/16	2-1/8	-	83307	-	36
1/2	3/32	5/8	2-1/4	-	83309	83310	36
5/8	1/8	5/8	2-1/4	-	83326	-	36
3/4	1/8	5/8	2-1/4	83327	83328	83329	36
1	1/8	5/8	2-1/4	-	-	83332	36
1-1/8	1/8	5/8	2-1/4	-	83333	-	36
1-1/4	1/8	5/8	2-1/4	-	-	83335	36

Stainless Steel Wire (INOX)

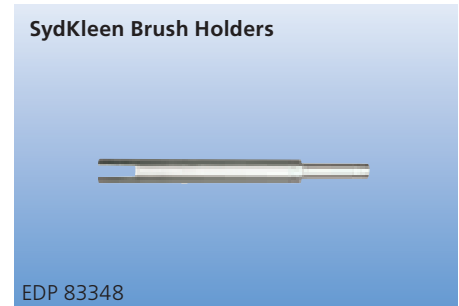
1/4	3/32	9/16	2-1/8	-	83316	-	36
3/8	3/32	9/16	2-1/8	-	83318	-	36
1/2	3/32	5/8	2-1/4	-	83319	-	36
5/8	1/8	5/8	2-1/4	-	83340	-	36
3/4	1/8	5/8	2-1/4	-	83341	-	36



For use with SydKleen brushes.

Holder allows brush to be run in both directions, extending tool life.

PFERD Specification Number
BO



Stem Diameter [Inches]	Shank Diameter [Inches]	Holder Diameter [Inches]	Overall Length [Inches]	EDP Number	
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Carbon Steel

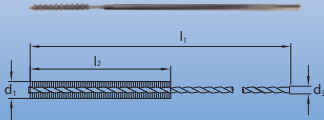
3/32	1/4	1/4	3-3/8	83348	1
1/8	1/4	3/8	3-3/8	83349	1

Power Wire Brushes

Tube Brushes



Valve Guide



EDP 83465

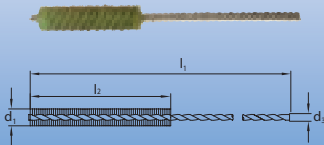
Single stem, single spiral tube brushes built to precision accuracy. Designed for use on drill presses and collet-equipped portable tools. Equipped with a knurled handle for hand use.

PFERD Specification Number
IBU



Diameter d_1 [Inches]	Stem Dia. d_3 [Inches]	Brush Part Length l_2 [Inches]	Overall Length l_1 [Inches]	Wire Diameter and EDP Number	
				.010	
Carbon Steel Wire					
1/4	1/4	2	10	83465	10
5/16	1/4	2	10	83466	10
11/32	1/4	2	10	83467	10
3/8	1/4	2	10	83468	10
7/16	1/4	2	10	83469	10
1/2	1/4	2	10	83470	10

ECAP® Encapsulated



EDP 83624

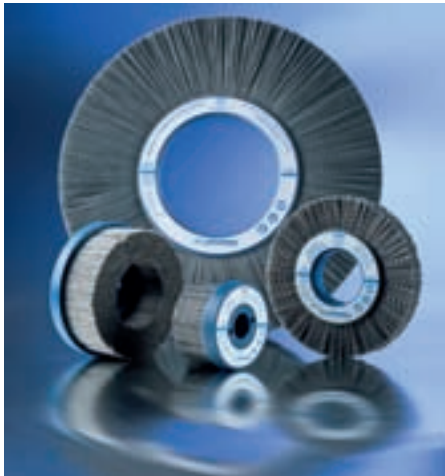
ECAP® encapsulated tube brush provides maximum service life and aggressive internal brushing action.

Ordering Note
For additional information on ECAP® encapsulation, please see page 10.

PFERD Specification Number
IBV



Diameter d_1 [Inches]	Stem Dia. d_3 [Inches]	Brush Part Length l_2 [Inches]	Overall Length l_1 [Inches]	ECAP® Grade	Wire Diameter and EDP Number	
					.006 .010	
Carbon Steel Wire						
1/2	5/32	2	5	E3	83621 -	10
5/8	7/32	2	5	E3	- 83622	10
3/4	1/4	2-1/2	5	E3	- 83623	10
7/8	1/4	2-1/2	5	E3	- 83624	10
1	1/4	2-1/2	5	E3	- 83625	10
Stainless Steel Wire (INOX)						
5/8	7/32	2	5	E3	- 83627	10



Power Non-Wire Brushes

Encompasses a broad range of M-BRAD™ Abrasive Filament Brushes, as well as Tampico and Nylon Wheel brushes. Please consult page 54 for very important information regarding power non-wire brushes.

For easier recognition the filament materials are colour-coded.

- M-BRAD™ Abrasive Filament – red**
- Nylon/Natural Bristle – brown**



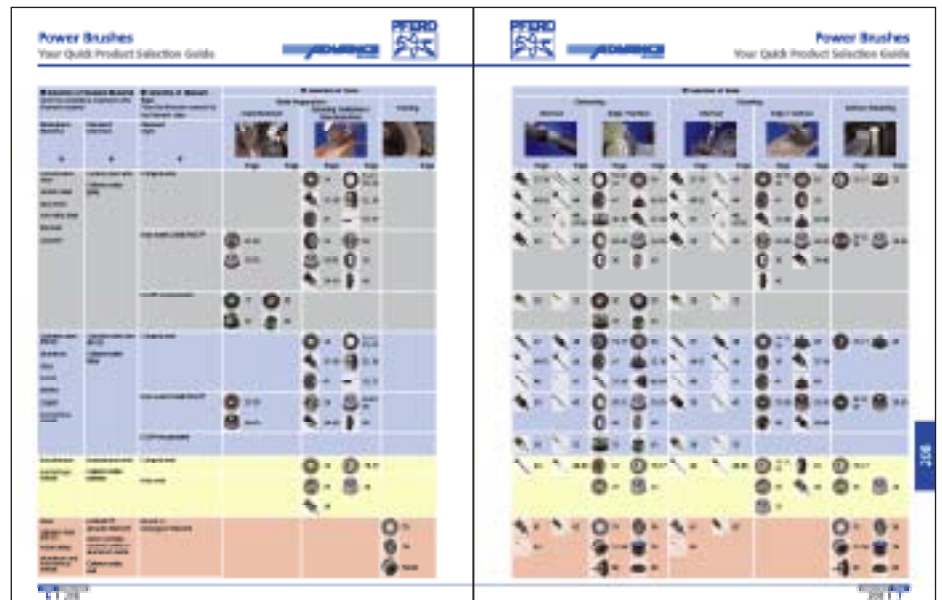
Unique M-BRAD™ Filaments

M-BRAD™ is a 6.12 nylon monofilament that evenly encapsulates various abrasive grit particles on the surface as well as throughout the nylon filament. The flexibility of strands flowing over, around and into contours makes it uniquely effective if deburring complex parts.

Consistent, gradual cutting action allows precise control. from cosmetic surface preparation on brass or soft aluminum to edge-blending on materials as tough as titanium and carbide.

M-BRAD™ brushes are ideal for surface conditioning applications on all materials including wood, glass, steel and nickel alloys.

Your quick product selection guide on page 6-7 will help you to find the right brush for your application.



Nylon/Natural Bristle

Nylon and tampico wheel brushes are a good choice for cleaning and polishing applications with or without compounds.

Features and Benefits

- PFERD ADVANCE BRUSH offers a full line of high fill density Composite Disc and Wheel brushes for more aggressive brushing
- M-BRAD™ filled brushes yield longer tool life than non-woven synthetic abrasive products
- Ceramic Oxide grain (CO) for very aggressive brushing.

These brushes are non abrasive and can be used effectively for light deburring applications on plastic and other delicate parts and can be used with or without coolant.

- This unique M-BRAD™ filament is suitable for both wet and dry applications, although the use of coolant is recommended.
- M-BRAD™ won't degrade the dimensions of the workpiece, which reduces scrap and fill welding



For information on processing aluminum workpieces with M-BRAD™ abrasive filament brushes, please see our Aluminum PRAXIS.

Brushing Equipment Considerations

Brush Size

- Select a brush that can safely fit your specific equipment.

Brush Adapters

- Various adapters and drive arbors are available to help secure brushes safely to machines (pg 65-66).

Application Parameters

Brush Speed

- As a good starting point have the brush run at about 3000 SFPM (consult SFPM table on pg 13).
- At higher speeds, WHEEL BRUSHES tend to group the filaments therefore making the brush more aggressive.
- At higher speeds, the filaments of disc brushes tend to flare, reducing the overall height of the brush therefore decreasing penetration depth and creating a less aggressive brushing action. It is recommended that the penetration depth be set while the brush is running at the intended operating speed.

Brush Penetration into Workpiece

- Due to the even distribution of abrasive grain throughout the filament a greater degree of interference is recommended when using M-BRAD™ brushes.
- A recommended starting depth or interference between brush and work piece should be .060".

Direction of Brush Rotation

- On parts with complex features it is recommended the brush be run in both clockwise and counterclockwise directions.
- The brush filament should approach the workpiece as perpendicularly as possible
- For deburring applications, the initial pass with the brush rotation should be opposite to the direction of the cutting tool rotation that created the burr.

Use of Coolant

- The use of coolant is strongly recommended in cases where the work piece is thin (less than ¼"), where excessive brush penetration is used (more than 1/8"), and in cases where poor thermal conducting materials are processed.
- The use of coolant will generate a better surface finish.
- Under certain application conditions M-BRAD™ brush filaments will begin to melt and create nylon "smear" (gray film on work piece).
- If Nylon Smear occurs, apply coolant immediately and continue running the brush normally. The cooler running brush will remove the smear.

Filament Selection

Abrasive Grain and Filament Selection

Grain Type

- For demanding deburring applications on steel, choose coarse, ceramic filled M-BRAD™ brushes
- For processing work pieces used in the nuclear or aerospace industries choose ceramic filled brushes.
- For deburring applications on aluminum parts, silicon carbide filled brushes are recommended

- For deburring and surface conditioning applications on plastic parts the best choice is nylon filled wheel brushes.

Filament Type

- For a more aggressive brushing effect, select a brush with a larger filament cross section (choose rectangular vs. round crimped filament)
- For a fine surface finish on a functional part use a small filament diameter brush

Operating Speeds For Wet and Dry M-BRAD™ Applications

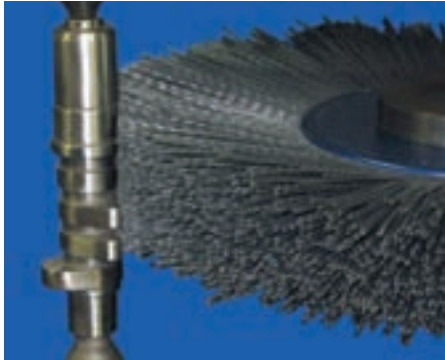


Wheel Dia.	Maximum Speed [RPM]	
	Dry Application	Wet Application
3	3,000	5,500
4	2,000	2,400
6	1,200	1,440
8	1,000	1,200
10	900	1,080
12	800	960
14	700	840

Disc Brush Dia.	Maximum Speed [RPM]	
	Dry Application	Wet Application
3	2,500	3,000
4	2,000	2,400
5	1,600	2,000
6	1,400	1,600
8	1,000	1,200
9	800	1,000
10	300	800

Problems and Solutions

Problem	Solution
Inadequate brushing action	<ul style="list-style-type: none"> ■ Increase brush RPM or use larger brush diameter at same RPM ■ Use brush with shorter trim ■ Select a brush with larger filament size ■ Select a brush with larger abrasive grain size ■ Change the orientation of the brush to the workpiece (brushing action should be perpendicular to the work piece edge) ■ Increase interference between brush and workpiece ■ Decrease coolant pressure onto brush/work piece ■ Decrease feed rate between brush and workpiece ■ Select a brush with ceramic vs silicon carbide filled grain
Excessively strong brushing action	<ul style="list-style-type: none"> ■ Reduce brush RPM, or use a smaller brush diameter at same RPM ■ Reduce contact pressure ■ Use brush with longer trim length ■ Use brush with finer abrasive grain size ■ Select a brush with thinner filament ■ Change the orientation of the brush to the workpiece (make less perpendicular)
Change in workpiece colour (due to heat or nylon smear)	<ul style="list-style-type: none"> ■ Reduce brush RPM ■ Use longer trim length brush running at the same speed ■ Use coolant ■ Use lighter density brush ■ Decrease brush penetration into workpiece
Irregular/coarse surface finish	<ul style="list-style-type: none"> ■ Use brush with wider brush face ■ Increase brush penetration ■ Use larger disc brush diameter ■ Use brush with smaller filament size ■ Use brush with smaller abrasive grain size ■ Make sure that work piece is completely covered by brush ■ Use brush with longer trim
Surface is too smooth	<ul style="list-style-type: none"> ■ Select brush with thicker filament ■ Use brush with shorter trim ■ Use brush with larger abrasive grain size ■ Reduce RPM



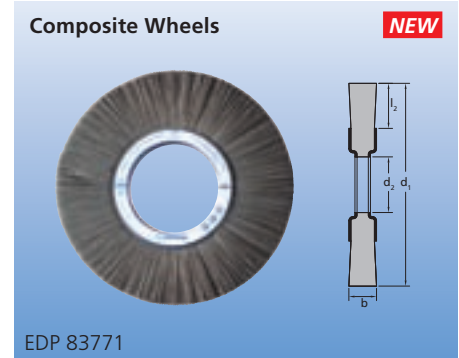
For deburring, honing, edge radiusing, light cleaning, and polishing. Available with Silicon Carbide or Ceramic Oxide grain.

Ordering Note

Please refer to pg 65 for drive arbor adapters.

PFERD Specification Number

RBU SIC



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Filament Dimensions, Grit Size and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
				Rectangular		Round Crimped						
				.045 x .090 80 Grit	.040 Dia. 80 Grit	.040 Dia. 120 Grit	.022 Dia. 120 Grit	.022 Dia. 320 Grit				
Silicon Carbide Grain												
6	2	1-1/4	1	83721	83720	83722	-	83723	900 - 1,500	3,600	C	1
8	2	1-1/4	1	83727	83726	83728	-	83729	900 - 1,500	3,600	C	1
8	2	2-1/4	1	83733	83732	83734	-	83735	900 - 1,500	3,600	C	1
10	2	1-1/2	1	83739	83738	83740	83742	83741	900 - 1,500	3,600	C	1
10	2	3-1/4	1	83745	83744	83746	-	83747	900 - 1,500	3,600	C	1
12	4-1/4	1-1/2	1	83751	83750	83752	-	83753	500 - 800	1,800	G	1
12	4-1/4	3	1	83757	83756	83758	-	83759	500 - 800	1,800	G	1
14	5-1/4	1-1/2	1	83763	83762	83764	-	83765	500 - 800	1,800	G	1
14	5-1/4	3-5/8	1	83769	83768	83770	-	83771	500 - 800	1,800	G	1

Ceramic Oxide Grain												
6	2	1-1/4	1	-	84165	-	-	-	900 - 1,500	3,600	C	1
8	2	1-1/4	1	-	84169	-	-	-	900 - 1,500	3,600	C	1
10	2	1-1/2	1	-	84173	-	-	-	500 - 800	1,800	C	1
12	4-1/4	1-1/2	1	-	84177	-	-	-	500 - 800	1,800	G	1
14	5-1/4	1-1/2	1	-	84181	-	-	-	500 - 800	1,800	G	1



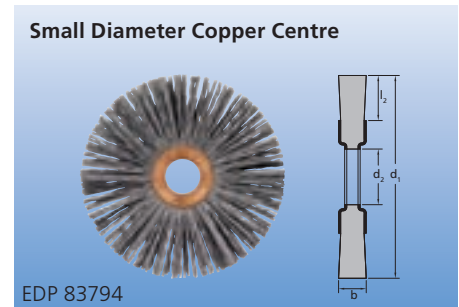
For use as a high-speed brush in small confined areas.

