

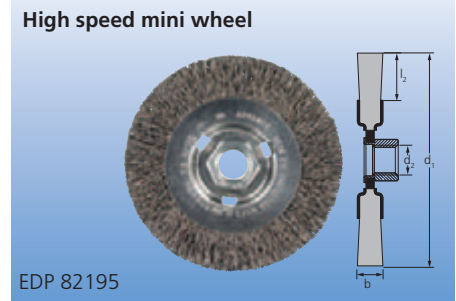
Crimped wire wheel brushes are less aggressive than knot wire type for lighter-duty applications. Crimped wire is more flexible, and leaves a superior surface finish.


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



Recommendation for use
Recommended for use on angle grinders.

Ordering note
Please see below for thread adapters.

Made in the USA.



Diameter d ₁ [Inches]	Thread size d ₂ [Inches]	Trim length l ₂ [Inches]	Face width b [Inches]	Wire diameter and EDP number .014	Recom. speed [RPM]	MSFS max. [RPM]	
Carbon steel wire							
4	5/8-11	11/16	1/2	82195 P	6,000 - 12,500	12,500	5/5
4-1/2	5/8-11	15/16	1/2	80024	6,000 - 12,500	12,500	5
5	5/8-11	1-1/8	1/2	80036	6,000 - 12,500	10,000	5
Stainless steel wire (INOX)							
4	5/8-11	11/16	1/2	82316	5,000 - 6,000	12,500	5
4-1/2	5/8-11	15/16	1/2	80354	5,000 - 6,000	12,500	5
5	5/8-11	1-1/8	1/2	80366	5,000 - 6,000	10,000	5
Brass wire							
4	5/8-11	11/16	1/2	82367	5,000 - 6,000	12,500	5

Minigrinder adapter insert	Fits brush thread	Fits tool spindle thread	EDP number	
 EDP 84646	5/8-11	M10x1.25	84645 P	5/5
	5/8-11	M10x1.50	84646 P	5/5
	5/8-11	3/8-24	84647 P	5/5



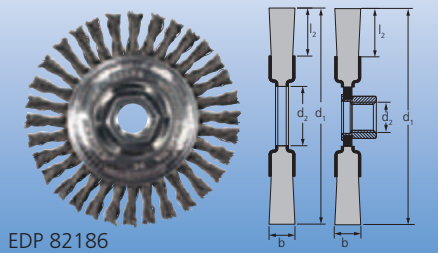
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The minimum order quantity of POP items is printed in "blue" accordingly.

Power wire brushes

Threaded knot wheel brushes

Stringer bead twist



EDP 82186

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.


Designed for applications requiring aggressive brushing action.

Recommendation for use

For optimal performance, use on angle grinders.



Made in the USA.



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 .020	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	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
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	3/8-24	32	3/4	3/16	82309	8,000 - 15,000	20,000	10
4-1/2	5/8-11	32	1	3/16	82315	8,000 - 15,000	20,000	10
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
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

Minigrinder adapter insert	Fits brush thread	Fits tool spindle thread	EDP number	
	5/8-11	M10x1.25	84645 P	5/5
	5/8-11	M10x1.50	84646 P	5/5
	5/8-11	3/8-24	84647 P	5/5

EDP 84646



COMBITWIST® advantages

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

Recommendation for use

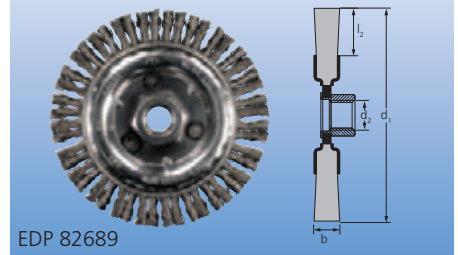
For optimal performance, use on angle grinders.


Made in the USA.

