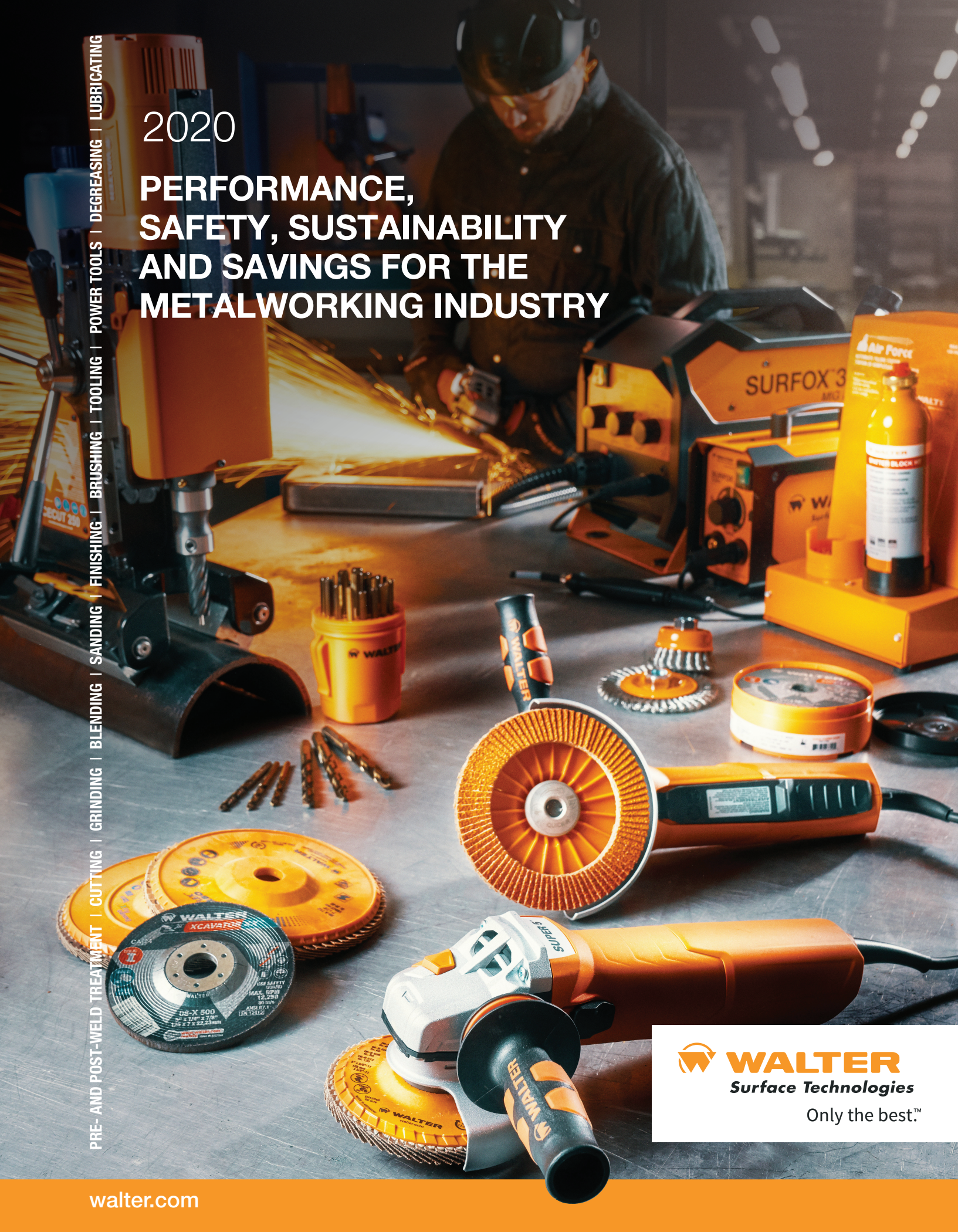


PRE- AND POST-WELD TREATMENT | CUTTING | GRINDING | BLENDING | SANDING | FINISHING | BRUSHING | TOOLING | POWER TOOLS | DEGREASING | LUBRICATING

2020

PERFORMANCE, SAFETY, SUSTAINABILITY AND SAVINGS FOR THE METALWORKING INDUSTRY



WALTER
Surface Technologies

Only the best.™

HELPING CUSTOMERS WORK BETTER DAY AFTER DAY **THAT'S WHAT WE DO**

Walter Surface Technologies provides high productivity abrasives, power tools, tooling, chemical tools and environmental solutions to the metalworking industry. We have done this since 1952. To help you work better, we developed our Partnership in Productivity program, which is dedicated to safety and productivity.

This encompasses our Bucket Program, Productivity Reports, Safety Seminars and Product Demonstrations – all designed to help our customers work better and safer. We continuously improve our customer support capabilities so that we can continue to help workers around the world.

PROVIDED SOLUTIONS

- Pre- and post-welding
- Cutting
- Grinding
- Blending
- Sanding
- Finishing
- Brushing
- Tooling
- Power tools
- Cleaning and degreasing
- Lubricating



PARTNERSHIP IN PRODUCTIVITY PROGRAMS

CHEMICAL AUDITS AND PROCESS OPTIMIZATION

Increased productivity and safety through professional audits

Walter technicians analyze your contaminants and cleaning processes and recommend ways to improve efficiency and productivity. We provide a detailed cost analysis report to help you make informed decisions. Our representatives are trained professionals ready to listen. They make suggestions, demonstrate products, and let you see for yourself how well Walter products work. Chemical audits help consolidate product requirements and optimize inventory.



SAFETY SEMINARS AND INDUSTRY TRAINING

Because health and safety are top priority

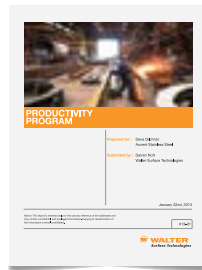
As an addition to Walter's value-added services, we offer FREE Safety Seminars to encourage a safer work environment. Whether it is the Abrasives Safety Seminar or the Chemical Safety Seminar that you are interested in, Walter works with you to customize the perfect training for your team. We provide hands-on training at our fully-equipped campus so your team can innovate and operate safely. While training, you will work with our professional Product Management Team.



PRODUCTIVITY REPORTS

Working to positively impact your business

Accompanying every Bucket Program analysis, a detailed productivity report comparing Walter products versus competitive products in terms of yearly usage, removal, labour time and cost, product life and product cost. The goal of the productivity report is to provide you with all the facts in hand, so that you can optimize your productivity and make adjustments that will positively impact your business.



THE BUCKET PROGRAM

Evaluation of cost savings potential and improved worker safety

Walter will assist in optimizing your workflow and cost savings by analyzing your abrasive and tooling usages and work processes through our Bucket Program. Based on our analysis, we will be able to make recommendations on how you can improve efficiency, reduce abrasive costs, improve productivity and encourage safer working habits, maximizing every dollar spent on consumables.



PRODUCT DEMONSTRATION

Our team is trained to listen and provide innovative solutions that answer your specific needs. With our mobile product demonstration trucks, Walter's team can easily go to your facility and help make the fabricating and finishing process more efficient, reducing both abrasive spend and overall production costs.




THE MONEY MAKER GUARANTEE

Walter's money maker guarantee certifies that all Walter products are designed, manufactured and sold with our total commitment in saving time, lasting longer and making money for you. Your total satisfaction is paramount to us, which is why we will reimburse you for your original purchase price*. That is our guarantee.

* Walter will reimburse up to \$1000 via free products if you are not completely satisfied.



NEW PRODUCTS FOR 2020

TO DISCOVER MORE ABOUT THESE NEW PRODUCTS GO TO THEIR SPECIFIC PAGE, INDICATED WITH THIS SYMBOL 

XCAVATOR XX™

Ultra-fast material removal and comfort

Remove more material faster and comfortably. With its unique ceramic grain blend, the ferrous-free Xcavator™ XX is the most productive wheel for heavy-duty grinding on steel and stainless steel.



GRINDER GRIP™

Keep idle tools safe and close

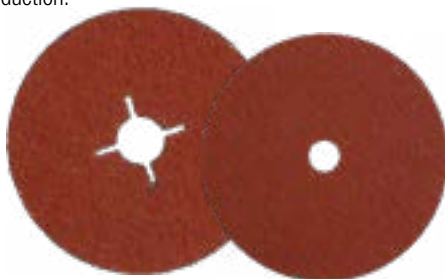
The magnetic Grinder Grip™ makes work easier, safer and convenient. Attach the magnet to your grinder for adhesion to any ferrous metal surface. Keep tools and abrasives out of harm's way when not in use.



XTRACUT™

Exceptional sanding performance on steel

XTRACUT™ equals ultra-high stock removal and long service life. Optimized self-sharpening ceramic grains enable consistently high performance. Your quickest and coolest cutting sanding disc for steel and steel production.



RUBBER BACKING PADS

Better performance. Greater flexibility

Pressure-resistant rubber backing pads offer great performance, enhanced operator comfort and superior flexibility so you can get the job done quickly and safely.



AIR FORCE™ SYSTEMS

*Lower costs. Lower environmental impact
Now available for anti-spatter solutions and CB 100*

The Air Force fill station offers the convenience of aerosol cans and the cost-effectiveness of bulk buying. Dispenses Spatter Block™, Spatter Block™ HT, E-WELD™ 3, E-WELD™ 4 and CB 100™ with compressed air into refillable spray cans.



SURFOX™ TURBO

Powerful. Compact. Reliable!

The SURFOX™ TURBO cleans TIG, MIG and spot welds on stainless steel. Excellent cost-benefit ratio for cleaning and achieving passivation. Powerful, compact and portable, SURFOX™ TURBO gets the job done in the simplest and easiest way.



NEW PRODUCTS FOR 2020

GOLD MATRIX READY™

Contaminants are no match for Gold Matrix Ready™

Foamless Gold Matrix Ready™ removes greases, organic contaminants, coatings, markers, smoke, dust and carbon deposits. Perfect for trigger sprayer applications, hot parts washers, ultrasonic baths, dip tanks, floor cleaners and pressure washers.



ALL-SEASON™

Powerful cleaning in any weather

Tough cleaning jobs such as bitumen, tar and asphalt are no match for All-Season™ – even at extreme temperatures. The perfect alternative to solvent-based and D-limonene-based cleaners.



SPATTER BLOCK™

New name. Same performance

Spatter Block™ is the new name for Walter's E-Weld™ family of anti-spatter solutions. Spatter Block™ solutions are biodegradable, non-flammable, and non-toxic. Just like E-Weld™, Spatter Block™ improves work processes without sacrificing safety.



SPATTER BLOCK HT™

High-temperature weld spatter protection

Avoid costly reworks. Odorless and VOC-free Spatter Block™ HT is a safe and natural solution that protects workpieces from weld spatter. Your go-to solution for multi-pass, high-temperature, spatter-free welding.



ICECUT MINI™

Low-profile magnetic drilling unit

ICECUT Mini™ is the ultimate compact mag drill for making holes in tight spaces and tough applications. Its powerful electromagnet and 2"X2" drilling capacity making it the most versatile unit in its class.



REAMERS

Ultimate cutting. Longest life

Get exceptional cutting performance with Walter long-life reamers. The perfect tool for enlarging and aligning holes in separate pieces of metal. Tapered design and three flat shank for hassle-free use with hand-held drills.



TABLE OF CONTENTS

Look for these symbols – **M M** – for new products.

Series	Page	Series	Page
	4		
	9		
	10		
01 PRE- AND POST-WELDING TREATMENT	11	03 GRINDING	53
	12		54
54-D SURFOX weld cleaning	13	08-X XCAVATOR XX grinding wheels	55
54-D SURFOX 305 MIG & TIG and accessories	14	08-P XCAVATOR grinding wheels	56
54-D SURFOX 205 and accessories	15	08-B 1/4" HP grinding wheels	57
54-D SURFOX Mini and accessories	16	08-B 1/8" HP COMBO cutting and grinding wheels	58
54-D SURFOX Turbo and accessories	18	08-K HP XX grinding wheels	59
54-A SURFOX-G, SURFOX-T and SURFOX-N solutions	19	08-F STAINLESS grinding and cutting wheels	60
54-A SURFOX Pre-Weld, SURFOX Renew and SURFOX Shine cleaners and protectors	20	08-L ALU grinding and cutting wheels	61
54-B SURFOX accessories	21, 22	08-D/08-E CONCRETE grinding and cutting wheels	61
54-A/54-B SURFOX marking kits and accessories	23	08-N PIPEFITTER pipe grinding wheels	62
54-T Surface measuring systems	24, 25	12-A/12-B HP cup wheels	63
54-T SURFOX Smart Passivation tester	27	12-C Plugs and cones	63
53-F Anti-spatter Solutions	28	12-D Mounted points	64, 65
53-F E-WELD Nozzle protector	29	12-E Bench grinding wheels	66
53-F SPATTER BLOCK Gel anti-spatter	30	04 BLENDING	67
53-F E-WELD Plasma	31		68
53-F SPATTER BLOCK anti-spatter emulsion	31	06-B/15-R ENDURO-FLEX flap discs	69
53-F SPATTER BLOCK HT high temperature anti-spatter	32	ENDURO-FLEX comparison test	70
53-F E-WELD 3 anti-spatter solution	32	15-U/06-U ENDURO-FLEX ALU flap discs	71
53-F E-WELD 4 premium anti-spatter emulsion	33	06-F/15-Q ENDURO-FLEX Stainless flap discs	72
53-L Industrial pump sprayers	33	15-I ENDURO-FLEX 2-in-1 finishing discs	73
53-L Refillable trigger sprayers	34, 35	15-I ENDURO-FLEX 2-in-1 TURBO finishing discs	73
57-D AIR FORCE SYSTEM start-up packages	35	ENDURO-FLEX Turbo comparison test	74
02 CUTTING	37	06-A ENDURO-FLEX Turbo flap discs	75
	38	15-T ERGOFLEX abrasives	76
ZIPCUT Wheel selection chart	39	15-L FLEXCUT flexible grinding wheels	77
ZIPCUT Features	41	15-L FLEXCUT MILL SCALE flexible grinding wheels	78
11-T ZIP XTREME cut-off wheels	41	05 SANDING	79
11-H ZIP TITAN cut-off wheels	42		80
11-T ZIPCUT cut-off wheels	43	Sanding Wheel selection chart	81
11-T ZIPCUT SPIN-ON cut-off wheels	44	15-A XTRACUT sanding discs	82
11-T ZIP+ XTRA cut-off wheels	44	15-X COOLCUT XX sanding discs	83
11-R TOUGH CUT cut-off wheels	45	15-X COOLCUT XX Quick-Change sanding discs	83
11-T ZIP One cut-off wheels	46	15-P TOPCUT sanding discs	84
11-F ZIP STAINLESS cut-off wheels	46	15-C COOLCUT sanding discs	85
11-U ZIP ALU cut-off wheels	47	15-D/15-M Backing pads	86, 87
11-T COMBO ZIP cut-off wheels	48, 49	15-G COOLCUT flap wheels	88
11-L ZIP cut-off wheels	49	15-E TWO-IN-ONE flap wheels	88
11-U ZIP ALU cut-off wheels	50	15-F COOLCUT flap wheels	89
10-H/10-L / 10-P/10-Q CHOPCUT cut-off wheels	51	07-A/07-B BLENDEX hand finishing abrasives	90
10-A/10-B/10-C RIPCUT cut-off wheels	52	14-A/14-C COOLCUT shop rolls and sheets	91
11-A/11-D PORTACUT cut-off wheels	52	06 FINISHING	93
11-V RAILCUT II cut-off wheels	52		88
		Linear surface finishing system	88
		30-A Line-Mate finishing system	95
		07-J COOLCUT flap drums	95
		07-K Two-In-One Drums and Two-In-One	95
		07-M/07-T BLENDEX drums, BLENDEX HD drums and buffing drums	96

Series		Page
07-T	Inox Tape	96
07-T	High polish drum belts	96
07-F/07-H	Pneumatic drums and drum belts	97
07-T	Instant Polish drum belts	98
07-H/07-T	T-lock belts	98
07-H	Hand Rail Finishing Kit	98
07-L	Flex drums and FX drums	99
13-M	Linear crimped brushes	99
30-A	Line-Mate III Kit	99
30-A	Rail-Mate System	100
14-X	COOLCUT XX belts	101
07-D	BLENDEx belts	101
07-T	Rail-Mate polishing belts and polishing pastes	101
14-B/14-D/07-D	Coated and non-woven abrasive file belts	102
	Circular Quick-Step finishing system	103
07-Q	QUICK-STEP metal finishing system and backing pads	104
07-Q/07-X	QUICK-STEP FX and Flex flap discs	105
15-V/07-Q	QUICK-STEP XX sanding discs, interface pads	106
07-T	Polishing Pastes	106
07-R/07-T	QUICK-STEP Blendex and polishing discs	107
07-U	BLENDEx U discs, wheels, mounted points	108
	Polishing Flap Discs	
07-T	INSTANT POLISH Flap discs	109
07-T	ULTIMATE SHINE Flap discs	109
07-T	FELT CUP discs	109
07-T	Polishing Pastes	109
07-X	FX Cleaning abrasives	110
07-X	FX Stainless Cup Wheel	110
07-X	FX Stainless abrasives	111
07-U	Blendex U Turbo	111
07-Q	Quick-Step starter kit	111
30-A	Ulti-Mate finishing system	112
	TWIST surface finishing system	113
04-X	TWIST backing pads	113
04-X	TWIST backing pads	113
04-X	TWIST backing pads	114
04-X	TWIST backing pads	114
04-X	TWIST backing pads	114
04-U	TWIST Blendex U	115
04-T	TWIST Felt polishing discs	115
04-L	TWIST FX cleaning discs	115
04-Z	TWIST starter kits	115

07 BRUSHING 117

	High performance power brushes chart introduction	118, 119
13-D/13-E/13-F/13-G	Wire cup brushes	120 121
13-J/13-K/13-L	Wire wheel brushes for angle grinders	122
13-H	Saucer-cup brushes for angle grinders	123
13-C	Mounted wire brushes for die grinders	124, 125
13-M	Wire brushes for linear finishing tools	125
13-B	Wire wheel brushes for bench and pedestal grinders	126

Series		Page
08	TOOLING	127
	High performance drill bit selection chart introduction	128
	SST118° Jobbers length, Fractional, Quick Shank drill bits	129
01-A	SST+ 135° Jobbers length, Fractional, Round Shank drill bits	130
01-C/01-D	SST+ 135° Jobbers length, Metric and Letter sizes	131
01-B	SST+ 135° Jobbers length, Wire gauge, Round shank drill bits	132
01-K	SST+ 135° Double-ended, Fractional and Rivet sizes, Round Shank stub	133
01-H	SST+ 135° Stub length, Fractional, Quick Shank drill bits	134
01-H/01-J	SST+ 135° Stub length, Fractional and wire gauge, Round Shank drill bits	135
01-R	SST+ 135° 3/8" Reduced Shank, Fractional, Round Shank drill bits	136
01-M	SST+ 135° 1/2" Prentice, Fractional, Three flats Shank drill bits	136
01-E	Drill Bit sets	137
01-W	Multi-Step drill bits with ICECUT coating	138
01-P	Reamers	139
01-W	Multi-Step Reamers	139
01-U	Countersinks	140
03-A/03-B	SST high performance power taps	141
03-A/03-B/03-D	SST+ HSS standard hand taps	142
02-C	Taper pipe taps	143
02-W	wrenches	143
01-V	Carbide burrs	144, 145
	High performance annular cutters	146
05-A/53-B/53-C	Annular cutters selection charts and lubricants	147
05-A/05-E	SST core cut annular cutters	148
05-B/05-F	ICECUT annular cut cutters	149
05-D	Carbide core cut annular cutters	150
05-Z	Pilot pins and adaptors	151
	Magnetic drilling units	
39-D	ICECUT magnetic drills Features	153
39-D	ICECUT MINI	154, 155
39-D	ICECUT 100 and ICECUT 200	156, 157
39-D	ICECUT 250 and ICECUT 250P	158, 159
39-D	ICECUT 300 and ICECUT 400	160, 161
39-D	ICECUT magnetic drills systems	162
38-A	Straight Drill 716-B – 5/8"	162
	Conversion tables and speed charts	163, 166

09 POWER TOOLS 167

	General grinder features	168, 169
30-G	Gringer Grip	170
30-A	4.5" Angle Grinders	172
30-A	5" Angle Grinders	173
30-A	6" Angle Grinders	174
30-A	IRONMAN Grinders	175
30-A	MAXI Grinders, Maxi 7", Maxi 9"	176
30-A	STRAIGHT-MATE straight grinder	177
30-A	SANDER-POLISHER, QUICK-STEP Finisher and QUICK-STEP Finisher system	178
30-A	SANDER-POLISHER, QUICK-STEP Big Buff III and QUICK-STEP Big-Buff III system	179

Series		Page
30-A	Ulti-Mate fillet weld grinder system	180
30-A	Rail-Mate tube/Pipe sander system	181
30-A	Quick-Step Line-Mate III drum sander	182
30-A	POINT Grinder, DIALSPEED – 6141	183
30-A	STRAIGHT GRINDER, DIALSPEED – 6145	184

10 INDUSTRIAL MAINTENANCE REPAIR AND OVERHAUL (MRO) 185

Fast Evaporating Cleaning and Degreasing		
53-C/53/M	AIR FORCE AF-PL and Start-Up Packages	186, 187
53-C	SLAP-SHOT	188
53-C	SLAP SHOT PL	188
Electronic Contact Cleaning		
53-C	CONTACT CLEAN	189
53-C	SLAP SHOT-PL	178
Food Grade Lubricants		
53-C	CONTACT CLEAN	179
Food Grade Lubricants		
53-D	FOOD ZONE	190
53-D	FOOD ZONE V	190
Industrial Lubricants		
53-E	OPEN GEAR	191
53-D	CHAIN GANG	191
53-D	HANG-ON	192
53-D	BOLT-OUT	192
53-D	COLD SHOCK	193
53-D	ROCK'N ROLL	193
53-B	ALUCUT	194
53-B	STAINLESSCUT	194
53-C	ICECUT	195
53-A	TAPCUT	195
Corrosion Protection		
53-H	ZINC 100	196
53-H	ZINC 200	196
53-H	SHIELD PRO	196
Cutting fluids		
53-B	COOLCUT	197
COOLCUT Metalworking fluids 198, 199		
Water Miscible Coolants		
58-A	COOLCUT 150	200
58-A	COOLCUT 250	201
58-A	COOLCUT 200 BF	201
58-A	COOLCUT 400 U	202
58-A	COOLCUT 500 BF	202
53-C	COOLCUT S-30	203
53-C	COOLCUT S-50	203
58-A	COOLCUT SYN 400 BF	204
58-A	COOLCUT SYN GRIND	204
58-A	COOLCUT SYN SSK-H7	205
Neat Cutting Oils		
53-B	COOLCUT	206
58-B	COOLCUT NEO AP	207
58-B	COOLCUT NEO 3724 N	207
58-B	COOLCUT SYN NEO HP	208
Maintenance		
58-C	COOLCUT PROTEC	208

Series		Page
	Accessories	
53-L	COOLCUT cutting fluids proportioning system	209
53-C	SB 30 System Booster	209
58-C	COOLCUT System Cleaner	209
	COOLCUT FLUIDS selection chart	210

11 BIO-CIRCLE PRODUCT LINE 211

	Cleaning basics	213
	Selection chart/Cleaner characteristics/ Cleaner approvals	214, 217
	Liquid sizing	219
Bio-Renewable and Bio-Remediating Solutions		
53-G	CB 100	221
53-G	CB 100 ALU	221
55-A	BIO-CIRCLE L	222
55-A	BIO-CIRCLE ULTRA	222
55-A	BIO-CIRCLE AERO	223
Parts Washers and Start-Up Packages		
55-D	BIO-CIRCLE MAXI	224
55-D	Bio-Renewable and Bio-Remediating Packages	225
Industrial Cleaning and Degreasing		
53-G	UNO S	227
53-G	UNO SF	227
53-G	GOLD MATRIX READY	228
Star Line of Cleaners and Degreasers		
53-G	STAR 200	228
53-G	ALUSTAR 200	229
53-G	ALUSTAR 300	229
53-G	Corrosion Inhibitor additive	230
53-G	Defoamer additive	230
53-L	Titration Kit	230
53-L	Proportioning System	230
Stainless Steel Cleaning		
53-G	E-NOX CLEAN	231
53-G	E-NOX SHINE	231
Rust Removal and Brightening		
53-G	BIO-RUST	232
53-G	POWER CLEANER 100	232
Paint, Ink, Glue and Adhesive Cleaning		
53-G	SC 400	233
53-G	SC 400 FOAM	233
53-G	PRO CLEAN	234
	ALL-SEASON	234
Pre-Priming and Pre-Shipping		
53-G	FT 100	235
53-G	FT 200	235
Cleaning, Lubricating and Temporary Protection		
53-X	OMNI	236
Refillable Cleaning Lubricant and Temporary Protection		
53-M	Air Force OMNI Start-Up Packages	237
53-M	AF-OMNI Refillable Sprayer	238
	Accessories	240
	The Walter Vending Program	247
	Index	253
	Authorized service centers	273

SAFETY FIRST

Tips on the safest and most effective use of abrasives and power tools*



- Disconnect the power tool prior to changing abrasives.
- Inspect the abrasive for any sign of damage. Do not use if damaged.
- Check MAX. RPM on abrasive and check the spindle speed of the tool. Never run an abrasive faster than its MAX. RPM (or M.R.S. = Maximum Rated Speed).
- Mounting: Use only approved mounting hardware for the abrasive at hand. Above all, the clamping hardware must center the wheel securely and provide the required support to the abrasive.
- Abrasives must be used with safety guards in place as indicated on the label. Adjust guards to protect the operator.
- Always wear eye protection. Wear face, body, ear and dust inhalation protection as needed.
- Practice safe working methods: Secure the workpiece, hold the tool firmly, avoid cluttered and badly lit work areas.
- Ensure adequate protection of other workers in the vicinity.
- Do not use abrasives and tools over their rated capacity, follow manufacturer's instructions.
- Service power tools regularly and according to manufacturer's instructions to keep them in good working condition and maintain their performance. Do not use if damaged.