Ordering Note

See page 66 for information on drive arbors.

PFERD Specification Number

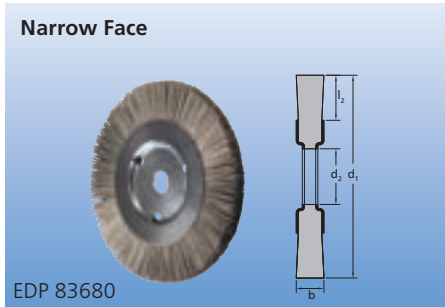
RBU SIC



Diameter d ₁ [Inches]	Arbor Hole d [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Filament Dimensions, Grit Size and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
				.040 Dia. 120 Grit	.035 Dia. 180 Grit	.022 Dia. 320 Grit	.018 Dia. 500 Grit				
Silicon Carbide Grain											
1-1/2	1/2, 3/8	7/16	3/8	-	83782	-	-	4,000 - 6,000	10,000	F	10
2	1/2, 3/8	1	5/8	83784	-	83785	83786	2,600 - 4,500	10,000	F	10
2-1/2	5/8	11/16	5/8	-	-	83792	-	3,000 - 5,000	10,000	F	10
3	1/2, 3/8	15/16	5/8	83793	83794	83795	-	3,000 - 5,000	10,000	F	10

Power Non-Wire Brushes

M-BRAD™ Abrasive Filament Wheel Brushes



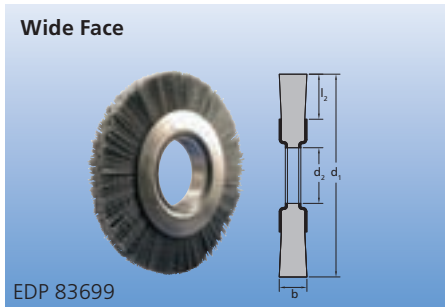
For deburring, edge radiusing, light cleaning, and polishing.

Ordering Note
See page 65 for listing of adapters.

PFERD Specification Number
RBU SiC



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Filament Dimensions, Grit Size and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
				.040 Dia. 80 Grit	.040 Dia. 120 Grit	.035 Dia. 180 Grit	.022 Dia. 320 Grit				
Silicon Carbide Grain											
3	1/2, 3/8	1/2	1/2	83670	-	83671	83672	3,000 - 5,000	10,000	D	10
4	5/8, 1/2	3/4	3/4	83680	83681	83682	83683	3,000 - 5,000	12,500	D	10



Wide face M-BRAD™ wheels contain more fill material than narrow face version, providing faster cycle times and more aggressive deburring.

Ordering Note
8" diameter wheels are supplied with adapter set K (EDP 84665). All 8" - 14" diameter wheels have a 2" arbor hole with 1/2" x 1/4" keyways.

See page 65 for listing of adapters.

PFERD Specification Number
RBU SiC



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Filament Dimensions, Grit Size and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
				.040 Dia. 80 Grit	.040 Dia. 120 Grit	.035 Dia. 180 Grit	.022 Dia. 120 Grit	.022 Dia. 320 Grit				
Silicon Carbide Grain												
3	5/8-12	5/8	7/8	83689	83690	83691	-	83692	1,500 - 2,000	5,000	D	1
4	5/8-12	7/8	3/4	83693	83694	83695	-	83696	3,000 - 5,000	12,000	D	1
6	2	1-1/8	7/8	83699	83700	83701	-	83702	1,500 - 2,500	6,000	C	1
8	2	1-1/2	1	83703	83704	83705	-	83706	1,200 - 2,000	4,500	C	1
10	2	1-7/8	1	83707	83708	83709	-	83710	900 - 1,500	3,600	C	1
12	2	2-7/8	1	83711	83712	83713	-	83714	700 - 1,300	3,000	C	1
14	2	2-5/8	1	83715	83716	83717	-	83718	600 - 1,000	2,400	C	1
Ceramic Oxide Grain												
4	5/8-12	7/8	3/4	84210	84211	-	84213	-	3,000 - 5,000	12,000	D	1



M-BRAD™ composite disc brushes are designed for aggressive deburring in CNC and robotic machines.

For deburring, honing, edge radiusing, light cleaning, and polishing.

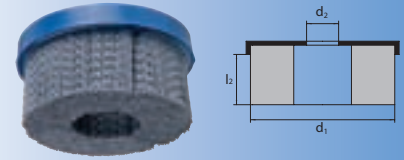
Ordering Note

See page 58 for information on drive arbors.

PFERD Specification Number

DBU

Composite Discs, High Density



EDP 84128

Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Filament Dimensions, Grit Size and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
			Rectangular .045 x .090 80 Grit	.040 Dia. 80 Grit	Round Crimped .040 Dia. 120 Grit		.022 Dia. 320 Grit			
Silicon Carbide Grain										
3	7/8	1-1/2	84121	84120	84122	84123	84125	1,200 - 2,000	4,500	1
4	7/8	1-1/2	84129	84128	84130	-	84131	900 - 1,500	3,500	1
5	7/8	1-1/2	84135	84134	84136	-	84137	700 - 1,300	3,000	1
6	7/8	1-1/2	84141	84140	84142	-	84143	600 - 1,200	2,500	1
8	7/8	1-1/2	84147	84146	84148	-	84149	500 - 800	1,800	1
9	7/8	1-1/2	83917	-	-	-	-	400 - 700	1,500	1
Ceramic Oxide Grain										
3	7/8	1-1/2	-	84231	84232	-	-	1,200 - 2,000	4,500	1
4	7/8	1-1/2	-	84236	84237	84238	-	900 - 1,500	3,500	1
5	7/8	1-1/2	-	84241	-	-	-	700 - 1,300	3,000	1
6	7/8	1-1/2	-	84246	-	-	-	600 - 1,200	2,500	1



Banded version reduces filament flare during use. The bridle increases brush aggressiveness for applications where larger burrs need attention.

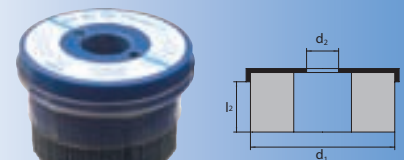
Ordering Note

See page 58 for information on drive arbors.

PFERD Specification Number

DBU

Composite Discs, High Density, Banded



EDP 83929

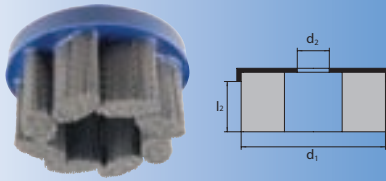
Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Filament Dimensions, Grit Size and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
			Rectangular .045 x .090 80 Grit	.040 Dia. 80 Grit	Round Crimped .040 Dia. 120 Grit				
Silicon Carbide Grain									
3	7/8	1-1/2	83929	83880	83881	83883	1,200 - 2,000	4,500	1
4	7/8	1-1/2	83933	83888	83889	83891	900 - 1,500	3,500	1

Power Non-Wire Brushes

NEW M-BRAD™ Abrasive Filament Disc Brushes



Composite Discs, Round Filament



EDP 83955

These M-BRAD™ composite disc brushes are ideal for automatic deburring applications where either magnetic conveyors are used, or where workpiece has a small cross section. Tufted style provides better air flow for cool grinding on heat sensitive materials, and reduced friction during the brushing process to keep small parts stationary on automatic applications using conveyors.

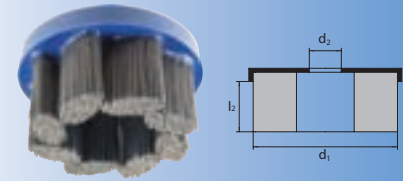
Rectangular filament M-BRAD™ composite disc brushes offer a more aggressive deburring action than round filament brushes.

Ordering Note

For information on drive arbors see table below.

PFERD Specification Number
DBU

Composite Discs, Rectangular Filament



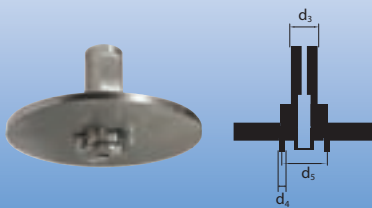
EDP 83972

Diameter d_1 [Inches]	Arbor Hole d_2 [Inches]	Trim Length l_2 [Inches]	Filament Dimensions, Grit Size and EDP Number						Recom. Speed [RPM]	MSFS Max. [RPM]	
			Rectangular		Round Crimped						
			.045 x .090 80 Grit	.045 x .090 120 Grit	.040 Dia. 80 Grit	.040 Dia. 120 Grit	.035 Dia. 180 Grit	.022 Dia. 320 Grit			

Silicon Carbide Grain

3	7/8	1-1/2	83966	83967	83941	83942	83943	83944	1,200 - 2,000	4,500	1
4	7/8	1-1/2	83968	83969	83945	83946	83947	83948	900 - 1,500	3,500	1
6	7/8	1-1/2	83970	83971	83949	83950	83951	83952	600 - 1,200	2,500	1
8	7/8	1-1/2	83972	83973	83953	83954	83955	83956	500 - 800	1,800	1
10	7/8	1-1/2	83974	83975	83957	83958	83959	83960	350 - 600	1,340	1

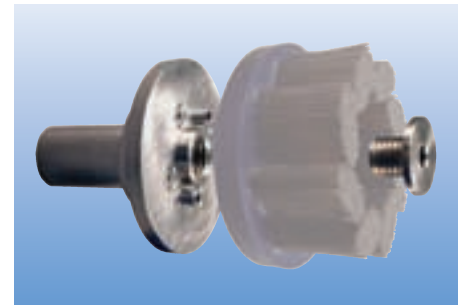
Drive Arbors



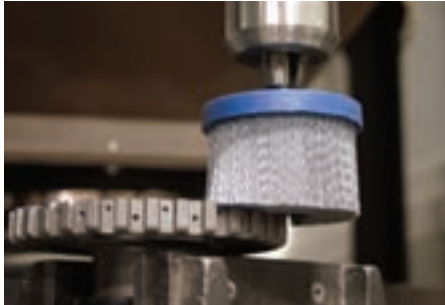
EDP 83978

These drive arbors are designed for mounting composite disc brushes on automatic deburring equipment.

PFERD Specification Number
BO



Shank Diameter d_3 [Inches]	Suitable for Brush Diameter [Inches]	No. of Drive Pins	Drive Pin Dia. d_4 [Inches]	Bolt Circle Dia. d_5 [Inches]	EDP Number	
3/4	3 - 4	2	1/4	1-1/4	83982	1
3/4	5 - 6	2	1/4	1-1/4	83983	1
3/4	7 - 8	3	1/4	3	83984	1
3/4	9 - 10	3	1/4	3	83985	1
1	3 - 4	2	1/4	1-1/4	83978	1
1	5 - 6	2	1/4	1-1/4	83979	1
1	7 - 8	3	1/4	3	83980	1
1	9 - 10	3	1/4	3	83981	1



Ideal for flat surfaces with numerous holes and low projections. Especially effective on aluminum, cast iron, brass, copper and hardened steels.

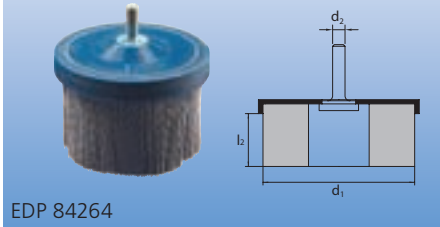
Recommendation for Use

Suitable for CNC and robotic machines.

PFERD Specification Number

DBU

Composite Mounted Discs



EDP 84264

Diameter d_1 [Inches]	Stem Dia. d_2 [Inches]	Trim Length l_2 [Inches]	Filament Dimensions, Grit Size and EDP Number					Recom. Speed [RPM]	MSFS Max. [RPM]	
			Rectangular .045 x .090 80 Grit	.040 Dia. 80 Grit	Round Crimped		.022 Dia. 320 Grit			
Silicon Carbide Grain										
2	1/4	1-1/2	84250	84251	84252	84253	84254	1,500 - 3,500	5,000	1
2-1/2	1/4	1-1/2	84255	84256	84257	-	84259	1,500 - 3,500	5,000	1
3	1/4	1-1/2	84260	84261	84262	-	84264	1,500 - 3,500	5,000	1
Ceramic Oxide Grain										
2	1/4	1-1/2	-	84270	84271	-	-	1,500 - 3,500	5,000	1
2-1/2	1/4	1-1/2	-	84275	-	84279	-	1,500 - 3,500	5,000	1
3	1/4	1-1/2	-	84280	84281	-	-	1,500 - 3,500	5,000	1

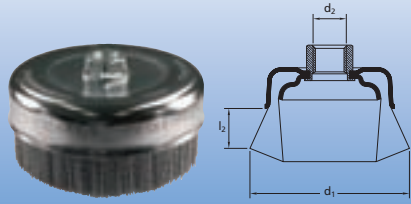


Power Non-Wire Brushes

M-BRAD™ Abrasive Filament Cup Brushes



Cup Brushes



EDP 83821

Designed for use on hand-held right-angle tools or stationary machine spindles. Ideal for flat surfaces with numerous holes and low projections. Cup brushes are especially effective on aluminum, cast iron, brass, copper and hardened steels.

Recommendation for Use

Suitable drive systems: stationary machines, variable speed angle grinders.

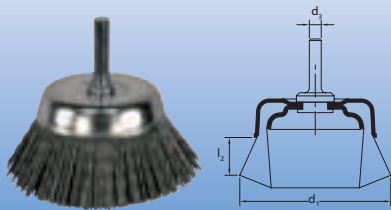
PFERD Specification Number

TBU SiC



Diameter d_1 [Inches]	Thread Size d_2	Trim Length l_2 [Inches]	Filament Dimensions, Grit Size and EDP Number				Recom. Speed [RPM]	MSFS Max. [RPM]	
			.040 Dia. 80 Grit	.040 Dia. 120 Grit	.035 Dia. 180 Grit	.022 Dia. 320 Grit			
Silicon Carbide Grain									
3-1/2	5/8-11	1-1/2	-	83810	83811	-	3,000 - 5,000	12,000	1
4	5/8-11	1-1/2	83813	83814	83815	83817	1,500 - 2,500	6,000	1
6	5/8-11	1-1/2	83821	83822	83823	83825	1,500 - 2,000	5,000	1

Mounted Cup Brushes



EDP 83832

Cup brushes are especially effective on aluminum, cast iron, brass, copper and hardened steels.

