

1-800-GRAINGER (472-4643)

### The Operational Advantages of Power Brushes

**THEY DON'T REMOVE BASE MATERIAL**

The impact action of the wire tips of a rotating brush behave in the same manner as the media in a blasting operation and they have the same ability to separate surface contaminants without damaging the substrate.

Its compliant nature makes it an excellent choice for removing burrs and blending sharp edges without changing overall part dimensions after sawing, cutting, grinding, and machining operations.

**NON-LOADING**

Unlike bonded, coated, and non-woven abrasive products, power brushes will not load when used on softer materials or when removing paint or similar coatings from a harder surface. Because a power brush consists of a collection of individual wire filaments, there is no place for debris to accumulate and prevent the sharp wire tips from striking the work.

**SELF-SHARPENING**

As a power brush is used, the wire tips will naturally tend to wear to a point due to contact with the working surface. It is possible to take advantage of this self-sharpening action by periodically switching the mounting position of wheel brushes to maintain their speed and effectiveness.



**Crimped Wire Cup Brush**



**Twisted Wire Wheel Brush**



**Knotted Wire Cup Brush**



**Stringer Bead Wheel Brush**



### Arbor-Mount Grinder Wire Brushes

All brushes are made with high-tensile, heat-treated carbon steel wire, except where otherwise specified.

**Crimped Wire Cup**—Greater brushing flexibility for larger, flat surfaces and relatively fine finish.

**Knotted Wire Cup**—For tight operations, corners and angle welds, curved surfaces, and pipe bevel cleaning. Double-row brush is for aggressive action in severe applications.

**Knotted Wire Wheel**—Saucer-shaped radial wheels provide heavy-duty brushing and material removal, and still maintain some flexibility for cleaning fillet welds and reaching into corners. Use with right angle grinders.

**Stringer Bead Wheel**—Narrow brush face for stringer weld, piping, pipe grooves, and other hard-to-reach areas. Stainless steel brushes are recommended for aluminum, nonferrous alloyed metals, and stainless steel.

**Twisted Wire Wheel**—For broader cleaning coverage, deburring, edge blending, and finishing. 3" wheels are used on straight grinders; 4" wheels are used on small angle grinders; and 6" wheels are used on bench and right angle grinders. Stainless steel brushes are recommended for aluminum, nonferrous alloyed metals, and stainless steel.

