



Grinding Wheels

Industry leading grinding wheels, burrs and points from Walter are manufactured with productivity in mind and under the most stringent quality control standards. Grain, bond and reinforcement are of the highest quality to assure best performance and absolute safety.









Every wheel is balanced to hug the work-piece for minimal vibration and greatest operator comfort. We recognize that it must feel right in your hands and that it must meet your expectations in maintaining a clean work environment.

Continuous research and development assure that Walter products will always be at the leading edge of grinding and cutting technology to help you attain top quality workmanship. When you choose Walter you are guaranteed fastest removal rates and longest tool life for highest productivity and safety.



For tips on the safe and most efficient use of grinding wheels please refer to **SAFETY FIRST**, page 66.

CHOOSE THE RIGHT WHEEL

MATERIAL	WHEEL	THICK.	APPLICATION	PAGE
	HP	1/4" 1/8"	High performance grinding and cutting	6
	Double X	1/4"	Premium performance grinding for maximum material removal	7
 	Allsteel	1/4" 3/32"	Versatile performance in steel and stainless steel	7
	Stainless	1/4" 1/8"	For your most critical applications in stainless steel	8
	Aluminum	1/4" 1/8"	Non-loading formulation for soft metals	8
	Concrete	1/4" 1/8"	Concrete, cast iron and stone	9
 	Pipefitter	5/32" 3/32"	Pipe fitting, notching and grooving	10

GRINDING



HP™



HIGH PERFORMANCE GRINDING AND CUTTING

These wheels are formulated to give highest productivity, safety and operator comfort on all types of grinders — air grinders, electric grinders/sanders and portable high speed angle grinders. Exceptional performance in grinding down welds, preparing weld edges, deburring, shaping, cleaning and cutting. The wheel of choice for general purpose grinding and cutting of steel.

1/4" HP™

TYPE 27



Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
3"	1/4"	3/8"	08-B 310	A-24-HPS	20,000	25	100	15
4"	1/4"	3/8"	08-B 410	A-24-HPS	15,000	25	100	26
4"	1/4"	5/8"	08-B 400	A-24-HPS	15,000	25	100	29
4 1/2"	1/4"	7/8"	08-B 450	A-24-HPS	13,300	25	100	37
4 1/2"	1/4"	5/8"-11	08-B 455	A-24-HPS	13,300	10	80	45
5"	1/4"	7/8"	08-B 500	A-24-HPS	12,200	25	100	42
5"	1/4"	5/8"-11	08-B 505	A-24-HPS	12,200	10	80	51
6"	1/4"	7/8"	08-B 600	A-24-HPS	10,200	25	100	69
7"	1/4"	7/8"	08-B 710	A-24-HPS	8,600	25	50	52
7"	1/4"	5/8"-11	08-B 715	A-24-HPS	8,600	10	40	48
9"	1/4"	7/8"	08-B 910	A-24-HPS	6,800	25	50	71
9"	1/4"	5/8"-11	08-B 915	A-24-HPS	6,800	10	40	73

- ✓ High performance wheels grind off metal faster
- ✓ Smooth grinding with an aggressive, controlled bite
- ✓ Extra long wheel life



TYPE 28



7"	1/4"	7/8"	08-B 701	A-24-HPS	8,600	25	50	52
7"	1/4"	5/8"-11	08-B 706	A-24-HPS	8,600	10	40	46
9"	1/4"	7/8"	08-B 901	A-24-HPS	6,800	25	50	73
9"	1/4"	5/8"-11	08-B 906	A-24-HPS	6,800	10	40	75

1/8" HP™ COMBO

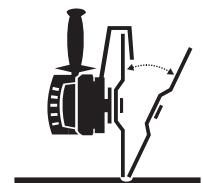
TYPE 27



Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
3"	1/8"	3/8"	08-B 312	A-24-COMBO	20,000	25	200	14
4"	1/8"	3/8"	08-B 412	A-24-COMBO	15,000	25	200	25
4"	1/8"	5/8"	08-B 402	A-24-COMBO	15,000	25	100	13
4 1/2"	1/8"	7/8"	08-B 452	A-30-COMBO	13,300	25	200	37
4 1/2"	1/8"	5/8"-11	08-B 457	A-30-COMBO	13,300	10	80	29
5"	1/8"	7/8"	08-B 502	A-30-COMBO	12,200	25	200	38
5"	1/8"	5/8"-11	08-B 507	A-30-COMBO	12,200	10	80	32
6"	1/8"	7/8"	08-B 602	A-30-COMBO	10,200	25	100	36
7"	1/8"	7/8"	08-B 712	A-30-COMBO	8,600	25	100	47
7"	1/8"	5/8"-11	08-B 717	A-30-COMBO	8,600	10	40	29
9"	1/8"	7/8"	08-B 912	A-30-COMBO	6,800	25	100	73
9"	1/8"	5/8"-11	08-B 917	A-30-COMBO	6,800	10	40	33

HP™ COMBO are now made in a new manufacturing process (patent pending) and with a newly developed abrasive grain (larger crystal)

- ✓ Longest wheel life in its class
- ✓ Fast and free cutting and grinding
- ✓ Metal hub cladding for extra strength and safety



DOUBLE-X™

PREMIUM PERFORMANCE GRINDING

These wheels incorporate the very latest advances in abrasive grain, bonding and manufacturing technology. When all costs are considered, DOUBLE-X is the wheel that grinds at the lowest cost.



- ✓ Best choice for highest productivity in all heavy duty grinding applications
- ✓ Remove the most steel in the shortest time and last the longest

1/4" DOUBLE-X™



TYPE 27

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	1/4"	3/8"	08-K 410	A-20-X	15,000	25	100	35
4"	1/4"	5/8"	08-K 400	A-20-X	15,000	25	100	33
4 1/2"	1/4"	7/8"	08-K 450	A-20-X	13,300	25	100	39
4 1/2"	1/4"	5/8"-11	08-K 455	A-20-X	13,300	10	80	47
5"	1/4"	7/8"	08-K 500	A-20-X	12,200	25	100	45
6"	1/4"	7/8"	08-K 600	A-16-X	10,200	25	100	72
7"	1/4"	7/8"	08-K 700	A-16-X	8,600	25	50	55
7"	1/4"	5/8"-11	08-K 705	A-16-X	8,600	10	40	48
9"	1/4"	7/8"	08-K 900	A-16-X	6,800	25	50	81
9"	1/4"	5/8"-11	08-K 905	A-16-X	6,800	10	40	89

TYPE 28

7"	1/4"	7/8"	08-K 701	A-16-X	8,600	25	50	55
7"	1/4"	5/8"-11	08-K 706	A-16-X	8,600	10	40	52
9"	1/4"	7/8"	08-K 901	A-16-X	6,800	25	50	83
9"	1/4"	5/8"-11	08-K 906	A-16-X	6,800	10	40	87

ALLSTEEL™

VERSATILE PERFORMANCE GRINDING

ALLSTEEL grinding wheels are designed to deliver top performance when working on either steel or stainless steel. They incorporate the latest developments in grain and bonding technology to lower your cost of grinding.