Recommendation for Use

Suitable drive systems: straight grinders, flexible shafts, power drills.

PFERD Specification Number

TBU SiC

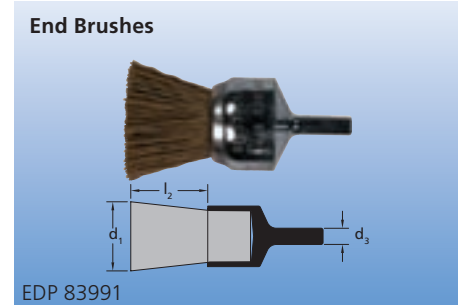


Diameter d_1 [Inches]	Stem Dia. d_2 [Inches]	Trim Length l_2 [Inches]	Filament Dimensions, Grit Size and EDP Number		Recom. Speed [RPM]	MSFS Max. [RPM]	
			.040 Dia. 120 Grit	.035 Dia. 180 Grit			
Silicon Carbide Grain							
2-3/4	1/4	1-1/4	83829	83830	1,500 - 2,000	5,000	1
3	1/4	1	-	83832	1,500 - 2,000	5,000	1

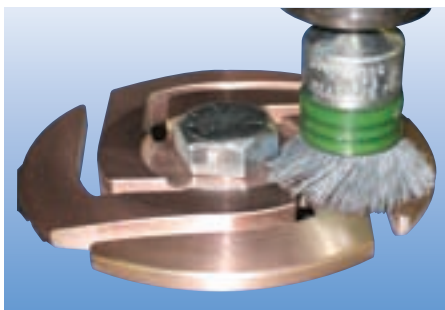


End brushes eliminate burrs left by chamfer drills or cutting tools. Use for cleaning and deburring bottoms and insides of mold cavities, bore holes and irregular small areas.

PFERD Specification Number
PBU

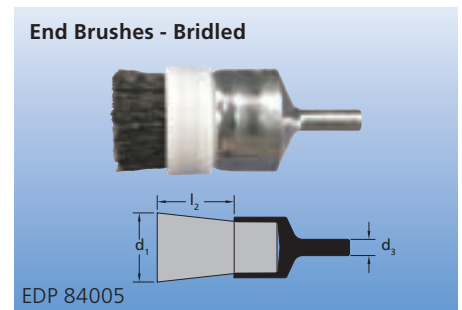


Diameter d_1 [Inches]	Stem Dia. d_2 [Inches]	Trim Length l_2 [Inches]	Filament Dimensions, Grit Size and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	
			.040 Dia. 120 Grit	.035 Dia. 180 Grit	.022 Dia. 320 Grit			
Silicon Carbide Grain								
1/2	1/4	1	83986	83987	83988	5,200 - 9,000	20,000	10
3/4	1/4	1	83989	83990	83991	5,200 - 9,000	20,000	10
1	1/4	1	83992	83993	83994	5,200 - 9,000	20,000	10



Plastic bridles reduce trim length, increasing aggressiveness and reducing flare.

PFERD Specification Number
PBU



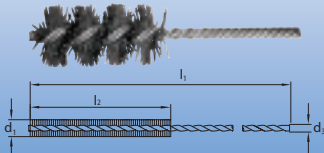
Diameter d_1 [Inches]	Stem Dia. d_2 [Inches]	Trim Length l_2 [Inches]	Filament Dimensions, Grit Size and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]		
			.040 Dia. 80 Grit	.040 Dia. 120 Grit	.035 Dia. 180 Grit				.022 Dia. 120 Grit
Silicon Carbide Grain									
1/2	1/4	1	-	83996	83997	-	5,200 - 9,000	20,000	10
3/4	1/4	1	-	84000	-	-	5,200 - 9,000	20,000	10
1	1/4	1	-	84004	84005	-	5,200 - 9,000	20,000	10
Ceramic Oxide Grain									
1	1/4	1	84310	84311	-	84313	5,200 - 9,000	20,000	10

Power Non-Wire Brushes

M-BRAD™ Abrasive Filament Tube Brushes



Double Stem, Double Spiral



EDP 84040

Cutting action is non-destructive to the part and will not alter bore dimensions or disturb delicate surface finishes. Recommended for conditioning internal bore holes or tubes as well as cleaning threads and burrs at cross-holes. Side action removes cross-holes sharp edges and corners, as well as slivers produced when drilling close-tolerance hard metallic and non-metallic parts.



PFERD Specification Number
PBU SiC

Diameter d ₁ [Inches]	Stem Dia. d ₂ [Inches]	Brush Part Length l ₂ [Inches]	Overall Length l ₁ [Inches]	Filament Dimensions, Grit Size and EDP Number			
				.040 Dia. 80 Grit	.040 Dia. 120 Grit	.022 Dia. 320 Grit	
Silicon Carbide Grain							
1/4	5/32	2	5	-	-	84011	10
5/16	5/32	2	5	-	-	84012	10
3/8	5/32	2	5	-	-	84013	10
7/16	5/32	2	5	-	-	84014	10
1/2	3/16	2	5	-	-	84018	10
9/16	7/32	2	5	-	-	84019	10
5/8	7/32	2	5	-	-	84022	10
11/16	7/32	2	5	-	-	84023	10
3/4	1/4	2-1/2	5-1/2	84024	84025	84027	10
13/16	1/4	2-1/2	5-1/2	84028	84029	84031	10
7/8	1/4	2-1/2	5-1/2	84032	84033	84035	10
15/16	1/4	2-1/2	5-1/2	84036	84037	84039	10
1	1/4	2-1/2	5-1/2	84040	84041	84043	10
1-1/8	1/4	2-1/2	5-1/2	84044	84045	84048	10
1-1/4	1/4	2-1/2	5-1/2	84049	84050	84053	10
1-1/2	1/4	2-1/2	5-1/2	84054	84055	84057	10
1-3/4	1/4	2-1/2	5-1/2	84059	84060	84062	10
2	1/4	2-1/2	5-1/2	84063	84064	84066	10





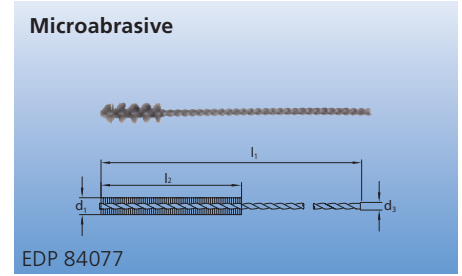
Power Non-Wire Brushes


M-BRAD™ Abrasive Filament Tube Brushes



Effective cleaning action removes sharp cross-hole burrs, metal sliver residues and sharp corners that result from drilling close-tolerance hard metallic and non-metallic parts. Cleaning and very light deburring will not alter critical dimensions or hole geometry.

PFERD Specification Number
PBU



Diameter d_1 [Inches]	Stem Dia. d_3 [Inches]	Brush Part Length l_2 [Inches]	Overall Length l_1 [Inches]	For Hole Diameters			EDP Number	
				[Inches]	[Decimal]	[mm]		
500 Grit Aluminum Silicate Filament								
.030	.015	1/2	4	1/32	0.031	0.787	84071	10
.050	.022	1/2	4	3/64	0.047	1.191	84072	10
.075	.033	3/4	4	1/16	0.063	1.588	84073	10
.090	.041	3/4	4	5/64	0.078	1.984	84074	10
.105	.041	1	4	3/32	0.094	2.381	84075	10
.125	.064	1	4	7/64	0.109	2.778	84076	10
.135	.075	1	4	1/8	0.125	3.175	84077	10
600 Grit Aluminum Oxide Filament								
.165	.087	1	5	5/32	0.156	3.962	84078	10
.190	.087	1	5	3/16	0.188	4.763	84079	10
.260	.115	1	5	1/4	0.250	6.350	84080	10
.325	.115	1	5	5/16	0.313	7.938	84081	10
.385	.147	1	5	3/8	0.375	9.525	84082	10
.515	.168	1	5	1/2	0.500	12.700	84083	10
.640	.168	1	5	5/8	0.625	15.870	84084	10



Power Non-Wire Brushes

Tampico and Nylon Wheel Brushes



Tampico Wheels, Untreated



EDP 84327

Tampico natural fibre provides highly effective dry or wet cleaning and refining of surfaces, with or without compounds. It is also highly effective for dusting, cleaning, finishing, removing burrs, tool marks, excess stain in woodworking, and many other applications where a gradual, highly-controllable surface cleaning action is desirable.

Ordering Note

For drive arbors and adapters, please refer to page 65-66.

PFERD Specification Number

RBU



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Keyway Dimensions [Inches]	EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
						Untreated Tampico Filament						
Small Diameter Copper Centre Wheels												
2	1/4	11/16	1/8	7/32	-	84319			5,200 - 9,000	20,000	-	10
3	1/2	1	1/2	5/16	-	84321			5,200 - 9,000	20,000	F	10
Narrow Face Wheels												
6	1-1/4	1-1/2	5/8	7/16	1/4 x 1/8	84324			1,500 - 2,500	6,000	A	1
8	1-1/4	1-5/8	5/8	5/8	1/4 x 1/8	84327			1,200 - 2,000	4,500	A	1
10	1-1/4	2-3/8	7/8	1/2	1/4 x 1/8	84330			1,000 - 2,000	4,250	A	1
12	1-1/4	3-3/8	1	11/16	1/4 x 1/8	84332			900 - 1,500	3,600	A	1
14	1-1/4	4-3/8	5/8	11/16	1/4 x 1/8	84333			700 - 1,300	3,000	A	1
16	1-1/4	3-7/8	3/4	3/4	1/4 x 1/8	84335			600 - 1,000	2,400	A	1

Nylon Filament Wheels



EDP 84342

Type 6.6 nylon filament for scrubbing and brushing contaminants from surfaces and low-abrasion cleaning. Excellent for light cleaning action with solution-dependent applications. These brushes may be used individually or gang-mounted to any desired width. Highly abrasion resistant, highly chemical resistant, also heat stabilized.

Ordering Note


For drive arbors and adapters, please refer to page 65-66.

PFERD Specification Number

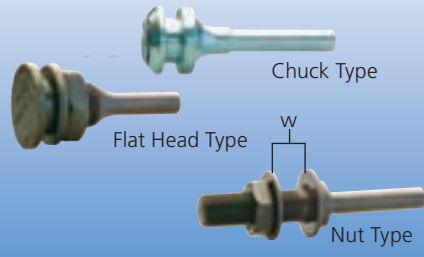
RBU



Diameter d ₁ [Inches]	Arbor Hole d ₂ [Inches]	Trim Length l ₂ [Inches]	Face Width b [Inches]	Width on Arbor [Inches]	Keyway Dimensions [Inches]	Filament Dia. and EDP Number			Recom. Speed [RPM]	MSFS Max. [RPM]	Adapter Style	
						.010	.014	.016				
Small Diameter Copper Centre Wheels												
2	1/2	1/2	3/8	7/32	-	84339	84340	-	5,200 - 9,000	20,000	-	10
3	1/2	1	3/8	5/16	-	84342	-	84343	5,200 - 9,000	20,000	F	10
Narrow Face Wheels												
6	1-1/4	1-1/2	3/4	7/16	1/4 x 1/8	-	-	84344	1,500 - 2,500	6,000	A	2
8	1-1/4	1-7/8	3/4	5/8	1/4 x 1/8	-	-	84345	1,200 - 2,000	4,800	A	2

Style	Brush Type	Fits Brush Arbor Hole [Inches]	Brush Keyways	Adapter I.D. [Inches]	Keyways in Adapter	EDP Number		Brush Adapters
A	Crimped Narrow Face	1-1/4	1/4 x 1/8 (2)	1/2	1/8 x 3/32 (2)	84605	1 pr.	
		1-1/4	1/4 x 1/8 (2)	5/8	3/16 x 1/8 (2)	84606	1 pr.	
	Narrow Face M-BRAD	1-1/4	1/4 x 1/8 (2)	3/4	3/16 x 1/8 (2)	84607	1 pr.	
		1-1/4	1/4 x 1/8 (2)	7/8	3/16 x 1/8 (2)	84608	1 pr.	
		1-1/4	1/4 x 1/8 (2)	1	1/4 x 5/32 (2)	84609	1 pr.	
C	Crimped Medium Face	2	None	1/2	None	84628	1 pr.	
		2	None	5/8	None	84629	1 pr.	
		2	None	3/4	None	84630	1 pr.	
	Crimped Wide Face	2	None	7/8	None	84631	1 pr.	
		2	None	1	None	84632	1 pr.	
	M-BRAD Composite Wheels	2	None	1-1/4	None	84633	1 pr.	
		2	None	1-1/2	None	84634	1 pr.	
D	3 - 6" Wheel Brushes (3/32" Thickness)	3/8	None	1/4	None	84600	10 pcs.	
		1/2	None	1/4	None	84601	10 pcs.	
		1/2	None	3/8	None	84602	10 pcs.	
		5/8	None	1/2	None	84603	10 pcs.	
E	EZmount™	2	None	1, 3/4, 5/8, 1/2	None	84615	1 pcs.	
F	Small Diameter Copper Centre Wheels (5/32" Thickness)	5/8	None	1/2	None	84636	10 pcs.	
		5/8	None	3/8	None	84637	10 pcs.	
		5/8	None	1/4	None	84638	10 pcs.	
		1/2	None	3/8	None	84639	10 pcs.	
		1/2	None	1/4	None	84640	10 pcs.	
		3/8	None	1/4	None	84641	10 pcs.	
G	Composite Wheel Brush	4-1/4	None	2	1/2 x 1/4 (2)	84670	1 pcs.	
		5-1/4	None	2	1/2 x 1/4 (2)	84671	1 pcs.	
H	Knot Wheel Brushes (7/32 Thickness)	1-1/4	None	3/4	3/16 x 1/8 (2)	84612	1 pr.	
		1-1/4	None	7/8	3/16 x 1/8 (2)	84613	1 pr.	
		1-1/4	None	1	3/16 x 1/8 (2)	84614	1 pr.	
K	Medium and Wide Face Brushes	2	None	1-1/4, 1, 7/8, 3/4, 5/8, 1/2	None	84665	1 pcs.	
		2	None	1-1/4, 20 mm, 18 mm, 14 mm, 12 mm	None	84666	1 pcs.	

Drive Arbors for Wheel Brushes



For mounting wheel brushes up to 3" in diameter.

Chuck Type

Countersunk head tightening-screw fits into a recessed flange washer for locking power. Allows brushes to reach edges without interference from arbor overhang. Change brush without removing arbor from collet. Unthreaded shoulder.

Flat Head Type

Brush mounts between a single washer and the flat head. Locked in place with a reverse-threaded nut. Allows the brush to be close to the workpiece. Threaded shoulder.

