

07

BRUSHING



HIGH PERFORMANCE POWER BRUSHES



Power brushes have long been used for edge and surface conditioning on a wide variety of materials. Unlike grinding wheels and other abrasives that remove base material along with surface contaminants, power brushes work on the metal surface without removing the base material. The tips of the wire hammer the metal surface like thousands of tiny ball peens to finish and work the surface.

To withstand that kind of abuse, every Walter power brush is made from only the finest industrial grade materials. Combined with the latest manufacturing technology and strictest quality control, every power brush is designed to guarantee the highest productivity, longest brush life and maximum operator safety.

Perfect Balance

Every knot is perfectly balanced through an accurate wire count and an even trim length before being permanently anchored in an individual hole. This ensures perfect concentricity and vibration-free brushing for maximum operator comfort.

Internal steel plate holds wires securely in place even under extreme pressure for maximum strength and safety.



Longest Life

Premium high tensile wire is oil-hardened and tempered for the longest life. Wire quality is mill certified for every batch, ensuring consistent performance brush after brush.

Color coded hubs for easy identification

Hub color Wire type

Orange



Made with premium carbon steel wire that is oil hardened and tempered for longest life and maximum brushing action.






Blue



Made with 304 stainless steel wire to help prevent contamination and surface rusting of brushed stainless steel parts. Also may be used on aluminum and other non-ferrous metals.



Choose the right wire brush for your application

POWER TOOL USED	TYPE OF BRUSH	BRUSH DIA.	COMPATIBLE GRINDER DIAMETER	WIRE CONSTRUCTION	APPLICATION	METAL
 Flat cleaning	Wire cup brushes	3"	4", 4 1/2", 5", 6"	Crimped	For quick, efficient cleaning, brushing and finishing of large flat surfaces.	● ●
		4"	7", 9"	Knot-Twisted	For heavy-duty applications such as deburring, weld cleaning or removing significant oxidation from surfaces.	● ●
		5" 6"	7", 9" 9"	Knot-Twisted with ring	Heavy-duty cleaning with thicker wire and a supporting ring for added safety and a longer working life.	● ●
 Angle cleaning	Saucer-Cup brushes	4"	4", 4 1/2", 5"	Knot-Twisted	For weld cleaning and deburring in hard to reach areas such as inside corners, fillet welds and contours.	● ●
		5" 6", 7"	5", 6" 7", 9"	Crimped	For cleaning wider root passes and rough surfaces. Can clean on both sides of a weld at the same time.	●
 Vertical cleaning	Wire wheel brushes	4"	4", 4 1/2", 5"	Crimped	For cleaning welds or over uneven surfaces, such as pipe and tubing.	● ●
		4 1/2" 5"	4 1/2", 5" 5", 6"	Stringer Bead	For cleaning in narrow spaces such as in between passes on pipes or narrow groves, etc.	● ●
		6", 6 7/8"	7", 9"	Knot-Twisted	For cleaning wider root passes as well as removing scale, spatter and corrosion.	● ●
 Vertical cleaning	Wire wheel brushes	4" to 10"	All bench and pedestal grinders with suitable speed range	Crimped	For light deburring and similar cleaning jobs, to remove paint, rust, etc.	● ●
				Knot-Twisted	For heavy-duty applications such as removal of rust, corrosion and gaskets.	● ●
 Vertical cleaning	Mounted brushes	1/2" to 4"	All drill or die grinders with a suitable speed range	Crimped	For cleaning hard to reach areas such as pipe interiors and confined spaces.	● ●
				Knot-Twisted	For heavy-duty applications such as removal of rust, corrosion and gaskets.	● ●

WIRE CUP BRUSHES

For angle grinders

Designed for high performance brushing of large flat surfaces. Our wire cup brushes are designed to outlast all competitive brushes. Whether you are removing paint, spatter, rust or cleaning weld edges, we have a brush that can help you work faster and more safely.