Brush Dia.	Wire Dia.	Arbor Hole Size	Trim Length	Max. RPM	Brand	Item No.
<b>Crimped Wire Cup Carbon Steel</b>						
2 3/4 in	0.02 in	3/8"-24	1 in	14,000	Weiler	5HD66
	0.014 in	3/8"-24	1 in	14,000	Weiler	5HD67
3 in	0.014 in	1/2"-13	1 in	14,000	Weiler	3AC12
	0.014 in	5/8"-11	1 in	14,000	Weiler	3AC13
	0.014 in	M10 x 1.25mm	1 in	14,000	Weiler	3AC10
3 1/2 in	0.014 in	5/8"-11	3/8 in	12,000	Weiler	6JXE3
4 in	0.014 in	5/8"-11	1 3/8 in	10,200	Weiler	4F715
	0.02 in	5/8"-11	1 3/8 in	10,200	Weiler	5X893
5 in	0.02 in	5/8"-11	1 1/4 in	9,000	Weiler	4F716
6 in	0.014 in	5/8"-11	1 1/4 in	6,600	Weiler	4F717
	0.02 in	5/8"-11	1 1/4 in	6,600	Weiler	5X894
<b>Stainless Steel</b>						
3 1/2 in	0.014 in	5/8"-11	3/8 in	12,000	Weiler	1PAJ9
4 in	0.02 in	5/8"-11	1 3/8 in	10,200	Weiler	1PAK1
<b>Crimped Wire Wheels Carbon Steel</b>						
2 in	0.014 in	1/2 in	1/2 in	20,000	—	443N44
	0.014 in	1/2 in	1 in	20,000	—	443M47
3 in	0.014 in	1/2 in	1 in	20,000	—	443N32
	0.008 in	1/2 in	3/8 in	6,000	—	443N71
4 in	0.008 in	1/2 in	3/8 in	12,500	—	443P16
	0.012 in	1/2 in	3/8 in	6,000	—	443P11
	0.012 in	1/2 in	3/8 in	12,500	—	443P06
	0.014 in	1/2 in	3/8 in	6,000	—	443M81
	0.014 in	1/2 in	3/8 in	6,000	—	443N55
	0.008 in	5/8 in	1 1/4 in	6,000	—	443N21
	0.008 in	5/8 in	1 3/8 in	6,000	—	443M95
	0.009 in	5/8 in	1 1/4 in	6,000	—	443M68
	0.009 in	5/8 in	1 3/8 in	6,000	—	443M93
	0.012 in	5/8 in	1 1/4 in	6,000	—	443M49
	0.012 in	5/8 in	1 3/8 in	6,000	—	443M91
6 in	0.014 in	5/8 in	1 1/4 in	6,000	—	443M45
	0.014 in	5/8 in	1 3/4 in	6,000	—	443M58
	0.014 in	5/8 in	1 1/4 in	6,000	—	443M97
	0.014 in	5/8 in	1 1/4 in	6,000	—	443N80
	0.014 in	5/8 in	1 3/8 in	4,500	—	443N51
	0.014 in	5/8 in	1 3/8 in	6,000	—	443M67
	0.014 in	5/8 in	1 3/8 in	6,000	—	443N14
	0.014 in	2 in	1 1/4 in	6,000	—	443N11
7 in	0.014 in	5/8 in	1 3/8 in	6,000	—	443M78
	0.014 in	5/8 in	1 3/8 in	6,000	—	443M88
	0.008 in	5/8 in	1 3/8 in	4,500	—	443M21
	0.014 in	5/8 in	1 3/4 in	6,000	—	443M11
	0.014 in	5/8 in	1 3/8 in	4,500	—	443M40
	0.014 in	2 in	1 1/4 in	4,500	—	443N10
	0.014 in	2 in	1 3/4 in	4,500	—	443M42
	0.014 in	2 in	1 3/4 in	4,500	—	443N83
	0.014 in	2 in	1 3/8 in	4,500	—	443P26
	0.012 in	2 in	2 in	3,600	—	443N62
10 in	0.014 in	3/4 in	2 in	4,000	—	443N01
	0.014 in	2 in	1 3/4 in	4,000	—	443N45
	0.014 in	2 in	2 in	3,600	—	443M94
	0.014 in	2 in	2 in	4,000	—	443N89
	0.02 in	2 in	2 in	3,600	—	443N43
<b>Stainless Steel</b>						
3 in	0.014 in	1/2 in	1 in	20,000	—	443M70
6 in	0.012 in	5/8 in	1 1/4 in	6,000	—	443N03
	0.012 in	5/8 in	1 3/8 in	4,500	—	443N16
8 in	0.012 in	2 in	1 3/8 in	4,500	—	443P44
<b>Knotted Wire Cup Carbon Steel</b>						
	0.014 in	5/8"-11	1 in	14,000	Weiler	6JXD9
2 3/4 in	0.02 in	1/2"-13	1 in	14,000	Weiler	3AC08
	0.02 in	5/8"-11	1 in	14,000	Weiler	3AC09
	0.02 in	M10 x 1.25mm	1 in	14,000	Weiler	3AC06
3 1/2 in	0.014 in	5/8"-11	1 1/4 in	9,000	Weiler	2F216
	0.023 in	5/8"-11	3/8 in	13,000	Weiler	1PAJ7
4 in	0.014 in	5/8"-11	1 1/4 in	10,200	Weiler	4F713
	0.023 in	5/8"-11	1 1/4 in	10,200	Weiler	5X891
5 in	0.023 in	5/8"-11	1 3/8 in	7,000	Weiler	4F714