Nut Type

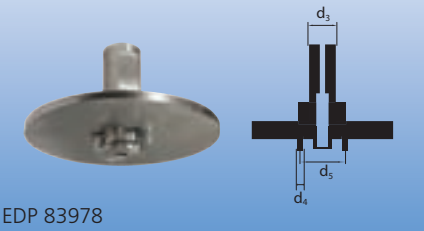
Nut can be removed to replace worn brush while arbor stem remains in chuck.

PFERD Specification Number

BO

Fits Brush ID	Mounting Width w	Shank Dia.	Head/Washer Dia.	Overall Length	EDP Number	
Chuck Type						
1/4	Up to 3/8	1/4	9/16	2-1/8	84650	5
3/8	Up to 3/8	1/4	11/16	2-1/8	84651	5
1/2	Up to 3/8	1/4	3/4	2-1/8	84652	5
Flat Head Type						
3/8	Up to 3/8	1/4	3/4	1-5/8	84654	5
1/2	Up to 3/8	1/4	7/8	1-7/8	84655	5
5/8	Up to 3/8	1/4	7/8	1-7/8	84656	5
Nut Type						
1/4	Up to 7/8	1/4	1/2	2-1/2	84657	5
3/8	Up to 7/8	1/4	3/4	2-1/2	84658	5
1/2	Up to 1/4	1/4	7/8	1-3/4	84659	5

Drive Arbors for M-BRAD™ Disc Brushes

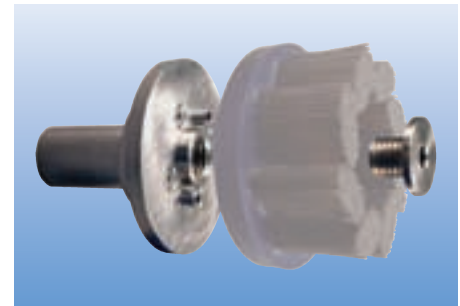


EDP 83978

These drive arbors are intended for mounting composite disc brushes on automatic deburring equipment.

PFERD Specification Number

BO



Suitable for Brush Diameter [Inches]	Shank Diameter d ₃ [Inches]	No. of Drive Pins	Drive Pin Dia. d ₄ [Inches]	Bolt Circle Dia. d ₅ [Inches]	EDP Number	
3-4	3/4	2	1/4	1.25	83982	1
5-6	3/4	2	1/4	1.25	83983	1
7-8	3/4	3	1/4	3	83984	1
9-10	3/4	3	1/4	3	83985	1
3-4	1	2	1/4	1.25	83978	1
5-6	1	2	1/4	1.25	83979	1
7-8	1	3	1/4	3	83980	1
9-10	1	3	1/4	3	83981	1

Minigrinder Adapter Insert	Adapter Inserts	Brush Thread	Tool Spindle	EDP Number	
	5/8-11 UNC to M10 x 1.25	5/8-11	M10x1.25	84645 P	5/5
	5/8-11 UNC to M10 x 1.5	5/8-11	M10x1.50	84646 P	5/5
	5/8-11 UNC to 3/8-24	5/8-11	3/8-24	84647 P	5/5











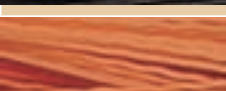
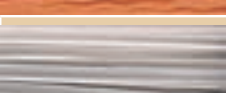


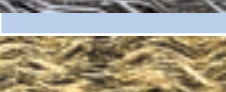
Maintenance Brushes

Your Quick Product Selection Guide



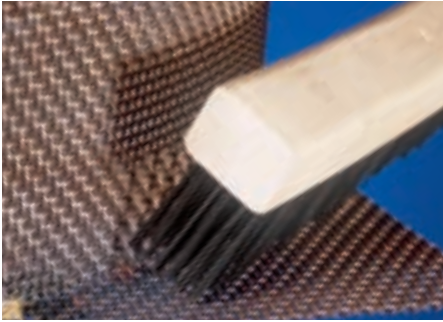
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Filament Composition - Maintenance Brushes

Natural Filaments		
Includes animal hair and vegetable fibers. Generally less expensive than synthetics, vegetable fibers are excellent in wet and dry applications.		
African Bass		Very coarse vegetable fibre with good flexibility. Used primarily in street brooms, African Bass is very durable, water resistant, and can be used on any wet or dry concrete surface. Its light weight and excellent sweeping action make it a favorite of maintenance crews. Often used with other fibers as a blend.
Bassine		Coarse and stiff natural fibers from India palms, Bassine is a superior quality Palmyra most commonly used in heavy floor cleaning and stiff scrubbing products. Bassine is a durable, low cost fibre ranging in colour from dark brown to black.
Horsehair		Soft to slightly stiff characteristics and good resilience. Soft, scratchless, fine dry sweeping. Horsehair is the most effective filament for cleaning smooth, highly polished surfaces. Also used to finely smooth newly poured concrete. Not recommended for use on wet or oily surfaces. Used with other fibers as a blend.
Palmyra		A cinnamon-brown coloured vegetable fibre derived from the leaf stalks of the Palmyra palm tree in India. Palmyra is a durable, medium stiff fibre tough enough for heavy sweeping. Stiff, water-resistant Palmyra is used in garage floor sweeps, scrub brushes, and more.
Tampico		Soft to medium bristle with very good durability. Distinctive liquid holding and release properties; absorbs more water than synthetic filaments. Superior for general sweeping, and in all applications requiring liquid retention, scrubbing and surface finishing. Used alone or blended, it is highly resistant to heat, solvents and chemicals.
Union Mix		A blend of fibers, usually Tampico and Palmyra. Provides a medium stiff filament texture for use in a variety of applications, especially scrubbing.
Synthetic Filament		
An alternative to natural filaments, man-made materials are frequently the best choice for durability, effectiveness and versatility.		
Polyester		Wear-resistant, very soft fibre that resists acid, heat, oil and most solvents. Provides a soft brushing surface when flagged. Offers excellent abrasion resistance and tear/break strength. Choice fibre selection for general use and for extreme exposure to cleaning chemicals. Withstands temperatures up to 350°F.
Polypropylene		Strong, lightweight, resistant to oil solvents and detergents. Excellent for sweeping stubborn dirt. Rot, fungus and mildew resistant. Will not mat or load. Commonly used in floor sweeps and scrub brushes. Available in straight or crimped filament. Crimped filament is best for wet applications. Withstands heat up to 225°F.
Polystyrene		Heavier than Polypropylene, it is also durable, long wearing, excellent flexibility, resistant to moisture and many solvents. Heat resistant up to 180°F. Available crimped for superior performance in wet applications, or flagged for a softer brushing surface. Used in sweeps, scrub and wash brushes, utility scrubs, and more.
Nylon		Very resilient and durable, resistant to most common chemicals. Withstands temperatures up to 350°F. It features excellent shear/break strength and bend recovery. Filament may be straight, crimped or flagged. Available in a wide range of diameters, textures, shapes and lengths. Used in both mechanical and maintenance applications.
Wire Filament		
Selected due to its ability to conform to irregular surfaces as well as for its stiffness, bend recovery, and long life.		
Tempered Steel		Provides excellent abrasion and wear resistance, along with high flexing action. High strength filament able to remove heavy buildups. Good bend recovery. Available in crimped and knotted configurations. Available in both round and flat wire.
Stainless Steel (INOX)		Corrosion resistant, non-rusting material works well with chemicals and solvents. Features excellent bend recovery with a high level of abrasion and wear resistance. Stainless steel brushes in this catalogue are produced with 302 stainless steel wire (INOX). 316 stainless steel wire (INOX) available upon request. For more information about stainless steel, see stainless steel overview on page 11.
Brass/Bronze		Non-corrosive, flexible filaments that provide a high degree of abrasion, but are softer than stainless steel or carbon steel to clean surfaces without damaging them. Great for grills, tire sidewalls and other metal equipment that is heavily soiled but cannot sustain heavy scratches.

Maintenance Brushes

Scratch Brushes



PFERD ADVANCE BRUSH Scratch Brushes

PFERD ADVANCE BRUSH scratch brushes are manufactured to exacting standards on state-of-the-art production equipment. This ensures that all wire tufts are precision-located on the block to ensure uniform and consistent brushing performance, and long service life.

PFERD ADVANCE BRUSH premium hardwood scratch brush blocks are kiln-dried to keep wire tufts firmly in place, and hand-selected to ensure straightness and quality.

A complete new offering of molded synthetic handle scratch brushes is now available. Synthetic handle brushes are more comfortable, especially in shoe handle style, due to ergonomic construction. They provide good leverage, allowing a more powerful brush stroke than can be achieved with a curved handle brush. And, they won't rot, splinter or crack over time – providing good longevity for the occasional user.

Optional scraper (1-7/16" wide) for loosening especially difficult material.



Curved Handle, Hardwood

EDP 85002

Quality brush for maintenance applications. Removal of rust, paint, scale, dirt and other debris. Cleans metal parts, threads and much more.

PFERD Specification Number
HBU



Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number			
				Carbon Steel	Stainless Steel	Bronze	
Wooden Block - without Scraper							
3 x 11	4	12-7/8 x 7/8	1-1/8	85000	-	-	12
2 x 18	5-3/4	13-3/4 x 5/8	1-3/16	85001	-	-	12
3 x 19	6-1/4	13-3/4 x 7/8	1-3/16	85002	85004	85005	12
4 x 19	6-1/4	13-3/4 x 1-1/8	1-3/16	85006	85008	85009	12
Wooden Block - with Scraper							
3 x 19	6-1/4	13-3/4 x 7/8	1-3/16	85003	-	-	12
4 x 19	6-1/4	13-3/4 x 1-1/8	1-3/16	85007	-	-	12



Shoe Handle, Hardwood

EDP 85034

Effective for cleaning pipe threads and welds. Also for removal of rust, paint, dirt, and debris. Popular in the oil and gas industries.

PFERD Specification Number
HBU

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number			
				Carbon Steel	Stainless Steel	Bronze	
Wooden Block - without Scraper							
1 x 17	5	10 x 3/8	1-3/16	85028	85029	-	12
2 x 17	5	10 x 5/8	1-3/16	85030	85031	-	12
4 x 16	5	10-1/4 x 1-1/8	1-3/16	85033	85035	85036	12
Wooden Block - with Scraper							
4 x 16	5	10-1/4 x 1-1/8	1-3/16	85034	-	-	12




Curved handle wire scratch brush with plastic block that won't splinter, crack or rot.

PFERD Specification Number
HBU

Curved Handle, Synthetic Block



EDP 85016

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number			
				Carbon Steel	Stainless Steel	Bronze	
Synthetic Block - without Scraper							
3 x 19	6-1/4	11 x 1-5/8	1-1/2	85012	85014	85015	12
4 x 19	6-1/4	13-3/4 x 1-1/8	1-3/16	85016	85018	-	12
Synthetic Block - with Scraper							
3 x 19	6-1/4	11 x 1-5/8	1-1/2	85013	-	-	12
4 x 19	6-1/4	13-3/4 x 1-1/8	1-3/16	85017	-	-	12


Shoe handle wire scratch brush with plastic block that won't splinter, crack or rot.

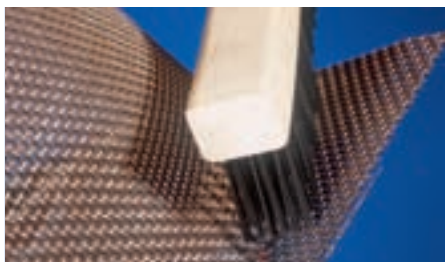
PFERD Specification Number
HBU

Shoe Handle, Synthetic Block



EDP 85037

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number			
				Carbon Steel	Stainless Steel	Bronze	
Synthetic Block							
4 x 16	5	10-1/4 x 1-1/8	1-3/16	85037	85039	85040	12




Value-priced brush for maintenance applications. Removal of rust, paint, scale, dirt and other debris. Cleans metal parts, threads and much more.

PFERD Specification Number
HBU

Curved Handle/Shoe Handle, Economy Line



EDP 85045

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number		
				Carbon Steel	Stainless Steel	
Curved Handle - Economy Line						
3 x 19	6	13-3/4 x 7/8	1-3/16	85045	85047	12
4 x 19	6	13-3/4 x 1	1-3/16	85048	85050	12
Shoe Handle - Economy Line						
4 x 16	5	10 x 1	1-3/16	85051	85053	12

Maintenance Brushes

Scratch Brushes



Straight Handle



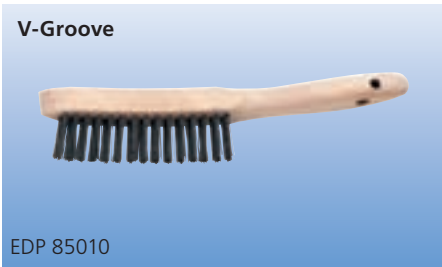
Heavy-duty scratch brush with wood handle and scraper attachment.

PFERD Specification Number
HBU

EDP 85071

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number		Icon
				Carbon Steel		
4 x 11	4-1/2	11 x 1-5/8	1-1/2	85071		12

V-Groove



Designed for cleaning in tight bevels and other narrow grooves and channels.

PFERD Specification Number
HBK

EDP 85010



Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number		Icon
				Carbon Steel	Stainless Steel	
3 x 14	5-1/4	13-3/4 x 1-1/8	1-1/2	85010	85011	12

Wooden Handles



Solid bent hardwood block, excellent for spot cleaning small welds.

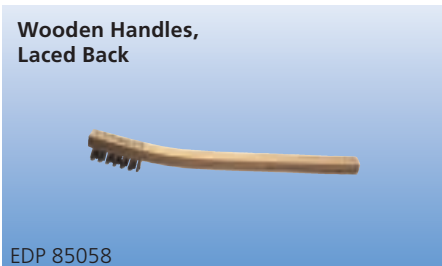
PFERD Specification Number
HBZ

EDP 85054



Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number				Icon
				.006 Carbon Steel	.006 Stainless Steel	.006 Brass	.006 Bronze	
3 x 7	1-1/2	7-1/2 x 1/2	1/2	85054	85055	85056	85057	36

Wooden Handles, Laced Back



Wire hand-laced in wooden block.

Laced-back construction eliminates the need for staples which may loosen over time.

PFERD Specification Number
HBZ

EDP 85058

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number		Icon
				.006 Carbon Steel	.006 Stainless Steel	
3 x 7	1-1/2	7-1/2 x 1/2	1/2	85058	85059	36

Plastic Handles, Double-Headed



EDP 85063

Bent handle with comfortable grip won't rot, crack, or splinter.

The double headed brush conveniently combines more aggressive and lighter cleaning in one brush.

PFERD Specification Number
HBZ

Plastic Handles



EDP 85060

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Filament Type and EDP Number				
				.006 Stainless Steel	.006 SS/Nylon	.006 Brass/Nylon	.012 Nylon	
Plastic Handles								
3 x 7	1-1/2	7-1/2 x 1/2	1/2	85060	-	-	85062	36
Plastic Handles, Double-Headed								
3 x 7	1-1/2	7-1/2 x 1/2	1/2	-	85063	85064	-	36

Great for small area cleaning such as welding applications and intersections.