PFERDERGONOMICS®



Stringer bead twist, COMBITWIST®




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]		
					.020				
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	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	8,000 - 15,000	20,000	10	
4-7/8	5/8-11	48	3/4	3/16	82759	7,000 - 15,000	15,000	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	




PFERDMEDIA

For more information and to see a product video, visit pferdusa.com/vcombitwist



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PFERD products are engineered for optimal use in the pipeline industry. Please request our Pipeline catalogue for more information!



Encapsulation material gradually wears away to consistently maintain a short trim length for most 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 13.

Recommendation for use

For optimal performance, use on angle grinders.

Made in the USA.

Stringer bead twist, ECAP® encapsulated



EDP 83511

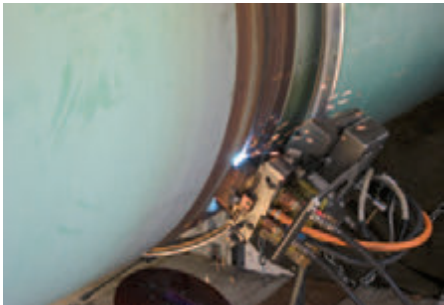
Diameter d ₁ [Inches]	Thread size d ₂ [Inches]	Trim length l ₂ [Inches]	Face width b [Inches]	ECAP® grade	Wire diameter and EDP number		Recom. speed [RPM]	MSFS max. [RPM]	
					.014	.020			

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



Automatic welding machine

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.

For additional information on ECAP® encapsulation, please see page 13.

Recommendation for use

For use with automatic orbital welding equipment.

Made in the USA.

J-BEVEL brush, stringer bead twist, ECAP® encapsulated



EDP 83515

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
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Minigrinder adapter insert	Fits brush thread	Fits tool spindle thread	EDP number	
	5/8-11	M10x1.25	84645 P	5/5
	5/8-11	M10x1.50	84646 P	5/5
	5/8-11	3/8-24	84647 P	5/5

EDP 84646



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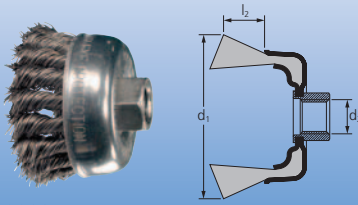


PFERD products are engineered for optimal use in the pipeline industry. Please request our Pipeline catalogue for more information!

Power wire brushes

Knot cup brushes

External nut, single row, standard twist



EDP 82232

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


Recommendation for use



Suitable tool drives: stationary machines, and angle grinders. When using angle grinders, please observe maximum safe free speed (MSFS).

Please see below for thread adapters.

Made in the USA.



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	3/8-24	18	7/8	82223	82224	-	-	7,000 - 14,000	14,000	5
2-3/4	M10x1.50	18	7/8	-	82226 P	-	-	7,000 - 14,000	14,000	5
2-3/4	M10x1.25	18	7/8	-	82228 P	-	-	7,000 - 14,000	14,000	5/5
2-3/4	M14x2.0	18	7/8	-	82230 P	-	-	7,000 - 14,000	14,000	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	3/8-24	20	7/8	-	82236	-	-	6,000 - 12,500	12,500	1
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	-	-	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	3/8-24	18	7/8	-	82334	-	-	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
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	-	-	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

Minigrinder adapter insert	Fits brush thread	Fits tool spindle thread	EDP number	
	5/8-11	M10x1.25	84645 P	5/5
	5/8-11	M10x1.50	84646 P	5/5
	5/8-11	3/8-24	84647 P	5/5

EDP 84646



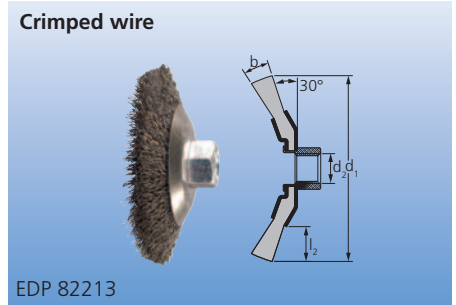
Crimped wire bevel brushes are less aggressive than knot wire type for lighter-duty applications. Crimped wire is more flexible, and leaves a superior surface finish.


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 tool drives: designed for use on angle grinders.