Brush Dia.	Wire Dia.	Arbor Hole Size	Trim Length	Max. RPM	Brand	Item No.
	0.014 in	5/8"-11	1 3/8 in	6,600	Weiler	3H593
6 in	0.023 in	5/8"-11	1 3/8 in	6,600	Weiler	5X892
	0.023 in	5/8"-11	1 3/8 in	6,600	Weiler	2F215
	0.035 in	5/8"-11	1 3/8 in	6,600	Weiler	6JXD5
<b>Stainless Steel</b>						
2 3/4 in	0.02 in	5/8"-11	1 in	14,000	Weiler	1PAJ6
3 1/2 in	0.023 in	5/8"-11	3/8 in	13,000	Weiler	1PAJ8
4 in	0.014 in	5/8"-11	1 1/4 in	10,200	Weiler	1PAK2
	0.023 in	5/8"-11	1 1/4 in	10,200	Weiler	1PAH5
<b>Knotted Wire Wheels Carbon Steel</b>						
3 in	0.014 in	1/2 in	5/8 in	25,000	—	443M74
4 1/2 in	0.02 in	5/8"-11	1 in	15,000	Weiler	6JXE9
6 in	0.02 in	5/8"-11	1 1/4 in	12,500	—	443N31
<b>Stainless Steel</b>						
4 in	0.014 in	5/8"-11	3/8 in	6,000	Weiler	1PAJ5
4 1/2 in	0.014 in	5/8"-11	1 in	15,000	Weiler	6JXE7
<b>Stringer Bead Wheel Carbon Steel</b>						
4 in	0.02 in	3/8"-24	3/8 in	20,000	Weiler	5HD69
	0.02 in	5/8"-11	3/8 in	20,000	Weiler	3AC21
4 in	0.02 in	M10 x 1.25mm	3/8 in	20,000	Weiler	3AC18
	0.02 in	M10 x 1.50mm	3/8 in	20,000	Weiler	3AC19
4 1/2 in	0.02 in	5/8"-11	1 3/8 in	15,000	Weiler	6JXH8
5 in	0.02 in	5/8"-11	3/8 in	9,000	Weiler	3H523
	0.02 in	5/8"-11	1 1/4 in	12,500	Weiler	3H505
	0.023 in	5/8"-11	1 1/4 in	12,500	Weiler	3H503
6 in	0.023 in	5/8"-11	1 3/8 in	9,000	Weiler	3A200
	0.023 in	5/8 in to 1 1/2 in	1 3/8 in	12,500	Weiler	5X890
6 1/2 in	0.02 in	5/8"-11	1 1/8 in	20,000	Weiler	3A201
<b>Stainless Steel</b>						
	0.02 in	3/8"-24	3/8 in	20,000	Weiler	5HD70
4 in	0.02 in	5/8"-11	3/8 in	20,000	Weiler	3H609
	0.02 in	M10 x 1.25mm	3/8 in	20,000	Weiler	3H607
5 in	0.02 in	5/8"-11	3/8 in	20,000	Weiler	1PAH6
6 in	0.02 in	5/8"-11	1 1/8 in	12,500	Weiler	1PAH7
6 1/2 in	0.02 in	5/8"-11	1 1/8 in	20,000	Weiler	3H525
<b>Twisted Wire Wheels Carbon Steel</b>						
3 in	0.012 in	1/2 in to 3/8 in	5/8 in	20,000	Weiler	6JXC4
	0.014 in	1/2 in to 3/8 in	5/8 in	20,000	Weiler	3A198
	0.014 in	1/2 in	5/8 in	20,000	—	443N60
	0.014 in	1/2 in to 3/8 in	3/8 in	12,500	Weiler	3A199
	0.014 in	5/8 in to 1 1/2 in	1 1/8 in	20,000	Weiler	6JXH3
	0.014 in	5/8 in	3/8 in	20,000	—	443N06
	0.02 in	3/8"-24	3/8 in	20,000	—	443N78
	0.02 in	1/2"-13	3/8 in	20,000	Weiler	3AC16
4 in	0.02 in	1/2 in to 3/8 in	3/8 in	20,000	Weiler	6JXC7
	0.02 in	5/8"-11	3/8 in	20,000	Weiler	3AC17
	0.02 in	5/8"-11	3/8 in	20,000	—	443M01
	0.02 in	5/8"-11	3/8 in	20,000	—	443M07
	0.02 in	5/8"-11	3/8 in	20,000	—	443M12
	0.02 in	M10 x 1.25mm	3/8 in	20,000	Weiler	3AC14
	0.02 in	M10 x 1.25mm	3/8 in	20,000	—	443N64
	0.02 in	M10 x 1.50mm	3/8 in	20,000	Weiler	3AC15
5 in	0.02 in	5/8"-11	3/8 in	12,500	—	443M53
	0.014 in	5/8 in	1 1/4 in	9,000	—	443M71
	0.014 in	5/8 in to 1 1/2 in	1 1/4 in	12,500	Weiler	4F718
	0.02 in	5/8 in	1 1/4 in	9,000	—	443N70
6 in	0.02 in	5/8"-11	1 in	12,500	—	443P12
	0.023 in	5/8 in to 1 1/2 in	1 3/8 in	4,500	Weiler	3H467
	0.023 in	5/8"-11	1 3/8 in	12,500	Weiler	6JXC5
	0.023 in	5/8 in to 1 1/2 in	1 3/8 in	12,500	Weiler	6JXC8
7 in	0.02 in	5/8"-11	1 1/2 in	9,000	—	443M62
	0.02 in	5/8 in	1 1/4 in	8,500	—	443M73
8 in	0.023 in	5/8 in	1 3/8 in	6,000	Weiler	6JXD2
<b>Stainless Steel</b>						
3 in	0.014 in	1/2 in to 3/8 in	5/8 in	20,000	Weiler	4F723
	0.014 in	1/2 in to 3/8 in	3/8 in	20,000	Weiler	4F724
	0.014 in	5/8"-11	3/8 in	20,000	—	443M28
4 in	0.02 in	3/8"-24	3/8 in	20,000	Weiler	5HD65
	0.02 in	5/8"-11	3/8 in	20,000	—	443M29
	0.02 in	5/8"-11	3/8 in	20,000	—	443M48
5 in	0.02 in	5/8"-11	1 in	12,500	—	443M82
6 in	0.016 in	5/8 in to 1 1/2 in	1 3/8 in	12,500	Weiler	4F719
	0.02 in	5/8"-11	1 1/4 in	12,500	—	443N41
8 in	0.023 in	5/8 in	1 3/8 in	12,500	Weiler	1PAH8

\* Double Row Cup