*Walter abrasives are designed for use as directed in all applicable safety codes, such as CSA, WHMIS, ANSI, OSHA and other regulatory bodies. Always work within these applicable rules and regulations.

SAFEST AND MOST EFFECTIVE WORK METHODS



GRINDING

Type 27 depressed center grinding wheels are designed to be used at a 15° to 20° working angle.



FLEXCUT

FLEXCUT flexible grinding wheels are best used with a working angle of 10° to 15°.



FLAP DISCS

Flap discs are designed to be used at a working angle of 4° to 10°. Never use flat.



SANDING DISCS

Fiber backed sanding discs work best at a working angle of 4° to 10°. They must be used on a full size flexible backing pad.



CUT-OFF WHEELS

Choose direction of cut to present the narrowest cross section of the material to the wheel.

Cut large solids with a moderate rocking motion. Avoid twisting and bending of the wheel in the cut. Do not use a cut-off wheel for deburring unless otherwise specified.



FLAP WHEELS

Apply moderate working pressure when working with flap wheels – let the tips of the flaps do the work.



WIRE BRUSHES

Work with the face of a wire brush. Apply moderate working pressure to let the wire tips do the work and prevent excessive bending of the wire.

STORAGE TIPS FOR ABRASIVE PRODUCTS

- Keep abrasives in their original packaging, to protect them from water and excessive heat.
- Coated abrasives, such as fiber discs, flap discs and cloth belts perform best when stored in an area with 50% humidity at 22 °C (70 °F).

SAFETY SEMINAR

Walter offers free in-plant safety seminars to promote the safe use of abrasives. Reserve your safety seminar today by calling: **1-888-592-5837**. For more information, visit walter.com/safety

IMPORTANT

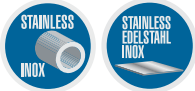
WALTER ICONS LEGEND

Materials

Red for steel



Blue for stainless steels and nickel-based alloys



Green for aluminum and non-ferrous metals



Gold for brass



Black for plastic



Purple for cast iron



Gray for concrete and ductile metal



Charcoal for carbide



Titanium



Dark gray for mill scale



Light gray for hard metal



Wheel grade

Bond type, grain type and grain size

Warning

When using SPIN-ON quick mounting system

Dimensions

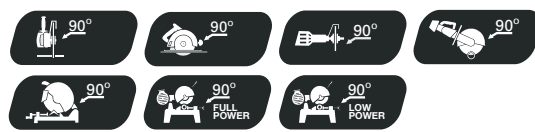
Diameter, thickness, bore

More information

Consult WALTER website for complete safety information

Working angle

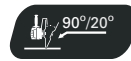
The only permitted angle for cutting wheels is 90° to the material (Type 1 (EN 41) – flat)



Type 27 / (EN 42) – (depressed centered)



Type 27 combo (cutting and grinding) wheels ideal angle is 90° or 20°



Type 27 grinding ideal angle varies from 15° to 30°



Type 28 ideal angle is lower than 10°



Type 29 ideal angle is 10°



Simple numbering system

Makes it easy to reorder. Also present in the center of bonded wheels to be readable when wheels are worn-out.

Maximum speed

RPM (rotations per minute) and m/s (meters per second)

Compliance

Products manufactured in compliance with European regulation EN 12413 and US regulation ANSI B7.1

Traceability

Internal code to monitor production for safety

Restrictions

DO NOT use if damaged



NOT suitable for hand-held grinders



NOT suitable for grinding



DO NOT use for wet grinding or cutting



Safety

Eyes, face, ears and lungs protection



Hand protection



Always use safety guard



Walter environmental products - Legend



Volatile Organic Compounds

Volatile organic compounds (VOCs) are products that contain potentially toxic levels of hazardous materials. Paints, stains and varnishes have long contributed considerably to the prolific release of VOCs. Products where you see the VOC-free logo guarantee that they contain no VOCs.



Accepted for use in food plants

Products with this logo presented are accepted for use in food plants within Canadian borders.



Nonfood Compounds Program

The global food industry relies upon nonfood compounds to facilitate the efficient processing, handling and storage of food throughout the supply chain. Nonfood compounds include such substances as cleaners, sanitizers, boiler compounds and lubricants.

01

PRE- AND POST-WELDING TREATMENT



SURFOX WELD CLEANING



VISIT SURFOX.COM
to register your SURFOX SYSTEM
and get 6 months extended warranty

The use of SURFOX systems is a recognized method for achieving Chemical Passivation on Stainless Steel Parts, as defined by the ASTM 967-05 specification.

Features and benefits

- ▷ **Safer:** SURFOX cleaning electrolytes are NSF registered and authorized for use in food plants
- ▷ **Faster:** Uniform cleaning and passivation at a rate of 3 to 5 feet per minute
- ▷ **Easy:** Pour your SURFOX electrolyte into the reservoir and start cleaning

Electrochemical Weld Cleaning Systems for Stainless Steel and Aluminum

The SURFOX electrochemical weld cleaning system is a highly effective method for removing heat tint from welded stainless steel and aluminum (TIG, spot and MIG), without altering the surface of the parent material. SURFOX promotes the formation of a uniform and durable chromium oxide passive layer to protect stainless steel against corrosion.

Passivation

Why is passivation important?

Stainless steel is naturally able to resist corrosion thanks to a passive chromium oxide layer that forms on its surface. The formation of this protective layer is called passivation. Abrasion or excessive heat (caused by welding) will destroy this protective layer and expose the metal to corrosion. In order to fully restore the corrosion resistance of stainless steel, heat tint and other surface contaminants must be removed. SURFOX is a safe, effective and fast electrochemical cleaning system. The rate of cleaning welds with this system is between 3-5 feet per minute. The SURFOX system combines both the cleaning power of electrical current and the passivation properties of electrolyte cleaning solutions. Passivation begins instantly after the SURFOX electrochemical cleaning process is completed. It usually takes between 24 to 48 hours for passivation to be stable and complete.

How to choose a SURFOX system

Material	Welding process	Work environment	Application	System
 Stainless Steel or Aluminum	MIG and TIG	Production	Cleaning, electro polishing, marking and etching	SURFOX 305
 Stainless Steel or Aluminum	TIG (only)	Production	Cleaning, electro polishing, marking and etching	SURFOX 205
 Stainless Steel or Aluminum	TIG (only)	Portable	Cleaning, electro polishing, marking and etching	SURFOX Mini
 Stainless Steel or Aluminum	MIG and TIG	Production and portable	Electrochemical cleaning	SURFOX Turbo

SURFOX™ 305 MIG & TIG

The industry's safest and fastest MIG & TIG weld cleaning system

The SURFOX™ 305 is our patented electrochemical weld cleaning system for stainless steel and aluminum. It quickly and easily removes heat tint from the heat-affected zone of MIG, TIG and spot welds, cleaning the surface and allowing passivation on stainless steel to begin without altering the surface finish. The integrated tank and flow-through system ensures the electrolyte solution is delivered directly to the workpiece, minimizing the potential for spillage or cross-contamination. The dynamic current control also ensures that the electrical current will not cause micropitting on the surface.



Features and benefits

- ▷ Easily cleans MIG welds, TIG & spot welds
- ▷ Exclusive quick-change brush system to easily change out accessories and reduce downtime
- ▷ Ability to clean larger and hard to reach areas with our new brushes
- ▷ Integrated reservoir reduces the potential for contaminating or spilling the electrolyte solution
- ▷ AC mode for cleaning or marking
- ▷ DC mode for polishing or etching
- ▷ Built-in vapor dispersion system

Model	Order No.	Electrical		Dimensions			Tank capacity	Length of hose	Weight
		Input	Output	Length	Width	Height			
305	54-D 315	120 V, 50/60 Hz, 8.0 A	12-30 V AC/DC, 30 A max	18.50"	9.75"	15"	64.2 oz	13'	44 lbs

Each unit comes with: 1 x Tungsten insert (54-B 143), 3 x standard high conductivity cleaning pads (54-B 026), 1 x Teflon ring (54-B 002), 1 x SURFOX 305 wide carbon fiber brush (54-B 155), 1 x SURFOX 305 narrow carbon fiber brush (54-B 156), 1 x adaptor for SURFOX 305 brush (54-B 149), 1 x ground cable (48-R 136), 1 x user guide, 1 x carrying case

SURFOX 305 ACCESSORIES

Recommended for cleaning MIG welds



Reusable brush adaptor for large wand
Order No.: 54-B 149

Wide carbon fiber brush with removable rings
5 per package
Order No.: 54-B 155

Recommended for cleaning TIG welds



Tungsten insert 90°
Order No.: 54-B 143

Standard cleaning pad
46 mm L x 24 mm W x 4 mm T
Use with inserts 54-B 133 and 54-B 036
10 per package plus clamp ring
Order No.: 54-B 026

Replacement wand assemblies

4 m (13') long
Order No.: 54-B 125
9 m (30') long
Order No.: 54-B 126

Recommended for tight corners



Reusable brush adaptor for large wand
N° de comm.: 54-B 149

Carbon fiber brush with removable rings
5 per package
Order No.: 54-B 156

Recommended for renewing large surfaces



Large graphite insert
45 mm W - Ideal for surface renewing or restoring, and to clean the back of MIG welds
Order No.: 54-B 009

Large pad for graphite insert
5 per package
Order No.: 54-B 052



SURFOX™ 205

For TIG and spot welds on stainless steel and aluminum

This industrial weld cleaning system features extensive safety and productivity features to minimize consumable use and provide economical cleaning and passivation of stainless steel TIG & spot welds. The SURFOX™ 205 has been engineered to clean MIG, TIG and spot welds on aluminum, and with the use of special marking kits (sold separately), it can also mark stainless steel, aluminum and titanium surfaces. This is a durable production model designed for every day use.



Features and benefits

- ▷ **Built-in fume elimination system** (requires a compressed air line)
- ▷ **Switchable output:**
 - AC Mode: cleaning & marking
 - DC Mode: polishing & etching
- ▷ **Redesigned pump and tank for maximum efficiency**
- ▷ **New Quick-Connect system** allows you to quickly change between 4 m and 9 m long wand assemblies (9 m wand sold separately)

Model	Order No.	Electrical		Dimensions			Tank capacity	Length of hose	Weight
		Input	Output	Length	Width	Height			
205	54-D 215	120 V, 50/60 Hz, 4.0 A	12-30V AC/DC, 15A max	18 1/2"	9 3/4"	15"	64.2 oz	13'	41 lbs

Each unit comes with: 1 x Tungsten insert (54-B 143), 3 x standard high conductivity cleaning pads (54-B 026), 1 x Teflon ring (54-B 002), 1 x carbon fiber brush (54-B 158), 1 x brush adaptor (54-B 149) 1 x ground cable (48-R 136), 1 x user guide, 1 x carrying case

SURFOX 205 ACCESSORIES

Recommended for cleaning TIG welds



Tungsten insert 90°
Order No.: 54-B 143

Standard cleaning pad
46 mm L x 24 mm W x 4 mm T
Use with inserts 54-B 143 and 54-B 036
10 per package plus clamp ring
Order No.: 54-B 026

Recommended for renewing large surfaces



Large graphite insert

45 mm W - Ideal for surface renewing or restoring, and to clean the back of MIG welds
Order No.: 54-B 009

Large pad for graphite insert
5 per package
Order No.: 54-B 052

Recommended for tight corners



Reusable brush adaptor for large wand
Order No.: 54-B 149

Carbon fiber micro-brush
Order No.: 54-B 158

Replacement wand assemblies



4 m (13') long
Order No.: 54-B 125
9 m (30') long
Order No.: 54-B 126

SURFOX MINI™

The ideal unit for field or repair work

The ergonomically designed SURFOX Mini™ comes equipped with a variable power setting that ensures a perfect finish on even the most delicate surfaces. This unit utilizes refillable electrolyte cartridges instead of an integrated tank to reduce the weight and increase portability. Excellent for use on repairs, touchups and small jobs. This newly redesigned unit can clean TIG or spot welds on stainless steel and MIG, TIG or spot welds on aluminum. It can also mark stainless steel, aluminum and titanium surfaces with the use of a SURFOX marking kit.

Features

The SURFOX Mini comes equipped with a unique cartridge refilling pump. You can easily refill cartridges and save money by buying SURFOX electrolyte solutions in bulk packaging.



Model	Order No.	Electrical		Dimensions			Tank capacity	Length of hose	Weight
		Input	Output	Length	Width	Height			
MINI	54-D 055	120 V, 50/60 Hz, 4.0 A	12-30 V AC/DC, 15 A max	12"	4.5"	8.86"			8.4 lbs

Each unit comes with: 1 micro-wand, 1 x micro-wand holder (48-R 286), 1 x micro wand holder extension sleeve (48-R 460), 1 x narrow tungsten insert (54-B 038), 1 x narrow cleaning pad (54-B 028), 1 x teflon ring (54-B 020), 1 x carbon fiber micro-brush (54-B 157), 1 x adaptor for micro-brush (54-B 150), 1 x manual refilling pump (54-B 092), 1 x ground cable (48-R 283), 1 x user guide, 1 x carrying case

SURFOX MINI ACCESSORIES

Recommended for cleaning TIG welds



Narrow tungsten insert
Order No.: 54-B 038

Narrow cleaning pad
46 mm L x 24 mm W x 2 mm T
Use with insert 54-B 038
10 per package plus clamp ring
Order No.: 54-B 028

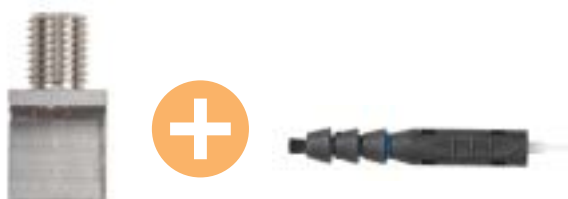
Recommended for renewing large surfaces



Large graphite insert
35 mm W - Ideal for surface
renewing or restoring, and to clean
the back of MIG welds
Order No.: 54-B 048

**Large pads for large graphite
insert for SURFOX Mini**
Pack of 10 with O-ring
Order No.: 54-B 051

Recommended for tight corners



**Spare brush adaptor
for Micro-Wand**
Order No.: 54-B 150

**Carbon fiber
micro-brush**
5 per package
Order No.: 54-B 157

Replacement pump for refilling cartridges of
SURFOX electrolytes

Cartridge refiller

Use this pump to buy SURFOX-T or SURFOX-G
in bulk packaging and save even more money
(included with every new SURFOX MINI;
replacement part only)
Order No.: 54-B 092



NEW

SURFOX™ TURBO

Powerful, compact and reliable

The SURFOX™ TURBO cleans TIG, MIG and spot welds on stainless steel and delivers an excellent cost-benefit ratio for cleaning and achieving passivation. Powerful, compact and portable, the SURFOX™ TURBO is designed to achieve passivation in the simplest and easiest way.



Model	Order No.	Electrical		Dimensions			Tank capacity	Length of hose	Weight
		Input	Output	Length	Width	Height			
TURBO	54-D 045	120 V, 50/60 Hz, 8.0 A	12-30 V AC/DC, 20 A max	18.50"	4.5"	8.84"	-----	-----	15 lbs

Each unit comes with: 1 x Tungsten insert (54-B 038), 1 x high conductivity cleaning pads (54-B 028), 1 x narrow Teflon ring (54-B 020), 1 x SURFOX TURBO carbon fiber brush (54-B 205), 1 x adaptor for SURFOX SURFOX MINI/TURBO (54-B 150), 1 x ground cable (48-R 136), 1 x user guide, 1 x carrying case

SURFOX TURBO ACCESSORIES

Recommended for cleaning TIG welds



Narrow tungsten insert
Order No.: 54-B 038

Narrow cleaning pad
46 mm L x 24 mm W x 2 mm T
Use with insert 54-B 038
10 per package plus clamp ring
Order No.: 54-B 028

SURFOX™ TURBO wand



SURFOX™ TURBO wand is easy to use, durable and reliable.

Order No.: 54-B 201

SURFOX™ TURBO carbon fiber brush



SURFOX™ TURBO brushes are flexible and can be trimmed as often as needed.

Order No.: 54-B 205



SURFOX SOLUTIONS



SURFOX-G™

pH neutral electrolyte solution

Can be used with high conductivity pads and carbon fiber brushes.

NSF category A3, registration #146974

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Cartridge	100 ml	3.4 oz	54-A 061	S-10E	6
Liquid	1.5 L	51 oz	54-A 065	S-10E	1
Liquid	5 L	1.3 gal	54-A 066	S-10E	1
Liquid	20 L	5.2 gal	54-A 067	S-10E	1
Liquid	208 L	55 gal	54-A 068	S-10E	1

Color: Translucent

- ▷ Great for cleaning MIG and TIG and spot welds on stainless or aluminum
- ▷ pH neutral, non acidic
- ▷ Safe alternative to pickling paste and strong acids
- ▷ Non-corrosive
- ▷ Compatible with all SURFOX machines
- ▷ Lower environmental impact

Tech tip!

Use with SURFOX-T drum pump 54-B 106



SURFOX-T™

Heavy-duty formula

Provides faster cleaning action and more thorough cleaning on MIG welds.

NSF category A3, registration #142984

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Cartridge	100 ml	3.4 oz	54-A 001	S-01E	6
Sprayer	500 ml	16.9 oz	54-A 003	S-01E	12
Liquid	1.5 L	51 oz	54-A 005	S-01E	1
Liquid	5 L	1.3 gal	54-A 006	S-01E	1
Liquid	20 L	5.2 gal	54-A 007	S-01E	1
Liquid	208 L	55 gal	54-A 008	S-01E	1

Color: Translucent

- ▷ Quickly cleans all MIG and TIG welds on stainless steel or aluminum
- ▷ Safe alternative to pickling paste and strong acids
- ▷ SCAQMD compliant



SURFOX-N™

Cleaning and neutralizing formula

NSF category A1, registration #142985

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	54-A 023	S-03E	12
Liquid	3.78 L	1 gal	54-A 025	S-03E	1
Liquid	20 L	5.2 gal	54-A 027	S-03E	1
Liquid	208 L	55 gal	54-A 028	S-03E	1

Color: Translucent

- ▷ Must be used to clean and neutralize SURFOX electrolyte solutions
- ▷ SCAQMD compliant
- ▷ Prevents the formation of salt deposits (hazy white discoloration) around welds cleaned with SURFOX

SURFOX™ PRE-WELD

Fast drying surface cleaner

Formulated for preparing and degreasing metal surfaces prior to welding.

Benefits

- ▶ *Reduced VOC content when compared to solvent-based surface cleaners*
- ▶ *Ready-to-use formula*

Features

- ▶ *Replacement for surface preparation solvents such as acetone*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	54-A 073	S-13E	12
Liquid	3.78 L	1 gal	54-A 076	S-13E	1
Liquid	20 L	5.2 gal	54-A 077	S-13E	1
Liquid	208 L	55 gal	54-A 078	S-13E	1

Color: Orange

SURFOX™ RENEW

High strength stainless steel cleaner

Highly concentrated, gel-like cleaner for removing rust and mineral deposits from stainless steel. Removes contaminants without attacking the parent material. Must be neutralized with SURFOX-N after use.

Benefits

- ▶ *Gel formulation allows the product to cling to inclined surfaces*
- ▶ *VOC-free, solvent-free, non-flammable, biodegradable surfactants*
- ▶ *Removes rust, oxidation, mineral deposits and light grease*

Features

- ▶ *Concentrated formula – can be diluted up to 1:40 with water*
- ▶ *Ideal for cleaning of food processing and pharmaceutical equipment*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	54-A 083	S-11E	12
Liquid	3.78 L	1 gal	54-A 085	S-11E	1
Liquid	20 L	5.2 gal	54-A 087	S-11E	1
Liquid	208 L	55 gal	54-A 088	S-11E	1

Color: Light orange

Tech tip!

Use with white Blendex hand pads (07-A 500) to easily remove rust and other surface contaminants

SURFOX™ SHINE

Cleaner and protector for stainless steel

An innovative, non-hazardous product that removes light contaminants from stainless steel in one easy step.

NSF category A7, C1, registration # 152509

Benefits

- ▶ *Removes dust, dirt, finger prints, oils and handling marks*
- ▶ *Leaves a uniform finish without streaking*
- ▶ *Brightens and protects stainless steel surfaces*
- ▶ *Not controlled under WHMIS or OSHA*

Features

- ▶ *Ready-to-use formula*
- ▶ *Silicone-free, VOC-free, solvent-free, non-flammable, phosphate-free, biodegradable*
- ▶ *For cleaning of food processing and pharmaceutical equipment*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	500 ml	16.9 oz	54-A 093	S-12E	12
Liquid	3.78 L	1 gal	54-A 095	S-12E	1
Liquid	20 L	5.2 gal	54-A 097	S-12E	1
Liquid	208 L	55 gal	54-A 098	S-12E	1

Color: White

OTHER SURFOX ACCESSORIES

Cleaning pads

Designed to be used with SURFOX-G and SURFOX-T



Standard cleaning pad
46 mm L x 24 mm W x 4 mm T
Use with inserts 54-B 133 and 54-B 143
10 per package plus clamp ring
Order No.: 54-B 026



Inside corners cleaning pad
60 mm L x 38 mm W x 2 mm T
10 per package plus clamp ring
Order No.: 54-B 027



Narrow cleaning pad
46 mm L x 24 mm W x 2 mm T
Use with insert 54-B 038
10 per package plus clamp ring
Order No.: 54-B 028



Large pad for large graphite insert
90 mm L X 50 mm W X 2 mm T
Pack of 10 with O-ring
Order No.: 54-B 043



Large pad for graphite insert
5 per package
Order No.: 54-B 052



Large pad for large graphite insert for SURFOX Mini
Pack of 10 with O-ring
Order No.: 54-B 051

For all models



Narrow clamp ring for narrow pads
Use with narrow inserts 54-B 038
10 per package
Order No.: 54-B 020



SURFOX RENEW refillable trigger sprayer
Highly concentrated, gel-like cleaner for removing rust and mineral deposits from stainless steel. 500 ml (16.9 oz)
Order No.: 53-L 353



Electrolyte straw
Order No.: 48-R 294



Clamp ring for cleaning pads
Use with inserts 54-B 143 and 54-B 036
10 per package
Order No.: 54-B 002



SURFOX PRE-WELD refillable trigger sprayer
Formulated for preparing and degreasing metal surfaces prior to welding. 500 ml (16.9 oz)
Order No.: 53-L 354



12' long cable for Micro-Wand
Order No.: 48-R 458



Micro-Wand and brush kit
With carbon fiber brush for cleaning corners and intricate areas
Order No.: 54-B 133



SURFOX-N refillable trigger sprayer
Identified with GHS compliant product specific labels showing product features, OSHA/WHMIS information and directions for use. 500 ml (16.9 oz)
Order No.: 53-L 339



SURFOX Powercloth
Order No.: 54-B 090



Micro-Wand and tungsten insert kit
With tungsten inserts and pads for cleaning corners and intricate areas
Order No.: 54-B 033



SURFOX station
With its sturdy and industrial design, the SURFOX station has been designed to make it easy to move your SURFOX system throughout your work environment while allowing for the storage of various cleaning agents and accessories.
Order No.: 54-B 050

SURFOX MARKING KITS



Go ahead, make your mark!