- ✓ Exceptional performance in grinding down welds and preparing edges
- ✓ New grain formulation for fast removal rates
- ✓ Excellent wheel life to get more work done per wheel

1/4" ALLSTEEL™



TYPE 27

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	1/4"	7/8"	08-C 450	A-24-AS	13,300	25	100	37
4 1/2"	1/4"	5/8"-11	08-C 455	A-24-AS	13,300	10	80	45
5"	1/4"	7/8"	08-C 500	A-24-AS	12,200	25	100	42
5"	1/4"	5/8"-11	08-C 505	A-24-AS	12,200	10	80	51
6"	1/4"	7/8"	08-C 600	A-24-AS	10,200	25	100	69
7"	1/4"	7/8"	08-C 700	A-24-AS	8,600	25	50	89
7"	1/4"	5/8"-11	08-C 705	A-24-AS	8,600	10	40	48
9"	1/4"	7/8"	08-C 900	A-24-AS	6,800	25	50	71
9"	1/4"	5/8"-11	08-C 905	A-24-AS	6,800	10	40	73

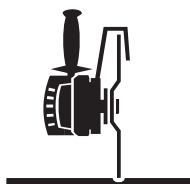
3/32" ALLSTEEL™



TYPE 27

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	3/32"	7/8"	08-C 452	A-30-AS	13,300	25	200	32
4 1/2"	3/32"	5/8"-11	08-C 457	A-30-AS	13,300	10	80	29
5"	3/32"	7/8"	08-C 502	A-30-AS	12,200	25	200	38
5"	3/32"	5/8"-11	08-C 507	A-30-AS	12,200	10	80	32
6"	3/32"	7/8"	08-C 602	A-30-AS	10,200	25	100	36
7"	3/32"	7/8"	08-C 702	A-30-AS	8,600	25	100	40
7"	3/32"	5/8"-11	08-C 707	A-30-AS	8,600	10	40	29
9"	3/32"	7/8"	08-C 902	A-30-AS	6,800	25	100	65
9"	3/32"	5/8"-11	08-C 907	A-30-AS	6,800	10	40	33

- ✓ Fastest cutting wheel in its class
- ✓ Cool and free cutting
- ✓ Outstanding life in both steel and stainless steel
- ✓ Resists bending and twisting for extra safety



GRINDING



STAINLESS

SUPERIOR GRINDING AND CUTTING

These wheels are excellent for use on all nickel alloyed steels

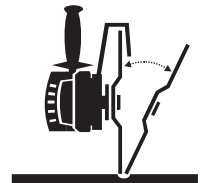
in tough and demanding applications. They are made with highly refined ingredients which do not contain iron, sulfur or chlorine (Fe, S, Cl) and will not contaminate stainless steel.



- ✓ Fast and cool stock removal
- ✓ High performance and superior control in the most demanding grinding applications



- ✓ High performance cutting and intermittent light grinding
- ✓ Maintain a superior cutting edge
- ✓ Cool cutting, excellent wheel life with superior control



TYPE 27



1/4"

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	1/4"	7/8"	08-F 450	A-30-SS	13,300	25	100	35
4 1/2"	1/4"	5/8"-11	08-F 455	A-30-SS	13,300	10	80	45
5"	1/4"	7/8"	08-F 500	A-30-SS	12,200	25	100	41
6"	1/4"	7/8"	08-F 600	A-30-SS	10,200	25	100	68
7"	1/4"	7/8"	08-F 700	A-30-SS	8,600	25	50	52
7"	1/4"	5/8"-11	08-F 705	A-30-SS	8,600	10	40	46
9"	1/4"	7/8"	08-F 900	A-30-SS	6,800	25	50	73
9"	1/4"	5/8"-11	08-F 905	A-30-SS	6,800	10	40	75

TYPE 27



1/8" COMBO

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	1/8"	7/8"	08-F 452	A-30-SS COMBO	13,300	25	200	36
4 1/2"	1/8"	5/8"-11	08-F 457	A-30-SS COMBO	13,300	10	80	29
5"	1/8"	7/8"	08-F 502	A-30-SS COMBO	12,200	25	200	39
6"	1/8"	7/8"	08-F 602	A-30-SS COMBO	10,200	25	100	35
7"	1/8"	7/8"	08-F 702	A-30-SS COMBO	8,600	25	100	43
7"	1/8"	5/8"-11	08-F 707	A-30-SS COMBO	8,600	10	40	26
9"	1/8"	7/8"	08-F 902	A-30-SS COMBO	6,800	25	100	72
9"	1/8"	5/8"-11	08-F 907	A-30-SS COMBO	6,800	10	40	39

ALUMINUM

HIGH PERFORMANCE GRINDING AND CUTTING IN SOFT METALS

These wheels meet all requirements for grinding and cutting of aluminum and other non-ferrous metals.



TYPE 27



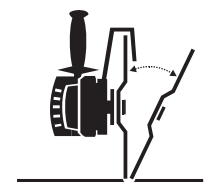
1/4"

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	1/4"	7/8"	08-L 450	A-24-ALU	13,300	25	100	34
4 1/2"	1/4"	5/8"-11	08-L 455	A-24-ALU	13,300	10	80	45
5"	1/4"	7/8"	08-L 500	A-24-ALU	12,200	25	100	38
6"	1/4"	7/8"	08-L 600	A-24-ALU	10,200	25	100	64
7"	1/4"	7/8"	08-L 700	A-24-ALU	8,600	25	50	52
7"	1/4"	5/8"-11	08-L 705	A-24-ALU	8,600	10	40	47
9"	1/4"	7/8"	08-L 900	A-24-ALU	6,800	25	50	74
9"	1/4"	5/8"-11	08-L 905	A-24-ALU	6,800	10	40	68

- ✓ No clogging in any type of aluminum
- ✓ Fast stock removal and long wheel life