CRIMPED



Dia.	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
3"	M10 x 1.25	13-D 300	.0118"	12,000	1	10
3"	M14 X 2.0	13-D 302	.0118"	12,000	1	10
3"	5/8"-11	13-D 304	.0118"	12,000	1	10
5"	5/8"-11	13-E 504	.020"	8,600	1	10



▷ *Crimped for light surface cleaning, rust and paint removal, etc.*

CRIMPED WITH RING



3"	5/8"-11	13-D 324	.0118"	12,000	1	10
4"	5/8"-11	13-D 424	.0118"	8,600	1	10
5"	5/8"-11	13-D 524	.0118"	8,600	1	10



▷ *Safety supporting ring controls flaring to extend brush life. Once wires are worn down to the ring, the ring can be removed to expose more wire for extra brush life*

CRIMPED



3"	M14 X 2.0	13-D 312	.0118"	12,000	1	10
3"	5/8"-11	13-D 314	.0118"	12,000	1	10
5"	5/8"-11	13-E 514	.020"	8,600	1	10

KNOT-TWISTED



Dia.	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
3"	M10 x 1.25	13-F 300	.015"	12,000	1	10
3"	M10 x 1.5	13-F 301	.015"	12,000	1	10
3"	M14 X 2.0	13-F 302	.015"	12,000	1	10
3"	1/2"-13	13-F 303	.015"	12,000	1	10
3"	5/8"-11	13-F 304	.015"	12,000	1	10
3"	5/8"-11	13-F 354	.020"	12,000	1	10



Video available at [The Walter Network](http://TheWalterNetwork.com)
www.youtube.com/user/TheWalterNetwork



▷ *Knot-twisted for heavy-duty brushing such as deburring, weld edge cleaning, removal of scale, spatter, heavy rust and corrosion, etc.*

KNOT-TWISTED



3"	M10 x 1.5	13-F 310	.015"	12,000	1	10
3"	M14 X 2.0	13-F 312	.015"	12,000	1	10
3"	5/8"-11	13-F 314	.015"	12,000	1	10



- ▷ Knot-twisted with safety supporting ring for heavy-duty brushing
- ▷ Safety supporting ring controls flaring to extend brush life. Once worn down to the ring, it can be removed to expose more wire for extra brush life



WIRE CUP BRUSHES

KNOT-TWISTED WITH RING



Dia.	Arbor	Order No.	Wire size	Thick.	Max. RPM	Std. Pkg.	Std. Ctn.
3"	M14 x 2.0	13-G 302	.020"	1/2"	12,000	1	10
3"	1/2"-13	13-G 303	.020"	1/2"	12,000	1	10
3"	5/8"-11	13-G 304	.020"	1/2"	12,000	1	10
4"	5/8"-11	13-G 404	.020"	1/2"	8,600	1	10
5"	5/8"-11	13-G 504	.020"	1/2"	8,600	1	10
5"	5/8"-11	13-G 554	.035"	1/2"	8,600	1	10
6"	5/8"-11	13-G 604	.020"	1/2"	6,800	1	10

KNOT-TWISTED WITH RING



Dia.	Arbor	Order No.	Wire size	Thick.	Max. RPM	Std. Pkg.	Std. Ctn.
3"	M14 x 2.0	13-G 312	.020"	1/2"	12,000	1	10
3"	5/8"-11	13-G 314	.020"	1/2"	12,000	1	10
5"	5/8"-11	13-G 514	.020"	1/2"	8,600	1	10

DOUBLE-ROW KNOT-TWISTED CUP BRUSHES WITH RING



Dia.	Arbor	Order No.	Wire size	Thick.	Max. RPM	Std. Pkg.	Std. Ctn.
5"	5/8"-11	13-G 574	.020"	1"	8,600	1	10



Double-row

- ▷ Work two times faster on large surfaces
- ▷ Requires less torque from the power tool for the same efficiency
- ▷ Unbeatable life and added working hours per brush

DOUBLE-ROW KNOT-TWISTED CUP BRUSHES WITH RING



Dia.	Arbor	Order No.	Wire size	Thick.	Max. RPM	Std. Pkg.	Std. Ctn.
5"	5/8"-11	13-G 584	.020"	1"	8,600	1	10

WIRE WHEEL BRUSHES

For precision cleaning with angle grinders

These brushes are made from top quality wire that is perfectly knotted and balanced for minimal vibration and maximum operator safety. Quicker surface cleaning, the longest product life in the industry and an emphasis on operator safety make our wire wheel brushes the preferred choice for professionals throughout North America.