PFERD Specification Number
HBZ

Small Cleaning, Curved Handles



EDP 85066

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number			
				.006 Stainless Steel	.008 Aluminum	.008 Brass	
2 x 9	2-1/2	8-5/8 x 1/2	1/2	85065	85066	85067	36

Standard, Curved Back



EDP 85084

Standard, Straight Back
Originally designed for butcher block cleaning, this block brush has been adapted to pipeline and industrial machine applications. Excellent for cleaning concrete forms. Features round steel and stainless steel (INOX) wires.

Standard, Curved Back
Curved back provides better control when brushing large, flat surfaces.

PFERD Specification Number
HBB

Standard, Straight Back



EDP 85081

Wire Rows	Brush Length [Inches]	Block Width [Inches]	Trim Length [Inches]	Wire Type and EDP Number		
				Carbon Steel	Stainless Steel	
Standard, Straight Back						
5 x 10	4-1/2	1-1/2	1-3/16	85081	-	12
6 x 19	7-1/4	2-1/4	1-3/4	85082	85083	12
Standard, Curved Back						
9 x 21	7-3/8	2-7/8	1-3/16	85084	-	12

Maintenance Brushes

Block Brushes



Flat Wire, Straight Back



EDP 85092

Flat steel wire in hardwood block, good for pipeline and industrial machine applications.

PFERD Specification Number
HBB



Wire Rows	Brush Length [Inches]	Block Width [Inches]	Trim Length [Inches]	Wire Type and EDP Number	
				.105 x .017 Carbon Steel	
5 x 10	7-3/4	2-5/8	1-1/4	85092	12

Flat Wire, Jumbo



EDP 85094

Flat wire block brush with handle for rough cleaning of large flat areas like brick work and concrete forms.

PFERD Specification Number
HBB



Wire Rows	Brush Length [Inches]	Block Width [Inches]	Trim Length [Inches]	Wire Type and EDP Number	
				.105 x .017 Carbon Steel	
8 x 12	9-1/4	3-3/4	1-1/4	85094	12

Chipping Hammer Replacement Brushes



EDP 85085

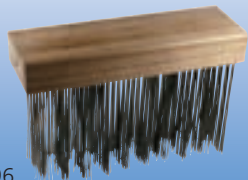
A refill brush for most chipping hammers. Mainly used for weld cleaning.

PFERD Specification Number
HBB



Wire Rows	Brush Length [Inches]	Block Width [Inches]	Trim Length [Inches]	Wire Type and EDP Number	
				Carbon Steel	
3 x 15	4-11/16	13-16	1-3/16	85085	12

Flat Wire, Casting Brushes

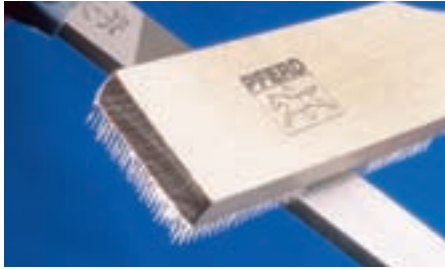


EDP 85096

Flat tempered steel wire mounted in hardwood block. The long trim length makes this ideal to remove sand from surface of castings.

PFERD Specification Number
HBB

Wire Rows	Brush Length [Inches]	Block Width [Inches]	Trim Length [Inches]	Wire Type and EDP Number	
				.017 x .059 Carbon Steel	
5 x 10	7-3/4	2-5/8	2	85096	12
5 x 10	7-3/4	2-5/8	3	85097	12
5 x 10	7-3/4	2-5/8	4	85098	12



Designed for easy removal of chips from clogged files. Rugged wooden handle with wear-resistant steel wire.

See PFERD Catalogue 201, Files and Rasps, page 46 for detailed information.

PFERD Specification Number
HBF

White Tampico brush for hand-applying pipe coatings. Brush head 3-1/2" oval.

PFERD Specification Number
HBB

File Cleaning Card



EDP 17146

Pipeline Dauber Brush



EDP 85100

Brush Length x Width [Inches]	Block Width [Inches]	Overall Length [Inches]	Trim Length [Inches]	Wire Type and EDP Number		
				Tampico Filament		
3-1/2 x 5	2-9/16	17	2-1/4	85100		12




High volume/cost-effective brushes for a wide range of products including painting, gluing, touch-up, chip removal, parts cleaning, and other industrial applications. Economy quality white and black bristle. Wood handles.

Chip Brushes



EDP 89698

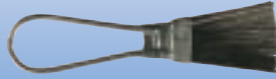
Brush Width [Inches]	Thickness [Inches]	Trim Length [Inches]	Filament Type and EDP Number		
			White Bristle	Black Bristle	
Chip Brushes					
1/2	1/4	1 1/2	89695	89703	36
1	5/16	1-1/2	89696	89704	36
1-1/2	5/16	1-1/2	89697	89705	24
2	3/8	1-3/4	89698	89706	24
2-1/2	3/8	1-3/4	89699	89707	24
3	3/8	1-3/4	89700	89708	24
4	3/8	1-3/4	89701	89709	12
Chip Brushes - Double Thick					
4	11/16	2-1/2	89702	89710	12

Maintenance Brushes

Chip Brushes




Metal Made Loop Handles



EDP 85124

Small stiff wire brush with 100% metal construction for brushing hot metal and chip removal. No plastic or wood components, this brush will not burn or melt, and is ideal for environments where open flames may be present.



Overall Length [Inches]	Width [Inches]	Trim Length [Inches]	Wire Type and EDP Number		
			Carbon Steel	Stainless Steel	
5-1/2	1-1/4	1/5/8	85124	85138	12
7-1/4	2-1/2	3-3/8	85125	85139	12


Tin Handle Acid Brushes



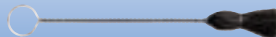
EDP 89602

Flat face. Stiff black horsehair. High quality. This brush is ideal for applying coatings for small areas such as soldering flux to copper pipe.



Brush Dia. [Inches]	Trim Length [Inches]	Overall Length [Inches]	Filament Type and EDP Number	
			Black Horsehair	
5/16	3/4	6	89601	144
3/8	7/8	6	89602	144
1/2	7/8	6	89603	144
9/16	1	6	89622	144
3/4	1	6	89604	144

Oil and Chip Brush



EDP 89694

Frequently used as a disposable brush to reach inaccessible or hazardous areas.

Brush Dia. [Inches]	Trim Length [Inches]	Overall Length [Inches]	Filament Type and EDP Number	
			Black Horsehair	
3/4	2-3/4	10-1/2	89694	1

Wire Duster



EDP 89559

Soft brushing action for dusting, cleaning chips and borings, etc.



Wire Rows Wide	Brush Size [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number	
				Carbon Steel	
4 x 8	5-3/4	2-3/4 x 1-1/8	2-3/8	89559	12

Wide Selection of Filaments

Stiffness, liquid retention, durability and cost are just a few of the characteristics that make certain fibers better for certain jobs. We offer many varieties of both natural and synthetic filaments in our maintenance brushes and floor sweeps.





"Flagged" Filament

Many brushes have "flagged" (also known as "feathered") bristles. Flagged bristles contain split ends which decrease stiffness and add liquid and dust retention properties. This soft, synthetic fibre is ideal for dusting, fine sweep-

ing of smooth surfaces and washing vehicles without scratching.










Please refer to the chart on page 69 of this catalogue for detailed information on all of our available filament types.

Broom Handle Key

	Uses Tapered Handle
	Uses Threaded Handle
	Uses Strip Broom Handle
	Uses Contractor Handle

For additional information on broom handles and other accessories, please see pages 85-86.















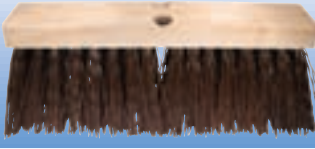





Broom Handle	Description	Filament Description	Block Length [Inches]	Trim Length [Inches]	EDP Number		Brush Type
	Lacquered Hardwood. 100% black horsehair bristles, for fine sweeping of smooth floors such as tile, linoleum, polished hardwood, etc. Two threaded holes.	100% Black Horsehair	24	3	89211	12	
			36	3	89213	12	
	Lacquered Hardwood. High-quality sweep for best cleaning of fine dirt on smooth floors. Horsehair-nylon mix stapled into lacquered hardwood block with two threaded handle holes.	Horsehair/Nylon Mix	18	3	89214	12	
			24	3	89215	12	
			30	3	89216	12	
			36	3	89217	12	
	Lacquered Hardwood. Flagged bristles for sweeping smooth, highly-polished floors and smooth concrete. Sweeps even the finest dust or grit. Two threaded holes.	Silver flagged-tip plastic	18	3	89222	12	
			24	3	89223	12	
			30	3	89224	12	
			36	3	89225	12	
	Foam plastic block with threads. Flagged bristles for sweeping smooth, highly-polished floors and smooth concrete. Sweeps even the finest dust or grit.	Silver flagged-tip plastic	18	3	89230	12	
			24	3	89231	12	

Maintenance Brushes

Floor Sweeps



Brush Type	Broom Handle	Description	Filament Description	Block Length [Inches]	Trim Length [Inches]	EDP Number	
		Lacquered Hardwood. Two threaded holes. Excellent for shop and store use. Oil-resistant, washable black synthetic fill with crimped centre stock and straight casing.	Black synthetic fill	14	3	89232	12
				16	3	89233	12
				18	3	89234	12
				24	3	89236	12
				36	3	89239	12
		Lacquered Hardwood. Two threaded holes. Brown plastic centre rows sweep coarse dirt while flagged-top plastic casing sweeps fine dust and grit. For smooth or rough floors with heavy dirt accumulation.	Brown plastic centre fill w/ Flagged silver plastic casing	18	3	89240	12
				24	3	89241	12
				30	3	89242	12
				36	3	89243	12
		Lacquered Hardwood. Two threaded holes. Black Tampico fibre in a lacquered hardwood block.	Black Tampico fill	12	3	89244	12
				18	2-5/8	89249	12
				18	3	89250	12
				24	2-5/8	89252	12
				24	3	89253	12
				30	3	89255	12
		Lacquered Hardwood. Two threaded holes. Popular broom has black Tampico centre with horsehair casing.	Black Tampico centre fill with horsehair casing	14	3	89258	12
				16	3	89259	12
				18	3	89260	12
				24	3	89261	12
				30	3	89262	12
				36	3	89263	12
		Lacquered Hardwood. Two threaded holes. High quality broom with good flexing action. Grey Tampico centre with horsehair and nylon-reinforced casing.	Tampico centre fill with horsehair/nylon casing	18	3	89264	12
				24	3	89265	12
				36	3	89266	12
		Lacquered Hardwood. Oil treated stiff palmyra centre with horsehair casing. Stiffer centre moves heavy dirt in factory or warehouse.	Red Union Mix	18	3-1/4	89271	12
				24	3-1/4	89272	12
		Foam Plastic w/ threads. Black plastic bristles staple-set in foam plastic block. For wet or dry sweeping of rough or semi-smooth surfaces.	Black synthetic fill	18	3	89273	12
				24	3	89274	12
		Foam Plastic w/ threads. Densely set yellow plastic bristles. For wet or dry sweeping. Excellent versatility, can handle fine dust or coarse debris.	Yellow synthetic fill	18	3	89277	12
				24	3	89278	12

Broom Handle	Description	Filament Description	Block Length [Inches]	Trim Length [Inches]	EDP Number		Brush Type
Heavy sweeping brooms are recommended for sweeping concrete and other rough surfaces such as pavement and factory floors.							
	Lacquered Hardwood. Two threaded holes. Non-absorbent brown plastic filament may be used for wet or dry sweeping. Oil-resistant and easy to wash.	Brown/red plastic fill	16	3	89283	12	
			18*	3	89285	12	
			24*	3	89287	12	
			36	3	89289	12	
	Lacquered Hardwood. Two threaded holes. Stiff Palmyra fibre for wet or dry sweeping on rough concrete or wood floors.	Stiff Palmyra fill	14	4	89318	12	
			16	4	89319	12	
			18	4	89320	12	
			24	4	89322	12	
			30	4	89324	12	
			36	4	89325	12	
	Lacquered Hardwood. Stiff black polypropylene fill is not affected by grease, water, or oil. For wet or dry sweeping of rough concrete or asphalt.	Stiff black polypropylene	18	4	89326	12	
			24	4	89327	12	
	Sanded hardwood. Heavy-Duty street broom heavily filled with 5 rows of African Bass fibre.	African Bass fill	16	5-1/4	89342	12	
			16	6-1/4	89343	12	
	Sanded Hardwood. Bass/Palmyra mix for wet or dry sweeping of barns, streets, highway work, etc.	Bass/Palmyra mix	14	6-1/4	89344	12	
			16	6-1/4	89345	12	
			16	7-1/4	89346	12	
	Sanded Hardwood. Durable stiff synthetic fibre with flared end, will outlast most natural fibers.	Brown plastic fill	16	5-1/4	89348	12	
			18	5-1/4	89349	12	
			24	5-1/4	89350	12	
	Sanded Hardwood. Dyed Palmyra stalk with wide flared ends for sweeping close to curbs.	Red dyed Palmyra fill	16	6-1/4	89351	12	
	Sanded Hardwood. Heavy-gauge orange plastic will not absorb mold, mildew, or water. Safety Orange colour perfect for high visibility use.	Safety Orange plastic fill	16	5	89353	6	
			18	5	89354	6	
			24	5	89355	6	
	Sanded Hardwood. Durable stiff white plastic fibre with flared end, will outlast natural fibers.	White plastic fill	16	4-1/2	89358	6	
Item Size 9-1/2"		-	-	-	89928	1	Scraper Attachment Kit

Maintenance Brushes

Floor Sweeps



Brush Type	Broom Handle	Description	Filament Description	Block Length [Inches]	Trim Length [Inches]	EDP Number	
		Tubular steel frame. Fine sweep for general industrial use. Tubular steel frame with high-quality, tough synthetic bristles.	Fine synthetic fill	24	3-1/4	89313	12
		Tubular steel frame. Medium sweep for general industrial use. Tubular steel frame with high-quality, tough synthetic bristles.	Medium synthetic fill	18	3-1/4	89314	12
				24	3-1/4	89315	12
		Tubular steel frame. Coarse sweep for general industrial use. Tubular steel frame with high-quality, tough synthetic bristles.	Coarse synthetic fill	18	3-1/4	89316	12
				24	3-1/4	89317	12
		Lacquered hardwood block. Steel wire centre row easily penetrates dirt and grease. Black horsehair and plastic border. For dry sweeping of rough surfaces and paved floors.	Black Tampico with wire centre and Horsehair/plastic border	18	3	89359	12
				24	3	89360	12
		Lacquered hardwood block. Steel wire centre with shorter trim than surrounding Tampico fibre fill. Added pressure engages wire with the brushing surface to penetrate heavy dirt and grease.	Round steel wire centre with Black Tampico border	16	2-7/8	89361	12
				18	2-7/8	89362	12
				24	2-7/8	89363	12
		Lacquered hardwood. Steel wire centre row, black Tampico inside rows, black horsehair and plastic border. Ideal for filling stations, garages, wherever heavy dirt or grease accumulate.	Round steel wire centre with Tampico/horsehair border	24	3	89365	12
		Sanded hardwood. Flat wire broom features .017 x .059 tempered carbon steel wire. Especially effective for work on uneven, rough surfaces, as in road repair and steel millwork.	.017 x .059 tempered Flat carbon steel wire	14	5	89370	12
				16	5	89381	12

