

INDUSTRIAL WIRE BRUSHES



WALTER
Surface Technologies



HIGH PERFORMANCE POWER BRUSHES

Technical Information

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. Only the tips of the wire on a power brush hammer the metal surface like thousands of tiny ball peens to finish and work harden 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 Walter power brush ensures the operator highest productivity, longest brush life and maximum safety.



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

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

Choice of threads for direct mounting on all angle grinders available on the market today.

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

Product and safety information are clearly and permanently embossed on each brush.

Brushes are color coded for easy identification. Orange brushes are for use on steel and blue brushes are for use on stainless steel.



HIGH PERFORMANCE POWER BRUSHES

Technical Information

CHOOSE THE RIGHT WIRE BRUSH

POWER TOOL USED	TYPE OF BRUSH	BRUSH DIA.	ANGLE GRINDER RATED AS	WIRE CONSTRUCTION	APPLICATION
 Flat brushing	Cup brushes	3"	4", 4 1/2", 5", 6"	Crimped	For surface cleaning and fine finishing of large surfaces.
		4" 5" 6"	7", 9" 7", 9" 9"	Knotted	For heavy duty cleaning and brushing such as deburring, weld edge cleaning, etc.
 Angle brushing	Saucer cup brushes	4" 5" 7"	4", 4 1/2", 5" 5", 6" 7", 9"	Knotted	For weld cleaning, weld spatter removal and deburring in hard to reach places such as inside corners, edges and contours.
 Vertical brushing	Wire wheel brushes	4" 4 1/2" 5" 6", 6 7/8"	4", 4 1/2", 5" 4 1/2", 5" 5", 6" 7", 9"	Stringer	For cleaning pipe welds between passes, brushing in narrow grooves, etc.
		Knotted	For surface cleaning after welding, to remove scale, spatter, rust and corrosion.		
 Vertical brushing	Mounted brushes	3/4" to 3"	All die grinders with suitable speed range	Crimped	For general surface cleaning, rust, scale and paint removal.
				Knotted	For heavy duty applications such as deburring, removing heavy rust, etc.
 Vertical brushing	Brushes for bench/pedestal grinders	4" to 10"	All suitable bench and pedestal grinders.	Crimped	For light deburring and similar cleaning jobs, to remove paint, rust, etc.

SAFETY WITH WIRE BRUSHES

To ensure longest brush life, maximum performance and safety when working with wire brushes, always follow the safety tips supplied with the brushes.



Always wear eye, face and body protection when working with or near wire brushes.



Walter offers free special in-plant safety seminars to promote the safe use of power brushes.

Call us at: 1-888-JWALTER.



Always choose the proper diameter brush to match the rated diameter of the grinder. Never exceed the maximum operating speed indicated on the brush.



For longest brush life apply only moderate pressure and work only with the face of the brush.



Walter is proud to have its Research, Development and Distribution Quality Systems certified under the International Standard ISO 9001: 2000.

WIRE CUP BRUSHES

For angle grinders



These wire cup brushes are designed for high performance flat surface brushing of large surfaces. They are made from top quality oil hardened and tempered wire that is precisely positioned for perfect balance and longest brush life. Improved construction ensures maximum operator safety and fast brushing action. All cup brushes are equipped with threaded arbors for quick and easy mounting.

CRIMPED

◆ Excellent for light surface cleaning, rust and paint removal, etc.

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

◆ For heavy duty brushing such as deburring, weld edge cleaning, removal of scale, spatter, heavy rust and corrosion, etc.

	Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	3"	M14 x 2.0	13-F 302	.015"	12,000	1	10
	3"	M10 x 1.5	13-F 301	.015"	12,000	1	10
	3"	M10 x 1.25	13-F 300	.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
	3"	1/2" - 13	13-F 303	.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
	3"	M10 x 1.25	13-F 310	.015"	12,000	1	10

KNOT-TWISTED WITH RING

◆ 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.

	Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	3"	M14 x 2.0	13-G 302	.020"	12,000	1	10
	3"	1/2" - 13	13-G 303	.020"	12,000	1	10
	3"	5/8" - 11	13-G 304	.020"	12,000	1	10
	4"	5/8" - 11	13-G 404	.020"	8,600	1	10
	5"	5/8" - 11	13-G 504	.020"	8,600	1	10
	5"	5/8" - 11	13-G 554	.035"	8,600	1	10
	6"	5/8" - 11	13-G 604	.020"	6,800	1	10
	 	3"	M14 x 2.0	13-G 312	.020"	12,000	1
3"		5/8" - 11	13-G 314	.020"	12,000	1	10
5"		5/8" - 11	13-G 514	.020"	8,600	1	10



SAUCER-CUP™ BRUSHES

For angle grinders



These brushes combine the advantages of both wire cup and wire wheel brushes. They feature a unique saucer cup shape (built-in working angle of 45°) which allows them to work in hard to reach areas such as inside corners, edges and contours. They are made from top quality wire that is precisely positioned for perfect balance ensuring maximum operator comfort and fast brushing action.

KNOT-TWISTED

- ◆ **Tightly knotted for maximum impact and long brush life.**
- ◆ **For surface cleaning such as removing paint, rust and corrosion.**

	Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	4"	M14 x 2.0	13-H 402	.015"	20,000	1	10
	4"	5/8" - 11	13-H 404	.015"	20,000	1	10
	5"	M14 x 2.0	13-H 502	.020"	15,000	1	10
	5"	5/8" - 11	13-H 504	.020"	15,000	1	10
	7"	5/8" - 11	13-H 704	.020"	10,000	1	10
 	4"	M14 x 2.0	13-H 412	.015"	20,000	1	10
	4"	5/8" - 11	13-H 414	.015"	20,000	1	10
	5"	M14 x 2.0	13-H 512	.020"	15,000	1	10
	5"	5/8" - 11	13-H 514	.020"	15,000	1	10
	7"	5/8" - 11	13-H 714	.020"	10,000	1	10



ADAPTORS FOR WIRE BRUSHES

Use these threaded adaptors to convert brushes with 5/8"-11 arbor

To M10 x 1.25 female	13-D 001
To M10 x 1.5 female	13-D 002
To 3/8" - 24 female	13-D 003
To 3/8" - 16 female	13-D 007



WIRE WHEEL BRUSHES

For angle grinders



These brushes are made from top quality wire that is tightly knotted and each tuft is precisely positioned and set for perfect balance and vibration-free operation. Improved construction ensures maximum operator safety and fast material removal.

STRINGER BEAD

◆ Extra narrow to clean pipe welds between passes, to brush in narrow grooves, etc.



	Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	4"	3/16"	M14 x 2.0	13-K 402	.020"	20,000	1	10
	4"	3/16"	5/8" - 11	13-K 404	.020"	20,000	1	10
	4 1/2"	3/16"	M14 x 2.0	13-K 452	.020"	15,000	1	10
	4 1/2"	3/16"	5/8" - 11	13-K 454	.020"	15,000	1	10
	5"	1/4"	M14 x 2.0	13-K 502	.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
 	4"	3/16"	M14 x 2.0	13-K 412	.020"	20,000	1	10
	4"	3/16"	5/8" - 11	13-K 414	.020"	20,000	1	10
	4 1/2"	3/16"	M14 x 2.0	13-K 462	.020"	15,000	1	10
	4 1/2"	3/16"	5/8" - 11	13-K 464	.020"	15,000	1	10
	5"	1/4"	M14 x 2.0	13-K 512	.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

◆ For surface cleaning after welding, to remove scale, spatter, rust and corrosion.

	Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	4"	1/4"	M14 x 2.0	13-L 402	.020"	20,000	1	10
	4"	1/4"	5/8" - 11	13-L 404	.020"	20,000	1	10
	4 1/2"	1/4"	M14 x 2.0	13-L 452	.020"	15,000	1	10
	4 1/2"	1/4"	5/8" - 11	13-L 454	.020"	15,000	1	10
	5"	3/8"	M14 x 2.0	13-L 502	.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
Double-row	6 7/8"	7/8"	5/8" plain	13-M 605	.020"	6,800	1	10
 	4"	1/4"	M14 x 2.0	13-L 412	.020"	20,000	1	10
	4"	1/4"	5/8" - 11	13-L 414	.020"	20,000	1	10
	4 1/2"	1/4"	M14 x 2.0	13-L 462	.020"	15,000	1	10
	4 1/2"	1/4"	5/8" - 11	13-L 464	.020"	15,000	1	10
	5"	3/8"	M14 x 2.0	13-L 512	.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



For bench and pedestal grinders

CRIMPED

◆ For general surface cleaning and deburring applications.



	Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	4"	3/4"	1/2"	13-B 040	.0118" tool steel	6,000	1	10
	6"	7/8"	1 1/4"	13-B 060	.0118" tool steel	6,000	1	10
	6"	1 1/8"	1 1/4"	13-B 061	.0118" tool steel	6,000	1	10
	7"	7/8"	1 1/4"	13-B 070	.0118" tool steel	6,000	1	10
	8"	1"	1 1/4"	13-B 080	.0118" tool steel	4,500	1	10
	10"	1"	1 1/4"	13-B 100	.0118" tool steel	3,600	1	10
	 	6"	7/8"	1 1/4"	13-B 160	.0118" stainless	6,000	1
8"		1"	1 1/4"	13-B 180	.0118" stainless	4,500	1	10

MOUNTED WIRE BRUSHES

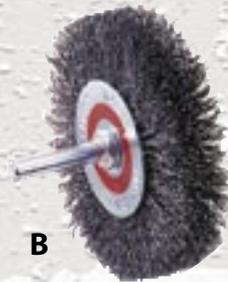
For die grinders

These brushes are made from highest industrial quality wire with optimum density for fast material removal and longest life. They are perfectly balanced for vibration free running. Shanks must be fully inserted into the collet and firmly secured. 1/4" shaft.

CRIMPED

◆ For general surface cleaning, rust, scale and paint removal, etc.

	Type	Dia.	Width	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	A	1/2"		13-C 003	.010"	20,000	1	10
	A	1/2"		13-C 005	.020"	20,000	1	10
	A	3/4"		13-C 008	.014"	20,000	1	10
	B	1 3/8"	1/4"	13-C 110	.008"	20,000	1	10
	B	2"	5/8"	13-C 120	.0118"	20,000	1	10
	B	3"	3/4"	13-C 125	.0118"	12,000	1	10
	C	1 1/2"		13-C 015	.0118"	13,000	1	10
	C	2 3/8"		13-C 018	.0118"	13,000	1	10
	 	A	1/2"		13-C 053	.010"	20,000	1
A		1/2"		13-C 055	.020"	20,000	1	10
A		3/4"		13-C 058	.014"	20,000	1	10
B		1 3/8"	1/4"	13-C 160	.008"	20,000	1	10
B		2"	5/8"	13-C 170	.0118"	20,000	1	10
B		3"	3/4"	13-C 175	.0118"	12,000	1	10
C		1 1/2"		13-C 065	.0118"	13,000	1	10
C		2 3/8"		13-C 068	.0118"	13,000	1	10



KNOT-TWISTED

◆ For heavy duty brushing such as deburring, removing heavy rust and corrosion, etc.

	Type	Dia.	Width	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
	D	1 1/8"		13-C 020	.020"	20,000	1	10
	E	2 3/4"	3/8"	13-C 130	.020"	20,000	1	10
 	D	1 1/8"		13-C 070	.020"	20,000	1	10
	E	2 3/4"	3/8"	13-C 180	.020"	20,000	1	10



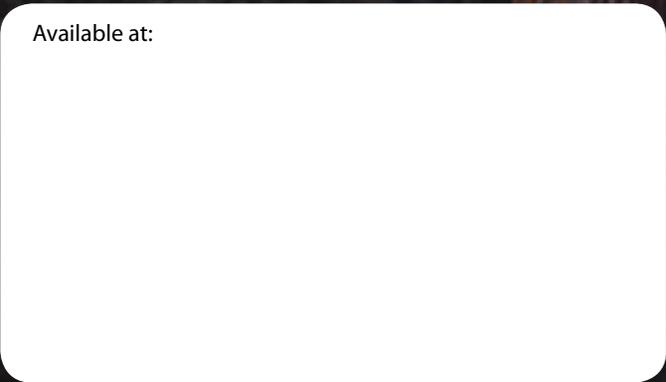


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or a free demonstration in your plant,
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www.walter.com

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