SURFOX™ marking kits use a fast and simple electrochemical process to permanently mark stainless steel surfaces. The marking wand plugs directly into the SURFOX machine and is used with specially made permanent or disposable stencils.

STANDARD MARKING KIT

Order No.: 54-B 080

The standard kit requires the use of permanent stencils available from Walter, each of which can be used hundreds of times.

Includes:

- Marking wand and power cable
- Pack of 20 marking pads
- 5 O-rings
- Allen key 2.5 mm
- SURFOX-M marking solution 100 ml squeeze bottle for black marking (AC mode)
- SURFOX-E etching solution 100 ml squeeze bottle for white etching (DC mode)
- Packaged in a professional and sturdy case



PRO MARKING KIT

Order No.: 54-B 081

The PRO kit is offered with a stencil thermal printer for the printing of disposable stencils to permanently mark stainless steel surfaces. The printer comes with software that allows the creation of stencils for barcodes, serial numbers, lot and batch numbers, text, company logos, and more.

Includes:

- Marking wand and power cable
- Pack of 20 marking pads
- 5 O-rings
- Allen key 2.5 mm
- SURFOX-M marking solution 100 ml squeeze bottle for black marking (AC mode)
- SURFOX-E etching solution 100 ml squeeze bottle for white etching (DC mode)
- Thermal printer and 20 m of stencil paper
- Packaged in a professional and sturdy case



MARKING KIT ACCESSORIES

For marking stainless steel and titanium

SURFOX-M marking solution
 100 ml squeeze bottle
 NSF category P1, registration #146175
Order No.: 54-A 031



For marking aluminum

SURFOX-M ALU electrolyte solution
 100 ml squeeze bottle
Order No.: 54-A 131
 Also available in 5 L format
Order No.: 54-A 136



For etching stainless steel

SURFOX-E etching solution
 100 ml squeeze bottle
Order No.: 54-A 041



Marking pads
 Pack of 20
Order No.: 54-B 083



Power cable
Order No.: 54-B 063



Graphite marking insert
Order No.: 54-B 088



O-rings
 Pack of 5
Order No.: 54-B 089

Marking wand
Order No.: 54-B 082



Stencil paper roll
 100 mm x 20 m
Order No.: 54-B 086
 100 mm x 50 m
Order No.: 54-B 087



Permanent stencils

Can be used up to 200 times.

- | | |
|-----------------|--------------------------|
| 54 mm X 32 mm | 54-B 076 |
| 85 mm X 54 mm | 54-B 077 |
| 170 mm X 108 mm | 54-B 073 |
| 257 mm X 170 mm | 54-B 074 |
| 355 mm X 155 mm | 54-B 079 *Aluminum frame |

For more information: stencil@walter.com

Marking on aluminum using customizable stencil paper rolls



SURFACE MEASURING SYSTEMS



SURFOX™ SMART PASSIVATION TESTER

Quickly and easily guarantee passivated stainless steel

The importance of validating the passivation of your stainless steel surfaces cannot be stressed enough. Impossible to detect with the naked eye, passivation indicates that the protective layer of chromium oxide exists on your stainless steel surface – the essential ingredient that guarantees your stainless steel will resist corrosion.

The SURFOX™ Smart Passivation Tester is a Bluetooth enabled, compact and portable testing device that allows you to quickly and easily ensure passivation of stainless steel anywhere, anytime – even on job sites!

Avoid costly re-work and rejected pieces and ship your products with confidence. With the SURFOX™ Smart Passivation Tester, you rely on the most innovative and easy-to-use technology on the go.



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

SURFOX™ SMART PASSIVATION TESTER

HOW IT WORKS

Using Bluetooth technology, the device connects to your smartphone, and seamlessly uploads your reports to the “Walter Cloud”, a secure online database set up for easy data management, analysis and report building.

Bluetooth | Wi-Fi | 

App 2.3 allows you to work offline and sync the results when you have Internet access

- ▷ *Easy to use*
- ▷ *Wireless device*
- ▷ *Bluetooth-enabled*
- ▷ *Smartphone compatible*
- ▷ *Test data stored in a cloud-based database*
- ▷ *Quickly generate reports*
- ▷ *Monitor, measure and guarantee the passivation level on workpieces or finished goods*
- ▷ *Minimize costly downtime caused by reworks*
- ▷ *Non-destructive test method – will not damage stainless steel piece when used properly**

*Requires neutralization with SURFOX-N / FT 100



Easy login from your phone or tablet. Simply download the free SURFOX app on the Apple store.



Set the probe on your surface and click “start” to begin the process and automatically sync.



Results are measured and stored within seconds.




Set specific locations to test and associate the data with these points.



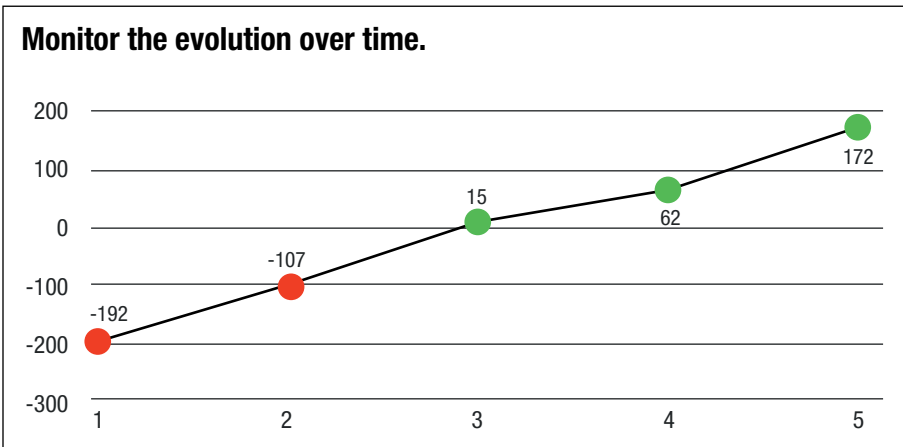
Stay organized with the ability to securely and confidentially store results by customer or part on the Walter Cloud platform.







Access your projects and data easily through the Walter Cloud without the need for printouts or land connections. Simply go on www.smart.surfox.com



Reduce unnecessary downtime caused by rework. Guarantee your customers that parts are protected from rust and corrosion.

Provide documented proof of passivation once completed!

SURFOX™ SMART PASSIVATION TESTER

Order No.: 54-T 011

Accessories

Replacement cartridge
White felt tip (Pkg. 5)

Order no.
54-A 050
54-B 046



Attach copies and other related documents to your project files and certify your work to your customers in an efficient manner.



Video available at [TheWalterNet](http://TheWalterNet.com)
www.youtube.com/user/TheWalterNet

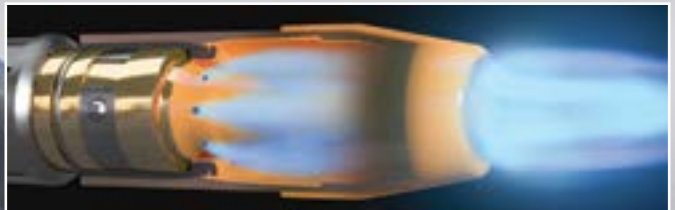
E-WELD NOZZLE

Total nozzle protection for up to 8 hours!

- **UNIQUE APPLICATOR** ensures a thin, even protective coat.
- Extends nozzle life.
- Perfect for all types of welding, resists temperatures up to **1000 °C**.



Spatter build up obstructs gas flow, resulting in inconsistent weld quality.



Thin layer of E-Weld Nozzle ensures gas flows freely for a clean, high quality weld.

ANTI-SPATTER SOLUTIONS

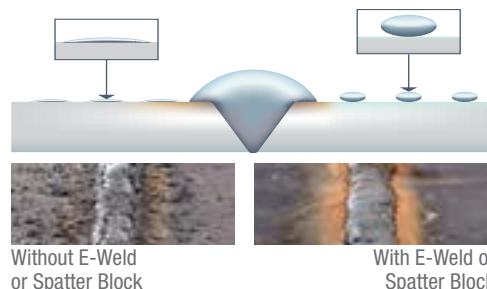
Why use anti-spatter solutions?

When small pieces of molten metal fly off the welding arc, the spatter, or slag, lands on weld surfaces around seams. As it cools and hardens on the surface on which it lands, it can be difficult to remove. Abrasives or chisels will then need to be utilized to remove the spatter to ensure a smooth surface for finishing the workpiece. However, by leveraging an anti-spatter solution before you begin welding, you can eliminate the time and cost of using abrasives or tools to remove weld spatter.

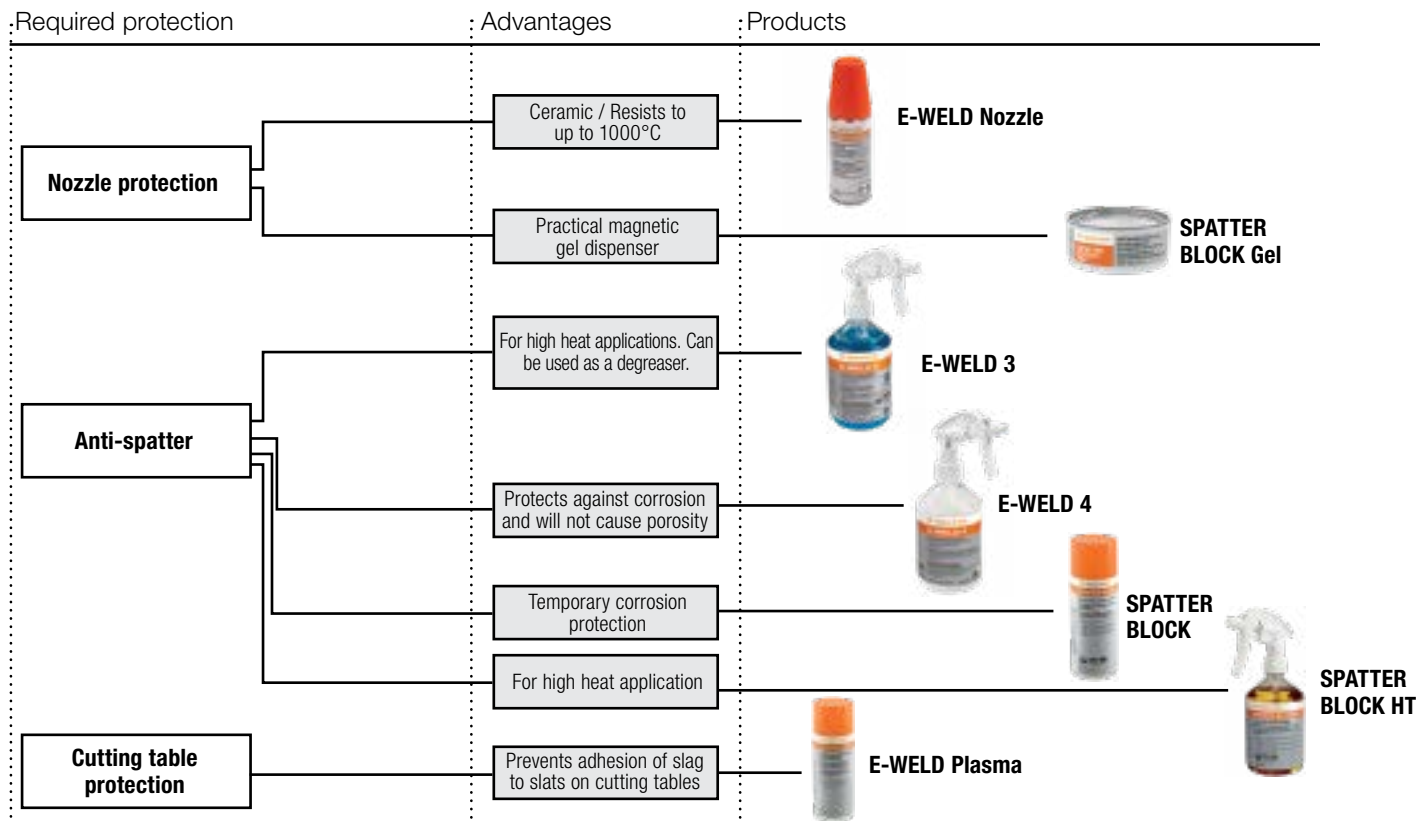


Why use Walter *E-Weld* and *Spatter Block* anti-spatter solutions?

Walter has developed a safer and healthier line of anti-spatter solutions to prevent spatter from adhering to surfaces. Our anti-spatter solutions are biodegradable, non-flammable and non-toxic so that you can improve your work process without sacrificing worker health and safety.



Selection chart





E-WELD NOZZLE™

Total nozzle protection for best efficiency

Extend the life of welding nozzles and reduce downtime spent scraping out spatter with E-WELD Nozzle™. This highly concentrated anti-spatter evenly coats the exterior and interior surface of your welding nozzle to prevent spatter from adhering to the nozzle. This prevents obstructions and allows the gas to flow freely, resulting in a higher quality weld. This is an extremely economical solution, as the easy applicator dispenses a thin layer that can provide protection for up to 8 hours. This is an ideal solution for MIG welding, plasma cutting and laser cutting as the E-WELD Nozzle™ can withstand high temperatures (up to 1000° C) and reduce your consumable spend.

- ▷ *No weld contamination*
- ▷ *Helps prevent weld porosity*
- ▷ *No time lost on scraping spatter from nozzle prior to welding*
- ▷ *Economical*
- ▷ *Improves weld quality and reduces rejection rate*
- ▷ *Only a thin layer needed (up to 100 applications per can)*
- ▷ *Extends lifetime of nozzles*
- ▷ *Eliminates the frequent need for spatter removal and eventual replacement*
- ▷ *Superior life and more solution per can compared to competitive products*



Nozzle using E-WELD Nozzle



Nozzle fully clogged (not using E-WELD Nozzle)

Unique self-dispensing applicator easily dispenses highly concentrated ceramic coating

PROTECTS
WELDING NOZZLES
FOR UP TO 8 HOURS



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 fl. oz.	53-F 212	F-156	6
Applicator			53-L 121		1
Aerosol and applicator			53-F 912	F-156	6

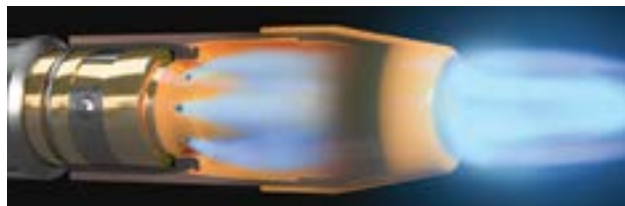
Color: Orange

NOZZLE PROTECTION TO AVOID SPATTER BUILD-UP

With E-WELD Nozzle™



E-WELD Nozzle coats the exterior and interior of the nozzle, the contact tip and the diffuser to avoid spatter from adhering, thus preventing obstruction.



This allows the gas to flow freely and heat the wire consistently.



End-result is a consistent, good quality weld which results in virtually no rejected pieces.

Without E-WELD Nozzle™



During the welding process, welding nozzles and tips get clogged with hot spatter which fuses to the nozzle, creating obstruction. This prevents the shielding gas to flow freely and heat the wire evenly.



The end-result is an inconsistent, poor quality weld with a higher rejection rate.



Results in virtually no rejected pieces!



SPATTER BLOCK GEL™

Anti-spatter gel

Superior anti-spatter gel for protecting the interior and exterior of welding nozzles and contact tips.

Benefits

- ▷ Extends welding torch life
- ▷ Fast, easy cleaning of nozzles and contact tips

Features

- ▷ Free of chlorinated compounds and silicone
- ▷ Odorless
- ▷ Packaging height is designed to prevent clogging of gas diffusers in welding nozzles



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Metal tin	200 g	7.0 oz	53-F 103	L-12	12

Color: Translucent

Magnetic tin "sticks" to steel work tables and vertical surfaces



E-WELD PLASMA™

Long lasting protection for laser and plasma cutting tables

E-WELD Plasma™ is a ceramic anti-spatter solution that is applied to laser and plasma cutting tables to reduce the buildup of slag over time.

This simple preventative measure keeps the slag from adhering to the slats in cutting tables, allowing it to be easily removed before it builds up and becomes problematic. This significantly decreases the amount of time and effort needed to clean slag off cutting tables, which saves you a great deal of labor time – and associated costs – in plant maintenance.

Now compatible with wet tables.

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
N Aerosol	400 ml	13.55 oz	53-F 602	L-174	1
Sprayer	500 ml	16.9 oz	53-L 126		1
Liquid	10 kg	22 lbs	53-F 605	L-142	1

Color: White

Tech tip!

Stack multiple cutting tables behind one another and slightly offset them from one another so all the slats on each table are exposed. This will allow you to coat multiple cutting tables at once, saving even more time.



Benefits

- ▷ Greatly reduces the amount of time required to remove slag from cutting tables
- ▷ Spend less time on equipment maintenance and more time on revenue generating activities
- ▷ Can also be applied to other equipment that is exposed to weld spatter or slag
- ▷ Spray gun applicator dispenses a thin, even layer to help prevent wasteful over application
- ▷ Can be applied to wet or dry cutting tables

Features

- ▷ Ceramic formula provides long lasting protection, even in the presence of extreme heat
- ▷ Spray gun applicator allows you to quickly and easily dispense the product across large surface areas
- ▷ Each 10 kg container provides enough antispatter to cover 50-100 m² (square meters)
- ▷ E-WELD Plasma can be painted on manually or sprayed on with the applicator; just stir the solution prior to use
- ▷ Use a degreaser like SURFOX Pre-Weld to clean slats prior to use to ensure a strong, adhesive coating



SPATTER BLOCK™

NEW

General purpose anti-spatter emulsion

SPATTER BLOCK is a safe, natural solution that protects the workpiece from weld spatter to keep you from having to perform time-consuming, costly rework.

Features

- ▷ Does not interfere with painting process
- ▷ VOC-free, solvent-free and silicone-free, biodegradable, non-flammable
- ▷ Formulation based on natural plant extracts
- ▷ Odorless
- ▷ Effective welding amperage range: 100-225 A
- ▷ Contains temporary corrosion inhibitors



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.55 oz	53-F 002	L-10	12
Sprayer	500 ml	16.9 oz	53-F 203	L-21	12
Liquid	3.78 L	1 gal	53-F 205	L-21	1
Liquid	20 L	5.2 gal	53-F 207	L-21	1
Liquid	208 L	55 gal	53-F 208	L-21	1

Color: Milky green



Tech tip!

Only requires a thin protective film to prevent spatter adhesion.

SPATTER BLOCK HT™

NEW

High temperature anti-spatter solution

SPATTER BLOCK HT is a unique, high performing anti-spatter solution that protects workpieces from adherence of high energy spatter and eliminates costly spatter removal operations.

Features

- ▷ VOC-free, solvent-free, silicone-free and biodegradable
- ▷ Odorless
- ▷ Effective amperage range: 100 – 400 A

Benefits

- ▷ Allows multi pass welding
- ▷ Does not interfere with paint adhesion



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.55 oz	53-F 222	L-136	12
Sprayer	500 ml	16.9 oz	53-F 223	L-46	12
Liquid	3.78 L	1 gal	53-F 225	L-46	1
Liquid	20 L	5.2 gal	53-F 227	L-46	1
Liquid	208 L	55 gal	53-F 228	L-46	1

Color: Amber





E-WELD 3™

High temperature anti-spatter solution

E-WELD 3 is a high performance anti-spatter solution that both cleans the workpiece and protects it from high energy spatter, eliminating an extra step in the welding process while avoiding costly rework. E-WELD 3 is often the preferred solution for use on stainless steel.

NSF category P1, registration #145451

Benefits

- ▷ Cleans and degreases weld area
- ▷ Allows multi pass welding
- ▷ Does not interfere with paint adhesion

Features

- ▷ VOC-free, solvent-free, silicone-free and biodegradable
- ▷ Odorless
- ▷ Effective amperage range: 100 – 400 A



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
N Aerosol	400 ml	13.55 oz	53-F 252	L-176	12
Sprayer	500 ml	16.9 oz	53-F 253	L-46	12
Liquid	3.78 L	1 gal	53-F 255	L-46	1
Liquid	20 L	5.2 gal	53-F 257	L-46	1
Liquid	208 L	55 gal	53-F 258	L-46	1

Color: Clear blue

E-WELD 4™

Premium anti-spatter emulsion

E-WELD 4 is a unique anti-spatter solution which protects workpieces from the adherence of spatter. With the addition of special natural ingredients, E-WELD 4 retracts in the presence of heat, leaving the welding area free of liquid. This means that unlike competitive products, E-WELD 4 is guaranteed not to cause weld porosity or cracking, even when overapplied to work surfaces.

Benefits

- ▷ Will not contribute to weld porosity
- ▷ No weld cracking
- ▷ Corrosion resistant
- ▷ Does not interfere with paint adhesion

Features

- ▷ VOC-free, solvent-free, silicone-free and biodegradable
- ▷ Formulation based on natural plant extracts
- ▷ Pleasant citrus scent
- ▷ Effective welding amperage range: 100 – 225 A



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
N Aerosol	400 ml	13.55 oz	53-F 402	L-177	12
Sprayer	500 ml	16.9 oz	53-F 403	L-147	12
Liquid	3.78 L	1 gal.	53-F 405	L-147	1
Liquid	20 L	5.2 gal.	53-F 407	L-147	1
Liquid	208 L	55 gal.	53-F 408	L-147	1

Color: White



Tech tip!

Best choice for welding on aluminum surfaces.





INDUSTRIAL PUMP SPRAYERS

Tough industrial sprayers designed to quickly and effectively dispense anti-spatter products. The spray pattern can easily be adjusted from a pin point jet for accurate product dispensing to a wide fan for greater surface coverage. These thick walled polyethylene bottles have regulatory compliant labels and feature a wide neck for easy refilling.

Description	Size		Order No.	Std. Pkg.
	Metric	US Gal		
Spatter Block	900 ml	30.4 oz	53-L 101	1
E-Weld 3	900 ml	30.4 oz	53-L 105	1
E-Weld 4	900 ml	30.4 oz	53-L 107	1



REFILLABLE TRIGGER SPRAYERS

Sprayers equipped with precision mechanism – guarantees minimal constant spray mist / no dripping. Clearly identified with product specific labels showing product features, WHMIS HCS 2012 compliance and directions for use.

Description	Size		Order No.	Std. Pkg.
	Metric	US Gal		
Spatter Block	500 ml	16.9 oz	53-L 321	1
E-Weld 3	500 ml	16.9 oz	53-L 320	1
E-Weld 4	500 ml	16.9 oz	53-L 338	1



AIR FORCE SYSTEMS

FOR SPATTER BLOCK, SPATTER BLOCK HT, E-WELD 3 AND E-WELD 4

The Air Force aerosol can refilling station offers the convenience of using aerosol cans with the cost effectiveness of buying bulk packaging



NEW



The Air Force station automatically dispenses Spatter Block, Spatter Block HT, E-WELD 3 and E-WELD 4 solutions and compressed air into refillable spray cans helping you reduce costs associated with the disposal of harmful aerosol cans as well as your environmental impact.