Description	Filament Description	Handle Type	No. Sews	Sweep Width [Inches]	Block Size [Inches]	Overall Length [Inches]	EDP Number		Brush Type
Upright Brooms									
With chisel. Track brooms feature a narrow face for softer sweeping. This broom has a steel chisel handle end for tough-to-remove debris such as chewing gum.	Bass fibre	1-1/8 dia. x 39	3	10	7-1/2	55	89374	6	
Bass fibre for wet or dry sweeping on rough floors. Compact for use in narrow areas.	Bass fibre	1-1/8 dia. x 39	1	10-1/2	10-1/4	53	89375	6	
Selected corn filament for light sweeping on smooth floors. Compact broom with 3 twine sews and one wire band for long life.	Selected corn	7/8 dia. x 37	3	10	9-1/2	56	89376	12	
		1-1/8 dia. x 37	3	11	10-1/2	56	89377	12	
Whisk Brooms									
Metal cap with ring. Use on dust, lint and fine dirt in office, factory or home. Topped by convenient hanging ring.	Selected corn	Metal cap with ring	3	4-1/2	4-1/2	10	89378	12	
Wire loop handle. Economical whisk for multi-purpose dusting. Twisted-in wire construction, loop handle.	Palmyra fill	Wire loop handle	1	4-1/2	3	10	89379	12	
Wooden handle. For heavy duty cleaning. Has a wood handle grip.	Stiff natural fill	Wood grip handle	1	4-1/2	3	9-3/4	89380	12	

Maintenance Brushes

Floor Sweeps



Brush Type	Broom Handle	Description	Filament Description	Block Length [Inches]	Trim Length [Inches]	EDP Number	
		Lacquered hardwood. Fine sweep for smooth, highly polished floors and smooth concrete. Will sweep finest dust or grit.	Silver flagged-tip plastic fill	18	3	89294	1
				24	3	89295	1
				30	3	89296	1
		Lacquered hardwood. Medium sweep for wood, concrete, asphalt, tile, etc.	Selected black Tampico fill	18	3	89297	1
				24	3	89298	1
		Lacquered hardwood. Coarse plastic centre with fine flagged border rows. For dry sweeping of smooth or rough floors with heavy dirt buildup.	Coarse brown plastic with Silver flagged-tip border	18	3	89300	1
				24	3	89301	1
				30	3	89302	1
		Lacquered hardwood. Coarse sweep with tough Palmyra fill for wet or dry sweeping of rough or smooth concrete, driveways, and floors.	Brown Palmyra fill	18	4	89303	1
				24	4	89304	1
				36	4	89306	1
		Lacquered hardwood. Coarse sweep for wet or dry sweeping of concrete and asphalt. Also good for wet floors such as in creameries and industrial settings.	Coarse brown plastic fill	18	3	89307	1
				24	3	89308	1
		Lacquered hardwood. Coarse sweep with stiff black polypropylene fill. Will not soften from water, oils, or grease.	Stiff black polypropylene	18	4	89310	1
				30	4	89312	1

Handle Type	Description	Handle Length [Feet]	Handle Diameter [Inches]	EDP Number	
	Contractor style handle features malleable metal connector on high-grade lacquered hardwood pole. For use with contractor series push brooms.	5	1-1/8	89901	12

Brace Type	Description	Item Type	EDP Number	
	This sturdy, reusable steel brace clamps around the handle and fastens to the block with screws. Adds strength and stability. Especially useful with Contractor Handle.	Heavy Duty	89922	1






For pushing debris and liquids from concrete, tile, linoleum, etc. to achieve a clean, dry surface.

Features red gum blade with medium flexibility.

Floor Squeegees, Standard Duty



EDP 89471

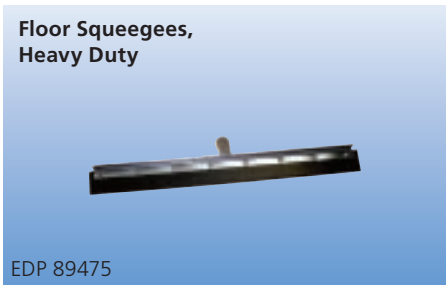
Overall Length [Inches]	Frame Plating	Blade Material	Handle Type	Blade Size w x d [Inches]	EDP Number	
18	Steel	Red gum		2 x 3/16	89471	12
24	Steel	Red gum		2 x 3/16	89472	12








Premium performance squeegee features superior construction and heavier blade for industrial use.

Can be used to clean up chemical or petroleum based spills. Blade is securely fastened with machine screws.

Floor Squeegees, Heavy Duty



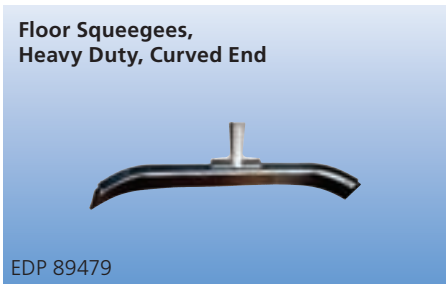
EDP 89475

Overall Length [Inches]	Frame Plating	Blade Material	Handle Type	Blade Size w x d [Inches]	EDP Number	
18	Cadmium Steel	Neoprene		2 x 1/4	89473	12
24	Cadmium Steel	Neoprene		2 x 1/4	89474	12
30	Cadmium Steel	Neoprene		2 x 1/4	89475	12
36	Cadmium Steel	Neoprene		2 x 1/4	89476	12





Premium construction for industrial use. Curved ends allow improved control of large amounts of liquid. 36" comes with a handle brace.

Features plated metal hardware and machine screws for longer service life.

Floor Squeegees, Heavy Duty, Curved End



EDP 89479

Overall Length [Inches]	Frame Plating	Blade Material	Handle Type	Blade Size w x d [Inches]	EDP Number	
24	Cadmium Steel	Neoprene		2-1/2 x 1/4	89478	12
30	Cadmium Steel	Neoprene		2-1/2 x 1/4	89479	12
36	Cadmium Steel	Neoprene		2-1/2 x 1/4	89480	12

Maintenance Brushes

Squeegees



Window Squeegees











EDP 89469

Plated steel frame and handle socket.




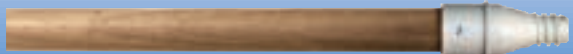













Blade securely fastened with machine screws.

Non marking red gum blade is ideal for heavy duty use.



Overall Length [Inches]	Frame Plating	Blade Material	Handle Type	Blade Size w x d [Inches]	EDP Number	
6	Steel	Red gum		1 x 3/16	89464	6
8	Steel	Red gum		1 x 3/16	89465	6
10	Steel	Red gum		1 x 3/16	89466	6
12	Steel	Red gum		1 x 3/16	89467	6
14	Steel	Red gum		1 x 3/16	89468	6
16	Steel	Red gum		1 x 3/16	89469	6
18	Steel	Red gum		1 x 3/16	89470	6




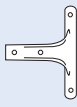




Description	Handle Length [Feet]	Handle Diameter [Inches]	EDP Number		Handle Type
Wood Handles					
Wooden handles made of smooth, lacquered hardwood. Easily attach to push brooms.	4-1/2	15/16	89882	12	Wood Threads*  
	5	15/16	89883	12	
	6	15/16	89884	12	
	4-1/2	1-1/8	89885	12	
	5	1-1/8	89886	12	
	6	1-1/8	89887	12	
Plastic thread model features plastic coating for fortifying wood threads.	5	15/16	89893	12	Plastic Threads*  
Wooden handle made of smooth lacquered hardwood with threaded metal tip.	5	15/16	89889	12	Metal Threads*  
	5	1-1/8	89891	12	
Tapered wood handle for use with pushbrooms, deck scrubs, window brushes, roof brushes and squeegees. Use with replaceable handle tips and handle braces.	4-1/2	1-1/8	89897	12	Tapered End  
	5	1-1/8	89899	12	
	6	1-1/8	89900	12	
Aluminum / Fibreglass Handles					
Metal "Utility" quality metal extension pole has threaded end.	5	15/16	89905	12	Metal Threads*  
Fibreglass professional quality extension pole. Fibreglass housing with aluminum extension.	4 to 8	1	89913	6	Telescoping*  
	6 to 12	1	89914	6	
Standard Fibreglass broom handle with threaded plastic tip.	5	15/16	89915	12	Fibreglass*  
"Flo-Thru" handle for use with window and wash brushes. Attaches to standard hose for continuous water flow. Includes on/off control valve and combination tapered/threaded end.	5	7-8	89919	12	Flo-Thru*  



*All threaded broom handles are equipped with standard 3/4" acme thread.



Maintenance Brushes


Handles and Accessories



Handle Type	Description	Handle Length [Feet]	Handle Diameter [Inches]	EDP Number	
Special Purpose Handles					
Brace Attachment 	 Brace attachment handle features a reversible cast aluminum brace 7" wide. Attaches directly to brush block with wing nuts.	5	1-1/8	89902	12
Contractor Handle 	 Contractor style handle features malleable metal connector on high-grade lacquered hardwood pole. For use with contractor push broom series.	5	1-1/8	89901	12
Strip Broom Handle 	 Strip broom handle for use with SP series floor sweeps. 5" length.	5	1-1/8	89903	12

Handle Tip Type	Description	Item Size [Inches]	EDP Number	
Plastic Threads* 	Convenient replacement tips, threaded plastic.	15/16 (dia.)	89923	12
Metal Threads* 	Metal clamp-on threaded tip converts tapered poles to threaded.	15/16 (dia.)	89925	1

Brace Type	Description	Item Grade	EDP Number	
Handle Brace, Standard 	This brace fits on the underside of the handle between handle and block. Attaches easily with wing nuts. Brace is reusable.	Standard	89921	1
Handle Brace, Heavy Duty 	This sturdy, reusable steel brace clamps around the handle and fastens to the block with screws. Adds strength and stability. Especially useful with Contractor Handle.	Heavy Duty	89922	1

Dust Pan	Description	Item Size [Inches]	EDP Number	
Metal Hand Dust Pan 	Black metal dust pan is 20 gauge steel with enamel finish.	12 (edge)	89876	12
		16 (edge)	89877	12

*All threaded broom handles are equipped with standard 3/4" acme thread.



Counter brushes in three grades for convenient light cleaning and sweeping of small flat surfaces such as counters, table tops and work surfaces.

Premium Line is for very fine sweeping.

Standard Line, heat resistant, features raised end brushes in corners. Versatile, picks up fine dust as well as heavy dirt.

Heavy Duty line brush for general use and coarse sweeping.

Counter Dusters

Premium Line - Fine



Standard Line - Medium



Heavy Duty - Coarse



Overall Length [Inches]	Trim Length [Inches]	Block Type	Filament Description	EDP Number	
Premium Line - Fine Sweep					
8	2-1/2	Wood block	Black horsehair	89390	12
8	2-3/4	Wood block	Black horsehair and nylon	89393	12
9	2-1/4	Wood block	Black horsehair	89394	12
9	2-1/2	Wood block	Black horsehair and nylon	89395	12
Standard Line - Medium Sweep					
8	2-1/2	Plastic	Black horsehair and nylon	89397	12
8	2	Wood block	White tampico	89398	12
9	2-1/2	Plastic	Black horsehair and nylon	89399	12
Heavy Duty Line - Coarse/General Purpose Sweep					
8	2-1/2	Plastic	Black tampico	89400	12
8	2-1/2	Wood block	Black tampico	89402	12
9	2-1/2	Plastic	Black tampico	89405	12



Wash brushes with staple set construction are great for cleaning all kinds of windows, glass surfaces, automotive surfaces, siding, decks.

Soft flagged synthetic filament will not scratch surfaces.

For use as hand-held brushes, or use with Flo-Thru handle for high-powered cleaning. Threaded hole on all brushes.

Wash Brushes





Window Brush, Round



Window Brush, Oblong

Car/Truck Wash Brush



Block Size [Inches]	Trim Length [Inches]	Block Type	Handle Type	Filament Description	EDP Number	
Window Brushes - Round and Oblong						
4-1/2	2-1/2	Round plastic		Soft grey flagged synthetic fill	89449	6
8 x 2-1/2	2-1/2	Oblong plastic		Black and white flagged synthetic	89451	6
Car/Truck Wash Brush						
10 x 3	2-1/4	Molded plastic		Black and white flagged synthetic	89456	6

Maintenance Brushes

Utility Brushes



Durable wood handle, twisted wire brush enhances thorough cleaning of lavatory bowls.

Overall Length [Inches]	Handle Type	Filament Type	Brush Part Length [Inches]	Trim Length [Inches]	EDP Number	
24	Wood	White tampico	5-1/2	2-1/4	89419	12
24	Wood	Stiff fibre	5-1/2	2-1/4	89421	12
24	Wood	Black nylon	5-1/2	2-1/4	89423	12



Durable wood handle or flexible wire handle, spiral wound tip brush is beneficial for deep cleaning of bottles and narrow, hard to reach interior spaces.

Overall Length [Inches]	Handle Type	Filament Type	Brush Part Length [Inches]	Trim Length [Inches]	EDP Number	
15	Wood	Nylon	5	3 to 2-1/2	89432	12
18	Twisted in Wire	Horsehair/nylon	6	2-3/4	89434	12
18	Twisted in Wire	Horsehair/nylon	7	3	89435	12



Wood handle, spiral-wound Tampico brush designed for cleaning multi-gallon cans and other containers.

Overall Length [Inches]	Handle Type	Filament Type	Brush Part Length [Inches]	Trim Length [Inches]	EDP Number	
30	Wood	Grey tampico	7	2-1/4	89438	1

For scrubbing floors made of wood, composite boards or concrete, decks. Home and industrial use.



Brush Size l x w [Inches]	Trim Length [Inches]	Block Type	Handle Type	Filament Description	EDP Number	
Regular Fill 6 x 18 Rows						
10 x 2-3/4	2	Hardwood		Palmyra	89514	12
12 x 2-3/4	1-7/8	Hardwood		Palmyra	89515	12
Heavy Fill 6 x 18 Rows						
10 x 2-3/4	2	Hardwood		High density Tampico	89516	12
10 x 2-3/4	2	Hardwood		Polypropylene	89517	12



Dependable ergonomically designed scrub brushes for general purpose scrubbing and cleaning. Removes paint, oil and other foreign substances off smooth and rough surfaces.