- ✓ Formulated for cutting but may also be used for intermittent light grinding
- ✓ Fast and free cutting

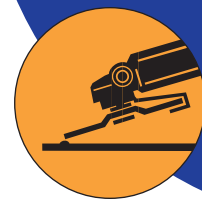


TYPE 27



1/8"

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	1/8"	7/8"	08-L 452	A-24-ALU	13,300	25	200	28
5"	1/8"	7/8"	08-L 502	A-24-ALU	12,200	25	200	32
6"	1/8"	7/8"	08-L 602	A-24-ALU	10,200	25	100	30
7"	1/8"	7/8"	08-L 702	A-24-ALU	8,600	25	100	38
7"	1/8"	5/8"-11	08-L 707	A-24-ALU	8,600	10	40	30
9"	1/8"	7/8"	08-L 902	A-24-ALU	6,800	25	100	58
9"	1/8"	5/8"-11	08-L 907	A-24-ALU	6,800	10	40	36



CONCRETE

HIGH PERFORMANCE GRINDING AND CUTTING

These wheels are specially formulated for grinding and cutting all types of concrete, cast iron, stone and other building materials.

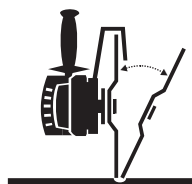


- ✓ Extra hard silicon carbide grain for fast material removal and long wheel life
- ✓ Excellent control in demanding applications



1/4" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	1/4"	7/8"	08-E 450	C-24	13,300	25	100	33
5"	1/4"	7/8"	08-E 500	C-24	12,200	25	100	37
6"	1/4"	7/8"	08-E 600	C-24	10,200	25	100	56
7"	1/4"	7/8"	08-E 700	C-24	8,600	25	50	52
7"	1/4"	5/8"-11	08-E 705	C-24	8,600	10	40	48
9"	1/4"	7/8"	08-E 900	C-24	6,800	25	50	66
9"	1/4"	5/8"-11	08-E 905	C-24	6,800	10	40	63



- ✓ Fast and free cutting
- ✓ Formulated for cutting but may also be used for intermittent light grinding



1/8" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	1/8"	7/8"	08-D 452	C-24	13,300	25	200	32
5"	1/8"	7/8"	08-D 502	C-24	12,200	25	200	35
6"	1/8"	7/8"	08-D 602	C-24	10,200	25	100	30
7"	1/8"	7/8"	08-D 702	C-24	8,600	25	100	39
7"	1/8"	5/8"-11	08-D 707	C-24	8,600	10	40	32
9"	1/8"	7/8"	08-D 902	C-24	6,800	25	100	69
9"	1/8"	5/8"-11	08-D 907	C-24	6,800	10	40	38

CUP WHEELS



- ✓ Widely used for rough grinding or snagging work
- ✓ Supplied with a deeply anchored wrap-around steel hub for maximum safety and long life
- ✓ 5/8"-11 threaded arbor for spin-on mounting



TYPE 11

Dia.	Arbor	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	5/8"-11	12-A 004	9,100	1	10	23
5"	5/8"-11	12-A 005	8,600	1	10	37
6"	5/8"-11	12-A 006	6,800	1	10	51



Dia.	Arbor	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	5/8"-11	12-B 004	9,100	1	10	20
5"	5/8"-11	12-B 005	8,600	1	10	31
6"	5/8"-11	12-B 006	6,800	1	10	43



BENCH GRINDING WHEELS



- ✓ For general purpose grinding work on bench and pedestal grinders
- ✓ Grits 24 and 36 for fast and rough grinding
- ✓ Grit 46 for intermediate requirements
- ✓ Grits 60 and 80 for finer finish work
- ✓ All wheels are supplied with a set of nested reducer bushings to fit on 1", 3/4", 5/8" and 1/2" shafts



TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
6"	3/4"	1"	12-E 324	36 coarse	4,100	1	1	2
6"	3/4"	1"	12-E 325	46 medium	4,100	1	1	2
6"	3/4"	1"	12-E 328	80 fine	4,100	1	1	2
6"	1"	1"	12-E 344	36 coarse	4,100	1	1	2
6"	1"	1"	12-E 345	46 medium	4,100	1	1	2
6"	1"	1"	12-E 348	80 fine	4,100	1	1	2
7"	1"	1"	12-E 444	36 coarse	3,600	1	1	3
7"	1"	1"	12-E 447	60 fine	3,600	1	1	3
7"	1 1/4"	1"	12-E 454	36 coarse	3,600	1	1	4
7"	1 1/4"	1"	12-E 457	60 fine	3,600	1	1	4
8"	7/8"	1"	12-E 533	24 coarse	3,600	1	1	4
8"	7/8"	1"	12-E 537	60 fine	3,600	1	1	4
8"	1"	1"	12-E 543	24 coarse	3,600	1	1	4
8"	1"	1"	12-E 545	46 medium	3,600	1	1	4
8"	1"	1"	12-E 547	60 fine	3,600	1	1	4
8"	1 1/4"	1"	12-E 553	24 coarse	3,600	1	1	6
8"	1 1/4"	1"	12-E 557	60 fine	3,600	1	1	6
10"	1"	1"	12-E 643	24 coarse	2,500	1	1	7
10"	1"	1"	12-E 647	60 fine	2,500	1	1	7
10"	1 1/4"	1"	12-E 653	24 coarse	2,500	1	1	8
10"	1 1/4"	1"	12-E 657	60 fine	2,500	1	1	8

CARBIDE

TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
6"	3/4"	1"	12-E 329	80 fine	4,100	1	1	2
7"	1"	1"	12-E 449	80 fine	3,600	1	1	3
7"	1 1/4"	1"	12-E 459	80 fine	3,600	1	1	3
8"	7/8"	1"	12-E 539	80 fine	3,600	1	1	4
8"	1"	1"	12-E 549	80 fine	3,600	1	1	4
8"	1 1/4"	1"	12-E 559	80 fine	3,600	1	1	4
10"	1"	1"	12-E 649	80 fine	2,500	1	1	7

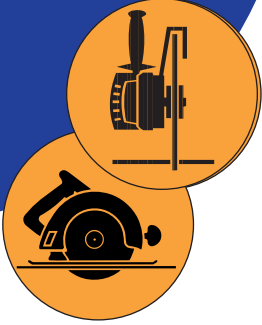
ACCESSORIES

REDUCER BUSHINGS

- Set 3/4" wide, from 1" to 3/4", 5/8" and 1/2" Order No. 12-E 006
- Set 1" wide, from 1" to 3/4", 5/8" and 1/2" Order No. 12-E 007
- Pair of bushings from 1" to 7/8" Order No. 12-E 008

WHEEL DRESSERS See page 58.