**1X 208L
DRUM = 700
CANS**

Benefits

- ▷ *Eliminates aerosol disposal costs*
- ▷ *Reduces environmental impact*
- ▷ *Perfect price to performance ratio*

AIR FORCE refillable sprayer

Durable and light weight aluminum Air Force sprayer comes with a specific label to clearly identify the contents.



*No more disposing
of hazardous
aerosol cans*



AIR FORCE START-UP PACKAGES

AIR FORCE SPATTER BLOCK™ 208 L / 55 gal.

Order no.
57-D 018

The start-up package includes:

- ▷ 1 x 53-F208 Spatter Block
208 L / 55 gal. drum
- ▷ 1 x 57-D 000 Air Force Generic
Orange Station
- ▷ 4 x 53-B 101 refillable bottle



AIR FORCE SPATTER BLOCK HT™ 208 L / 55 gal.

Order no.
57-D 028

The start-up package includes:

- ▷ 1 x 53-F228 Spatter Block HT
208 L / 55 gal. drum
- ▷ 1 x 57-D 000 Air Force Generic
Orange Station
- ▷ 4 x 53-B 102 refillable bottle

AIR FORCE E-WELD 3™ 208 L / 55 gal.

Order no.
57-D 038

The start-up package includes:

- ▷ 1 x 53-F258 E-Weld 3
208 L / 55 gal. drum
- ▷ 1 x 57-D 000 Air Force Generic
Orange Station
- ▷ 4 x 53-B 103 refillable bottle



Air refilling pod
Order No.: 53-M 010

AIR FORCE E-WELD 4™ 208 L / 55 gal.

Order no.
57-D 048

The start-up package includes:

- ▷ 1 x 53-F 408 E-Weld 4
208 L / 55 gal. drum
- ▷ 1 x 57-D 000 Air Force Generic
Orange Station
- ▷ 4 x 53-B 104 refillable bottle

Accessories	Order No.
Air refilling pod	53-M 010
Replacement valve kit (includes 2 valves and 2 spray tips)	57-B 000
Brass screw cap	53-M 037
Drum adaptor	53-M 038

THE WALTER ABRASIVES SELECTOR APP IS HERE.

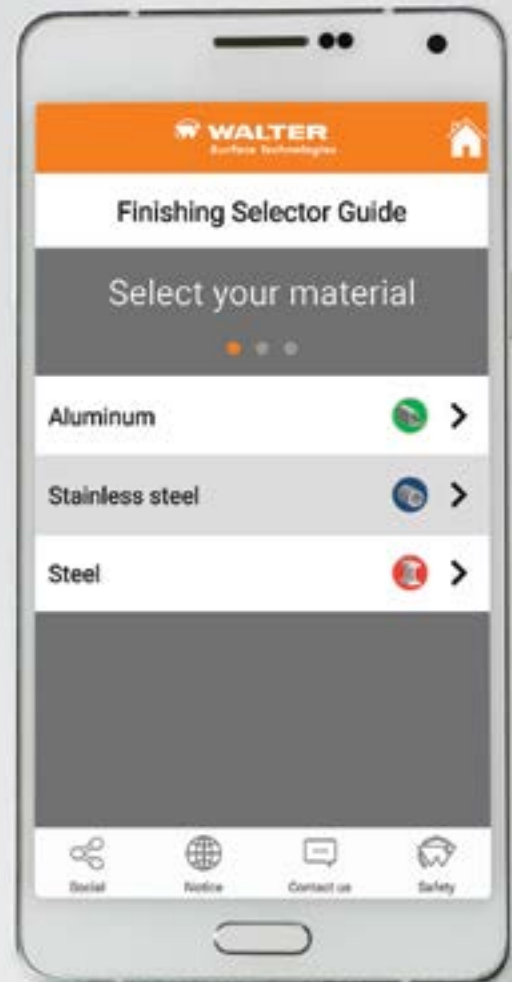
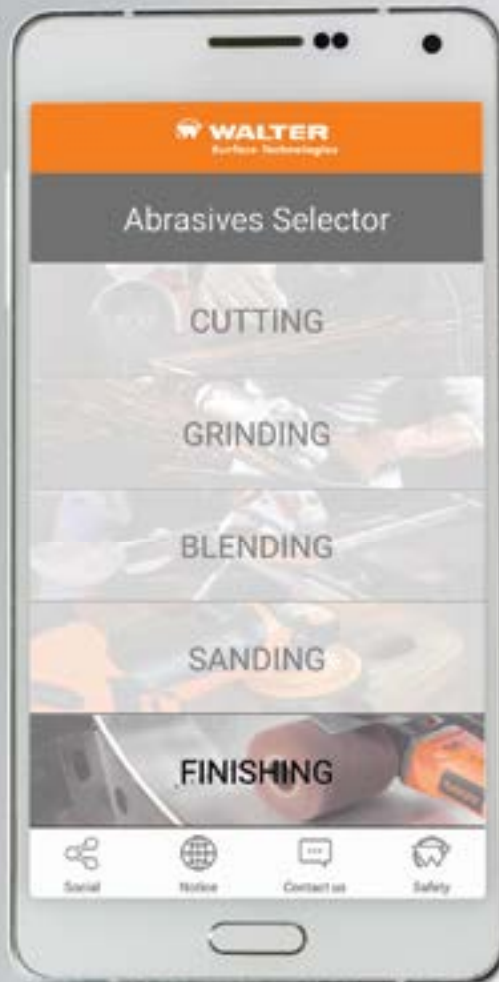
The finishing solutions you need,
right at your fingertips.

The Walter Abrasives Selector app will help you find the right finishing solution in just a few clicks.

- Keep track of your preferred solutions by saving, emailing, or sharing product summaries in PDF format.
- Improve your finishing results by watching our step-by-step videos packed with expert tips.

Find the perfect solution for every job, and learn how to achieve the perfect finish, all in one place.

Download the Walter Abrasives Selector app today.



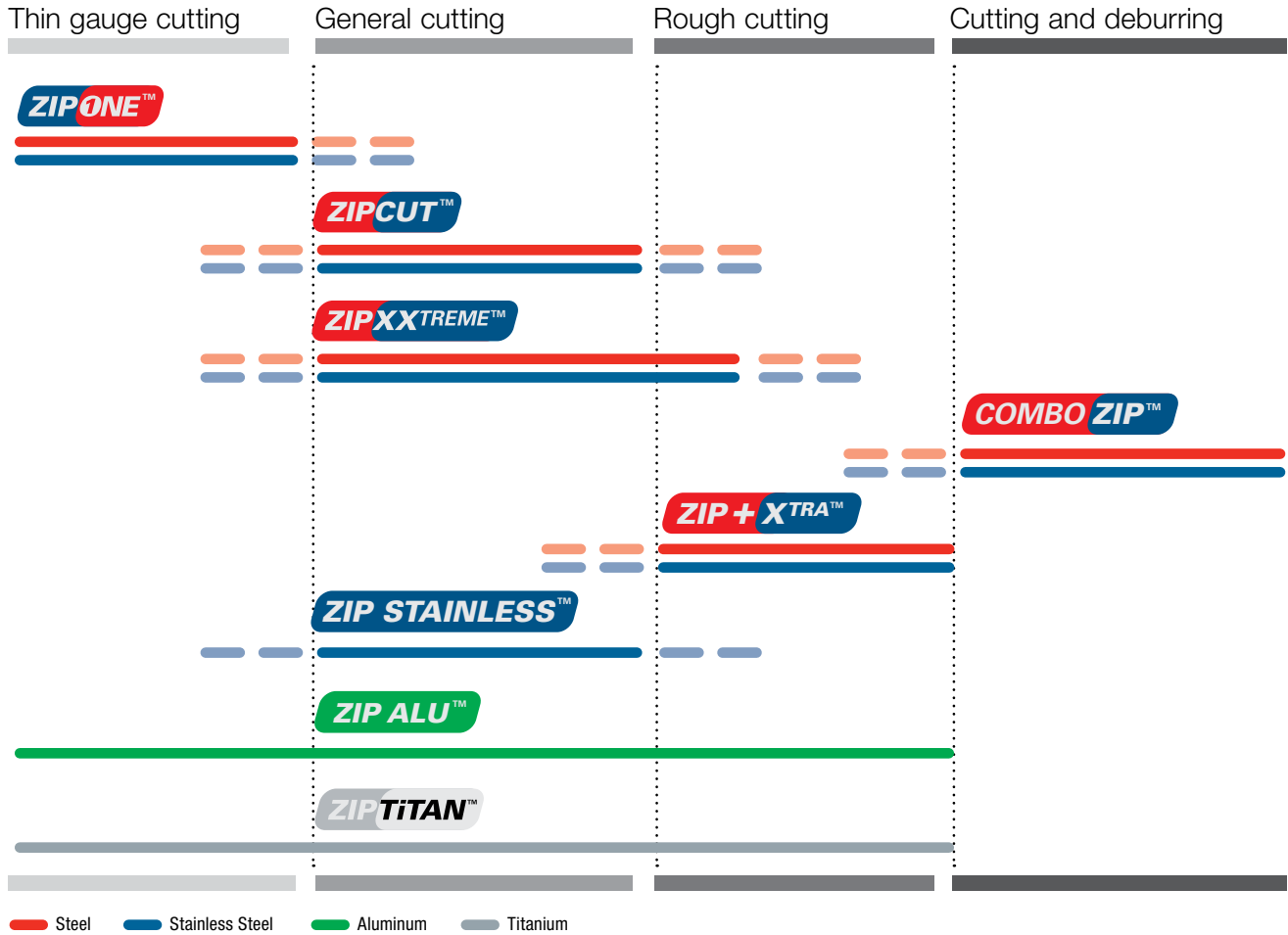
A close-up photograph of a worker in full personal protective equipment (PPE) using a circular saw to cut a metal beam. The worker is wearing a black helmet with a clear face shield, a blue denim shirt, black safety glasses, and black gloves. The saw is a circular saw with a white blade, and it is cutting through a metal beam, creating a large spray of bright orange sparks. The worker's right glove has the brand name 'WALTER' visible. The background is a blurred industrial setting. In the top right corner, there is a solid red square.

02

CUTTING

ZIP FAMILY PRODUCTS AT A GLANCE

RECOMMENDED BY TYPE OF USAGE



WALTER INDUSTRIAL GLOVES

Protective, sleek, and tight fitting for comfort. Walter's newly-designed work gloves are made to last in the toughest applications. They are made of 100% Black Goatskin leather, with a neoprene insert that reduces vibration. The thumb curve is made with Kevlar™, a natural anti-slip solution. Simply put, these gloves are the toughest and most comfortable for demanding industrial applications.

Large
Extra-Large

Order No.: 30-B 093
Order No.: 30-B 095

ZIPCUT FEATURES

Why are Walter thin cut-off wheels the best in the industry?



Curved Stripes

Look for curved stripes to be sure that you're getting an authentic Walter Surface Technologies product. Like Walter's distinctive orange, curved stripes distinguish our wheels.

Exclusive Packaging

Walter's cut-off wheels are sold in a sturdy, unique and reusable plastic container that keeps each wheel in the same condition as when it left the factory thereby enhancing performance, safety, and durability.

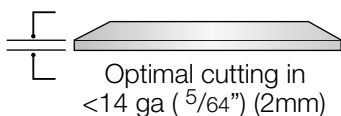


Triple Reinforcement Combo Zip™

Three layers of reinforcement and metal cladding on the cut-off wheel's hub provides maximum safety. This feature allows the cut-off wheel to bear the force of lateral pressure and allow users to light grind/deburr in a safe manner.

Type 27 Narrow Crown and Metal Cladding

Exclusive patented technology that incorporates a metal cladding in the center hub for added safety, and allows for a deeper cutting depth, extending the life of the cutting wheel.



Ultra-Thin Zip One™

Walter's thinnest cut-off wheel at 1/32" is designed for maximum precision cutting. Thanks to an innovative technology exclusive to Walter, ZIP One is not only long lasting, but also allows you to more accurately cut sheet metal without creating burrs.

JUST
1/32"
THICK

Spin-On Wheels for Easy Mounting

Changing your cut-off wheels is quicker and easier than ever before, which results in minimal downtime during wheel change out and less vibration when cutting.





ZIPCUT™

THE BEST JUST GOT BETTER

NEW and improved formula.
20% MORE CUTS



 **YouTube**
Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

 **WALTER**
Surface Technologies
Only the best.™

ZIP XXTREME™

The longest lasting $\frac{3}{64}$ " thin cut-off wheel

Walter continuously develops new technology to improve cut-off wheel performance. ZIP XXTREME™ has been specially engineered using exclusive new manufacturing techniques to be the longest lasting cut-off wheel, boasting the lowest cost per cut compared to all other $\frac{3}{64}$ " thin cut-off wheels. Save time working on your projects, and save money using ZIP XXTREME™ by getting the job done more efficiently. These cut-off wheels last up to 20% longer than other $\frac{3}{64}$ " cut-off wheels.

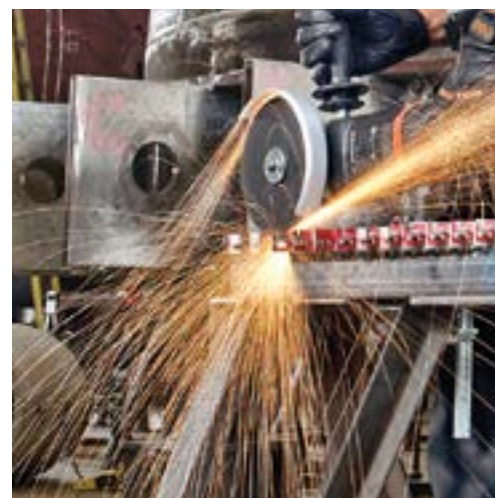
- ▷ **Extreme life for more cuts per wheel**
- ▷ **Lowest cost per cut in the industry**
- ▷ **Extreme cutting speed both on steel and stainless for maximum productivity**

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	$\frac{3}{64}$ " (.045")	$\frac{7}{8}$ "	11-T 044	A-60	13,300	25	400
5"	$\frac{3}{64}$ " (.045")	$\frac{7}{8}$ "	11-T 054	A-60	12,200	25	400
6"	$\frac{3}{64}$ " (.045")	$\frac{7}{8}$ "	11-T 064	A-36	10,200	25	200
7"	$\frac{1}{16}$ " (.062")	$\frac{7}{8}$ "	11-T 074	A-36	8,600	25	100

**GET 33% MORE CUTS
WHEN COMBINED WITH
OUR MINI PLUS!
See page 172.**



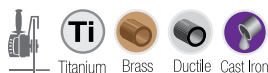
ZIP TITAN™

Best solution for cutting titanium and brass

For the best solution when working with titanium and brass materials, trust ZIP TITAN™. It cuts through titanium and brass without overheating these metals, delivering a longer lasting cut-off wheel while preserving the mechanical properties and surface integrity of the material being cut. Get more cuts per wheel and faster, freer cuts on some of the industry's most challenging metals, courtesy of ZIP TITAN™.

- ▷ **Longer life and optimal cutting performance on titanium and brass**
- ▷ **Unique formulation which prevents metal from overheating 100%**

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	$\frac{3}{64}$ " (.045")	$\frac{7}{8}$ "	11-H 042	C-60	13,300	25	400
5"	$\frac{3}{64}$ " (.045")	$\frac{7}{8}$ "	11-H 052	C-60	12,200	25	400
6"	$\frac{3}{64}$ " (.045")	$\frac{7}{8}$ "	11-H 062	C-36	10,200	25	200
7"	$\frac{1}{16}$ " (.062")	$\frac{7}{8}$ "	11-H 072	C-36	8,600	25	100





NEW FORMULA!
20% MORE CUTS



- ▷ Significantly more cuts than the competition*
 - ▷ Less friction and faster cutting
- * According to comparative test measurements performed in a lab environment.

INDUSTRY'S LEADING AND MOST TRUSTED WHEEL

YouTube
Video available at *The Walter Network*
www.youtube.com/user/TheWalterNetwork

ZIPCUT™

Setting the industry standard for cut-off wheels

ZIPCUT™ is the highest performing cut-off wheel on the market. Faster, cooler, freer cutting and heavily reinforced for added safety, ZIPCUT provides premium performance while resisting twisting and bending. This allows for a true, straight cut every time. The end result is a wheel that improves worker safety while delivering unrivaled value.

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/64" (.045")	7/8"	11-T 042	A-60	13,300	25	400
5"	3/64" (.045")	7/8"	11-T 052	A-60	12,200	25	400
6"	3/64" (.045")	7/8"	11-T 062	A-60	10,200	25	200
7"	1/16" (.062")	7/8"	11-T 072	A-30	8,600	25	100
9"	* 5/64" (.078")	7/8"	11-T 092	A-30	6,600	25	100

* Must be used with 3" clamping flange No. 30-B 022 (according to ANSI B7.1)

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
7"	1/16" (.062")	5/8"	11-T 070	A-30	8,600	25	100
8"	1/16" (.062")	5/8"	11-T 080	A-30	7,600	25	100

TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/64" (.045")	7/8"	11-T 142	A-60	13,300	25	200
5"	3/64" (.045")	7/8"	11-T 152	A-60	12,200	25	200
6"	3/64" (.045")	7/8"	11-T 162	A-60	10,200	25	200
7"	1/16" (.062")	7/8"	11-T 172	A-30	8,600	25	100
9"	5/64" (.078")	7/8"	11-T 192	A-30	6,600	25	100

Mounting accessories

Complete set for a flush fit and minimal spindle exposure beyond the clamping nut, for other brands of grinders with: 5/8"-11 spindles

30-B 021



Thick backing flange for a flush fit and minimal exposure of spindle beyond the clamping nut for Walter grinders with: 5/8"-11 spindles

30-B 017

Clamping flanges set to mount 9" cut-off wheels on 5/8"-11 spindles

30-B 022



Accessory

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

ZIPCUT™ SPIN-ON

High performance cutting with SPIN-ON system

A Walter exclusive, our SPIN-ON mounting system takes your productivity to the next level with a $\frac{5}{8}$ "-11 threaded hub that reduces vibration and reduces the time spent on wheel change outs.

- ▷ *Perfectly centered wheel for total operator comfort*
- ▷ *Vibration-free cutting for maximum life, safety and productivity*



TYPE 27S  **SPIN-ON**

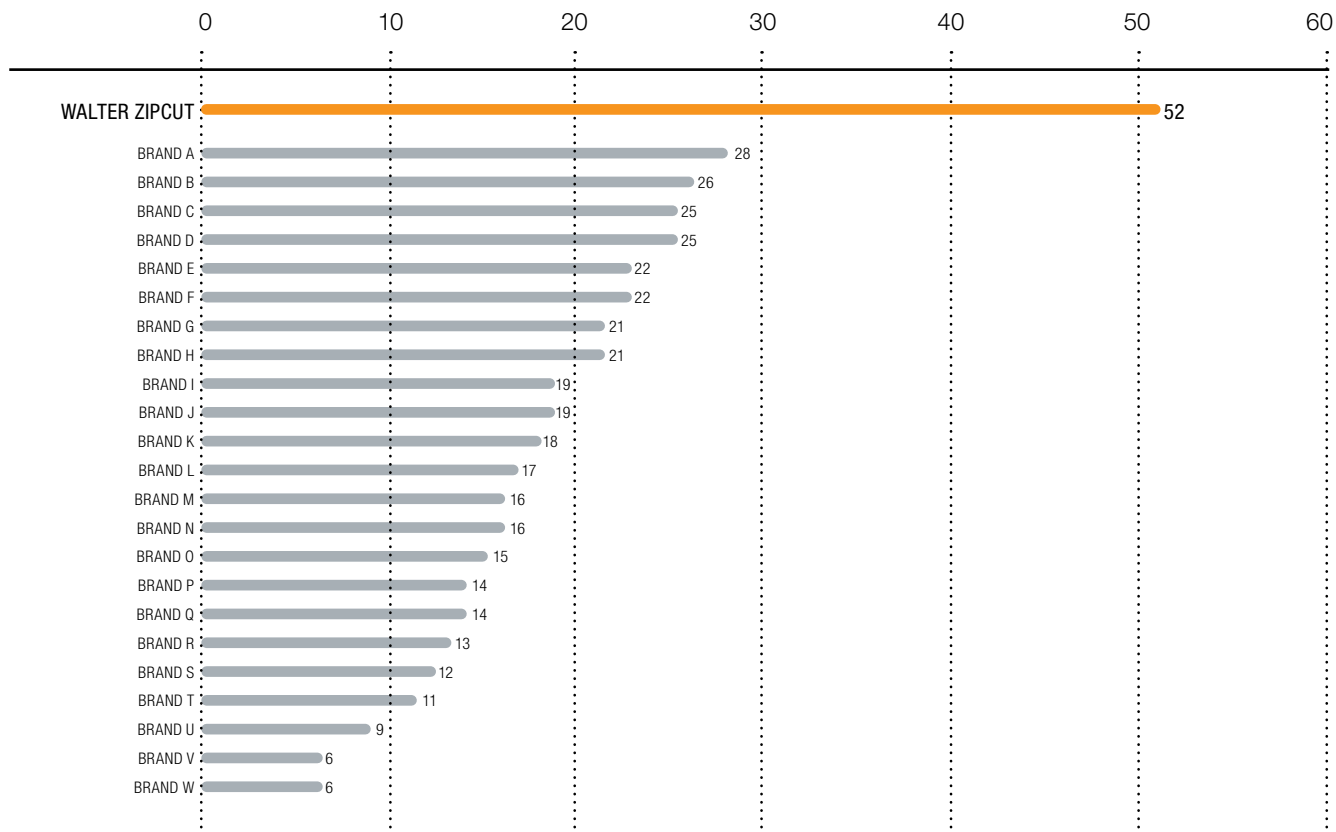


Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	$\frac{3}{64}$ " (.045")	$\frac{5}{8}$ "-11	11-T 342	A-60	13,300	25	100
5"	$\frac{3}{64}$ " (.045")	$\frac{5}{8}$ "-11	11-T 352	A-60	12,200	25	100
6"	$\frac{3}{64}$ " (.045")	$\frac{5}{8}$ "-11	11-T 362	A-60	10,200	25	100

QUICK AND EASY
WHEEL CHANGE FOR
MINIMUM DOWNTIME

ZIPCUT™ - Comparison tests of 5" cutting wheels

Total number of cuts on 1/4" hot rolled steel plate



ZIP+ XTRA™

Performance cutting in thicker metal

ZIP+ XTRA™ has a reinforced rib design for straighter cuts on metal that measures 1/8" thick or thicker. This feature also helps to cool the workpiece, preventing the large burrs and material discoloration often produced by competitive 1/16" cut-off wheels.

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/16" (.062")	7/8"	11-T 242	A-36	13,300	25	400
5"	1/16" (.062")	7/8"	11-T 252	A-36	12,200	25	400
6"	1/16" (.062")	7/8"	11-T 262	A-36	10,200	25	200
7"	5/64" (.078")	7/8"	11-T 272	A-36	8,600	25	100
9"	3/32" (.094")	7/8"	11-T 292	A-36	6,600	25	100

* Must be used with 3" clamping flange No. 30-B 022 (according to ANSI B7.1)

TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/16" (.062")	7/8"	11-T 453	A-36	13,300	25	200
5"	1/16" (.062")	7/8"	11-T 503	A-36	12,200	25	200
6"	1/16" (.062")	7/8"	11-T 603	A-36	10,200	25	200



CHOOSE ZIP+ XTRA™
FOR THE TOUGHEST PROJECTS!

- ▶ Excellent performance for cutting material 1/8" and thicker
- ▶ 4 1/2" and 5" Type 27 wheels feature an exclusive narrow crown design and metal hub cladding
- ▶ The preferred wheel for flush cutting in confined spaces



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

TOUGH CUT™

For the toughest, most demanding cutting applications

These wheels cut fast and free without binding and maintain high RPM for a clean cut and superior all-around performance.