CRIMPED WIRE WHEEL



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"	5/8"-11	13-J 454	0.0118"	12,500	1	10
5"	5/8"	5/8"-11	13-J 504	0.0118"	10,000	1	10
6"	5/8"	5/8"-11	13-J 604	0.0118"	9,000	1	10

CRIMPED WIRE WHEEL



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"	5/8"-11	13-J 464	0.0118"	12,500	1	10
5"	5/8"	5/8"-11	13-J 514	0.0118"	10,000	1	10
6"	5/8"	5/8"-11	13-J 614	0.0118"	9,000	1	10

STRINGER BEAD



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4"	3/16"	5/8"-11	13-K 404	.020"	20,000	1	10
4 1/2"	3/16"	5/8"-11	13-K 454	.020"	15,000	1	10
5"	1/4"	5/8"-11	13-K 504	.020"	15,000	1	10
6"	1/4"	5/8"-11	13-K 604	.020"	10,000	1	10
6 7/8"	1/4"	5/8"-11	13-K 654	.020"	9,000	1	10

STRINGER BEAD



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4"	3/16"	5/8"-11	13-K 414	.020"	20,000	1	10
4 1/2"	3/16"	5/8"-11	13-K 464	.020"	15,000	1	10
5"	1/4"	5/8"-11	13-K 514	.020"	15,000	1	10
6"	1/4"	5/8"-11	13-K 614	.020"	10,000	1	10

KNOT-TWISTED



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4"	3/8"	5/8"-11	13-L 404	.020"	20,000	1	10
4 1/2"	3/8"	5/8"-11	13-L 454	.020"	15,000	1	10
5"	3/8"	5/8"-11	13-L 504	.020"	15,000	1	10
6"	3/8"	5/8"-11	13-L 604	.020"	10,000	1	10

KNOT-TWISTED



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4"	3/8"	5/8"-11	13-L 414	.020"	20,000	1	10
4 1/2"	3/8"	5/8"-11	13-L 464	.020"	15,000	1	10
5"	3/8"	5/8"-11	13-L 514	.020"	15,000	1	10
6"	3/8"	5/8"-11	13-L 614	.020"	10,000	1	10



▷ Stringer bead brushes are extra narrow to clean in tight areas such as between weld passes in pipe fitting



▷ Knot-twisted brushes are for surface cleaning after welding, to remove scale, spatter, rust and corrosion

SAUCER-CUP BRUSHES

For cleaning hard-to-reach areas

These brushes have a built-in working angle of 45° to clean surfaces in hard-to-reach areas such as inside corners, edges and contours. Knot-twisted brushes are tightly knotted to remove surface imperfections quickly and ensure a long, productive lifespan. Crimped brushes provide excellent cleaning on uneven surfaces.

- ▷ For surface cleaning such as removing paint, rust and corrosion
- ▷ Tightly knotted for maximum impact and long brush life (knot-twisted only)

CRIMPED



Dia.	Arbor	Order No.	Wire size	Thick.	Max. RPM	Std. Pkg.	Std. Ctn.
4"	5/8"-11	13-H 454	.012"	1/2"	12,500	1	10
5"	5/8"-11	13-H 554	.012"	3/4"	10,000	1	10
6"	5/8"-11	13-H 654	.012"	3/4"	9,000	1	10

KNOT-TWISTED



Dia.	Arbor	Order No.	Wire size	Thick.	Max. RPM	Std. Pkg.	Std. Ctn.
4"	5/8"-11	13-H 404	.015"	1/2"	20,000	1	10
5"	5/8"-11	13-H 504	.020"	1/2"	15,000	1	10
6"	5/8"-11	13-H 604	.020"	1/2"	12,500	1	10
7"	5/8"-11	13-H 704	.020"	1/2"	10,000	1	10

KNOT-TWISTED



Dia.	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4"	5/8"-11	13-H 414	.015"	20,000	1	10
5"	5/8"-11	13-H 514	.020"	15,000	1	10
6"	5/8"-11	13-H 614	.020"	12,500	1	10
7"	5/8"-11	13-H 714	.020"	10,000	1	10