CUTTING



ZIP™ Wheel

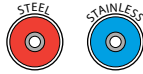
HIGH PERFORMANCE CUTTING WITH ANGLE GRINDERS AND CIRCULAR SAWS

These new extra thin cut-off wheels have set a new industry wide performance benchmark. They cut faster, freer and cooler requiring less power than any other thin cut-off wheel. They are reinforced for extra safety but are very flexible and resilient to resist twisting and bending and will give a true and straight cut every time.

USED DAILY BY: Metal fabricators, maintenance departments, sheet metal shops, welding shops, mechanical contractors, food equipment manufacturers, automotive shops, pulp and paper mills and many others.



TYPE 1



Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	3/64"	7/8"	11-T 042	A-60-ZIP	13,300	25	400	25
4 1/2"	1/16"	7/8"	11-T 242	A-46-ZIP	13,300	25	400	28
5"	3/64"	7/8"	11-T 052	A-60-ZIP	12,200	25	400	30
5"	1/16"	7/8"	11-T 252	A-46-ZIP	12,200	25	400	33
6"	3/64"	7/8"	11-T 062	A-60-ZIP	10,200	25	100	14
7"	1/16"	7/8"	11-T 072	A-30-ZIP	8,600	25	100	24
9"	5/64"	7/8"	11-T 092	A-30-ZIP	6,800	25	100	48

- ✓ Extra fast cutting in steel, stainless steel, aluminum and other non-ferrous metals
- ✓ Fastest cutting wheel in its class with longer life
- ✓ Operators' choice – free cutting with less binding for burr free finishes



TYPE 1



Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	3/64" (.045")	7/8"	11-F 042	A-60-SS-ZIP	13,300	25	400	46
5"	3/64" (.045")	7/8"	11-F 052	A-60-SS-ZIP	12,200	25	400	52
6"	3/64" (.045")	7/8"	11-F 062	A-60-SS-ZIP	10,200	25	200	37
7"	1/16" (.062")	7/8"	11-F 072	A-46-SS-ZIP	8,600	25	100	30
9"	5/64" (.078")	7/8"	11-F 092	A-46-SS-ZIP	6,800	25	100	45



TYPE 1



Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	3/64"	7/8"	11-U 042	A-60-ZIP-ALU	13,300	25	400	25
5"	3/64"	7/8"	11-U 052	A-60-ZIP-ALU	12,200	25	400	30
6"	3/64"	7/8"	11-U 062	A-60-ZIP-ALU	10,200	25	200	28
7"	1/16"	7/8"	11-U 072	A-30-ZIP-ALU	8,600	25	100	24



TYPE 1



Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
7"	1/16"	5/8"	11-T 070	A-30-ZIP	8,600	25	100	24
8"	1/16"	5/8"	11-T 080	A-30-ZIP	7,600	25	100	31

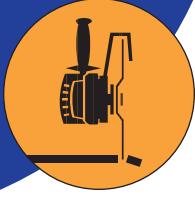
Performance



ZIP extra thin cut-off wheels cut faster, freer and cooler, requiring less power.

Other cut-off wheels must remove more material, they cut slower and put a heavier load on the grinder.

CUTTING



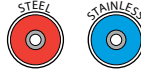
ZIP™

HIGH PERFORMANCE CUTTING WITH DEPRESSED CENTER WHEELS

This new generation of depressed center wheels is formulated for the most demanding cutting applications in steel or stainless steel.

ZIP TYPE 27/42

TYPE 27



	Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
	4 1/2"	3/64" (.045")	7/8"	11-T 142	A-60-ZIP	13,300	25	400	46
NEW	4 1/2"	1/16" (.062")	7/8"	11-T 453	A-46-ZIP	13,300	25	400	48
	5"	3/64" (.045")	7/8"	11-T 152	A-60-ZIP	12,200	25	400	52
NEW	5"	1/16" (.062")	7/8"	11-T 503	A-46-ZIP	12,200	25	400	54
	6"	3/64" (.045")	7/8"	11-T 162	A-60-ZIP	10,200	25	200	37
	7"	1/16" (.062")	7/8"	11-T 172	A-30-ZIP	8,600	25	100	30
	9"	5/64" (.078")	7/8"	11-T 192	A-30-ZIP	6,800	25	100	45

- ✓ Extra thin to cut faster, freer and cooler
- ✓ Metal hub cladding for extra strength and added safety
- ✓ Excellent for flush cutting in confined spaces

ZIP STAINLESS TYPE 27/42

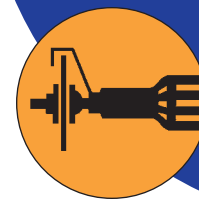
TYPE 27



	Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
	4 1/2"	3/64" (.045")	7/8"	11-F 142	A-60-SS-ZIP	13,300	25	400	46
	5"	3/64" (.045")	7/8"	11-F 152	A-60-SS-ZIP	12,200	25	400	52
	6"	3/64" (.045")	7/8"	11-F 162	A-60-SS-ZIP	10,200	25	200	37
	7"	1/16" (.062")	7/8"	11-F 172	A-46-SS-ZIP	8,600	25	100	30
	9"	5/64" (.078")	7/8"	11-F 192	A-46-SS-ZIP	6,800	25	100	45

- ✓ Extra thin to cut faster, freer and cooler
- ✓ Metal hub cladding for extra strength and added safety
- ✓ Excellent for flush cutting in confined spaces





ZIP™

HIGH PERFORMANCE CUTTING AND GRINDING WITH STRAIGHT SHAFT AND DIE GRINDERS

These wheels are formulated for high performance cutting, notching and grinding. They are made from highly refined ingredients which will not contaminate stainless steel.

- ✓ General purpose cutting and grinding of all types of steel and stainless steel
- ✓ Fast, cool and free cutting allowing the operator to work with minimal pressure for best control
- ✓ Excellent wheel life



For MANDRELS see page 58.