TYPE 1



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

* Must be used with 3" clamping flange No. 30-B 022 (according to ANSI B7.1)

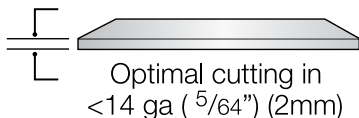


Accessory

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



Recommended: 8 ga (3/16") (4 mm)



- ▷ *Fast, free precision cuts*
- ▷ *Clean cutting for less rework*
- ▷ *Unique mix of abrasive grains ensures cool cutting for less discoloration and warping*
- ▷ *Fe-free formulation – guaranteed not to contaminate stainless steel*
- ▷ *Perfect for plunge cutting applications*

ZIP ONE™

High performance cut-off wheel for thin gauge metal

ZIP ONE™ offers the quickest cuts and longest life in an ultra-thin $\frac{1}{32}$ " wheel. It is cool cutting to provide a burr-free cut with minimal discoloration. Best of all, it cuts extremely quickly and without vibration, making your job safer and easier when working with thin gauge steel or stainless steel.

EXTRA THIN FOR ULTRA PRECISE CUTTING

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/32" (.035)	7/8"	11-T 542	ZA-60	13,300	25	400
5"	1/32" (.035)	7/8"	11-T 552	ZA-60	12,200	25	400



TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/32" (.032")	7/8"	11-T 642	ZA-60	13,300	25	400
5"	1/32" (.032")	7/8"	11-T 652	ZA-60	12,200	25	400
6"	1/32" (.035")	7/8"	11-T 662	ZA-60	10,200	25	200
7"	3/64" (.045")	7/8"	11-T 672	ZA-60	8,600	25	100



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork





- ▷ Free of iron, sulfur and chlorine so as not to contaminate stainless steel
- ▷ Type 27 allows more clearance for flush cutting
- ▷ Metal hub cladding for extra strength, control and safety

ZIP STAINLESS™

Guaranteed not to contaminate stainless steel

The new and improved Zip Stainless™ is better than ever. This cut-off wheel is free of iron, sulfur and chlorine, ensuring it will not contaminate stainless steel or other nickel alloyed steels. It offers cool, free cuts and the best overall performance on nickel alloyed steels.

TYPE 1



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

* Must be used with 3" clamping flange No. 30-B 022 (according to ANSI B7.1)

TYPE 27



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



**Best wheel life and extra fast cutting in aluminum and other non-ferrous alloys*



ZIP ALU™

Fast and free cutting of aluminum without clogging

ZIP ALU™ is designed to provide long life and quick cuts on aluminum and other non-ferrous alloys. Our special abrasive blend provides smooth, cool cuts and is guaranteed not to clog, saving you time and money.

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/64" (.045")	7/8"	11-U 042	A-60-ZIP-ALU	13,300	25	400
5"	3/64" (.045")	7/8"	11-U 052	A-60-ZIP-ALU	12,200	25	400
6"	3/64" (.045")	7/8"	11-U 062	A-60-ZIP-ALU	10,200	25	200
7"	1/16" (.062")	7/8"	11-U 072	A-30-ZIP-ALU	8,600	25	100

TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/64" (.045")	7/8"	11-U 142	A-60-ZIP-ALU	13,300	25	400
5"	3/64" (.045")	7/8"	11-U 152	A-60-ZIP-ALU	12,200	25	400
6"	3/64" (.045")	7/8"	11-U 162	A-60-ZIP-ALU	10,200	25	200
7"	1/16" (.062")	7/8"	11-U 172	A-30-ZIP-ALU	8,600	25	100



- ▷ Cutting and deburring combined for less wheel changeover and greater productivity
- ▷ Reinforced like a grinding wheel to improve operator safety
- ▷ ZIP formulation guarantees fast cutting time and long life
- ▷ Equipped with a metal protective hub for extra strength, control and safety

COMBO ZIP

Fast, safe cutting and deburring with one wheel

Safely cut and deburr with just one wheel. COMBO ZIP™ is the perfect fit when operators don't want the hassle of having to change out wheels to deburr, notch or chamfer immediately after cutting. Save time and improve worker safety with COMBO ZIP™.

TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/64" (.078")	7/8"	11-T 842	A-60	13,300	25	400
5"	5/64" (.078")	7/8"	11-T 852	A-60	12,200	25	200
6"	5/64" (.078")	7/8"	11-T 862	A-60	10,200	25	200

TYPE 27S



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/64" (.078")	5/8"-11	11-T 844	A-60	13,300	25	200
5"	5/64" (.078")	5/8"-11	11-T 854	A-60	12,200	25	200



THREE LAYERS
OF REINFORCEMENT
AND METAL CLADDING
FOR MAXIMUM SAFETY



YouTube

Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork



EXCELLENT CUTTING SPEED AND WHEEL LIFE

- ▶ *Fast, cool and free cutting, allowing the operator to work with minimal pressure for best control*
- ▶ *Superior life and cutting speed compared to competitive wheels*
- ▶ *24 grit wheels for faster cutting speeds*
- ▶ *60 grit wheels for longer life*

ZIP™

Performance cutting and grinding with straight shaft and die grinders

ZIP™ wheels offer the best performance available on straight shaft and die grinders. They are specially formulated to run cool for maximum life and are guaranteed not to contaminate stainless steel.

For notching applications, it is recommended that you use $\geq \frac{1}{8}$ ".

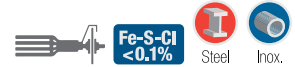
For grinding applications, $\frac{1}{2}$ " is recommended.

2" TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
2"	$\frac{1}{32}$ "	$\frac{1}{4}$ "	11-L 202	A-24	30,600	25	200
2"	$\frac{1}{32}$ "	$\frac{3}{8}$ "	11-L 203	A-60	30,600	25	200
2"	$\frac{1}{16}$ "	$\frac{5}{16}$ "	11-L 211	A-24	30,600	25	200
2"	$\frac{1}{16}$ "	$\frac{1}{4}$ "	11-L 212	A-24	30,600	25	200
2"	$\frac{1}{16}$ "	$\frac{3}{8}$ "	11-L 213	A-24	30,600	25	200
2"	$\frac{1}{8}$ "	$\frac{5}{16}$ "	11-L 221	A-24	30,600	25	200
2"	$\frac{1}{8}$ "	$\frac{3}{8}$ "	11-L 223	A-24	30,600	25	200
2"	$\frac{1}{4}$ "	$\frac{5}{16}$ "	11-L 231	A-24	30,600	25	200
2"	$\frac{1}{4}$ "	$\frac{3}{8}$ "	11-L 233	A-24	30,600	25	200
2"	$\frac{1}{2}$ "	$\frac{5}{16}$ "	11-L 251	A-24	30,600	25	200
2"	$\frac{1}{2}$ "	$\frac{3}{8}$ "	11-L 253	A-24	30,600	25	200

2 1/2" TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
2 1/2"	$\frac{1}{16}$ "	$\frac{3}{8}$ "	11-L 263	A-24	30,350	25	200

YouTube

Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork



3" TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
3"	$\frac{1}{32}$ "	$\frac{1}{4}$ "	11-L 302	A-60	25,470	25	200
3"	$\frac{1}{16}$ "	$\frac{1}{4}$ "	11-L 312	A-24	25,470	25	200
3"	$\frac{1}{8}$ "	$\frac{1}{4}$ "	11-L 322	A-24	25,470	25	200
3"	$\frac{1}{32}$ "	$\frac{3}{8}$ "	11-L 303	A-60	25,470	25	200
3"	$\frac{1}{16}$ "	$\frac{3}{8}$ "	11-L 317	A-60	25,470	25	200
3"	$\frac{1}{16}$ "	$\frac{3}{8}$ "	11-L 313	A-24	25,470	25	200
3"	$\frac{1}{8}$ "	$\frac{3}{8}$ "	11-L 323	A-24	25,470	25	200
3"	$\frac{1}{4}$ "	$\frac{3}{8}$ "	11-L 333	A-24	25,470	25	100
3"	$\frac{1}{2}$ "	$\frac{3}{8}$ "	11-L 353	A-24	25,470	25	100

4" TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4"	1/32"	3/8"	11-L 403	A-60	19,100	25	200
4"	1/16"	3/8"	11-L 413	A-24	19,100	25	200
4"	1/16"	3/8"	11-L 417	A-60	19,100	25	200
4"	1/8"	3/8"	11-L 423	A-24	19,100	25	200
4"	1/4"	3/8"	11-L 433	A-24	19,100	25	100
4"	1/2"	3/8"	11-L 453	A-24	19,100	25	100
4"	1/32"	5/8"	11-L 405	A-60	19,100	25	200
4"	1/16"	5/8"	11-L 415	A-24	19,100	25	200

- ▶ Ideal for flush cutting
- ▶ Metal hub cladding for extra strength and safety



3" & 4" TYPE 27



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

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

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

ZIP ALU™

Fast and free cutting of aluminum without clogging

Thin cut-off wheels specially formulated to cut a wide variety of aluminum, aluminum alloys and non-ferrous metals without clogging.

TYPE 1



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

- ▶ Best wheel life and extra fast cutting on aluminum



Mounting accessories

Flush mandrels with 1/4" shaft for wheel thickness up to 1/2"

For 2 and 3" wheels, 1/4" and 3/8" arbor	11-L 007
For 2" wheels, 5/16" arbor	11-L 001
For 3" and 4" wheels, 1/4" arbor	11-L 006
For 3" and 4" wheels, 3/8" arbor	11-L 003

General purpose mandrels with 1/4" shaft for wheel thickness up to 1/2"

For 2" wheels, 3/8" arbor	11-L 008
For 2" wheels, 5/16" arbor	11-L 002
For 3" and 4" wheels, 3/8" arbor	11-L 004

With 5/16" shaft For 3" and 4" wheels, 3/8" arbor

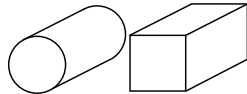
For 3" and 4" wheels, 3/8" arbor	11-L 005
----------------------------------	----------



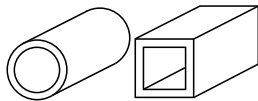
EXTRA FAST
CUTTING ON ALUMINUM
WITHOUT CLOGGING!



THE WHEEL OF CHOICE FOR SOLIDS AND STAINLESS TUBES



- ▷ Reinforced center
- ▷ Optimized for use on low power chop saws; reduces load on machine and creates less burrs
- ▷ The wheel of choice for solids and stainless steel tubing



- ▷ Double external reinforcement for extra safety
- ▷ The wheel of choice for tubing and extrusions
- ▷ Longer life for the toughest applications



- ▷ Fast and free cutting on all types of aluminum and non-ferrous metals
- ▷ Unique formulation which prevents clogging to extend wheel life



- ▷ Optimal cutting performance on titanium and brass
- ▷ Unique formulation prevents metal from overheating
- ▷ For portable and stationary saws

CHOPCUT™

Performance cutting with portable chop saws

These wheels have been developed specifically for use on portable chop saws. They put minimal load on the motor, making them easy on both the operator and the tool. Best of all, CHOPCUT™ wheels deliver quick cuts and exceptional lifespan.



CHOPCUT

General purpose

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
12"	3/32"	1"	10-Q 123	A-30	5,100	10	50
14"	3/32"	1"	10-Q 143	A-30	4,400	10	50
16"	7/64"	1"	10-Q 163	A-30	3,800	10	30

CHOPCUT II

High performance

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
12"	3/32"	1"	10-P 123	A-30	5,100	10	50
14"	3/32"	1"	10-P 143	A-30	4,400	10	50
16"	7/64"	1"	10-P 163	A-30	3,800	10	30

CHOPCUT ALU

ALU TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
12"	3/32"	1"	10-L 123	A-30	5,100	10	50
14"	3/32"	1"	10-L 143	A-30	4,400	10	50

CHOPCUT TITAN

Titanium TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
14"	1/8" (.125")	1"	10-H 143	C-30	4,400	10	50
16"	1/8" (.125")	1"	10-H 163	C-30	3,800	10	30

RIPCUT™

High performance cutting on stationary cut-off machines

Available in several styles, these heavily-reinforced wheels can tackle anything from thin walled profiles to heavy solids, while providing fast cuts and long life, to give you the lowest cost-per-cut in the industry.



RIPCUT

General purpose TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	1"	10-B 123	A-24	5,100	10	50
14"	1/8"	1"	10-B 143	A-24	4,400	10	30
16"	5/32"	1"	10-B 163	A-24	3,800	10	30
18"	3/16"	1"	10-B 183	A-24	3,400	10	20
20"	3/16"	1"	10-B 203	A-24	3,000	5	10

**FOR THE LOWEST
COST PER CUT!**

- ▷ *The most versatile wheel*
- ▷ *Cuts thin walled profiles to heavy solids*
- ▷ *The preferred wheel for low power machines (<10 HP)*

RIPCUT II

High performance TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	1"	10-A 123	A-24	5,100	10	50
14"	1/8"	1"	10-A 143	A-24	4,400	10	30
16"	5/32"	1"	10-A 163	A-24	3,800	10	30
18"	3/16"	1"	10-A 183	A-24	3,400	10	20
20"	3/16"	1"	10-A 203	A-24	3,000	5	10
20"	3/16"	40 mm	10-A 206	A-24	3,000	5	10

- ▷ *Outperforms all other comparable wheels*
- ▷ *Cuts almost anything from thin wall shapes to solid shafts*
- ▷ *For use on high power machines (>10 HP)*

RIPCUT STAINLESS

Stainless TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
14"	1/8"	1"	10-C 143	A-36	4,400	10	30

- ▷ *Specially formulated to cut all types of stainless and alloyed steels*
- ▷ *Fast and cool cutting with less burrs and discoloration*

Accessories

Reducer bushings

From	To	Order No.	From	To	Order No.
40 mm	1 1/2"	10-A 992	1"	7/8"	10-A 988
40 mm	1 1/4"	10-A 991	1"	3/4"	10-A 987
40 mm	1"	10-A 990	1"	5/8"	10-A 986
1"	20 mm	10-A 989	1"	1/2"	10-A 985





▷ General purpose cutting of steel and cast iron



- ▷ Designed for cutting of concrete, concrete blocks, stone, asphalt, etc.
- ▷ General purpose cutting of reinforced concrete pipes, ductile iron, PVC and other plastic pipes



- ▷ Made with premium abrasive grains and resin
- ▷ Heavily reinforced for maximum safety and smoothness
- ▷ Railcut II Long Life for longer life and use on softer (new) rail - Best option for hydraulic saws
- ▷ Railcut II Fast Cut for faster cutting and minimal deflection on hardened (used) rail - Best option for gas saws

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. Reinforced for added safety and formulated for an optimal cutting speed and wheel life ratio, PORTACUT™ is the preferred choice for professionals who demand "only the best" in performance and jobsite safety.

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	20 mm STIHL	11-A 121	A-24	6,300	10	50
12"	1/8"	7/8" PARTNER	11-A 122	A-24	6,300	10	50
12"	1/8"	1"	11-A 123	A-24	6,300	10	50
14"	1/8"	20 mm STIHL	11-A 141	A-24	5,400	10	30
14"	1/8"	7/8" PARTNER	11-A 142	A-24	5,400	10	30
14"	1/8"	1"	11-A 143	A-24	5,400	10	30

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	20 mm STIHL	11-D 121	C-24	6,300	10	50
12"	1/8"	7/8" PARTNER	11-D 122	C-24	6,300	10	50
12"	1/8"	1"	11-D 123	C-24	6,300	10	50
14"	1/8"	20 mm STIHL	11-D 141	C-24	5,400	10	30
14"	1/8"	7/8" PARTNER	11-D 142	C-24	5,400	10	30
14"	1/8"	1"	11-D 143	C-24	5,400	10	30

RAILCUT II™

Premium wheels for cutting all types of rail

RAILCUT II™ wheels are designed for fast cutting on all types of rails without glazing. They are heavily reinforced for maximum safety, smooth cutting and more cuts per wheel than ever before.

RAILCUT II LONG LIFE

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
14"	5/32"	1"	11-V 143	A-24	5,400	10	30
16"	5/32"	1"	11-V 163	A-24	4,700	10	30

RAILCUT II FAST CUT

TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
14"	5/32"	1"	11-V 145	A-24	5,400	10	30
16"	5/32"	1"	11-V 165	A-24	4,700	10	30

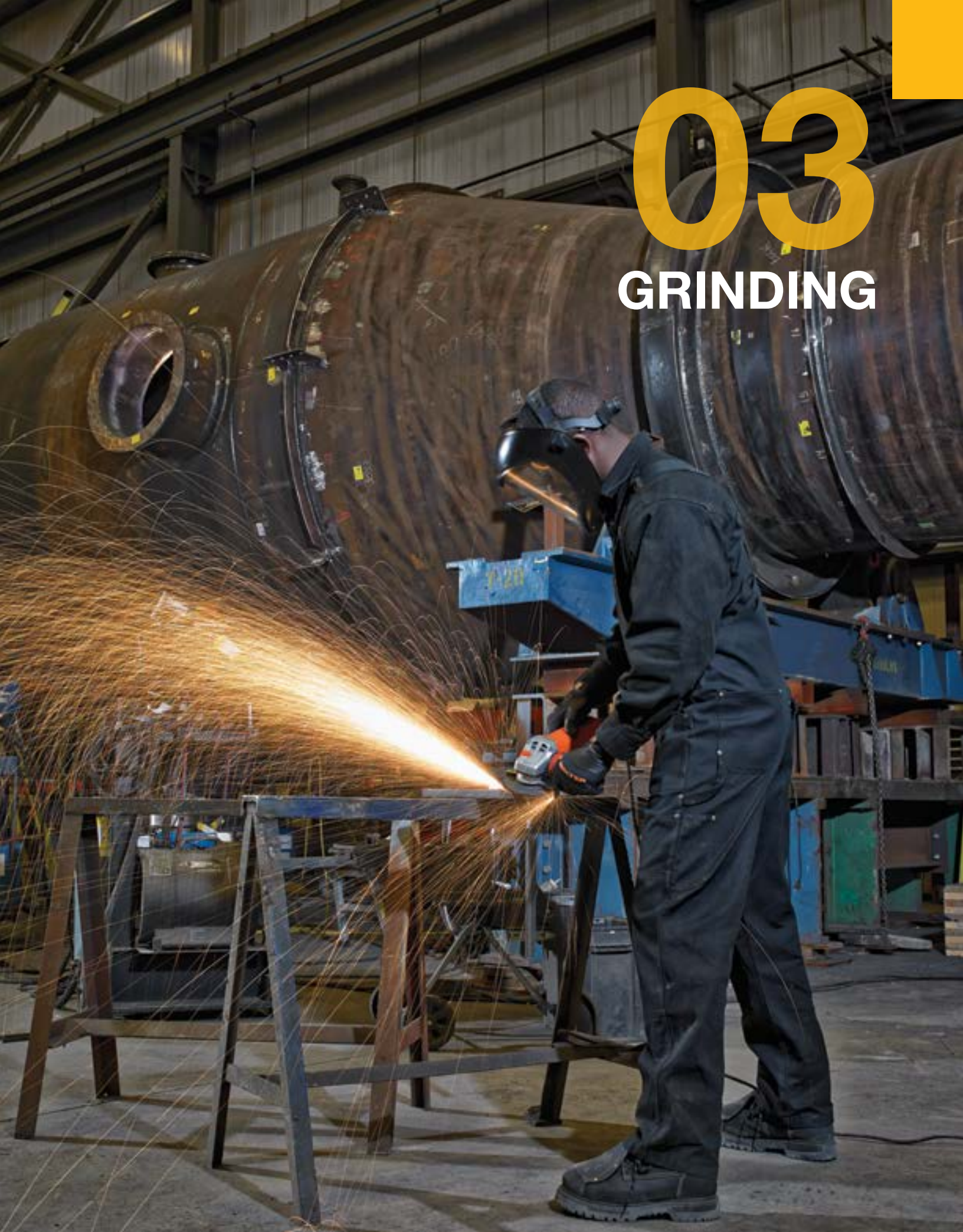
Accessories

Reducer bushings

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

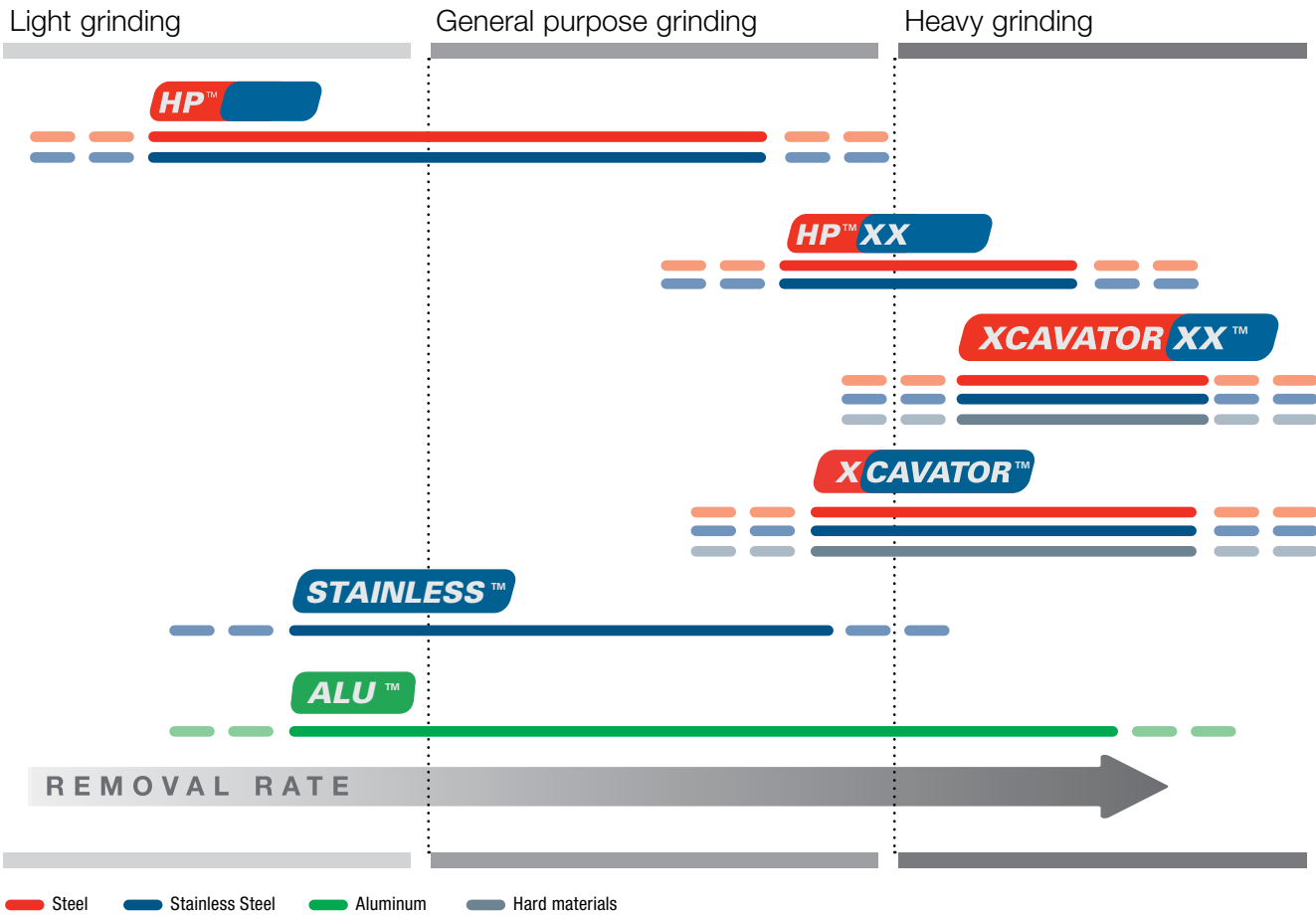
03

GRINDING



GRINDING PRODUCTS AT A GLANCE

RECOMMENDED BY TYPE OF USAGE



EXCLUSIVE TO WALTER

CONVENIENT AND SAFE!

