

Tiger® Surface Conditioning Discs & Back-up Pads / Wire Wheels

Surface Conditioning Discs



Surface blending on stainless steel



Hook & Loop Style Discs



Dia.	Grade	Part No.
2"	Very Fine (Blue)	51503
	Medium (Maroon)	51504
	Coarse (Brown)	51505
3"	Very Fine (Blue)	51506
	Medium (Maroon)	51507
	Coarse (Brown)	51508
4"	Very Fine (Blue)	51509
	Medium (Maroon)	51510
	Coarse (Brown)	51511
4-1/2"	Very Fine (Blue)	51512
	Medium (Maroon)	51513
	Coarse (Brown)	51514
5"	Very Fine (Blue)	51515
	Medium (Maroon)	51516
	Coarse (Brown)	51517
6"	Very Fine (Blue)	51518
	Medium (Maroon)	51519
	Coarse (Brown)	51520
7"	Very Fine (Blue)	51521
	Medium (Maroon)	51522
	Coarse (Brown)	51523
8"	Very Fine (Blue)	51524
	Medium (Maroon)	51525
	Coarse (Brown)	51526

Hook & Loop Style Back-up Pads

1/4" Stem



Size	Max. RPM	Part No.
2" x 1/4" Stem	16,000	51561
3" x 1/4" Stem	16,000	51562
4" x 1/4" Stem	16,000	51563
4-1/2" x 5/8"-11 Arbor Hole	13,000	51569
5" x 5/8"-11 Arbor Hole	10,000	51575
6" x 5/8"-11 Arbor Hole	8,000	51577
7" x 5/8"-11 Arbor Hole	6,000	51578
8" x 5/8"-11 Arbor Hole	4,500	51579

Do not exceed the maximum RPM of the back-up pad.

Plastic Button Style Back-up Pads

1/4" Stem



Dia.	Max. RPM	Part No.
1-1/2"	30,000	51550
2"	25,000	51551
3"	20,000	51552
4"	12,000	51553



Industrial Brushes

Brushing Guide

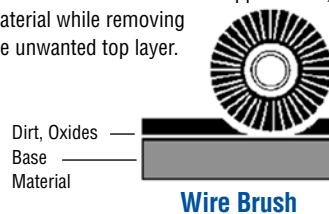
Proper Brushing Procedure

For maximum brushing results, use the lightest pressure necessary to accomplish the job. Let the wire tips do the work; excessive pressure can cause wire breakage.



Wire Brushes vs. Abrasive Wheel

Power brushing removes dirt, contaminants and oxides from base material, not the base material itself. In some applications, hard abrasive wheels will remove the base material while removing the unwanted top layer.



Safety Guide

No. 1

Safety 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.

No. 2

Protective Equipment

Appropriate protective clothing and equipment must be used where there is a possibility of injury that can be prevented by such clothing or equipment.

No. 3

Guards

Keep all machine guards in place.

No. 4

Speeds

Observe all speed restrictions indicated on brushes, containers, labels or printed pertinent literature. MSFS, "Maximum Safe Free Speed" should not be exceeded under any circumstances.

Bench and Straight Grinder Wire Wheels



Steel Wire Wheels

- Provide fine to medium brushing action.
- Excellent for uneven surfaces.



Diameter	Wire Size	Arbor Hole	Face Width	Max. RPM	Part No.
6"	.014	5/8"-1/2"	1/2"	6,000	BW-605
			1"		BW-610

Wire Brushes / Wheels

Knot Style for Small Angle Grinders



Standard Twist Wheels

- Cleaning grooves and bead welds.
- Easy to handle.



Stringer Bead Twist Wheels

- Cleaning of stringer bead welds.
- Great for fillet weld cleaning.