- ✓ Exclusive metal hub provides greater safety and straighter cuts
- ✓ Type 27 hub allows for perfectly flush cutting



2" ZIP™

TYPE 1

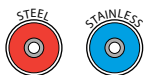
Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
2"	1/16"	5/16"	11-L 211	A-24-ZIP	31,000	25	200	4
2"	1/8"	5/16"	11-L 221	A-24-ZIP	31,000	25	200	6
2"	1/4"	5/16"	11-L 231	A-24-ZIP	31,000	25	200	12
2"	1/2"	5/16"	11-L 251	A-24-ZIP	31,000	25	200	24
2"	1/16"	3/8"	11-L 213	A-24-ZIP	31,000	25	200	4
2"	1/8"	3/8"	11-L 223	A-24-ZIP	31,000	25	200	6
2"	1/4"	3/8"	11-L 233	A-24-ZIP	31,000	25	200	12
2"	1/2"	3/8"	11-L 253	A-24-ZIP	31,000	25	200	24



3" ZIP™

TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
3"	1/32"	1/4"	11-L 302	A-60-ZIP	25,470	25	200	5
3"	1/16"	1/4"	11-L 312	A-24-ZIP	25,470	25	200	10
3"	1/8"	1/4"	11-L 322	A-24-ZIP	25,470	25	200	16
3"	1/32"	3/8"	11-L 303	A-60-ZIP	25,470	25	200	5
3"	1/16"	3/8"	11-L 313	A-24-ZIP	25,470	25	200	10
3"	1/8"	3/8"	11-L 323	A-24-ZIP	25,470	25	200	16
3"	1/4"	3/8"	11-L 333	A-24-ZIP	25,470	25	200	14
3"	1/2"	3/8"	11-L 353	A-24-ZIP	25,470	25	200	28



4" ZIP™

TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	1/32"	3/8"	11-L 403	A-60-ZIP	19,100	25	200	10
4"	1/16"	3/8"	11-L 413	A-24-ZIP	19,100	25	200	18
4"	1/8"	3/8"	11-L 423	A-24-ZIP	19,100	25	200	27
4"	1/4"	3/8"	11-L 433	A-24-ZIP	19,100	25	100	27
4"	1/2"	3/8"	11-L 453	A-24-ZIP	19,100	25	100	54
4"	1/32"	5/8"	11-L 405	A-60-ZIP	19,100	25	200	10
4"	1/16"	5/8"	11-L 415	A-24-ZIP	19,100	25	200	18



3" and 4" ZIP™

TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
3"	1/32"	3/8"	11-U 303	A-60-ZIP-ALU	25,470	25	200	5
4"	1/32"	3/8"	11-U 403	A-60-ZIP-ALU	19,100	25	200	10



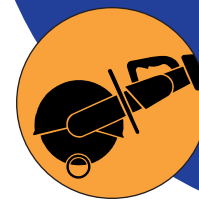
New!

3" and 4" ZIP™

TYPE 27

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
3"	1/32"	3/8"	11-L 308*	A-60-ZIP	25,470	25	200	5
4"	1/32"	3/8"	11-L 408**	A-60-ZIP	19,100	25	200	10

* Use with 1/4" 11-L 007 mandrel ** Use with 1/4" 11-L 003 mandrel



PORTACUT™

HIGH SPEED CUTTING WITH GAS AND ELECTRIC POWER SAWS

These premium wheels stand out as the most reliable cut-off wheels for all on-site cutting jobs with portable gas and electric power saws. They are specially reinforced for added safety and formulated for an optimal cutting speed and wheel life ratio.

- ✓ General purpose cutting of steel, cast iron and ductile iron
- ✓ Fast cut, excellent wheel life



PORTACUT™

TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
12"	1/8"	20 mm STIHL	11-A 121	A-24	6,300	10	50	72
12"	1/8"	7/8" PARTNER	11-A 122	A-24	6,300	10	50	72
12"	1/8"	1"	11-A 123	A-24	6,300	10	50	72
14"	1/8"	20 mm STIHL	11-A 141	A-24	5,400	10	50	100
14"	1/8"	7/8" PARTNER	11-A 142	A-24	5,400	10	50	100
14"	1/8"	1"	11-A 143	A-24	5,400	10	50	100

- ✓ Designed for cutting of concrete, concrete blocks, stone, asphalt, etc.
- ✓ General purpose cutting of reinforced concrete pipe, PVC and other plastic pipes
- ✓ Fast cut, excellent wheel life



PORTACUT™

TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
12"	1/8"	20 mm STIHL	11-D 121	C-24	6,300	10	50	67
12"	1/8"	7/8" PARTNER	11-D 122	C-24	6,300	10	50	67
12"	1/8"	1"	11-D 123	C-24	6,300	10	50	67
14"	1/8"	20 mm STIHL	11-D 141	C-24	5,400	10	50	81
14"	1/8"	7/8" PARTNER	11-D 142	C-24	5,400	10	50	81
14"	1/8"	1"	11-D 143	C-24	5,400	10	50	81

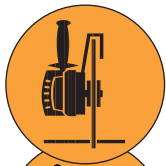
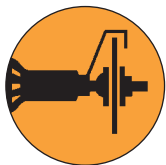


ACCESSORIES

REDUCER BUSHINGS

From	1" to 20 mm	Order No. 10-A 989
	1" to 7/8"	Order No. 10-A 988

CUTTING



Cut-Off Wheels







Day after day, cut after cut, Walter cut-off wheels deliver the most reliable performance. Whether you are cutting with angle grinders, circular saws, portable or stationary abrasive cut-off saws, Walter has a complete range of job matched wheels for fast and easy cuts with burr free edges.

Each wheel is designed for use on a specific power tool to give the optimal cutting speed/wheel life ratio. Continuous research and development assure that every wheel has the highest quality grain, high tensile resin bond and best fiberglass reinforcements for the most advanced abrasive cutting wheels available today.

When you choose Walter you are guaranteed maximal productivity, operator comfort and safety.



THE RIGHT WHEEL FOR THE RIGHT POWER TOOL

POWER TOOL USED	WHEELS	DIAMETERS	PAGE
 Drill/Straight Grinder	Zip	2", 3" and 4"	17
 Angle Grinder	Zip Wheels Toughcut Zip	4 1/2", 5", 6", 7" and 9"	18 19 20
 Circular Saw	Zip Wheels Toughcut	7" and 8"	18 19
 High Speed Gas/Electric Saw	Portacut for Steel Concrete and Ductile/Plastic	12" and 14"	21
 Chop Saw	Chopcut Chopcut II Chopcut Alu	12", 14" and 16"	22
 Stationary Saw	Ripcut - FC Ripcut - II Ripcut - Stainless	12", 14", 16", 18", 20" and 24"	23,24

For tips on the safe and most efficient use of cut-off wheels please refer to **SAFETY FIRST**, page 66.