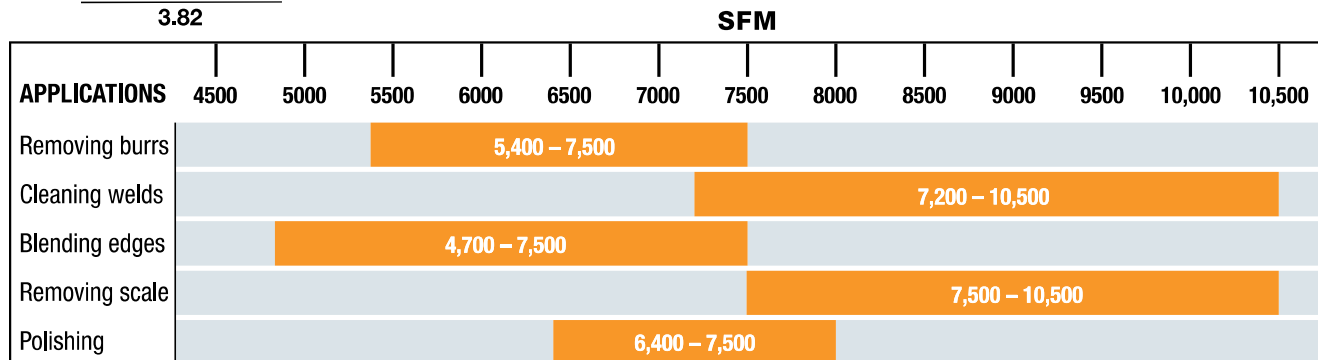
To convert brushes with 5/8"-11 arbor, please see page 215 for special threaded adaptors.



Choose the right speed for your application

TO CONVERT SURFACE FEET PER MINUTE (SFM) TO RPM:

$$\text{SFM} = \frac{\text{DIAMETER} \times \text{RPM}}{3.82}$$





▷ Crimped wire for general surface cleaning, rust, scale and paint removal, etc.

Spherical



▷ The spherical shape allow you to clean in almost any position around the working area. Perfect for cleaning inside pipes and custom hard to reach areas.

Straight



Conical



Wheel



Cup



MOUNTED WIRE BRUSHES

Our mounted wire brushes come in a variety of sizes and configurations to fit numerous industrial applications on die grinders, power drills or automated equipment.

For die grinders 1/4" shaft.

MOUNTED CRIMPED



Type	Dia.	Width	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
Straight	1/2"		13-C 003	.010"	25,000	1	10
Straight	1/2"		13-C 005	.020"	25,000	1	10
Straight	3/4"		13-C 008	.014"	25,000	1	10
Conical	3/4"		13-C 028	.014"	25,000	1	10
Wheel	1 3/8"	1/4"	13-C 110	.008"	25,000	1	10
Wheel	2"	5/8"	13-C 120	.0118"	25,000	1	10
Wheel	3"	1/4"	13-C 123	.0118"	25,000	1	10
Wheel	3"	3/4"	13-C 125	.0118"	25,000	1	10
Wheel	4"	1/4"	13-C 128	.0118"	15,000	1	10
Cup	1 1/2"		13-C 015	.0118"	13,000	1	10
Cup	2 3/8"		13-C 018	.0118"	13,000	1	10
Spherical	1 1/2"	1 1/2"	13-C 215	.008"	20,000	1	10
Spherical	2"	2"	13-C 225	.010"	20,000	1	10
Spherical	3"	3"	13-C 230	.0118"	15,000	1	10

MOUNTED CRIMPED



Type	Dia.	Width	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
Straight	1/2"		13-C 053	.010"	25,000	1	10
Straight	1/2"		13-C 055	.020"	25,000	1	10
Straight	3/4"		13-C 058	.014"	25,000	1	10
Conical	3/4"		13-C 078	.0118"	25,000	1	10
Wheel	1 3/8"	1/4"	13-C 160	.008"	25,000	1	10
Wheel	2"	5/8"	13-C 170	.0118"	25,000	1	10
Wheel	3"	1/4"	13-C 173	.0118"	25,000	1	10
Wheel	3"	3/4"	13-C 175	.0118"	25,000	1	10
Wheel	4"	1/4"	13-C 178	.0118"	15,000	1	10
Cup	1 1/2"		13-C 065	.0118"	13,000	1	10
Cup	2 3/8"		13-C 068	.0118"	13,000	1	10
Spherical	1 1/2"	1 1/2"	13-C 265	.008"	20,000	1	10
Spherical	2"	2"	13-C 275	.010"	20,000	1	10
Spherical	3"	3"	13-C 280	.0118"	15,000	1	10