SPIN-ON quick-change mounting

- Ultra resistant built-in threaded arbor for quick and easy disc changes while ensuring operator safety
- All the safety and comfort of using a wheel with a 5/8"-11 metal hub at just a fraction of the price



XCAVATOR XX™

Ultra-fast removal, stress-free

Walter's all-new Xcavator™ XX delivers premium performance so operators can remove more material faster in a comfortable grinding experience. Its unique ceramic grain blend delivers ultra-fast removal rates while reducing operator stress. Its durability and long life contribute to fewer wheel changeovers. The all-powerful Xcavator™ XX is the most productive wheel for heavy-duty grinding on steel and stainless steel. Work better. Work less.

NEW



1/8" TYPE 1



Fe-S-CI <0.1%

Steel Inox. Hard

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-X 452	CA-24	13,300	10	40
5"	1/8"	7/8"	08-X 502	CA-24	12,250	10	40
6"	1/8"	7/8"	08-X 602	CA-24	10,200	10	40
7"	1/8"	7/8"	08-X 702	CA-24	8,600	10	40
9"	1/8"	7/8"	08-X 902	CA-24	6,650	10	40

ULTRA-FAST
REMOVAL RATE
ON THE TOUGHEST
METALS

1/4" TYPE 27S



Fe-S-CI <0.1%

Steel Inox. Hard

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-X 450	CA-24	13,300	10	40
5"	1/4"	7/8"	08-X 500	CA-24	12,250	10	40
6"	1/4"	7/8"	08-X 600	CA-24	10,200	10	40
7"	1/4"	7/8"	08-X 700	CA-24	8,600	10	40
9"	1/4"	7/8"	08-X 900	CA-24	6,650	10	40

- ▶ *Ultra-fast removal rate*
- ▶ *Comfortable grinding experience that maximizes productivity*
- ▶ *Advanced design prevents edge flaking for better balance and safety*
- ▶ *Ferrous-free formulation (will not contaminate stainless steel)*








XCAVATOR™






High removal rate on steel, stainless steel and hard metals

Xcavator™ has been redesigned to incorporate the latest innovation in Type 27 depressed center grinding wheels. The new Comfort Max™ Technology in the hub of the wheel helps to minimize vibration, providing the operator with more comfortable, ergonomic work conditions without sacrificing productivity. Xcavator™ delivers premium performance, high removal rate in steel and stainless steel and can confront some of the industry's toughest metals, such as tungsten carbide and quenched and tempered steel. Eliminate bottlenecks in your production process and reduce the amount of time spent grinding with the new and improved Xcavator™ with Comfort Max™ Technology, exclusive to Walter Surface Technologies.



1/4" TYPE 27   **Fe-S-CI <0.1%**   

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-P 460	ZA-16	13,300	25	100
5"	1/4"	7/8"	08-P 510	ZA-16	12,200	25	100
6"	1/4"	7/8"	08-P 600	ZA-16	10,200	25	100
7"	1/4"	7/8"	08-P 700	ZA-16	8,600	25	50
9"	1/4"	7/8"	08-P 900	ZA-16	6,600	25	50

1/4" TYPE 27S  **SPIN-ON**  **Fe-S-CI <0.1%**   

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-P 450	ZA-16	13,300	20	80
5"	1/4"	5/8"-11	08-P 500	ZA-16	12,200	20	80

Always use with flange 30-B 057.

GUARANTEES

HIGH REMOVAL IN THE INDUSTRY'S TOUGHEST METALS

- ▷ *Comfort Max™ Technology provides a smoother, more comfortable grinding experience without sacrificing productivity*
- ▷ *Patented multi-layer technology*
- ▷ *Advanced design prevents edge flaking for better balance and added safety*
- ▷ *Optimal power transfer from operator to working surface*
- ▷ *Fe-Free formulation (guaranteed not to contaminate stainless steel)*



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

NEW FORMULA!



SMOOTH GRINDING WITH AN AGGRESSIVE, CONTROLLED BITE





- ▷ High performance wheel that grinds off metal swiftly
- ▷ Smooth grinding with an aggressive, controlled bite
- ▷ Long wheel life



HP™





High performance and exceptional comfort for everyday grinding

The new and improved HP™ has set new industry benchmarks in general purpose grinding on steel and stainless steel. With an abrasive grain formula engineered for greater hardness and wear resistance, HP™ wheels remove metal faster and with less effort to provide one of the best overall values in grinding.

1/4" TYPE 27S  **SPIN-ON**   




Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-B 450	A-24	13,300	20	80
5"	1/4"	5/8"-11	08-B 500	A-24	12,200	20	80
6"	1/4"	5/8"-11	08-B 630	A-24	10,200	20	80

Always use 1/4" wheels with flange 30-B 057.





1/4" TYPE 28S  **SPIN-ON**   

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-B 451	A-24	13,300	20	80
5"	1/4"	5/8"-11	08-B 501	A-24	12,200	20	80

Always use 1/4" wheels with flange 30-B 057.

1/4" TYPE 27   

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
3"	1/4"	3/8"	08-B 310	A-24	20,000	25	100
4"	1/4"	3/8"	08-B 410	A-24	15,300	25	100
4"	1/4"	5/8"	08-B 400	A-24	15,300	25	100
4 1/2"	1/4"	7/8"	08-B 460	A-24	13,300	25	100
5"	1/4"	7/8"	08-B 510	A-24	12,200	25	100
6"	1/4"	7/8"	08-B 600	A-24	10,200	25	100
7"	1/4"	7/8"	08-B 710	A-24	8,600	25	50
9"	1/4"	7/8"	08-B 910	A-24	6,600	25	50

1/4" TYPE 28    

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
7"	1/4"	7/8"	08-B 701	A-24	8,600	25	50
9"	1/4"	7/8"	08-B 901	A-24	6,600	25	50





**GET DOUBLE THE LIFE OF YOUR
HP WHEELS WHEN COMBINED
WITH THE MINI PLUS!**
See page 172.



HP COMBO™





High performance cutting and grinding; all in one wheel

These 1/8" wheels set new standards for performance in combined depressed center wheels (for portable angle grinders). They are specially reinforced to withstand the stress in off-hand cutting operations. Whether cutting, grooving, notching or light grinding, these wheels are guaranteed to give you the longest wheel life, fastest material removal and maximum safety.

1/8" TYPE 27S  **SPIN-ON**   

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	5/8"-11	08-B 452	A-30	13,300	25	200
5"	1/8"	5/8"-11	08-B 502	A-30	12,200	25	200
6"	1/8"	5/8"-11	08-B 630	A-24	10,200	25	100

Always use 1/8" wheels with flange 30-B 057.

1/8" TYPE 27    

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
3"	1/8"	3/8"	08-B 312	A-24	20,000	25	200
4"	1/8"	3/8"	08-B 412	A-24	15,300	25	200
4"	1/8"	5/8"	08-B 402	A-24	15,300	25	200
4 1/2"	1/8"	7/8"	08-B 462	A-30	13,300	25	200
5"	1/8"	7/8"	08-B 512	A-30	12,200	25	200
6"	1/8"	7/8"	08-B 602	A-30	10,200	25	100
7"	1/8"	7/8"	08-B 712	A-30	8,600	25	100
9"	1/8"	7/8"	08-B 912	A-30	6,600	25	100

NEW FORMULA!



IDEAL FOR BOTH CUTTING AND GRINDING WORK

- ▷ Hold its cutting edge longer to provide more cuts per wheel
- ▷ Designed for maximum operator safety



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork



HP XX™

Premium grinding at the lowest overall cost

HP XX™ incorporates the latest advances in abrasive grain, bonding and manufacturing technology to substantially lower your total grinding costs. With the longest life in our grinding wheel lineup and extremely aggressive material removal, HP XX™ will allow you to achieve the lowest overall cost of grinding on steel.

- ▷ Our longest lasting grinding wheel
- ▷ Improved bonding technology and state-of-the-art manufacturing ensure a working life that is unsurpassed

SPIN-ON

Additional benefits of Spin-On

- ▷ Built-in threaded arbor ensures minimum vibration for maximum operator comfort
- ▷ No need for a pin key



1/8" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-H 452	A-24	13,300	25	200
5"	1/8"	7/8"	08-H 502	A-24	12,200	25	200
6"	1/8"	7/8"	08-H 602	A-24	10,200	25	200
7"	1/8"	7/8"	08-H 702	A-24	8,600	25	100
9"	1/8"	7/8"	08-H 902	A-24	6,600	25	100

1/4" TYPE 27S

SPIN-ON



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-K 450	A-20	13,300	20	80
5"	1/4"	5/8"-11	08-K 500	A-20	12,200	20	80

Always use with flange 30-B 057 listed on page 159.



1/4" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-H 450	A-24	13,300	25	100
5"	1/4"	7/8"	08-H 500	A-24	12,200	25	100
6"	1/4"	7/8"	08-H 600	A-24	10,200	25	100
7"	1/4"	7/8"	08-H 700	A-24	8,600	25	50
9"	1/4"	7/8"	08-H 900	A-24	6,600	25	50



1/4" TYPE 28

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn
7"	1/4"	7/8"	08-K 701	A-24-HPS	8,600	25	50
9"	1/4"	7/8"	08-K 901	A-24-HPS	6,600	25	50



GET DOUBLE THE LIFE OF YOUR HP XX WHEELS WHEN COMBINED WITH THE PRO 5 GRINDER!

See page 173

All 7" × 1/8", 7" × 1/4", 9" × 1/8" and 9" × 1/4" depressed center wheels are available with threaded hubs 5/8"-11 mounted.

Order numbers for mounted wheels are 5-numbers higher.

For example:

08-B 712 + 5 = 08-B 717 = 7" × 1/8" × 5/8"-11 A-30-COMBO cutting/grinding wheel.

Std. Pkg.: 10.



1/8" cutting and light grinding:

- ▷ High performance cutting and intermittent light grinding
- ▷ Maintain a superior cutting edge



1/4" grinding:

- ▷ Fast and easy changeover of wheel for minimum downtime
- ▷ High performance and superior control in the most demanding grinding applications





**WILL NOT
CONTAMINATE
STAINLESS STEEL**

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





STAINLESS™

Superior performance on stainless steel

When you need a wheel that is guaranteed not to contaminate stainless steel, this is the wheel for the job. These wheels do not contain any iron, sulfur or chlorine and are designed to hug the workpiece for controlled grinding and a smooth, high quality finish.





1/8" TYPE 27S    

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	5/8"-11	08-F 452	A-30	13,300	25	100
5"	1/8"	5/8"-11	08-F 502	A-30	12,200	25	100





1/8" TYPE 27    

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-F 462	A-30	13,300	25	200
5"	1/8"	7/8"	08-F 512	A-30	12,200	25	200
6"	1/8"	7/8"	08-F 602	A-30	10,200	25	100
7"	1/8"	7/8"	08-F 702	A-30	8,600	25	100
9"	1/8"	7/8"	08-F 902	A-30	6,600	25	100





Always use 1/8" wheels with flange 30-B 057.

1/4" TYPE 27S    

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-F 450	A-30	13,300	20	80
5"	1/4"	5/8"-11	08-F 500	A-30	12,200	20	80

1/4" TYPE 27    

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-F 460	A-30	13,300	25	100
5"	1/4"	7/8"	08-F 510	A-30	12,200	25	100
6"	1/4"	7/8"	08-F 600	A-30	10,200	25	100
7"	1/4"	7/8"	08-F 700	A-30	8,600	25	50
9"	1/4"	7/8"	08-F 900	A-30	6,600	25	50

1/4" TYPE 28S    

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-F 451	A-30	13,300	10	80
5"	1/4"	5/8"-11	08-F 501	A-30	12,200	10	80

Always use 1/4" wheels with flange 30-B 057.



NO CLOGGING IN ANY TYPE OF ALUMINUM

1/8" cutting and light grinding:

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

1/4" grinding:

- ▷ Fast removal rate and long wheel life
- ▷ Free of waxes and lubricants

ALU™

For use on aluminum and other soft metals

These wheels will not clog or glaze when working with aluminum or other non-ferrous metals. They are free of waxes and lubricants, so there is no need to clean the surface before welding or applying a surface coating, eliminating a time-consuming step in surface preparation.

1/8" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-L 452	A-24	13,300	25	200
5"	1/8"	7/8"	08-L 502	A-24	12,200	25	200
6"	1/8"	7/8"	08-L 602	A-24	10,200	25	100
7"	1/8"	7/8"	08-L 702	A-24	8,600	25	100
9"	1/8"	7/8"	08-L 902	A-24	6,600	25	100

1/4" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-L 450	A-24	13,300	25	100
5"	1/4"	7/8"	08-L 500	A-24	12,200	25	100
6"	1/4"	7/8"	08-L 600	A-24	10,200	25	100
7"	1/4"	7/8"	08-L 700	A-24	8,600	25	50
9"	1/4"	7/8"	08-L 900	A-24	6,600	25	50



- ▷ Fast and free cutting
- ▷ Formulated for cutting but may also be used for intermittent light grinding
- ▷ Excellent control in demanding applications
- ▷ Extra hard silicon carbide grain for fast material removal and long wheel life
- ▷ Superior performance in hard facing and cast iron

CONCRETE™

High performance grinding and cutting

These wheels have multiple high strength reinforcements and durable bond for extra safety in tough grinding and cutting applications. They are designed for fast material removal and smooth grinding and cutting of concrete, masonry, stone and other similar building materials.

1/8" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-D 452	C-24	13,300	25	200
5"	1/8"	7/8"	08-D 502	C-24	12,200	25	200
7"	1/8"	7/8"	08-D 702	C-24	8,600	25	100

1/4" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-E 450	C-24	13,300	25	100
5"	1/4"	7/8"	08-E 500	C-24	12,200	25	100
7"	1/4"	7/8"	08-E 700	C-24	8,600	25	50



- ▷ Thin for fast and free cutting and grooving
- ▷ Can also be used for cutting sheet metal

- ▷ Ideal for use with low power angle grinders
- ▷ Grind joint welds with ease
- ▷ Can be used for intermittent light grinding, facing and bevelling work

- ▷ Formulated for light grinding, cutting and notching



PIPEFITTER™

Designed for premium performance in pipeline construction

These wheels are specially formulated and reinforced for grinding the root pass and joint welds between passes in pipeline construction and pipe fabrication. They do not contain iron, sulfur or chlorine (Fe, S, Cl) and are guaranteed not to contaminate stainless steel.

3/32" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/32"	7/8"	08-N 453	A-36	13,300	25	200
5"	3/32"	7/8"	08-N 503	A-36	12,200	25	200
6"	3/32"	7/8"	08-N 603	A-36	10,200	25	100
7"	3/32"	7/8"	08-N 703	A-36	8,600	25	100

1/8" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-N 452	A-36	13,300	25	200
5"	1/8"	7/8"	08-N 502	A-36	12,200	25	200
6"	1/8"	7/8"	08-N 602	A-24	10,200	25	100
7"	1/8"	7/8"	08-N 702	A-24	8,600	25	100

5/32" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/32"	7/8"	08-N 454	A-36	13,300	25	200
5"	5/32"	7/8"	08-N 504	A-36	12,200	25	200
6"	5/32"	7/8"	08-N 604	A-20	10,200	25	100
7"	5/32"	7/8"	08-N 704	A-20	8,600	25	100
9"	5/32"	7/8"	08-N 904	A-20	6,600	25	100

TYPE 27S SPIN-ON



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
5"	3/32"	5/8"-11	08-N 533	A-36	12,200	25	200
6"	3/32"	5/8"-11	08-N 633	A-36	10,200	25	100
6"	5/32"	5/8"-11	08-N 634	A-20	10,200	25	100

Always use with flange 30-B 057.

HP CUP WHEELS

Walter HP Cup Wheels are designed for rough grinding or snagging work. Each wheel has a deeply anchored wrap-around steel hub for maximum safety and long life. A $\frac{5}{8}$ "-11 threaded arbor for SPIN-ON mounting reduces downtime for wheel changes and helps you finish your toughest grinding jobs faster.

TYPE 11



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4"	$\frac{5}{8}$ "-11	A-16	12-A 004	9,100	1	10
5"	$\frac{5}{8}$ "-11	A-16	12-A 005	7,260	1	10
6"	$\frac{5}{8}$ "-11	A-16	12-A 006	6,050	1	10



TYPE 11







Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4"	$\frac{5}{8}$ "-11	C-16	12-B 004	9,100	1	10
5"	$\frac{5}{8}$ "-11	C-16	12-B 005	7,260	1	10
6"	$\frac{5}{8}$ "-11	C-16	12-B 006	6,050	1	10

- ▷ For heavy-duty grinding
- ▷ Excellent wheel life
- ▷ Engineered for maximum operator safety

PLUGS AND CONES

Very popular in foundries, steel mills and fabricating shops for heavy stock removal in hard to reach areas. Each abrasive has an internal threaded arbor for direct mounting.



Shape	Dia.	Lenght	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
 16	1 1/2"	2 1/2"	$\frac{3}{8}$ "-24	ZA16	12-C 101	24,200	1	10
16	1 1/2"	3"	$\frac{5}{8}$ "-11	ZA16	12-C 111	24,200	1	10
16	2"	3"	$\frac{5}{8}$ "-11	ZA16	12-C 121	18,100	1	10
 17	1 1/2"	3"	$\frac{5}{8}$ "-11	ZA16	12-C 401	24,200	1	10
17	2"	4"	$\frac{5}{8}$ "-11	ZA16	12-C 421	18,100	1	10
 18	1"	2"	$\frac{3}{8}$ "-24	ZA16	12-C 301	36,200	1	10
18	1 1/2"	3"	$\frac{5}{8}$ "-11	ZA16	12-C 311	24,200	1	10
18	2"	3"	$\frac{5}{8}$ "-11	ZA16	12-C 321	18,100	1	10
 18R	1 1/2"	3"	$\frac{5}{8}$ "-11	ZA16	12-C 201	24,200	1	10
18R	2"	3"	$\frac{5}{8}$ "-11	ZA16	12-C 211	18,100	1	10
18R	3"	4"	$\frac{5}{8}$ "-11	ZA16	12-C 221	12,100	1	10



- ▷ For grinding, shaping, cleaning, blending and deburring of internal and external contours
- ▷ Fast material removal, long life



- ▷ For fitting, shaping, enlarging holes and finishing work in confined spaces
- ▷ For use on die grinders, point grinders, flexible shaft machines, etc.
- ▷ A complete line to address all your specific needs
- ▷ Faster removal AND longer lasting



MOUNTED POINTS

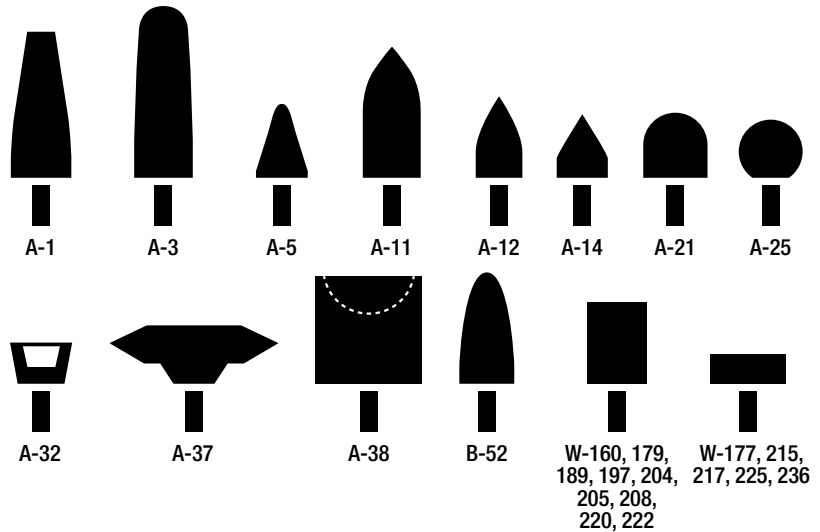
Versatile tools for fitting, shaping and enlarging holes

These mounted points are ideal for finishing work in confined spaces. They are made from the finest grade of abrasive grains, and each is perfectly balanced to minimize vibration.

Blue-grey for mild steel and cast iron

Orange for tool and high tensile steel

Resin bond for stainless steel



BLUE-GREY

Type	Dia.	Lenght	Shaft	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
A-1	3/4"	2 1/2"	1/4"	12-D 002	A36	19,800	1	10
A-3	1"	2 3/4"	1/4"	12-D 012	A36	16,100	1	10
A-5	3/4"	1 1/8"	1/4"	12-D 022	A36	45,000	1	10
A-11	7/8"	2"	1/4"	12-D 032	A36	19,800	1	10
A-12	1 1/16"	1 1/4"	1/4"	12-D 037	A36	48,000	1	10
A-14	1 1/16"	7/8"	1/4"	12-D 047	A36	48,000	1	10
A-21	1"	1"	1/4"	12-D 057	A36	34,500	1	10
A-25	1"	1"	1/4"	12-D 077	A36	35,600	1	10
A-32	1"	5/8"	1/4"	12-D 092	A36	38,200	1	10
A-38	1"	1"	1/4"	12-D 122	A36	34,500	1	10
B-52	3/8"	3/4"	1/8"	12-D 232	A36	45,370	1	10
B-52	3/8"	3/4"	1/4"	12-D 242	A36	45,370	1	10
W-179	3/8"	1 1/4"	1/4"	12-D 592	A36	45,750	1	10
W-197	5/8"	2"	1/4"	12-D 677	A36	21,000	1	10
W-205	3/4"	1"	1/4"	12-D 722	A36	34,500	1	10
W-217	1"	3/8"	1/4"	12-D 782	A36	38,200	1	10
W-220	1"	1"	1/4"	12-D 797	A36	25,500	1	10
W-222	1"	2"	1/4"	12-D 807	A36	15,900	1	10
W-225	1 1/4"	1/4"	1/4"	12-D 822	A36	30,560	1	10



Tech tip!

Use dressing stones to extend product life and allow mounted points or bench grinding wheels to cut faster and produce a better surface finish.

**ORANGE**

Type	Dia.	Lenght	Shaft	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
A-1	3/4"	2 1/2"	1/4"	12-D 001	A60	19,800	1	10
A-3	1"	2 3/4"	1/4"	12-D 011	A60	16,100	1	10
A-5	3/4"	1 1/8"	1/4"	12-D 021	A60	45,000	1	10
A-11	7/8"	2"	1/4"	12-D 031	A60	19,800	1	10
A-12	1 1/16"	1 1/4"	1/4"	12-D 036	A60	48,000	1	10
A-14	1 1/16"	7/8"	1/4"	12-D 046	A60	48,000	1	10
A-21	1"	1"	1/4"	12-D 056	A60	34,500	1	10
A-25	1"	1"	1/4"	12-D 076	A60	35,600	1	10
A-32	1"	5/8"	1/4"	12-D 091	A60	38,200	1	10
A-37	1 1/4"	1/4"	1/4"	12-D 116	A60	30,560	1	10
A-38	1"	1"	1/4"	12-D 121	A60	34,500	1	10
W-179	3/8"	1 1/4"	1/4"	12-D 591	A60	45,750	1	10
W-197	5/8"	2"	1/4"	12-D 676	A60	21,000	1	10
W-205	3/4"	1"	1/4"	12-D 721	A60	34,500	1	10
W-217	1"	3/8"	1/4"	12-D 781	A60	38,200	1	10
W-220	1"	1"	1/4"	12-D 796	A60	25,500	1	10
W-222	1"	2"	1/4"	12-D 806	A60	15,900	1	10
W-225	1 1/4"	1/4"	1/4"	12-D 821	A60	30,560	1	10

Accessories**Dressing stones**

Dimensions	Order No.	Std. Pkg.	Std. Ctn.
1" x 1" x 6"	12-D 900	1	10
1" x 1" x 8"	12-D 901	1	10

* Max. RPM listed are for 1/2" free shaft.