CUTTING

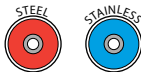


CHOPCUT™

HIGH PERFORMANCE CUTTING WITH PORTABLE CHOP SAWS

These wheels have been specifically developed for use on portable abrasive chop saws. Their formulation allows fast cutting with minimal load on the motor. They are therefore easy on the operator as well as on the saw.

CHOPCUT™ GENERAL PURPOSE

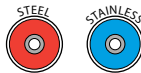


TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
12"	3/32"	1"	10-Q 123	A-30-HC+	5,200	10	50	50
14"	3/32"	1"	10-Q 143	A-30-HC+	4,400	10	50	66
16"	7/64"	1"	10-Q 163	A-30-HC+	3,800	10	50	104

- ✓ Cut a full range of materials from light tubing to heavy solids in steel, stainless, alloyed steel and many non-ferrous metals
- ✓ Fast cutting rate with long wheel life
- ✓ The wheel of choice for solids

CHOPCUT II™ LONG LIFE



TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
12"	3/32"	1"	10-P 123	A-30	5,200	10	50	50
14"	3/32"	1"	10-P 143	A-30	4,400	10	50	68
16"	7/64"	1"	10-P 163	A-30	3,800	10	30	102

- ✓ Make more cuts in light tubing, extrusions and shapes of steel, stainless, alloyed steel and many non-ferrous metals
- ✓ The wheel of choice for tubing and extrusions

CHOPCUT™ ALU

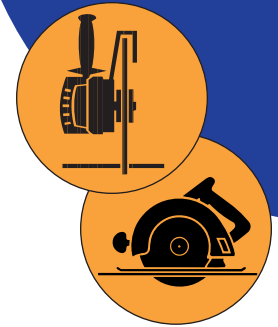


TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
12"	3/32"	1"	10-L 123	A-30-ALU	5,200	10	50	47
14"	3/32"	1"	10-L 143	A-30-ALU	4,400	10	50	65

- ✓ Fast and free cutting in all types of aluminum and non-ferrous metals
- ✓ Unique formulation guarantees no clogging
- ✓ Also cuts all ferrous metals





TOUGH CUT™

HIGH PERFORMANCE CUTTING WITH ANGLE GRINDERS AND CIRCULAR SAWS

These thin wheels for angle grinders and circular saws are made with the characteristics of these tools in mind. They cut fast and free without binding, minimizing the load on the tool to maintain high rpm for a clean cut and best all around performance.



- ✓ For general purpose cutting of all types of steel and stainless steel with angle grinders
- ✓ Fast, cool and free cutting
- ✓ Long wheel life



TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	3/32"	7/8"	11-R 042	A-30	13,300	25	100	14
5"	3/32"	7/8"	11-R 052	A-30	12,200	25	100	32
6"	3/32"	7/8"	11-R 062	A-30	10,200	25	100	22
7"	3/32"	7/8"	11-R 072	A-30	8,600	25	100	40
9"	3/32"	7/8"	11-R 092	A-30	6,800	25	100	66

ACCESSORY

REDUCER BUSHING

7/8" to 5/8" Order No. 10-A 984



- ✓ For general purpose cutting of all types of steel and stainless steel with circular saws
- ✓ Fast, cool and free cutting
- ✓ Long wheel life

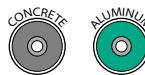


TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
7"	3/32"	5/8"	11-R 070	A-30	8,600	25	100	40
8"	3/32"	5/8"	11-R 080	A-30	7,600	25	100	51
10"	3/32"	5/8"	11-R 100	A-30	6,100	25	100	78



- ✓ For general purpose cutting of all types of concrete, stone, tiles, hard cast iron and aluminum
- ✓ Free and fast cutting with long wheel life



TYPE 1

Dia.	Thick.	Arbor	Order No.	Grit	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
7"	3/32"	5/8"	11-S 070	C-30	8,600	25	100	36
8"	3/32"	5/8"	11-S 080	C-30	7,600	25	100	43





ENDURO FLEX™

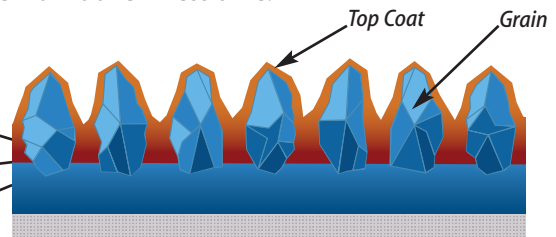
NEW and IMPROVED

THE ONE-STEP FINISHING SOLUTION

Over 20 years ago we introduced the first one-step finishing disc to the Canadian metal fabricating and finishing industry. Through continuous research and field tests, we have redesigned and reformulated the original disc several times. Today's Enduro-Flex one-step finishing discs are the result of this innovation. They are guaranteed to meet the challenges of today's metal fabricating and finishing industry.

BETTER PRODUCTIVITY

New, ultra-sharp and refined zirconium grain stays sharper longer to remove more material faster – you get more work done in less time.



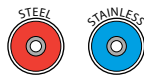
HIGHER PERFORMANCE

Special top coat continuously cools and lubricates the disc for smooth, vibration-free grinding and sanding from start to finish.

Patented backing made from advanced polymer can be trimmed down easily for a customized feel.

INCREASED SAVINGS

Now more than ever, the new ENDURO-FLEX flap discs will remove more welds and finish more surfaces in just one step – to substantially reduce your grinding and finishing costs.



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	5/8"-11	40	06-B 454	13,300	10	40	9
4 1/2"	5/8"-11	60	06-B 456	13,300	10	40	7
4 1/2"	5/8"-11	80	06-B 458	13,300	10	40	7
4 1/2"	5/8"-11	120	06-B 462	13,300	10	40	6
4 1/2"	7/8"	40	15-R 454	13,300	10	40	9
4 1/2"	7/8"	60	15-R 456	13,300	10	40	7
4 1/2"	7/8"	80	15-R 458	13,300	10	40	7
4 1/2"	7/8"	120	15-R 462	13,300	10	40	6
5"	5/8"-11	40	06-B 504	12,200	10	40	12
5"	5/8"-11	60	06-B 506	12,200	10	40	10
5"	5/8"-11	80	06-B 508	12,200	10	40	9
5"	5/8"-11	120	06-B 512	12,200	10	40	8
6"	5/8"-11	40	06-B 604	10,200	10	40	16
6"	5/8"-11	60	06-B 606	10,200	10	40	15
6"	5/8"-11	80	06-B 608	10,200	10	40	14
6"	5/8"-11	120	06-B 612	10,200	10	40	13
7"	7/8"	40	15-R 704	8,600	10	40	25
7"	7/8"	60	15-R 706	8,600	10	40	21
7"	7/8"	80	15-R 708	8,600	10	40	19
7"	7/8"	120	15-R 712	8,600	10	40	18





Long life

USE ENDURO-FLEX ALL THE WAY DOWN !