Brush Size l x w [Inches]	Trim Length [Inches]	Block Type	Filament Description	EDP Number	
Pointed End					
8-3/4 x 2-1/4	1-1/8	Hardwood	White tampico	89521	12
8-3/4 x 2-1/4	1-1/8	Hardwood	Yellow polypropylene	89522	12
Square End					
8 x 2-3/4	1-1/4	Hardwood	Plastic fill	89526	12
8 x 2-3/4	1	Hardwood	Palmyra	89528	12
8 x 2-3/4	1-1/8	Hardwood w/threaded hole	Palmyra	89529	12
8 x 2-3/4	1-1/8	Hardwood	White tampico	89530	12
Hand/Nail Cleaning					
5 x 1-1/2	3/4	Hardwood	Plastic	89532	12
5 x 1-1/2	3/4	Plastic	Plastic	89533	12

Maintenance Brushes

Deck and Scrub Brushes



Fender Brushes

Long Handle Brushes




Short Handle Brushes



For general purpose scrubbing and industrial use on metal surfaces, specifically cans, auto fenders, wheel covers, hub caps, and car detailing.

Long handle version allows easy access for cleaning deep cavities.



Overall Length [Inches]	Trim Length [Inches]	Block Type	Filament Description	EDP Number	
Long Handle					
21-1/2	2	Plastic	Cream-coloured synthetic	89439	12
21-1/2	2	Plastic	Stiff fibre	89441	12
21-1/2	2	Plastic	White tampico	89443	12
Short Handle					
10	2	Plastic	Cream-coloured synthetic	89444	12
10	2	Plastic	Palmyra	89445	12
10	2	Plastic	Stiff fibre	89446	12
10	2	Plastic	White tampico	89447	12





Maintenance Brushes

Internal Cleaning – Hand Tube Brushes

Description	Face Type	Brush Dia. [Inches]	Brush Part Length [Inches]	Overall Length [Inches]	Wire Diameter and EDP Number					Quantity	Brush Type
					.003 CS	.005 CS	.006 CS	.008 CS	.006 SS		
Wire tube and spout brushes are used for internal cleaning in industrial, dairy and laboratory applications.	Straight	3/16	1-1/2	7	89560	89561	-	-	89568	12	Hand Tube Brushes. Wire
		1/4	1-1/2	7	-	89562	-	-	89569	12	
		1/4	1-1/2	8	-	-	-	-	89564	12	
		3/8	1-1/2	8	-	-	89565	-	89570	12	
		1/2	2	8	-	89563	89566	89567	89571	12	

Description	Face Type	Brush Dia. [Inches]	Brush Part Length [Inches]	Overall Length [Inches]	Bristle Type and EDP Number		Quantity	Brush Type
					Black Horsehair	Nylon		
Straight face. Brush fill comes in stiff black horsehair or nylon.	Straight	1/4	2	6-1/4	89572	-	12	Hand Tube Brushes, Bristle
		1/4	2	6-1/8	-	89578	12	
		5/16	1-1/2	9	89573	-	12	
		1/2	3	8-1/2	89574	89580	12	
		3/4	3	8-1/2	89575	89581	12	
		1	4	12	89576	89582	12	
		1-1/4	4	12-7/8	89577	-	12	
		1-1/4	4	13	-	89583	12	
2	5	15	-	89585	12			
1-1/4" brush diameter at wide end tapered to 3/4" at narrow end.	Tapered	1-1/4 to 3/4	5	12	89586	-	12	Hand Tube Brushes, Bristle Tapered
Straight face, horsehair fill. For cleaning percolators and coffee urns.	Straight	1/2	2	12	89587	-	1	Percolator Brushes
		5/8	3-1/2	24	89588	-	1	
Farm and ranch industry use. For cleaning bottle-filling machines.	Straight	1/4	4-3/4	26	89590	-	1	Air Tube Brushes
		3/8	4	26	89591	-	1	
		1/2	4	26	89592	-	1	
Farm and ranch industry use. For cleaning milking machines.	Straight	1/2	4-1/2	42	89593	-	1	Rubber Hose Brushes
		5/8	4-1/2	42	89594	-	1	
		3/4	4-1/2	42	89595	-	1	
Farm and ranch industry use. For cleaning bottle-filling machines.	Straight	1	4-1/2	40-1/2	89596	-	1	Milk Tube Brushes
		1-1/4	4-1/2	40-1/2	89597	-	1	
		1-1/2	4-1/2	40-1/2	89598	-	1	
		2	4-1/2	40-1/2	89599	-	1	
Stiff bristle twisted in wire handles, with loop end.	Straight	2-1/4	7	30	89437	-	1	Radiator Tube Brushes
		1-1/2	18	90	89600	-	1	

Maintenance Brushes

Internal Cleaning – Pipe and Flue Brushes



Galvanized Wire Handle



EDP 89468

This 60" long light weight fiberglass handle is equipped with 1/4" x 2-1/2" pipe nipple. Multiple handles can be threaded together for longer reach.

PFERD Specification Number
IBUS



Handle Length [Inches]	EDP Number	
60	89648	1

Condenser Pipe Brushes



EDP 89643

Features 1/8" pipe nipple on one end and a loop on the other for easy use.

PFERD Specification Number
IBU

Brush Part Length [Inches]	Brush OD (Exact Size) [Inches]	Wire Diameter and EDP Number	
		.010 Carbon Steel	
4	1/2	89643	1
4	5/8	89644	1
4	3/4	89645	1
4	7/8	89646	1
4	1	89647	1

Flue Brushes



EDP 89649

Flue brushes are round wire, style "W," double spiral style. Flue equipped with 1/4" x 2-1/2" pipe nipple.

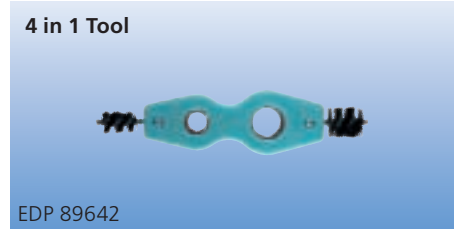
PFERD Specification Number
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Brush Part Length [Inches]	Flue Size [Inches]	Brush OD (Exact Size) [Inches]	Wire Diameter and EDP Number	
			.012 Carbon Steel	
4-1/2	1	3/4	89649	1
4-1/2	1-1/4	1	89651	1
4-1/2	1-1/2	1-1/4	89652	1
4-1/2	1-3/4	1-1/2	89653	1
4-1/2	2	1-3/4	89654	1
4-1/2	2-1/4	2	89655	1
4-1/2	2-1/2	2-1/4	89656	1
4-1/2	2-3/4	2-1/2	89657	1
4-1/2	3	2-3/4	89658	1
4-1/2	3-1/4	3	89659	1
4-1/2	3-1/2	3-1/4	89660	1
4-1/2	3-3/4	3-1/2	89661	1
4-1/2	4	3-3/4	89662	1



Cleans tubes and fittings inside and outside. Great for soldering prep, deburring, drill hole cleaning and cleaning battery terminals. Inside diameter 3/4" and 1/2", tube outside diameter 7/8" and 5/8".

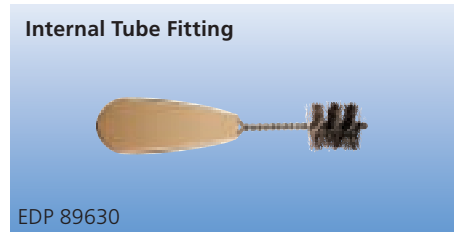


EDP 89642


Inside Diameters [Inches]	Outside Diameters [Inches]	Wire Type and EDP Number Carbon Steel	
3/4, 1/2	7/8, 5/8	89642	1



Tube fitting brush is equipped with a hand-fitting handle. Cleaning action assures leak-proof joints.

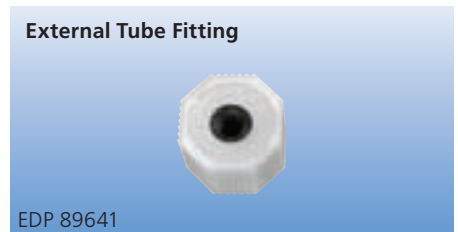


EDP 89630


Nominal Tubing [Inches]	Exact Size [Inches]	Wire Type and EDP Number Carbon Steel	
1/8	17/64	89625	12
1/4	25/64	89626	12
3/8	33/64	89627	12
1/2	21/32	89628	12
5/8	25/32	89629	12
3/4	29/32	89630	12
7/8	1-1/32	89631	12
1	1-5/32	89632	12
1-1/4	1-7/16	89633	12
1-1/2	1-11/16	89634	12
2	2-3/16	89635	12



External tube fitting and cleaning brush, featuring a plastic case to protect user's hands from sharp edges.

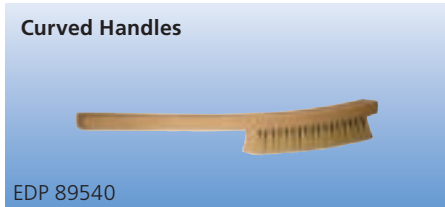


EDP 89641

Nominal Tubing [Inches]	Exact Size [Inches]	Wire Type and EDP Number Carbon Steel	
1/4	3/8	89636	6
3/8	1/2	89637	6
1/2	5/8	89638	6
5/8	3/4	89639	6
3/4	7/8	89640	6
7/8	1	89641	6

Maintenance Brushes

Platers and Molders Brushes



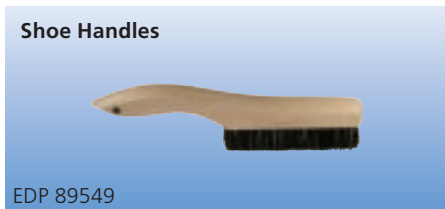
For light cleaning and polishing in metal finishing and plating applications.

PFERD Specification Number
HBU

Power platers brushes are also available on page 18 of the power brush section of this catalogue.

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Fill Material and EDP Number					
				.005 CS	.005 SS	.005 Brass	White Tampico	Black Bristle	

Curved Handle				.005 CS	.005 SS	.005 Brass	White Tampico	Black Bristle	
3	5-1/2	13 x 7/8	1	89542	89546	89544	-	-	12
4	5-1/2	13 x 1-1/8	1	89543	89547	89545	-	-	12
4	5	13 x 1-1/4	1	-	-	-	89540	-	12
4	5	13 x 1-1/8	1	-	-	-	-	89541	12



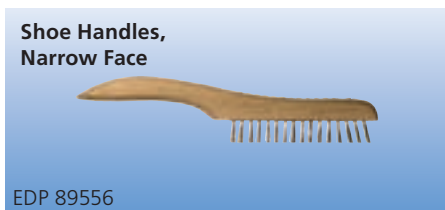
Shoe handle platers brushes are ergonomically designed for a comfortable grip.

PFERD Specification Number
HBU

Power platers brushes are also available on page 18 of the power brush section of this catalogue.

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Fill Material and EDP Number					
				.005 CS	.006 SS	.005 Brass	Grey Tampico	Black Nylon	

Shoe Handle				.005 CS	.006 SS	.005 Brass	Grey Tampico	Black Nylon	
3	5	10 x 13/16	1	89550	-	89552	-	-	12
4	5	10 x 1-1/16	1	89551	89539	89553	89548	89549	12



Corrosion resistant wire for cleaning narrow grooves and channels. Hardwood block.

PFERD Specification Number
HBU

Wire Rows	Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Wire Type and EDP Number		
				Carbon Steel	Stainless Steel	
1	4-3/4	10 x 3/8	3/4	89555	-	12
1	4-3/4	10 x 3/8	3/4	-	89556	12




Stapled in hardwood block.

PFERD Specification Number
HBU

Wire Rows Wide	Block Size l x w [Inches]	Trim Length [Inches]	Filament Type and EDP Number	
4	9-1/4 x 1-1/8	2-7/8	Black Horsehair 89554	12


Grey Tampico fibre or black crimped polypropylene fill. Bright ferrule. Round tapered handles.



Brush Dia. [Inches]	Trim Length [Inches]	Filament Type and EDP Number		
		Tampico	Polypropylene	
Parts Cleaning Brush - Pointed				
1-3/16	2-5/8	89609	-	12
1-1/4	3	89610	-	12
1	2-3/4	-	89612	12
1-1/16	3	-	89613	12
Parts Cleaning Brush - Flat				
1	2-3/4	-	89614	12

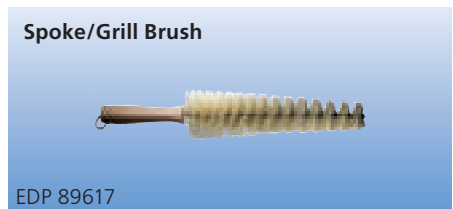
Pure black bristle or nylon fill. Bright seamless ferrule. Round tapered handle.



Brush Dia. [Inches]	Trim Length [Inches]	Filament Type and EDP Number		
		Black Bristle	Nylon	
1	2-1/2	89615	-	12
1-1/4	2-3/4	-	89616	12

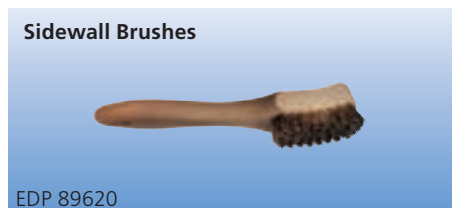
Twisted in wire brush part. Plain wood handle.


*Tapers from 2-7/8" diameter to 1-1/4".



Brush Dia. [Inches]	Brush Part Length [Inches]	Overall Length [Inches]	Filament Type and EDP Number	
			Tampico	
2-7/8 to 1-1/4	10	15	89617	12

White sidewall tire brushes have crimped brass wire fill. Staple set.



Brush Part Length [Inches]	Block Size l x w [Inches]	Trim Length [Inches]	Filament Type and EDP Number	
			Brass Wire	
2-1/4 x 1-3/8	7 x 1-5/8	5/8	89619	12
3 x 2-1/2	8-3/4 x 2-1/2	5/8	89620	12

Maintenance Brushes

Paint Brushes



Wall Brushes, Bristle



EDP 89726

Better quality natural bristle brush for general painting. Good quality black bristle. Green plastic handles.

Best quality natural bristle brush. Longer length black bristle for increased capacity and longer life. Yellow plastic handle. Protected in a vinyl sleeve.

Professional quality natural bristle brushes give the best performance and durability. Softer white bristle gives smooth finish. Great for oil paints, urethane, varnish, etc. Wood handle gives most comfort and ease of use. Protected in a vinyl sleeve. Nickel plated ferrule.

Overall Width [Inches]	Thickness [Inches]	Trim Length [Inches]	EDP Number	
Better Quality Bristle Wall Brush				
1/2	1/4	1-3/4	89711	20
1-1/4	3/8	1-3/4	89712	20
2	3/8	2	89714	20
2-1/2	3/8	2	89715	10
3	1/2	2	89716	10
4	1/2	2-1/4	89717	10
Best Quality Bristle Wall Brush				
1-1/4	3/8	2	89718	20
2	1/2	2-1/4	89719	20
3	1/2	2-1/2	89720	10
4	5/8	2-3/4	89721	10
Professional Quality Bristle Wall Brush				
2	3/4	3	89724	10
3	7/8	3-1/4	89725	5
4	7/8	3-1/2	89726	5

Wall Brushes, Synthetic



EDP 89750

Better quality polyester wall brush. Great value brush. Polyester is stiff and allows use as a glue applicator and general cleaning brush. Green plastic handle.