**RESIN BOND**

Type	Dia.	Lenght	Shaft	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
A-1	3/4"	2 1/2"	1/4"	12-D 003	A36	19,800	1	10
A-3	1"	2 3/4"	1/4"	12-D 013	A36	16,100	1	10
A-5	3/4"	1 1/8"	1/4"	12-D 023	A36	45,000	1	10
A-11	7/8"	2"	1/4"	12-D 033	A36	19,800	1	10
A-12	1 1/16"	1 1/4"	1/4"	12-D 038	A36	48,000	1	10
A-21	1"	1"	1/4"	12-D 058	A36	34,500	1	10
A-25	1"	1"	1/4"	12-D 078	A36	35,600	1	10
W-179	3/8"	1 1/4"	1/4"	12-D 593	A36	45,750	1	10
W-197	5/8"	2"	1/4"	12-D 678	A36	21,000	1	10
W-205	3/4"	1"	1/4"	12-D 723	A36	34,500	1	10
W-217	1"	3/8"	1/4"	12-D 783	A36	38,200	1	10
W-220	1"	1"	1/4"	12-D 798	A36	25,500	1	10
W-222	1"	2"	1/4"	12-D 808	A36	15,900	1	10

BENCH GRINDING WHEELS

Long lasting and dependable, our bench grinding wheels are perfect for general purpose sharpening, shaping or deburring on bench and pedestal grinders. All wheels are supplied with nested reducer bushings to fit on 1", 3/4", 5/8" and 1/2" shafts.



TYPE 1



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



TYPE 1



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

Accessories

Reducer bushings

Order No.

- Set 3/4" wide, from 1" to 3/4", 5/8" and 1/2" 12-E 006
- Set 1" wide, from 1" to 3/4", 5/8" and 1/2" 12-E 007
- Pair of bushings from 1" to 7/8" 12-E 008

Wheel dressers

Order No.

- Standard type  12-E 001
- Heavy-duty  12-E 002

Replacement wheels

Order No.

- Set for 12-E 001 12-E 004
- Set for 12-E 002 12-E 005

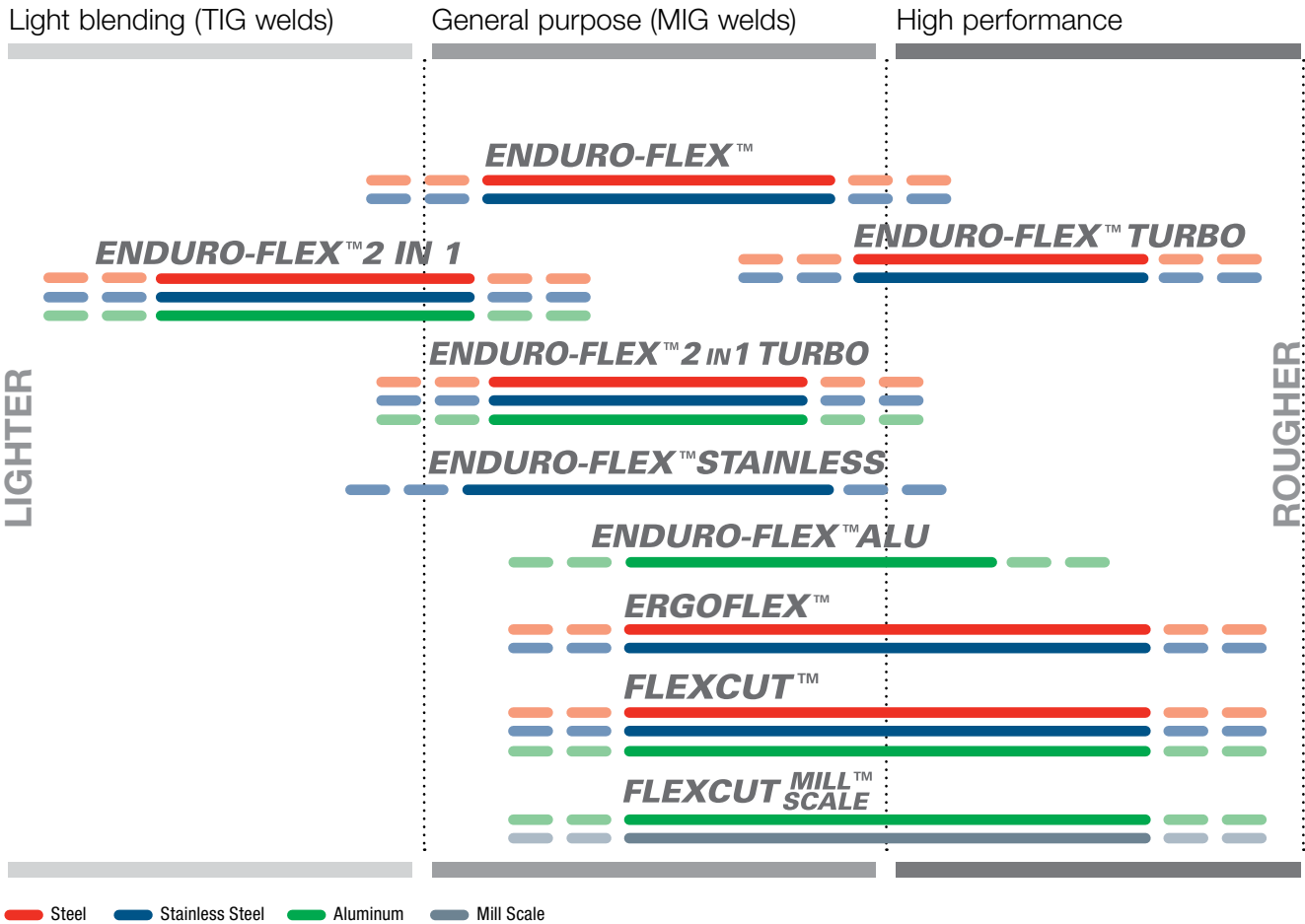
04

BLENDING



BLENDING PRODUCTS AT A GLANCE

RECOMMENDED BY TYPE OF USAGE



Our **Enduro-Flex** flap discs feature trimmable backings made with our proprietary ECO-TRIM wood fiber backing material. When the flaps wear down to the outer diameter of the backing, trim away 1/4" of the backing at a time (up to three times total) to expose fresh abrasive grain, extending disc life and giving you a fresh new cutting edge.



* Results based on a 5" Enduro-Flex used on steel.

* Trimmed once

* Trimmed twice



ENDURO-FLEX™

The longest life and highest overall material removal in the industry

ENDURO-FLEX™ outperforms all competitive flap discs thanks to its innovative design and exclusive abrasive grain blend. Featuring an ECO-TRIM™ backing that can be trimmed back to extend disc life, ENDURO-FLEX™ is the longest lasting flap disc in the industry and removes more material than any competitive flap disc. Your employees will spend more time getting the job done and less time making trips to the tool crib, saving you time and money while maximizing your productivity.

THE LONGEST LIFE FLAP DISC ON THE MARKET



- ▷ Longest lasting flap disc on the market
- ▷ Highest overall material removal in the industry
- ▷ New Eco-Trim backing is easier to trim and environmentally friendly
- ▷ Remove welds and finish surfaces in one step
- ▷ Quiet, vibration-free grinding
- ▷ Lightweight

INCREASE YOUR REMOVAL RATE BY A MINIMUM OF 25% BY COMBINING YOUR ENDURO-FLEX TURBO™ WITH THE PRO 5 OR BIG 6 GRINDER!

See pages 173 and 174.



 **YouTube**

Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

Accessory

ENDURO-FLEX trimming tool
Order No. 06-B 901



TYPE 27S **SPIN-ON**



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	40	06-B 454	13,300	10	40
4 1/2"	5/8"-11	60	06-B 456	13,300	10	40
4 1/2"	5/8"-11	80	06-B 458	13,300	10	40
4 1/2"	5/8"-11	120	06-B 462	13,300	10	40
5"	5/8"-11	40	06-B 504	12,200	10	40
5"	5/8"-11	60	06-B 506	12,200	10	40
5"	5/8"-11	80	06-B 508	12,200	10	40
5"	5/8"-11	120	06-B 512	12,200	10	40
6"	5/8"-11	40	06-B 604	10,200	10	40
6"	5/8"-11	60	06-B 606	10,200	10	40
6"	5/8"-11	80	06-B 608	10,200	10	40
6"	5/8"-11	120	06-B 612	10,200	10	40

Always use with flange 30-B 057.

TYPE 27



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

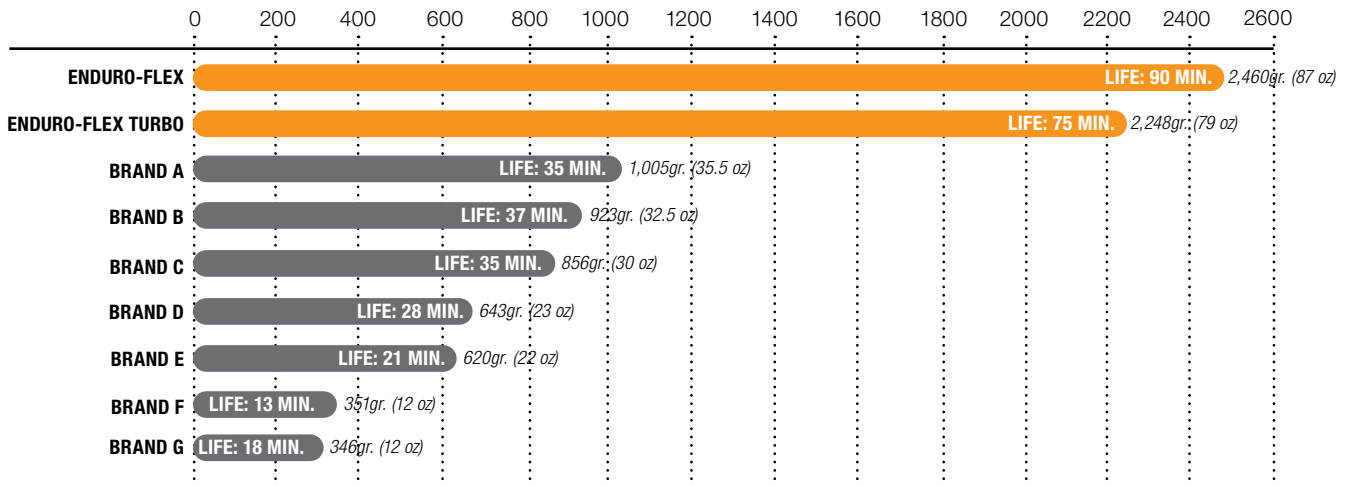
Always use with flange 30-B 057.

ENDURO-FLEX
THE LONGEST
LASTING
FLAP DISCS
ON THE
MARKET



ENDURO-FLEX
COMPARISON TEST BETWEEN 5" FLAP DISCS, GRIT 40

Tests were done using the PRO 5 grinder
Total quantity of grams (ounces) removed on steel



ENDURO-FLEX ALU™

High-performance flap disc for aluminum surfaces

Enduro-Flex ALU™ uses a superior zirconia alumina grain blend that is free of iron, sulfur and chlorine to achieve maximum results when blending on aluminum surfaces. It's built using a special coating for extra long life. Thanks to its high removal rates, and resistance to glaze buildup, Enduro-Flex ALU™ is the optimal choice for operators looking to enhance both quality and productivity when working with aluminum or other heat sensitive metals.



TYPE 27



Fe-S-Cl
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
7"	7/8"	40	15-U 704	8,600	10	40
7"	7/8"	60	15-U 706	8,600	10	40
7"	7/8"	80	15-U 708	8,600	10	40

Always use with flange 30-B 057.

- ▷ Specially formulated for performance and productivity on aluminum surfaces
- ▷ Special coating prevents load up and glazing and extends disc life
- ▷ Eco-Trim™ trimmable backing extends disc life by up to 3 times

TYPE 27S



SPIN-ON



Fe-S-Cl
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4-1/2"	5/8"-11	40	06-U 454	13,300	10	40
4-1/2"	5/8"-11	60	06-U 456	13,300	10	40
4-1/2"	5/8"-11	80	06-U 458	13,300	10	40
5"	5/8"-11	40	06-U 504	12,200	10	40
5"	5/8"-11	60	06-U 506	12,200	10	40
5"	5/8"-11	80	06-U 508	12,200	10	40
6"	5/8"-11	40	06-U 604	10,200	10	40
6"	5/8"-11	60	06-U 606	10,200	10	40
6"	5/8"-11	80	06-U 608	10,200	10	40

Always use with flange 30-B 057.






ENDURO-FLEX™ STAINLESS

Guaranteed not to contaminate stainless steel

ENDURO-FLEX™ Stainless offers all the benefits of the standard ENDURO-FLEX™ with a formula free of iron, sulfur and chlorine to meet quality control objectives in sensitive operations. ENDURO-FLEX™ Stainless is the flap disc of choice for workers nationwide for blending applications on stainless steel and other heat sensitive alloys.




CONSISTENT FINISH
WITHOUT DISCOLORATION



TYPE 27S  **SPIN-ON**  

Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8" -11	40	06-F 454	13,300	10	40
4 1/2"	5/8" -11	60	06-F 456	13,300	10	40
4 1/2"	5/8" -11	80	06-F 458	13,300	10	40
4 1/2"	5/8" -11	120	06-F 462	13,300	10	40
5"	5/8" -11	40	06-F 504	12,200	10	40
5"	5/8" -11	60	06-F 506	12,200	10	40
5"	5/8" -11	80	06-F 508	12,200	10	40
5"	5/8" -11	120	06-F 512	12,200	10	40
6"	5/8" -11	40	06-F 604	10,200	10	40
6"	5/8" -11	60	06-F 606	10,200	10	40
6"	5/8" -11	80	06-F 608	10,200	10	40
6"	5/8" -11	120	06-F 612	10,200	10	40

Always use with flange 30-B 057.

TYPE 27   

Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	40	15-Q 454	13,300	10	40
4 1/2"	7/8"	60	15-Q 456	13,300	10	40
4 1/2"	7/8"	80	15-Q 458	13,300	10	40
4 1/2"	7/8"	120	15-Q 462	13,300	10	40
5"	7/8"	40	15-Q 504	12,200	10	40
5"	7/8"	60	15-Q 506	12,200	10	40
5"	7/8"	80	15-Q 508	12,200	10	40
5"	7/8"	120	15-Q 512	12,200	10	40
7"	7/8"	40	15-Q 704	8,600	10	40
7"	7/8"	60	15-Q 706	8,600	10	40
7"	7/8"	80	15-Q 708	8,600	10	40
7"	7/8"	120	15-Q 712	8,600	10	40

Always use with flange 30-B 057.

- ▷ *Environmentally friendly*
- ▷ *Superior performance on all heat sensitive metals*
- ▷ *Will not load or glaze*
- ▷ *The coolest cutting action on stainless*
- ▷ *The fastest removal rate and best overall life on non-ferrous alloys*





ENDURO-FLEX 2-IN-1™ FINISHING DISC

One-step finishing

Enduro-Flex 2-in-1™ flap discs remove TIG welds and finish the surface in just one step, substantially reducing your finishing costs. Save time and reduce your inventory by using just one disc instead of two or more to perform the same job.

Long lasting

Developed to blend light TIG welds, break edges, blend and remove surface imperfections, oxidation, discoloration, etc. One Enduro-Flex 2-in-1™ disc will do the job of over twenty traditional discs while providing a smooth and consistent surface finish.

Tech tip!

SPEED To ensure the longest life and best performance, use at optimal speed of 4,000 to 6,000 RPM.

PRESSURE More pressure will increase removal rate while less pressure will improve the surface finish.

WORKING ANGLE For best performance, always use at a working angle of 4° to 10°. Never use flat.

▶ Allows operators to achieve a food grade finish

TYPE 27S		SPIN-ON		Steel Inox. Alu. + n.t. metals		
Dia.	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 ½"	5/8"-11	15-I 453	13,300	4,000 to 6,000	10	40
5"	5/8"-11	15-I 503	12,200	4,000 to 6,000	10	40



ENDURO-FLEX 2-IN-1™ TURBO FINISHING DISC

The most versatile and fastest finishing disc on the market

Achieving the ideal finish when blending welds has never been easier. With the new ENDURO-FLEX 2-in-1™ TURBO, remove material faster and get the finish you want in fewer steps. Designed for steel, stainless steel and aluminum, the ENDURO-FLEX 2-in-1™ TURBO provides unmatched versatility. Incorporating Walter's Cyclone™ Technology and high-tech Blendex™ Technology, the result is a smooth finish and product life that is simply unsurpassed.

Sanding flaps

- ▶ Special low heat generating top coat
- ▶ Non-loading
- ▶ High removal rate



BLENDEX flaps

- ▶ Combination that gives great performance on aluminum
- ▶ Non-woven material, will not smear or contaminate the workpiece
- ▶ Tear resistant for longest life



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

TYPE 27S		SPIN-ON		Steel Inox. Alu. + n.t. metals		
Dia.	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 ½"	5/8"-11	15-I 451	13,300	4,000 to 6,000	10	40
5"	5/8"-11	15-I 501	12,200	4,000 to 6,000	10	40

Always use with flange 30-B 057.

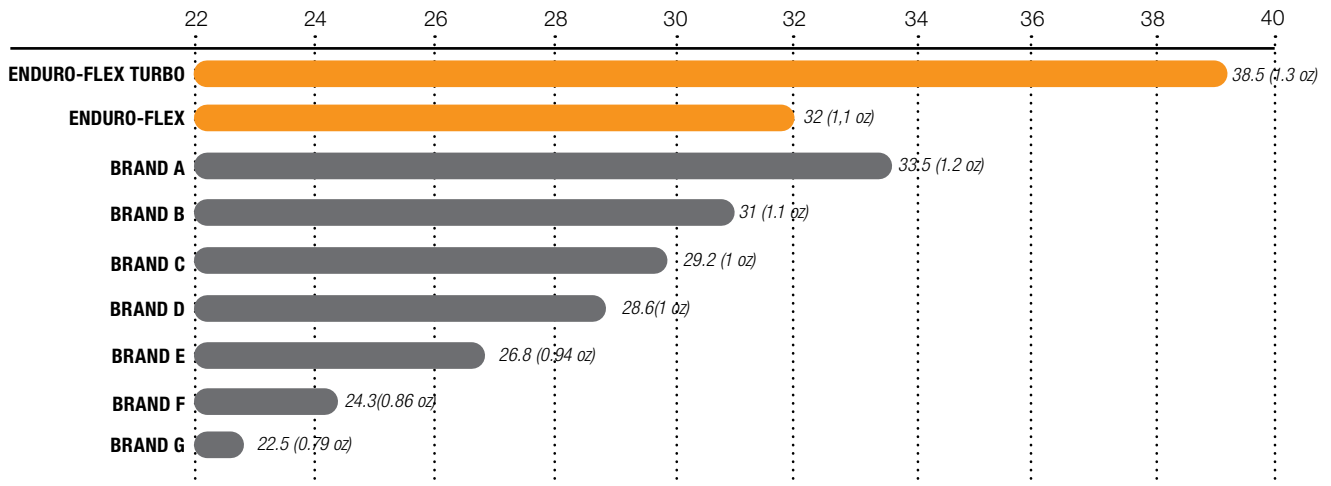


ENDURO-FLEX
TURBO

THE FASTEST
FLAP DISCS
ON THE
MARKET

ENDURO-FLEX TURBO COMPARISON TESTS BETWEEN 5" FLAP DISCS

Tests were done using the PRO 5 grinder
Removal rate on steel - gr. (oz.)/min.





- ▷ Exclusive flap configuration and Cyclone™ Technology for ultra fast metal removal
- ▷ Turbofan™ Cooling keeps the workpiece cooler for longer disc life
- ▷ Guaranteed cost savings!

INCREASE YOUR REMOVAL RATE BY A MINIMUM OF 30% BY COMBINING YOUR ENDURO-FLEX TURBO WITH THE PRO 5 OR BIG 6 GRINDER!

See pages 173 and 174.



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

ENDURO-FLEX TURBO™

The fastest cutting flap disc on the market

If time is money, then ENDURO-FLEX TURBO is worth its weight in gold. This extremely aggressive flap disc removes material like a 36 grit but leaves a 60 grit, paint-ready finish, saving you a valuable step in the finishing process. The innovative backing design allows air to cool the workpiece, increasing product life and minimizing heat transfer to the surface. Whether you are working with steel or stainless steel, ENDURO-FLEX TURBO will help you blend welds and break edges faster, guaranteed.

**HIGHEST
REMOVAL RATE
IN THE INDUSTRY**

TYPE 27S



Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	06-A 452	36/60	13,300	10	40
N 4 1/2"	5/8"-11 metal hub	06-A 457	36/60	13,300	10	40
N 4 1/2"	5/8"-11	06-A 458	80	13,300	10	40
5"	5/8"-11	06-A 502	36/60	12,000	10	40
N 5"	5/8"-11	06-A 508	80	12,200	10	40
6"	5/8"-11	06-A 602	36/60	10,200	10	40
N 7"	5/8"-11 metal hub	06-A 707	36/60	8,600	10	40

Always use with flange 30-B 057.

TYPE 27



Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	06-A 462	36/60	13,300	10	40
5"	7/8"	06-A 512	36/60	12,200	10	40
7"	7/8"	06-A 712	36/60	8,600	10	40

Always use with flange 30-B 057.



ERGOFLEX™

When employee safety and ergonomics are top priorities

ERGOFLEX™ is an abrasive that combines our proprietary Cyclone™ Technology grain blend with a Type 29 disc design to provide a solution for professionals looking to maximize workplace safety and ergonomics without sacrificing productivity. These wheels allow for a more comfortable working angle than Type 27 depressed center grinding wheels while minimizing the amount of noise and dust created during weld blending operations. The aggressive 36 grit abrasive grain blend also removes material quickly, allowing you to strike a perfect balance between comfort, safety and productivity.

- ▷ **Advanced Cyclone™ Technology abrasive grain blend removes material fast for improved productivity**
- ▷ **Designed for extremely smooth, comfortable blending of both flat and curved surfaces**
- ▷ **Reduces the amount of dust generated by 95% compared to traditional grinding wheels**
- ▷ **Reduces the level of noise generated by 50% compared to a traditional grinding wheel**
- ▷ **Less risk of gouging compared to traditional grinding wheels**



TYPE 29



Fe-S-Cr
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	36	15-T 453	13,300	25	200
4 1/2"	7/8"	60	15-T 456	13,300	25	200
4 1/2"	7/8"	80	15-T 458	13,300	25	200
5"	7/8"	36	15-T 503	12,200	25	200
5"	7/8"	60	15-T 506	13,000	25	200
5"	7/8"	80	15-T 508	13,000	25	200
6"	7/8"	36	15-T 603	10,200	25	100
6"	7/8"	60	15-T 606	10,200	25	100
6"	7/8"	80	15-T 608	10,200	25	100
7"	7/8"	36	15-T 703	8,600	25	100
7"	7/8"	60	15-T 706	8,600	25	100
7"	7/8"	80	15-T 708	8,600	25	100

Always use with flange 30-B 030.

Tech tip!

Use with backing flange set 30-B 030 for best results. (Each pack of 25 comes with one backing flange set for your convenience)



30-B 030



30-B 031

Accessories

Backing flange set	Order No. 30-B 030
Ergoflange 1/4" (6 mm) Pack of 5	Order No. 30-B 031

FLEXCUT™

Premium performance on curved or uneven surfaces

FLEXCUT™, the leading flexible grinding wheel for over 25 years, is specially formulated to deliver superior removal on all ferrous and non-ferrous metals without clogging or loading.



TYPE 29



Fe-S-CI
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
3"	3/8"	A-36-X-FLEX	15-L 303	* 20,400	25	200
3"	3/8"	A-60-X-FLEX	15-L 306	* 20,400	25	200
4 1/2"	7/8"	A-36-X-FLEX	15-L 463	13,300	25	200
5"	7/8"	A-36-X-FLEX	15-L 513	12,200	25	200
5"	7/8"	A-60-X-FLEX	15-L 516	12,200	25	200
7"	7/8"	A-24-X-FLEX	15-L 702	8,600	25	100
7"	7/8"	A-36-X-FLEX	15-L 703	8,600	25	100
7"	7/8"	A-60-X-FLEX	15-L 706	8,600	25	100
7"	7/8"	A-100-X-FLEX	15-L 710	8,600	25	100

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

Always use SPIN-ON wheels with flange 30-B 057.