No need to discard the disc when the flap overhang is worn down to the backing. The Enduro-Flex flap disc is equipped with a

- ✓ patented polymer backing for safe and easy trimming
- ✓ patented shape for faster trimming and vibration-free grinding all the way down to the stub



Convenient and Safe

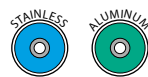
SPIN-ON QUICK-CHANGE MOUNTING

Enduro-Flex flap discs feature a

- ✓ strong and safe built-in threaded arbor for quick and easy disc changes while ensuring total operator control
- ✓ new raised hub that fits all standard angle grinder back flanges

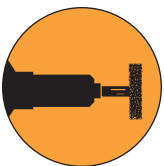


- ✓ Iron(Fe), Sulfur(S) and Chlorine(Cl) free
- ✓ Consistent finish without any discoloration
- ✓ Cool cutting will not load up or glaze
- ✓ Superior performance on all heat sensitive metals



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4 1/2"	5/8"-11	40	06-F 454	13,300	10	40	9
4 1/2"	5/8"-11	60	06-F 456	13,300	10	40	7
4 1/2"	5/8"-11	80	06-F 458	13,300	10	40	7
4 1/2"	5/8"-11	120	06-F 462	13,300	10	40	6
4 1/2"	7/8"	40	15-Q 454	13,300	10	40	9
4 1/2"	7/8"	60	15-Q 456	13,300	10	40	7
4 1/2"	7/8"	80	15-Q 458	13,300	10	40	7
4 1/2"	7/8"	120	15-Q 462	13,300	10	40	6
5"	5/8"-11	40	06-F 504	12,200	10	40	12
5"	5/8"-11	60	06-F 506	12,200	10	40	10
5"	5/8"-11	80	06-F 508	12,200	10	40	9
5"	5/8"-11	120	06-F 512	12,200	10	40	8
6"	5/8"-11	40	06-F 604	10,200	10	40	16
6"	5/8"-11	60	06-F 606	10,200	10	40	15
6"	5/8"-11	80	06-F 608	10,200	10	40	14
6"	5/8"-11	120	06-F 612	10,200	10	40	13
7"	7/8"	40	15-Q 704	8,600	10	40	25
7"	7/8"	60	15-Q 706	8,600	10	40	21
7"	7/8"	80	15-Q 708	8,600	10	40	19
7"	7/8"	120	15-Q 712	8,600	10	40	18

BRUSHING





High Performance Power Brushes

FOR PORTABLE AND STATIONARY POWER TOOLS

Walter high performance brushes are designed with the operator in mind. They are made from top quality wire that is precisely positioned for perfect balance and smooth yet aggressive fast brushing action.





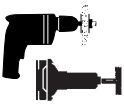
For your most rugged and heavy duty brushing operations, industrial cleaning jobs, deburring, edge cleaning, scale removal, heavy rust corrosion and weld spatter, Walter brushes are made to outperform.

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 stainless steel #302 wire to prevent contamination and surface rusting of brushed stainless parts. Also may be used on aluminum and other non-ferrous metals.

*For tips on the safe and most efficient use of power brushes please refer to **SAFETY FIRST**, page 66.*

CHOOSE THE RIGHT WIRE BRUSH

POWER TOOL	ANGLE OF USE	TYPE OF BRUSH	WIRE CONSTRUCTION	APPLICATION	PAGE
	Flat Brushing	Cup Brushes	Crimped	Cleaning large surfaces (softer impact than knotted brushes)	53
			Knotted	More aggressive cleaning and brushing	53
	Angle Brushing	Saucer Cup Brushes	Knotted	Working at angle in corners, contours and hard to reach places	54
	Vertical Brushing	Wheel Brushes	Stringer	Extra narrow for maximum impact in narrow grooves	55
			Knotted	Heavy duty surface cleaning	55
	Vertical Brushing	Brushes for Bench/Pedestal Grinders	Crimped	General purpose cleaning jobs	57
	Vertical Brushing	Mounted Brushes	Crimped	General surface cleaning like rust and paint removal	56
			Knotted	Heavy duty applications	56



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 spots like inside corners, edges and contours.

TWIST-KNOT



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	M14 x 2.0	13-H 402	.015"	20,000	1	10	9
4"	5/8" - 11	13-H 404	.015"	20,000	1	10	9
5"	M14 x 2.0	13-H 502	.020"	15,000	1	10	9
5"	5/8" - 11	13-H 504	.020"	15,000	1	10	9
7"	5/8" - 11	13-H 704	.020"	10,000	1	10	18



TWIST-KNOT



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	M14 x 2.0	13-H 412	.015"	20,000	1	10	9
4"	5/8" - 11	13-H 414	.015"	20,000	1	10	9
5"	M14 x 2.0	13-H 512	.020"	15,000	1	10	9
5"	5/8" - 11	13-H 514	.020"	15,000	1	10	9
7"	5/8" - 11	13-H 714	.020"	10,000	1	10	18



- ✓ For surface cleaning like removing paint, rust and corrosion
- ✓ Tightly knotted for maximum impact and long brush life
- ✓ Equipped with threaded arbors for quick and easy mounting

CHOOSING THE PROPER DIAMETER WIRE BRUSH TO MATCH THE RATED DIAMETER OF THE GRINDER



CUP BRUSH

Brush Dia.	Angle Grinder rated as
3"	4", 4 1/2", 5", 6"
4"	7", 9"
5"	7", 9"
6"	9"



SAUCER CUP BRUSH

Brush Dia.	Angle Grinder rated as
4"	4", 4 1/2", 5"
5"	5", 6"
7"	7", 9"



WIRE WHEEL BRUSH

Brush Dia.	Angle Grinder rated as
4"	4", 4 1/2", 5"
4 1/2"	4 1/2", 5"
5"	5", 6"
6", 6 7/8"	7", 9"



MOUNTED WIRE BRUSH

Brush Dia.	Grinder
3/4" to 3"	All die grinders with suitable speed range



WIRE CUP BRUSHES

FOR ANGLE GRINDERS

These wire cup brushes are designed for high performance flat surface brushing of large areas. They are made from top quality wire that is precisely positioned for perfect balance and smooth but aggressive and fast brushing action. All cup brushes are equipped with threaded arbors for quick and easy mounting.