KEY

- POP
- Box
- Bulk

Dia.	Wire Size	Arbor Hole	Face Width	Max. RPM	Part No.	
					Steel	Stainless
4"	.014	5/8"-11 UNC	1/2"	20,000	BW-750 •	BW-9750 •
		1/2"-13 UNC			BW-751 •	BW-9751 •
		M-10 x 1.25			BW-752 •	BW-9752 •
		M-10 x 1.50			BW-753 •	BW-9753 •
		M-14 x 2.0			BW-754 •	BW-9754 •
		3/8"-24 UNF			BW-755 •	BW-9755 •

Dia.	Wire Size	Arbor Hole	Face Width	Max. RPM	Part No.	
					Steel	Stainless
4"	.020	5/8"-11 UNC	3/16"	20,000	BW-840 •	BW-9840 •
		1/2"-13 UNC			BW-841 •	BW-9841 •
		M-10 x 1.25			BW-842 •	BW-9842 •
		M-10 x 1.50			BW-843 •	BW-9843 •
		M-14 x 2.0			BW-844 •	BW-9844 •
		3/8"-24 UNF			BW-845 •	BW-9845 •

Crimped Wire Wheels for Small Angle Grinders



Crimped Steel Wire Wheels

- Fast cleaning action.
- Surface preparation.



Dia.	Wire Size	Arbor Hole	Face Width	Max. RPM	Part No.
4"	.014	5/8"-11 UNC	1/2"	14,000	BW-450 •
		1/2"-13 UNC			BW-451 •
		M-10 x 1.25			BW-452 •
		M-10 x 1.50			BW-453 •
		M-14 x 2.0			BW-454 •
		3/8"-24 UNF			BW-455 •

Small Diameter Crimped Wire Wheels



Small Wire Wheels

- Clean internal surfaces and hard-to-reach areas.
- For use on high speed grinders.



Dia.	Wire Size	Arbor Hole	Face Width	Max. RPM	Part No.	
					Steel	Stainless
3"	.0118	1/2"-3/8"	1/2"	20,000	BW-701 -	
					BW-702 -	
	.014				BW-702C •	
					BW-703 -	
	.0118				BW-704 -	BW-9704 -
					.014	BW-704C •

Brush Drive Arbor

Brush drive arbors are display packed for P.O.P. merchandising.

Arbor Size: 1/2"

Shank Size: 1/4"

Overall Length: 1-3/4"

Part No. BW-594



Threaded Arbor Adapters

Small, high speed angle grinder adapters used to convert 5/8"-11 UNC.



Arbor Hole	Part No.
5/8"-11 to M-10 x 1.25	BW-590 -
5/8"-11 to M-10 x 1.50	BW-591 -
5/8"-11 to 3/8"-24	BW-592 -

Stem Mounted Wire Brushes



Crimped Wire End Brushes w/ 1/4" Stem



Dia.	Wire Size	Trim Length	Max. RPM	Part No.	
				Steel	Stainless
3/4"	.014	7/8"	22,000		BW-9206 -
				BW-206 -	
				BW-204 -	
				BW-203 -	
				BW-203C •	
1"	.014	7/8"	22,000	BW-210 -	BW-9210 -
				BW-209 -	
				BW-215C •	



Knot Style End Brushes w/1/4" Stem

Dia.	Wire Size	Trim Length	Max. RPM	Part No.	
				Steel	Stainless
3/4"	.020	7/8"	22,000	BW-207 -	
				BW-208 -	
				BW-208C •	
1-1/8"	.020	7/8"	22,000	BW-211 -	
				BW-212 -	
				BW-212C •	BW-9212C •

Stem Mounted Wire Brushes

Crimped Wire Brushes w/1/4" Stem



KEY	
•	POP
□	Box
-	Bulk

Diameter	Wire Size	Trim Length	Max. RPM	Part No.	
				Steel	Stainless
Light Duty Cup Brush					
2-1/2"	.014	1"	4,500	BW-213C •	
Wheels					
2"	.0118	1/2"	20,000	BW-217 -	
				BW-217C •	
3"	.008	1"	20,000	BW-218 -	
	.0118			BW-219 -	
	.014			BW-220 -	BW-9220 -
Flared Wheels					
2-1/2"	.014	1"	20,000	BW-216 -	
				BW-216C •	
Encapsulated Wire Wheel					
3"	.0118	1"	20,000	BW-214C •	

Crimped Wire and Knot Style Cup Brushes

Crimped Wire Cup Brushes

- Fast cleaning action.
- Rust removal.
- Surface Preparation.