Made in the USA.



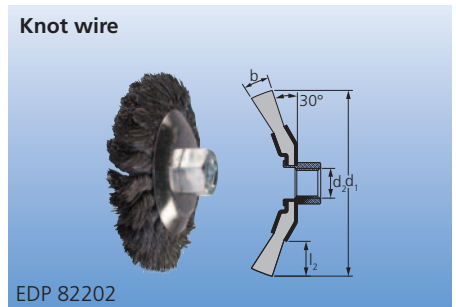
Diameter d ₁ [Inches]	Thread size d ₂ [Inches]	Trim length l ₂ [Inches]	Face width b [Inches]	Wire diameter and EDP number	Recom. speed [RPM]	MSFS max. [RPM]	
				.014			
Carbon steel wire							
4	5/8-11	3/4	1/2	82213 P	6,000 - 12,500	12,500	5/5
Stainless steel wire (INOX)							
4	5/8-11	3/4	1/2	82370 P	5,000 - 12,500	12,500	5/5






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.

Made in the USA, Germany.



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				
					.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	-	82505	7,500 - 15,000	15,000	1
7	5/8-11	28	1-1/8	1/2	-	82509	5,000 - 9,000	9,000	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	Fits brush thread	Fits tool spindle thread	EDP number	
	5/8-11	M10x1.25	84645 P	5/5
	5/8-11	M10x1.50	84646 P	5/5
	5/8-11	3/8-24	84647 P	5/5

EDP 84646

For mounting wheel brushes up to 4" 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

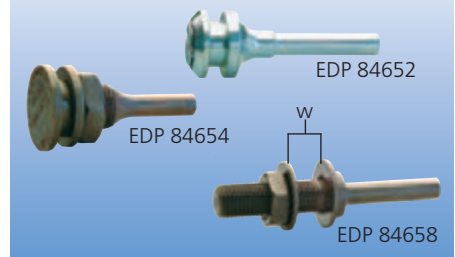
Brush mounts between a single washer and the flat head. Locked in place with a reverse-threaded nut. Allows the brush to be close to the workpiece. Threaded shoulder.


Nut type

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

For spindle extensions for stem mounted brushes, see our "Power tools" catalogue (section 209).

Drive arbors for wheel brushes

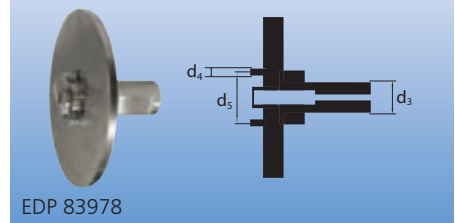



Fits brush ID [Inches]	Clamping width w [Inches]	Shank dia. [Inches]	Head/flange dia. [Inches]	Overall length [Inches]	EDP number	
Chuck type						
1/4	3/16 to 3/8	1/4	9/16	2-1/8	84650	5
3/8	3/16 to 3/8	1/4	11/16	2-1/8	84651	5
1/2	3/16 to 3/8	1/4	3/4	2-1/8	84652	5
Flat head type						
3/8	0 to 1/2	1/4	3/4	1-5/8	84654	5
1/2	0 to 1/2	1/4	15/16	1-7/8	84655	5
1/2, 5/8	1/8 to 1/2	1/4	15/16	1-7/8	84656	5
Nut type						
1/4	Up to 7/8	1/4	5/8	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





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

Drive arbors for M-BRAD® disc brushes



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	1-1/4	83982	1
5-6	3/4	2	1/4	1-1/4	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	1-1/4	83978	1
5-6	1	2	1/4	1-1/4	83979	1
7-8	1	3	1/4	3	83980	1
9-10	1	3	1/4	3	83981	1

Minigrinder adapter insert	Fits brush thread	Fits tool spindle thread	EDP number	
 EDP 84646	5/8-11	M10x1.25	84645 P	5/5
	5/8-11	M10x1.50	84646 P	5/5
	5/8-11	3/8-24	84647 P	5/5