Best quality polyester brush. Economical, but still provides improved performance. Orange plastic handle. Packaged in vinyl sleeve.

Premier quality nylon/polyester brush for top quality finishes. Nylon component provides increased durability and excellent workability. Blue foam injected handle and full packaging.

Professional wall brush features solid round tapered polyester/nylon filaments for long lasting performance. Wood handle gives most comfort and ease of use.


Overall Width [Inches]	Thickness [Inches]	Trim Length [Inches]	EDP Number	
Better Quality Synthetic Wall Brush				
1/2	1/4	1-3/4	89734	20
1-1/4	3/8	1-3/4	89735	20
2	3/8	2	89737	20
3	1/2	2	89739	10
4	1/2	2-1/4	89740	10
Best Quality Synthetic Wall Brush				
1-1/4	3/8	2	89741	20
2	1/2	2-1/4	89742	20
3	1/2	2-1/2	89743	10
4	5/8	2-3/4	89744	10
Premier Synthetic Wall Brush				
1-1/4	1/2	2-1/4	89745	20
2	5/8	2-1/2	89746	20
3	3/4	3	89747	10
4	7/8	3-1/4	89748	10
Professional Synthetic Wall Brush				
2	3/4	2-3/4	89749	10
3	7/8	3-1/4	89750	5

"UltraGrip" brushes provide exceptional paint release and coverage. Unique rubberized handle provides the most ergonomic comfort. Stainless steel ferrule. Polyester filament.

Wall Brushes, Synthetic Pro Grip, Professional Quality



EDP 89751

Overall Width [Inches]	Thickness [Inches]	Trim Length [Inches]	Filament Type and EDP Number	
			Polyester	
3	3/4	3	89751	10
4	7/8	3-1/4	89752	10




Angular brushes designed for "cutting in" for precise painting. Usually for detail painting around trim, corners, etc. Polyester/Nylon mix is designed for all coatings. Blue plastic handle and full packaging.

Wall Brushes, Synthetic Angular



EDP 89730


Overall Width [Inches]	Thickness [Inches]	Trim Length [Inches]	Filament Type and EDP Number	
			Polyester/Nylon Mix	
1-1/2	1/2	2-1/8	89729	10
2	5/8	2-5/8	89730	10

"Blended" brush is mixture of white bristle and polyester. Results in a "fine finishing" brush for use with all stains, varnishes, urethanes, and marine coatings. This formulation combines stiffness of polyester with the smooth finish of white bristle. Ideal for woodworking and where finish quality is important. Brush has a plastic handle and a protective vinyl sleeve.

Wall Brushes, Blended



EDP 89732


Overall Width [Inches]	Thickness [Inches]	Trim Length [Inches]	Filament Type and EDP Number	
			White Bristle/Polyester Mix	
3	3/4	2-3/4	89732	10
4	3/4	2-3/4	89733	10

Inexpensively priced, single use foam paint brushes for small touch-up jobs. Use on smooth surfaces with all paints, stains, varnishes, urethanes, melamine and gloss paints. Not recommended for shellac and lacquer.

Foam Brushes



EDP 89789

Overall Width [Inches]	Thickness [Inches]	Trim Length [Inches]	EDP Number	
1	9/16	2	89788	48
2	9/16	2-7/16	89789	48
3	9/16	2-7/16	89790	36
4	9/16	2-7/16	89791	24

Maintenance Brushes

Paint Brushes



Designed to make painting easier in hard-to-reach places. Bent at 45°. Plastic handle with black bristle.

Width [Inches]	Filament Type and EDP Number	
	Black Bristle	
1-1/4	89795	10



Natural bristle brush set in seamless metal ferrule. Natural polished wood handle.

Width [Inches]	Trim Length [Inches]	Filament Type and EDP Number	
		Black Bristle	
1/4	7/8	89821	6
1/2	7/8	89823	6
3/4	1-5/16	89825	6
1	1-3/4	89826	6

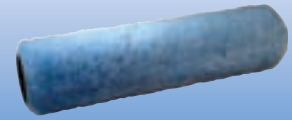


Natural bristle brush set in seamless metal ferrule. Plain wood handle. Available in camel hair and black bristle filaments.


Width [Inches]	Trim Length [Inches]	Filament Type and EDP Number		
		Camel Hair	Black Bristle	
9/64	5/8	89839	-	6
5/32	3/4	89840	89846	6
3/16	7/8	89841	-	6
7/32	7/8	89842	-	6
7/32	1	-	89848	6
1/4	1-1/16	89843	-	6
9/32	1-1/8	89844	89850	6

Econo grade refill provides the lowest cost knitted fabric. Recommended when a quality finish is not required. Econo quality PVC core. Bulk packed.

Econo Roller Refill



EDP 89753


Overall Width [Inches]	Pile Height [Inches]	Fill Material and EDP Number Polyester/Knit Fabric	
9	3/8	89753	30

These knitted polyester fabric rollers provide great coverage and a better finish. Available in a wide range of pile heights for all painting circumstances. PVC core.

General Purpose Refill



EDP 89755


Overall Width [Inches]	Pile Height [Inches]	Fill Material and EDP Number Polyester/Knit Fabric	
3	1/4	89768	20
4	1/4	89769	20
4	3/8	89770	20
9	1/4	89755	30
9	3/8	89756	25
9	1/2	89757	20
9	3/4	89758	16
9	1-1/4	89759	16

Shed-resistant roller refill for smooth surfaces. Ideal for semi-gloss and high-gloss paints.

Lint-Free Roller Refill



EDP 89796


Overall Width [Inches]	Pile Height [Inches]	Fill Material and EDP Number Polyester/Nylon Mix	
9	1/4	89796	25

"Mocryl" specialty fabric is specifically formulated to apply all high and semi-gloss paints, urethanes, enamels, varnish, and melamines. Smooth finishes. Also features solvent resistant phenolic cores.

Mocryl Specialty Refill



EDP 89767

Overall Width [Inches]	Pile Height [Inches]	Fill Material and EDP Number Mocryl/Nylon Fabric	
9	1/4	89767	20

Maintenance Brushes

Paint Rollers and Frames



Pro-Polylamb Roller Refill



EDP 89763

"Polylamb" provides a high quality polyester/nylon fabric. Excellent paint carrying capacity and high durability makes "Polylamb" perfect for all painting and industrial coatings. Solvent resistant phenolic cores.



Overall Width [Inches]	Pile Height [Inches]	Fill Material and EDP Number Polyester/Nylon Fabric	
9	3/8	89763	25
9	1/2	89764	20
9	3/4	89765	16

Pro Roller Frame

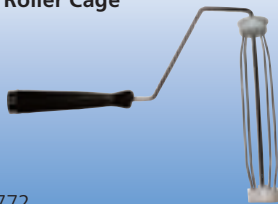


EDP 89771

5 wire cage frame allows tight fit with refills for less slipping. Comfortable plastic handle is threaded for use with extension poles (see page 85).

Overall Width [Inches]	Cage Diameter [Inches]	EDP Number	
9	1-1/2	89771	10

Econo Roller Cage



EDP 89772

Econo quality cage frame suitable for econo roller refills.

Overall Width [Inches]	Cage Diameter [Inches]	EDP Number	
9	1-1/2	89772	10

Trim Roller Cage

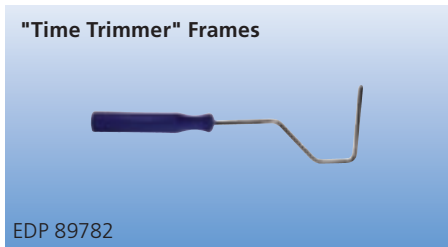


EDP 89774

Trim roller cage frame suitable for trim rollers.

Overall Width [Inches]	Cage Diameter [Inches]	EDP Number	
3	1-1/2	89774	24
4	1-1/2	89775	24

"Time Trimmer" frame for use with "Gold Stripe" and velour rollers. Threaded handle to accommodate standard extension poles (see page 85).



Frame Length [Inches]	Refill Size [Inches]	EDP Number	
12	4-6	89782	20
16	4-6	89783	20


"Gold Stripe" woven fabric is ideal for quickly painting most surfaces. Fabric over end of refill will paint both sides of corner at same time. Small diameter gets into tight spots. Also gives great finish.



Overall Width [Inches]	Pile Height [Inches]	Fill Material and EDP Number	
		Woven Fabric	
4	7/16	89779	100
6	7/16	89780	100

Mini mocryl trim rollers are best for fine finishes. Mini-diameter roller and steel handle are perfect for small area painting. Ideal for gloss paints, enamels, varnishes, melamine, marine finishes and epoxy. Refills available.



Overall Width [Inches]	Pile Height [Inches]	Fill Material and EDP Number	
		Mocryl/Nylon Blend	
3	1/8	89785	20

Maintenance Brushes

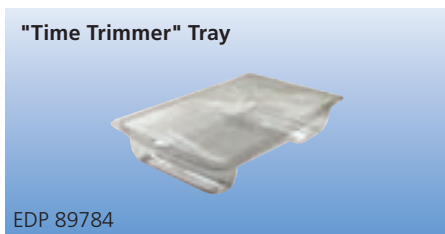
Paint Trays



Metal tray with holds 2 qt. capacity. For use with all 9" rollers.

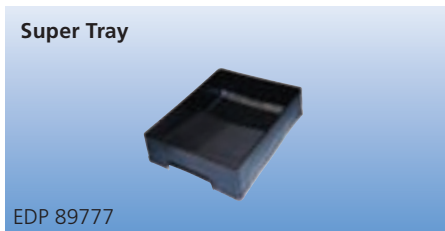


Overall Capacity	Dimensions l x w x h [Inches]	EDP Number	
2 qt.	15-3/4 x 11-3/4 x 3	89776	10



"Time Trimmer" mini tray is constructed of solvent resistant R-PetG material. 6" width to accommodate the "Gold Stripe" or velour rollers.

Overall Capacity	Dimensions l x w x h [Inches]	EDP Number	
1 qt.	12-3/4 x 6-7/8 x 2-1/4	89784	20



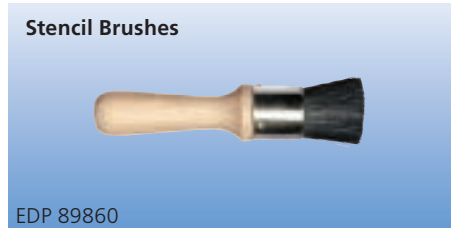
Professional plastic tray has unique design with deep well for added capacity (4 qt.) Impact resistant recycled polypropylene is also resistant to solvents. The professional's choice.

Available liners are made of solvent resistant R-PetG material. These disposable liners saves time and energy by eliminating clean up time.



Overall Capacity	Dimensions l x w x h [Inches]	EDP Number	
Super Tray 1 gal.	15 x 11-1/2 x 3-3/4	89777	10
Super Tray Liners 1 gal.	15 x 11-1/2 x 3-3/4	89778	25

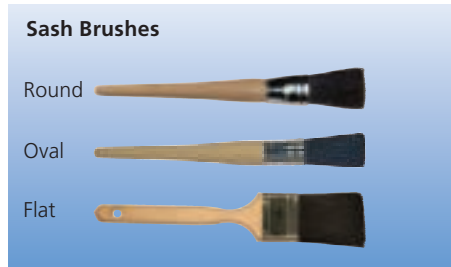
Stiff black bristle set in bright metal seamless ferrule. Clear lacquered wood handle.



EDP 89860

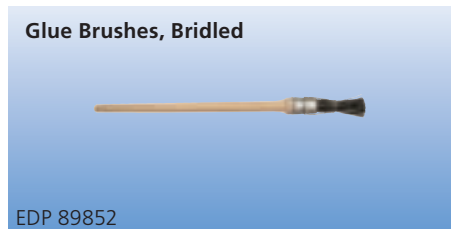
Width [Inches]	Trim Length [Inches]	Filament Type and EDP Number Black China Bristle	
3/4	1-1/4	89858	12
1	1-1/8	89860	12
1-1/4	1-1/2	89861	12
1-1/2	1-5/8	89862	12
2	1-3/4	89863	12

PFERD ADVANCE BRUSH sash brushes are filled with natural black bristle, and are set into bright metal ferrules. Also used for mold cleaning and as parts cleaning brushes, and for application of gunk, adhesive, and grease in industrial applications.



Brush Size	Width [Inches]	Trim Length [Inches]	Filament Type and EDP Number Black Bristle	
Round Sash Brush				
6	7/8	2-1/8	89665	12
8	1	2-1/8	89666	12
10	1-1/8	2-1/2	89667	12
Oval Sash Brush				
2	1/2	1-13/16	89674	12
4	13/16	2	89675	12
6	1	2-1/16	89677	12
8	1-1/8	2-1/4	89678	12
10	1-1/4	2-1/4	89679	12
Flat Sash Brush				
2	9/16	2-3/4	89692	12

Can also be used as a parts cleaning brush. Plain wood handle. Stiff grey bristle in metal ferrule, bridled.



EDP 89852

Brush Size	Width [Inches]	Trim Length [Inches]	Filament Type and EDP Number Grey Bristle	
6	1/2	1-1/2	89852	12
16	1	2	89855	12

Maintenance Brushes

Painters Sundries



Roof Brushes, Tufted



EDP 89800

For applying roof and foundation coatings. Wood block. Requires tapered pole (see page 85 for information). For use with hot or cold coatings.

Block Size l x w [Inches]	No. Rows	Trim Length [Inches]	Handle Type	Filament Type and EDP Number Tampico	
6-1/4 x 1-3/4	3 (knot)	3-1/2		89800	12
8-1/4 x 1-3/4	4 (knot)	4		89802	12

Roof Brush, Block Style

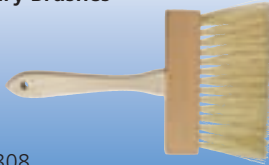


EDP 89804

For applying cold coatings to roofs and foundations. Wood block. Requires tapered pole (see page 85 for information).

Block Size l x w [Inches]	Trim Length [Inches]	Handle Type	Filament Type and EDP Number Synthetic	
6-1/4 x 1-3/4	2-1/2		89804	12

Masonry Brushes



EDP 89808

White Tampico fibre set into hardwood block. Extra heavy fill, handle attached.

Block Size l x w [Inches]	No. Rows	Trim Length [Inches]	Filament Type and EDP Number Tampico	
6 x 7/8	2	3	89808	12
6-1/2 x 2	5	4	89814	12
6-1/2 x 1-3/4	5	3-1/2	89809	12

Whitewash Brush



EDP 89818

White Tampico fibre staple set into hardwood block. Tapered handle hole (see page 85 for handle information).

Block Size l x w [Inches]	No. Rows	Trim Length [Inches]	Handle Type	Filament Type and EDP Number Tampico	
8 x 1	2	2-1/2		89818	12

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