- ✓ Excellent for light surface cleaning, rust and paint removal
- ✓ Softer impact than knotted construction to give a finer finish



- ✓ Knot-twisted for heavy duty brushing like deburring, weld edge cleaning, removal of scale, spatter, heavy rust and corrosion



- ✓ 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.



CRIMPED

Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
3"	M10 x 1.25	13-D 300	.0118"	12,000	1	10	60
3"	M14 x 2.0	13-D 302	.0118"	12,000	1	10	57
3"	5/8" - 11	13-D 304	.0118"	12,000	1	10	58
5"	5/8" - 11	13-E 504	.020"	8,600	1	10	72



CRIMPED

3"	M14 x 2.0	13-D 312	.0118"	12,000	1	10	56
3"	5/8" - 11	13-D 314	.0118"	12,000	1	10	58
5"	5/8" - 11	13-E 514	.020"	8,600	1	10	71



TWIST-KNOT

3"	M10 x 1.25	13-F 300	.015"	12,000	1	10	61
3"	M10 x 1.5	13-F 301	.015"	12,000	1	10	61
3"	M14 x 2.0	13-F 302	.015"	12,000	1	10	58
3"	1/2" - 13	13-F 303	.015"	12,000	1	10	58
3"	5/8" - 11	13-F 304	.015"	12,000	1	10	58
3"	5/8" - 11	13-F 354	.020"	12,000	1	10	60



TWIST-KNOT

3"	M10 x 1.25	13-F 310	.015"	12,000	1	10	58
3"	M14 x 2.0	13-F 312	.015"	12,000	1	10	59
3"	5/8" - 11	13-F 314	.015"	12,000	1	10	56



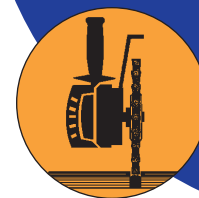
TWIST-KNOT WITH RING

3"	M14 x 2.0	13-G 302	.020"	12,000	1	10	66
3"	1/2" - 13	13-G 303	.020"	12,000	1	10	70
3"	5/8" - 11	13-G 304	.020"	12,000	1	10	66
4"	5/8" - 11	13-G 404	.020"	8,600	1	10	86
5"	5/8" - 11	13-G 504	.020"	8,600	1	10	109
5"	5/8" - 11	13-G 554	.035"	8,600	1	10	106
6"	5/8" - 11	13-G 604	.020"	6,800	1	10	141



TWIST-KNOT WITH RING

3"	M14 x 2.0	13-G 312	.020"	12,000	1	10	65
3"	5/8" - 11	13-G 314	.020"	12,000	1	10	65
5"	5/8" - 11	13-G 514	.020"	8,600	1	10	107



WIRE WHEEL BRUSHES

FOR ANGLE GRINDERS

These wire wheel brushes are used for working in grooves and for heavy duty surface brushing. They 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. The narrow face contact gives the highest impact and fast material removal.



- ✓ Stringer bead brushes are extra narrow to clean welds between passes and to brush in narrow grooves



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



STRINGER BEAD

Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	1/4"	M14x2.0	13-K 402	.020"	20,000	1	10	5
4"	1/4"	5/8" - 11	13-K 404	.020"	20,000	1	10	5
4 1/2"	1/4"	M14x2.0	13-K 452	.020"	15,000	1	10	7
4 1/2"	1/4"	5/8" - 11	13-K 454	.020"	15,000	1	10	7
5"	1/4"	M14x2.0	13-K 502	.020"	15,000	1	10	10
5"	1/4"	5/8" - 11	13-K 504	.020"	15,000	1	10	10
6"	1/4"	5/8" - 11	13-K 604	.020"	10,000	1	10	12
6 7/8"	1/4"	5/8" - 11	13-K 654	.020"	9,000	1	10	17



STRINGER BEAD

4"	1/4"	M14x2.0	13-K 412	.020"	20,000	1	10	5
4"	1/4"	5/8" - 11	13-K 414	.020"	20,000	1	10	5
4 1/2"	1/4"	M14x2.0	13-K 462	.020"	15,000	1	10	7
4 1/2"	1/4"	5/8" - 11	13-K 464	.020"	15,000	1	10	7
5"	1/4"	M14x2.0	13-K 512	.020"	15,000	1	10	10
5"	1/4"	5/8" - 11	13-K 514	.020"	15,000	1	10	12
6"	1/4"	5/8" - 11	13-K 614	.020"	10,000	1	10	15



TWIST-KNOT

Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Lbs./ Ctn.
4"	5/8"	M14x2.0	13-L 402	.020"	20,000	1	10	6
4"	5/8"	5/8" - 11	13-L 404	.020"	20,000	1	10	6
4 1/2"	5/8"	M14x2.0	13-L 452	.020"	15,000	1	10	8
4 1/2"	5/8"	5/8" - 11	13-L 454	.020"	15,000	1	10	8
5"	5/8"	M14 x2.0	13-L 502	.020"	15,000	1	10	12
5"	5/8"	5/8" - 11	13-L 504	.020"	15,000	1	10	12
6"	5/8"	5/8" - 11	13-L 604	.020"	10,000	1	10	16
Double-row								
5"	7/8"	5/8" plain	13-M 505	.020"	8,600	1	10	16
6"	7/8"	5/8" plain	13-M 605	.020"	6,800	1	10	20



TWIST-KNOT

4"	5/8"	M14x2.0	13-L 412	.020"	20,000	1	10	5
4"	5/8"	5/8" - 11	13-L 414	.020"	20,000	1	10	5
4 1/2"	5/8"	M14x2.0	13-L 462	.020"	15,000	1	10	7
4 1/2"	5/8"	5/8" - 11	13-L 464	.020"	15,000	1	10	7
5"	5/8"	M14 x2.0	13-L 512	.020"	15,000	1	10	10
5"	5/8"	5/8" - 11	13-L 514	.020"	15,000	1	10	10
6"	5/8"	5/8" - 11	13-L 614	.020"	10,000	1	10	12