Dia.	Wire Size	Arbor Hole	Trim Length	Max. RPM	Part No.	
					Steel	Stainless
4"	.014	5/8"-11	1-3/8"	9,000	BW-339 □	
	.020				BW-340 □	
5"	.020	5/8"-11	1-3/8"	9,000	BW-350 □	BW-9350 □
6"	.014	5/8"-11	1-1/4"	8,000	BW-359 □	
	.020				BW-360 □	

Heavy Duty Knot Brushes

- Fast cleaning action on large surfaces.
- Cleaning corners and hard-to-reach places.
- Long lasting.



Dia.	Wire Size	Arbor Hole	Trim Length	Max. RPM	Row Count	Part No.	
						Steel	Stainless
4"	.014	5/8"-11	1-1/4"	9,000	1	BW-440 □	
	.020		1-3/8"			BW-2441□	
	.023		1-1/4"			BW-441 □	BW-9441□
6"	.014	5/8"-11	1-1/4"	7,000	1	BW-459 □	
	.023					BW-461 □	
	.035		1-3/8"			BW-460 □	BW-9460□
	.023					BW-2461□	BW-9461□
.035	BW-2460□						

Cup Brushes for Small Angle Grinders

Crimped Wire Cup Brushes

- Greater brushing flexibility.
- Removes light rust & oxides.
- Fast brushing action.



Dia.	Wire Size	Arbor Hole	Trim Length	Max. RPM	Part No.	
					Steel	Stainless
2-3/4"	.014	5/8"-11 UNC	7/8"	14,000	BW-320 •	
		1/2"-13 UNC			BW-321 •	
		M-10 x 1.25			BW-322 •	
		M-10 x 1.50			BW-323 •	
		M-14 x 2.0			BW-324 •	
		3/8"-24 UNF			BW-325 •	
3-1/2"	.014	5/8"-11 UNC	3/4"	12,000	BW-326 □	BW-9326 □

Wire Brushes / Wheels

Cup Brushes for Small Angle Grinders

Knot Style Brushes

- Weld cleaning.
- Pipe bevel cleaning.
- Cleaning hard-to-reach areas.



Dia.	Wire Size	Arbor Hole	Trim Length	Max. RPM	Row Count	Part No.	
						Steel	Stainless
2-3/4"	.014	5/8"-11 UNC	7/8"	14,000	1	BW-420 •	BW-9420 •
		1/2"-13 UNC				BW-421 •	BW-9421 •
		M-10 x 1.25				BW-422 •	BW-9422 •
		M-10 x 1.50				BW-423 •	BW-9423 •
		M-14 x 2.0				BW-424 •	BW-9424 •
3-1/2"	.020	5/8"-11 UNC	7/8"	13,000	1	BW-425 □	BW-9425 □

KEY

- POP
- Box
- Bulk

Knot Style Wire Wheel Brushes

Standard Twist Wheels

- Fast cleaning action.
- Weld cleaning.
- Surface preparation.



Dia.	Wire Size	Arbor Hole	Face Width	Max. RPM	Part No.	
					Steel	Stainless
3"	.014	1/2"-3/8"	3/8"	25,000	BW-730C •	BW-720C •
4"	.014	1/2"-3/8"	1/2"	20,000	BW-740 -	
	.020				BW-756 -	
6"	.016	5/8"-1/2"	1/2"	9,000	BW-763 -	BW-9765 -

Stringer Bead Twist Wheels

- Special construction to prevent unwinding of knots.
- Cleaning stringer bead welds.
- Quick mount threaded nut.



Dia.	Wire Size	Arbor Hole	Face Width	Max. RPM	Part No.	
					Steel	Stainless
5"	.020	5/8"-11 UNC	3/16"	12,500	BW-855 •	
		M-14 x 2.0			BW-856 •	
6"	.020	5/8"-11 UNC	3/16"	12,500	BW-861 •	BW-862 •
	.023		1/2"	9,000	BW-760 •	
6-7/8"	.020	5/8"-11 UNC	3/16"	9,000	BW-865 •	

Packaged Kits

Air Tool / Drill Accessory Kit

Contains 2 brushes and 2 wheels:

- 3/4" crimped wire end brush, .020 steel wire.
- 1-3/4" crimped wire cup brush, .0118 steel wire.
- 3" crimped wire wheel, .014 steel wire.
- 3" abrasive flap wheel, 80 grit / aluminum oxide grain.