KNOT-TWISTED

Type	Dia.	Width	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
Straight	1 1/8"		13-C 020	.020"	25,000	1	10
Wheel	2 3/4"	3/8"	13-C 130	.020"	25,000	1	10
Saucer-cup	3"	1/2"	13-C 270	.020"	25,000	1	10
Cup	3"	1/2"	13-C 370	.020"	12,000	1	10

KNOT-TWISTED

Type	Dia.	Width	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
Straight	1 1/8"		13-C 070	.020"	25,000	1	10
Wheel	2 3/4"	3/8"	13-C 180	.020"	25,000	1	10

DOUBLE SIDED KNOT-TWISTED

Type	Dia.	Width	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
Wheel	3"	3/8"	13-C 303	.0118"	25,000	1	10
Wheel	4"	3/8"	13-C 404	.0118"	20,000	1	10

Mandrels for double sided brushes, order No. 13-D 008 (for 13-C 303) and 13-D 009 (for 13-C 404).



COMBINE YOUR WIRE BRUSH WITH THE BEST POWER TOOL!

Straight



Wheel



Saucer-cup

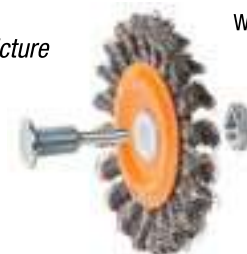


Cup



Mandrel shown on picture sold separately.

Wheel

**LINEAR CRIMPED BRUSHES**

Our linear wire brushes can be used with the LINE-MATE III™ system for efficient cleaning over wide surface areas.

LINEAR CRIMPED BRUSHES

Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	13-M 454	.01"	4,000	1	10

LINEAR CRIMPED BRUSHES

Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	13-M 464	.01"	4,000	1	10



WIRE WHEEL BRUSHES

For bench and pedestal grinders

These brushes are made from industrial quality wire perfectly balanced for smooth operation and long life. They are most commonly used to remove paint, rust and corrosion, for light deburring and similar cleaning jobs.

CRIMPED



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
4"	3/4"	1/2"	13-B 040	.0118"	6,000	1	10
6"	7/8"	1 1/4"	* 13-B 060	.0118"	6,000	1	10
6"	1 1/8"	1 1/4"	* 13-B 061	.0118"	6,000	1	10
6"	3/4"	1 1/4"	* 13-B 065	.0118"	6,000	1	10
7"	7/8"	1 1/4"	* 13-B 070	.0118"	6,000	1	10
7"	3/4"	1 1/4"	* 13-B 075	.0118"	6,000	1	10
8"	1"	1 1/4"	* 13-B 080	.0118"	4,500	1	10
8"	1/2"	5/8"	** 13-B 082	.0118"	4,500	1	10
8"	3/4"	1 1/4"	* 13-B 085	.0118"	4,500	1	10
10"	1"	1 1/4"	* 13-B 100	.0118"	3,600	1	10

* All brushes with 1 1/4" arbor are equipped with a set of reducer bushings to fit the following shaft diameters: 1/2", 5/8", 3/4", 7/8" and 1".

** This brush comes with 1/2" reducer bushings.



- ▷ Crimped wire has optimal density and wire trim for the most effective brushing action and longest life
- ▷ For general surface cleaning and deburring applications

CRIMPED



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
6"	3/4"	1 1/4"	* 13-B 165	.0118"	6,000	1	10
6"	7/8"	1 1/4"	* 13-B 160	.0118"	6,000	1	10
8"	3/4"	1 1/4"	* 13-B 185	.0118"	4,500	1	10
8"	1"	1 1/4"	* 13-B 180	.0118"	4,500	1	10

* All brushes with 1 1/4" arbor are equipped with a set of reducer bushings to fit the following shaft diameters: 1/2", 5/8", 3/4", 7/8" and 1".



- ▷ These brushes are designed to be flipped and mounted in the opposite direction
- ▷ This self-sharpens the wires, increasing the life while maintaining fast cleaning and deburring rates

KNOT-TWISTED



Dia.	Width	Arbor	Order No.	Wire size	Max. RPM	Std. Pkg.	Std. Ctn.
6"	3/8"	5/8"	** 13-B 260	.0118"	9,000	1	10
8"	3/8"	5/8"	** 13-B 280	.0118"	8,500	1	10

** These brushes come with 1/2" reducer bushings.

Accessory

Replacement set of bushings

Complete set 13-B 015