Part No. BW-GK



Mini Grinder Kit

Contains 1 brush and 2 wheels:

- 2-3/4" knot wire cup brush, .014 steel wire.
- 4" stringer bead knot wire wheel, .020 steel wire.
- 4-1/2" abrasive flap disc, 60 grit / zirconium grain.

Part No. BW-DK



Pipe Jacks / Scratch Brushes / Industrial Tape

Folding V-Head Pipe Stand

- 2,000 lb. capacity.
- Handles up to 36" (900 mm) pipe.
- Folding legs.
- Set screw.
- 1-1/2" acme adjustment thread.
- V-head locks for storage.
- Lightweight (21 lbs.).
- Convenient carrying handle.
- Large comfortable adjustment handle.
- 1" (25 mm.) square legs.
- Adjustable 27" to 42" height.

Part No. FVJACK



Tall V-Head Stand

- 2,500 lb. capacity
- Handles up to 36" (900 mm) pipe.
- Strut tension plate for lateral support.
- 1" square tube base construction.
- Lockwasher for fast height positioning.
- 1-1/2" (38 mm) Acme threads for accurate safe, setting.
- Heavy Duty, convenient adjustment handle.
- Set screw for doubles your margin of safety.
- Set screw locks head to stand for transportation.
- Load tested for quality assurance.

Part No. HDVJACK



Ball Transfer Head

- Fits over V-head.

Part No. OBTH



Scratch Brushes

Weld Cleaning and Inspection Brushes

Choice of brush material is stainless steel or straight brass, both materials are .006 gauge wire.



Block Size	No. of Row	Trim Length	Handle	Part No.	
				Steel	Brass
7-1/2" x 1/2"	3 x 7	1/2"	Wood	BW-189**	
				BW-190	
			Plastic	BW-190C*	
				BW-192	
8-3/4" x 1/2"	2 x 9	5/8"	Wood	BW-195	
				BW-195C*	
7-1/2" x 1/2"	3 x 7	1/2"	Wood		BW-205
					BW-205C*

* "C" items are packed 2 per card.

** Hand tied

Curved Handle Brushes



Block Size	Brush Length	No. of Row	Trim Length	Part No.	
				Steel	Stainless
13-3/4" x 15/16"	6"	3 x 19	1-1/8"	BW-103	BW-9103
13-3/4" x 1-1/8"		4 x 19	1-3/16"	BW-104	BW-9104

Shoe Handle Brush



Block Size	Brush Length	No. of Row	Trim Length	Part No.	
				Steel	Stainless
10" x 1-1/16"	5"	4 x 16	1-3/16"	BW-112	BW-9112

Acid Brushes



Width	Trim Length	Overall Length	Part No.
5-1/16"	3/4"	5-3/4"	BW-180 ¹
			BW-180C*
1/2"	3/4"	5-3/4"	BW-181 ¹

* "C" items are packed 6 per card.

¹ Sold by the gross.

Chipping Hammer Brushes

Brush material is .012 gauge steel wire.



Block Size	Brush Length	No. of Row	Trim Length	Part No.
4-5/8" x 7/8"	4-1/2"	3 x 15	1-1/8"	BW-135
				BW-135C*

* Stock numbers ending in "C" are display packed for P.O.P. merchandising.

3M INDUSTRIAL TAPE

Tartan™ Masking Tape 200

- Utility-purpose masking tape with rubber adhesive for general use.
- Suited for holding, bundling, sealing, and other non-critical masking applications.
- Use for jobs where pressure sensitive tape is needed.
- Economical natural colored tape available in three widths.
- Use in temperatures up to 200° F.
- Natural color tape.



Part No./UPC	Description
02120071183	1/2" x 36 yds. (12 mm x 33 m)
02120071180	1" x 36 yds. (25 mm x 33 m)
02120071177	2" x 36 yds. (50 mm x 33 m)

Double Coated Urethane Foam Tapes 4016

- This tape has an acrylic adhesive that seals, cushions vibrations, resists impacts, and insulates.
- It adheres to most clean, dry, rough, or smooth surfaces.
- Resists heat up to 380° F for short periods and 225° F for an extended time.



Part No./UPC	Description
02120006453	1/2" x 36 yds. (12 mm x 33 m)
02120006455	1" x 36 yds. (25 mm x 33 m)