BLENDERS IN PERFECTLY
ON UNEVEN SURFACES
AND WILL NEVER CLOG
ON ALUMINUM



TYPE 29S



SPIN-ON



Fe-S-CI
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	A-36-X-FLEX	15-L 453	13,300	25	100
4 1/2"	5/8"-11	A-60-X-FLEX	15-L 456	13,300	25	100
4 1/2"	5/8"-11	A-100-X-FLEX	15-L 460	13,300	25	200
5"	5/8"-11	A-36-X-FLEX	15-L 503	12,200	25	100
5"	5/8"-11	A-60-X-FLEX	15-L 506	12,200	25	100
5"	5/8"-11	A-100-X-FLEX	15-L 510	12,200	25	200
6"	5/8"-11	A-24-X-FLEX	15-L 602	10,200	25	200
6"	5/8"-11	A-36-X-FLEX	15-L 603	10,200	25	200
6"	5/8"-11	A-60-X-FLEX	15-L 606	10,200	25	200

Deep Diamond-Cut™ pattern and optimized formulation offer:

- ▷ **More flexibility**
- ▷ **Best handling on flat and curved surfaces**
- ▷ **Cooler grinding**
- ▷ **Better stock removal in all materials (steel, stainless steel, aluminum)**








Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

FLEXCUT MILL SCALE™

Quick, consistent removal of mill scale






Are you tired of changing out wheels every few minutes as they glaze over or clog during mill scale removal? FLEXCUT MILL SCALE™ is a flexible grinding wheel designed to last longer and remove mill scale quicker than any other abrasive. That's because FLEXCUT MILL SCALE™ is the first abrasive ever designed exclusively for the purpose of removing mill scale from hot rolled steel. Save time and quit throwing away wheels every few minutes. Switch to FLEXCUT MILL SCALE™ today for easy removal of mill scale and rust.



TYPE 29S  **SPIN-ON**    

Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	15-L 843	A-36-FLEX	13,300	25	100
5"	5/8"-11	15-L 853	A-36-FLEX	12,200	25	200
6"	5/8"-11	15-L 863	A-36-FLEX	10,200	25	100

Always use SPIN-ON wheels with flange 30-B 057.

TYPE 29     

Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
7"	7/8"	15-L 873	A-36-FLEX	8,600	25	100

- ▷ *Unique blend of highly refined abrasives allows ultra quick cutting action without glazing or clogging*
- ▷ *Open diamond cut pattern prevents clogging*
- ▷ *Extremely effective for heavily rusted plates, aluminum or galvanized metal and painted material*
- ▷ *Fe-free formulation – guaranteed not to contaminate aluminum*
- ▷ *Cool cutting action*



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



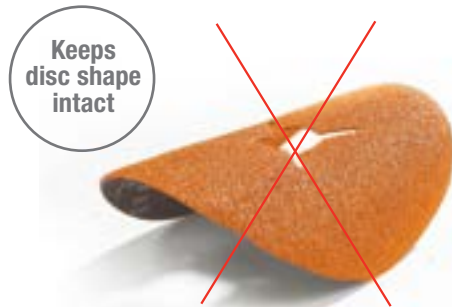
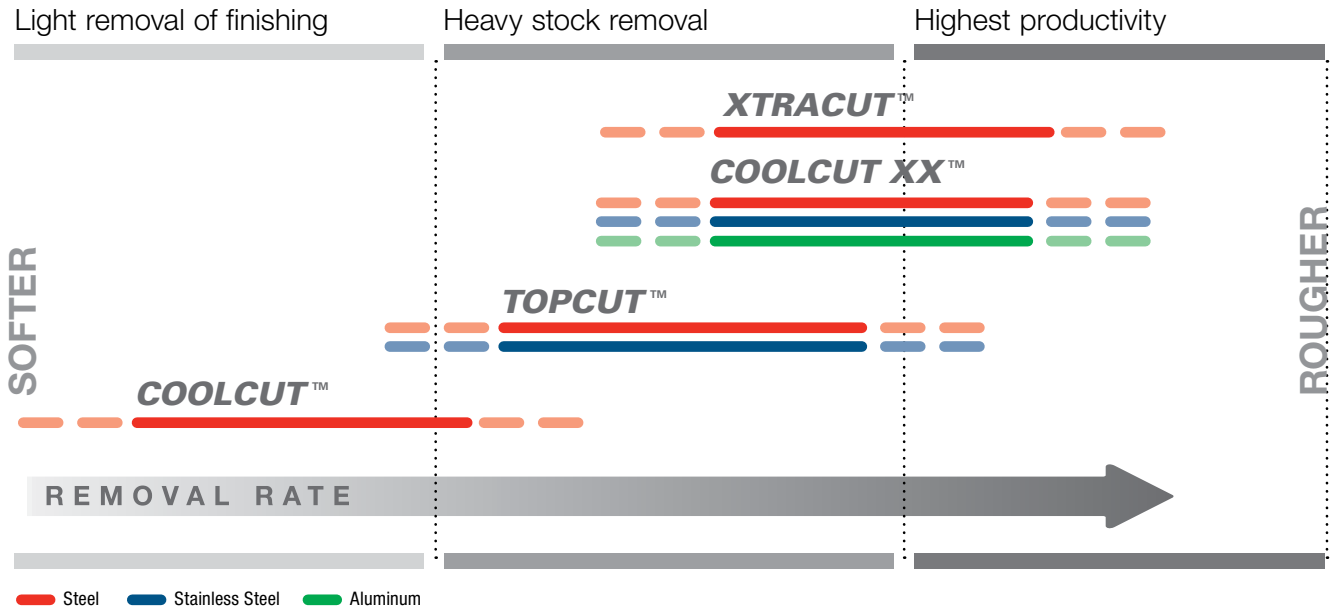
05

SANDING



SANDING PRODUCTS AT A GLANCE

RECOMMENDED BY TYPE OF USAGE



Unique packaging for optimal performance

- Best preservation of sanding disc with “Humidity Control” feature
- Shrink wrapped in quantities of 25 (2 x 25 discs) to keep discs’ shape intact
- Ensures the longest life, most aggressive removal rate and best overall performance

Exclusive packaging!

COOLCUT XX™ 50 packs

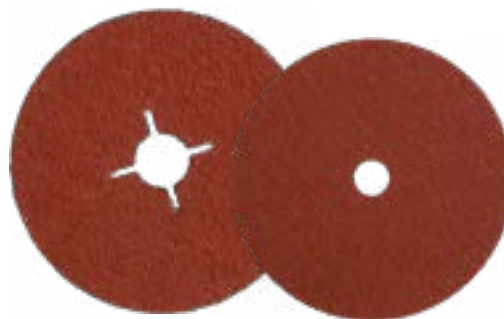
Packaging that makes sense

Select grits and sizes of COOLCUT XX™ are now available in 50 packs. These specially designed packages are humidity-controlled to better preserve the sanding discs, essentially keeping them “factory fresh” and ensuring you get the best life and performance. Discs are also shrink wrapped to minimize warping.

XTRACUT™ **NEW**

Highest performance sanding disc in steel

XTRACUT™ sanding discs are formulated with self-sharpening ceramic grains optimised to provide the highest performance in steel making the XTRACUT™ the fastest cutting sanding discs. With an extremely high stock removal and long service life in steel, these sanding discs are ideal to use in a steel production environment to improve the productivity and get cost savings.



HIGHEST PERFORMANCE SANDING DISC IN STEEL

- ▷ Highest performance sanding disc in steel
- ▷ Fastest cutting sanding disc in steel
- ▷ Optimised self-sharpening ceramic grain provides extremely high stock removal in steel
- ▷ Guaranteed cost savings in steel
- ▷ Extremely long service life
- ▷ Cooling agents to ensure cool cutting to prevent burning and distortion

Dia.	Arbor	Grit	Equivalent Grit	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	X-COARSE	36+	15-A 453	25	250
4 1/2"	7/8"	COARSE	60+	15-A 456	25	250
4 1/2"	7/8"	MEDIUM	80+	15-A 458	25	250
5"	7/8"	X-COARSE	36+	15-A 503	25	250
5"	7/8"	COARSE	60+	15-A 506	25	250
5"	7/8"	MEDIUM	80+	15-A 508	25	250
7"	7/8"	X-COARSE	36+	15-A 703	25	250
7"	7/8"	COARSE	60+	15-A 706	25	250
7"	7/8"	MEDIUM	80+	15-A 708	25	250

YouTube

Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork





- ▷ 6 times more total stock removal than aluminum oxide sanding discs
- ▷ 2 times faster cutting than aluminum oxide sanding discs
- ▷ Remove more material in less time, even when compared to some grinding wheels
- ▷ Provides a consistent surface finish, disc after disc
- ▷ Cooling agents ensure cool cutting to prevent burning and distortion

Tech tip!

Use with Turbo backing pads to reduce heat built-up and prolong disc life



YouTube

Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork



COOLCUT XX™

The longest lasting, most aggressive sanding discs

COOLCUT XX™ sanding discs are formulated with our exclusive Cyclone™ Technology abrasive grain blend to provide extremely aggressive material removal rates and the longest life in the industry. These discs allow you to remove more material faster while also lasting longer than traditional aluminum oxide or zirconia alumina sanding discs, making them ideal for use in a production environment.

REDUCE YOUR CYCLE TIME AND ELIMINATE BOTTLENECKS IN THE PRODUCTION PROCESS



Dia.	Arbor	Grit	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	24	15-X 452	25	250
4 1/2"	7/8"	36	15-X 453	25	250
4 1/2"	7/8"	50	15-X 455	25	250
4 1/2"	7/8"	60	15-X 456	25	250
4 1/2"	7/8"	80	15-X 458	25	250
4 1/2"	7/8"	100	15-X 460	25	250
4 1/2"	7/8"	120	15-X 462	25	250
5"	7/8"	24	15-X 502	25	250
5"	7/8"	36	15-X 503	25	250
5"	7/8"	50	15-X 505	25	250
5"	7/8"	60	15-X 506	25	250
5"	7/8"	80	15-X 508	25	250
5"	7/8"	100	15-X 510	25	250
5"	7/8"	120	15-X 512	25	250
6"	7/8"	24	15-X 602	25	250
6"	7/8"	36	15-X 603	25	250
6"	7/8"	50	15-X 605	25	250
6"	7/8"	60	15-X 606	25	250
6"	7/8"	80	15-X 608	25	250
6"	7/8"	100	15-X 610	25	250
6"	7/8"	120	15-X 612	25	250
7"	7/8"	24	15-X 702	25	250
7"	7/8"	36	15-X 703	25	250
7"	7/8"	50	15-X 705	25	250
7"	7/8"	60	15-X 706	25	250
7"	7/8"	80	15-X 708	25	250
7"	7/8"	100	15-X 710	25	250
7"	7/8"	120	15-X 712	25	250

COOLCUT XX™ 50 pack



Dia.	Arbor	Grit	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	36	15-X 453B	50	400
4 1/2"	7/8"	50	15-X 455B	50	400
4 1/2"	7/8"	60	15-X 456B	50	400
4 1/2"	7/8"	80	15-X 458B	50	400
5"	7/8"	36	15-X 503B	50	400
5"	7/8"	50	15-X 505B	50	400
5"	7/8"	60	15-X 506B	50	400
5"	7/8"	80	15-X 508B	50	400

COOLCUT XX™ QUICK-CHANGE

Now with SPIN-ON™ system

Our COOLCUT XX™ sanding discs are now available in a Quick-Change format for easier mounting and faster disc change outs. Use with new Quick-Change Turbo backing pads for the best results.



SPIN-ON



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	36	15-X 473	13,300	25	250
4 1/2"	5/8"-11	50	15-X 475	13,300	25	250
4 1/2"	5/8"-11	60	15-X 476	13,300	25	250
4 1/2"	5/8"-11	80	15-X 478	13,300	25	250
4 1/2"	5/8"-11	120	15-X 482	13,300	25	250
5"	5/8"-11	36	15-X 523	12,200	25	250
5"	5/8"-11	50	15-X 525	12,200	25	250
5"	5/8"-11	60	15-X 526	12,200	25	250
5"	5/8"-11	80	15-X 528	12,200	25	250
5"	5/8"-11	120	15-X 532	12,200	25	250
7"	5/8"-11	36	15-X 723	8,600	25	250
7"	5/8"-11	60	15-X 726	8,600	25	250
7"	5/8"-11	80	15-X 728	8,600	25	250
7"	5/8"-11	120	15-X 732	8,600	25	250

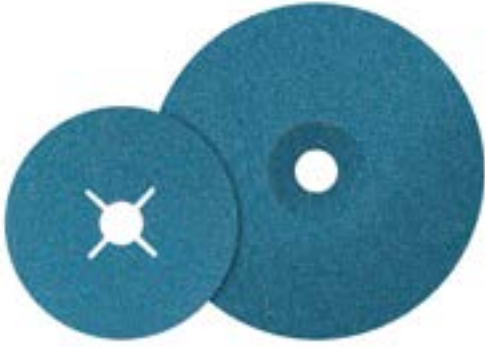
Tech tip!

Use with new Turbo Quick-Change backing pads for 5/8"-11 threading

New Quick-Change format allows you to save time on disc changes, significantly reducing lost time and associated labor costs over the course of the work day!

**EASIER MOUNTING
AND FASTER DISC
CHANGE OUTS**





TOPCUT™

Aggressive removal rate and extended disc life

TOPCUT™ sanding discs now remove material 50% faster than before, with a longer working life to help you maximize the efficiency of your production process. Designed using longer lasting abrasive grains, TOPCUT™ is ideal for finishing applications on stainless steel and can improve your stock removal in more aggressive applications. Cooler sanding also guarantees your metal will not overheat, helping to preserve it and resulting in a higher quality finished product.



- ▷ *Highest performance zirconia alumina sanding disc*
- ▷ *Highest total removal in the industry for a zirconia alumina disc*
- ▷ *Fast removal rate with cooler cutting to reduce heat generation and prevent warping or discoloration*
- ▷ *The ideal option for use on heat sensitive metals*

Dia.	Arbor	Grit	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	24	15-P 452	25	250
4 1/2"	7/8"	36	15-P 453	25	250
4 1/2"	7/8"	60	15-P 456	25	250
4 1/2"	7/8"	80	15-P 458	25	250
5"	7/8"	24	15-P 502	25	250
5"	7/8"	36	15-P 503	25	250
5"	7/8"	60	15-P 506	25	250
5"	7/8"	80	15-P 508	25	250
7"	7/8"	24	15-P 702	25	250
7"	7/8"	36	15-P 703	25	250
7"	7/8"	60	15-P 706	25	250
7"	7/8"	80	15-P 708	25	250



COOLCUT™

General purpose sanding

COOLCUT™ is an economical solution for weld blending and finishing on steel surfaces.



Dia.	Arbor	Grit	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	24	15-C 452	25	250
4 1/2"	7/8"	36	15-C 453	25	250
4 1/2"	7/8"	40	15-C 454	25	250
4 1/2"	7/8"	50	15-C 455	25	250
4 1/2"	7/8"	60	15-C 456	25	250
4 1/2"	7/8"	80	15-C 458	25	250
4 1/2"	7/8"	100	15-C 460	25	250
4 1/2"	7/8"	120	15-C 462	25	250
5"	7/8"	24	15-C 502	25	250
5"	7/8"	36	15-C 503	25	250
5"	7/8"	40	15-C 504	25	250
5"	7/8"	50	15-C 505	25	250
5"	7/8"	60	15-C 506	25	250
5"	7/8"	80	15-C 508	25	250
5"	7/8"	100	15-C 510	25	250
5"	7/8"	120	15-C 512	25	250
7"	7/8"	24	15-C 702	25	250
7"	7/8"	36	15-C 703	25	250
7"	7/8"	40	15-C 704	25	250
7"	7/8"	50	15-C 705	25	250
7"	7/8"	60	15-C 706	25	250
7"	7/8"	80	15-C 708	25	250
7"	7/8"	100	15-C 710	25	250
7"	7/8"	120	15-C 712	25	250



- ▷ Premium aluminum oxide abrasive grain blend
- ▷ High removal rate, cool cutting
- ▷ Most economical choice for finishing applications on steel
- ▷ The greatest selection of grit sizes of any Walter sanding disc



Tech tip!

Use COOLCUT sanding discs with an orange backing pad to achieve a consistent scratch pattern for finishing operations.



- ▷ High quality impact resistant plastic with maximum flexibility



- ▷ Hard black pad, for weld blending and high stock removal
- ▷ Excellent heat dissipation for longer life
- ▷ Recommended for grit 50 and coarser



- ▷ Soft white pad, extra flexible for surface finishing where a wider contact area is required
- ▷ Excellent heat dissipation for longer life
- ▷ Recommended for grit 60 and finer
- ▷ New nut – easier to tighten by hand

BACKING PADS

BACKING PAD ASSEMBLIES



Dia.	Arbor	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4"	M10 × 1.25	15-D 030	15,000	1	10
4"	5/8"-24	15-D 035	15,000	1	10
4 1/2"	5/8"-11	15-D 044	13,300	1	10
5"	5/8"-11	15-D 054	12,200	1	10
6"	5/8"-11	15-D 064	10,200	1	10
7"	5/8"-11	15-D 027	8,600	1	10

TURBO BACKING PAD ASSEMBLIES (Black and white)

Special saucer shaped backing pad with ribbed backing, ensures a continuous stream of air between pad and disc for cool operation and long disc life. The ideal choice for COOLCUT XX™.



Dia.	Arbor	Color	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	Black	15-M 044	13,300	1	10
4 1/2"	5/8"-11	White	15-M 045	13,300	1	10
5"	5/8"-11	Black	15-M 054	12,200	1	10
5"	5/8"-11	White	15-M 055	12,200	1	10
6"	5/8"-11	Black	15-M 064	10,200	1	10
6"	5/8"-11	White	15-M 065	10,200	1	10
7"	5/8"-11	Black	15-M 007	8,600	1	10
7"	5/8"-11	White	15-M 008	8,600	1	10

BACKING PADS

TURBO QUICK-CHANGE BACKING PADS (Black and white)

Special saucer shaped backing pad with ribbed backing, ensures a continuous stream of air between pad and disc for cool operation and long disc life. The ideal choice for COOLCUT XX™ Quick-Change.



Dia.	Arbor	Color	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	Black	15-M 144	13,300	1	10
4 1/2"	5/8"-11	White	15-M 145	13,300	1	10
5"	5/8"-11	Black	15-M 154	12,200	1	10
5"	5/8"-11	White	15-M 155	12,200	1	10
7"	5/8"-11	Black	15-M 157	8,600	1	10
7"	5/8"-11	White	15-M 158	8,600	1	10



HIGH PERFORMANCE RUBBER BACKING PAD ASSEMBLIES

High performance rubber backing pad withstands pressure while providing superior flexibility.

NEW



Dia.	Arbor	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	15-D 144	13,300	1	10
5"	5/8"-11	15-D 154	12,200	1	10
7"	5/8"-11	15-D 127	8,600	1	10

- ▷ Optimal flexibility
- ▷ Withstands pressure

Accessories

Clamping nuts for rubber backing pad

For 4 1/2" and 5" rubber backing pads

Order No. 15-D 024

For 7" rubber backing pads

Order No. 15-H 025



Accessories

Steel flanges

Reducer from 1" to 5/8" spindle

Order No. 15-G 962



COOLCUT™ FLAP WHEELS

Excellent for weld blending and general finishing work. Mounted with a pair of flanges for use on straight shaft or bench grinders.



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
6 1/2"	1"	1"	60	15-G 206	5,200	1	10
6 1/2"	1"	1"	80	15-G 208	5,200	1	10
6 1/2"	1"	1"	120	15-G 212	5,200	1	10
6 1/2"	2"	1"	60	15-G 306	5,200	1	10
6 1/2"	2"	1"	80	15-G 308	5,200	1	10
6 1/2"	2"	1"	120	15-G 312	5,200	1	10



GRIT - FEPA EQUIVALENT

Medium	150
Fine	180
Extra fine	220
Extra fine, flexible	220
Polishing	360

TWO-IN-ONE™ FLAP WHEELS

Combine two steps in one. The TWO-IN-ONE™ Flap Wheels remove material nearly as fast as regular flap wheels while leaving a finer finish.



Dia.	Width	Shaft thread Arbor	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	1"	1/4"	Fine	15-E 124	12,000	8,400	1	10
2"	1"	1/4"	Extra fine	15-E 126	12,000	8,400	1	10
3"	1 3/4"	1/4"	Medium	15-E 162	8,000	5,600	1	10
3"	1 3/4"	1/4"	Fine	15-E 164	8,000	5,600	1	10
3"	1 3/4"	1/4"	Extra fine	15-E 166	8,000	5,600	1	10
3"	1 3/4"	1/4"	Extra fine, flex.	15-E 167	8,000	5,600	1	10
3"	1 3/4"	1/4" *	Polishing	15-E 168	8,000	5,600	1	10
3"	1 1/2"	1/4"-20	Medium	15-E 652	8,000	5,600	1	10
3"	1 1/2"	1/4"-20	Fine	15-E 654	8,000	5,600	1	10
3"	1 1/2"	1/4"-20	Extra fine	15-E 656	8,000	5,600	1	10
3"	1 1/2"	1/4"-20 *	Polishing	15-E 658	8,000	5,600	1	10
6"	1"	1 1/4"	Fine	15-E 295	3,600	2,500	1	10
6"	1"	1 1/4"	Extra fine	15-E 296	3,600	2,500	1	10

* BLENDEX non-woven material only.

Accessories

Reducer bushing

1" wide, from 1 1/4" to 1", 3/4", 5/8", 1/2".

Order No. 12-E 010



Mandrel for finishing wheels

Plastic, 8 mm shaft, self-expanding, flush mounting for 1" thick wheels

Order No. 07-C 003



COOLCUT™ FLAP WHEELS

High quality and a consistent finish

COOLCUT™ Flap Wheels are ideal for general purpose blending, shaping and deburring. They are made from the highest quality abrasive grains and are perfectly balanced to provide a uniform, grained satin finish. No matter the application, COOLCUT™ Flap Wheels provide consistently excellent results.

1/4" SHAFT



Dia.	Width	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
1"	3/8"	40	15-F 054	30,000	27,500	10	100
1"	3/8"	60	15-F 056	30,000	27,500	10	100
1"	3/8"	80	15-F 058	30,000	27,500	10	100
1"	3/8"	120	15-F 062	30,000	27,500	10	100
1"	1"	40	15-F 154	30,000	27,500	10	100
1"	1"	60	15-F 156	30,000	27,500	10	100
1"	1"	80	15-F 158	30,000	27,500	10	100
1"	1"	120	15-F 162	30,000	27,500	10	100
1 1/2"	3/8"	40	15-F 004	25,000	19,100	10	100
1 1/2"	3/8"	60	15-F 006	25,000	19,100	10	100
1 1/2"	3/8"	80	15-F 008	25,000	19,100	10	100
1 1/2"	3/8"	120	15-F 012	25,000	19,100	10	100
1 1/2"	1"	40	15-F 104	25,000	19,100	10	100
1 1/2"	1"	60	15-F 106	25,000	19,100	10	100
1 1/2"	1"	80	15-F 108	25,000	19,100	10	100
1 1/2"	1"	120	15-F 112	25,000	19,100	10	100
1 1/2"	1"	240	15-F 124	25,000	19,100	10	100
2 1/2"	1 1/2"	40	15-F 504	20,000	12,700	10	100
2 1/2"	1 1/2"	60	15-F 506	20,000	12,700	10	100
2 1/2"	1 1/2"	80	15-F 508	20,000	12,700	10	100
2 1/2"	1 1/2"	120	15-F 512	20,000	12,700	10	100
2 1/2"	1 1/2"	240	15-F 524	20,000	12,700	10	100
2"	3/8"	40	15-F 204	25,000	15,200	10	100
2"	3/8"	60	15-F 206	25,000	15,200	10	100
2"	3/8"	80	15-F 208	25,000	15,200	10	100
2"	3/8"	120	15-F 212	25,000	15,200	10	100
2"	1"	40	15-F 304	25,000	15,200	10	100
2"	1"	60	15-F 306	25,000	15,200	10	100
2"	1"	80	15-F 308	25,000	15,200	10	100
2"	1"	120	15-F 312	25,000	15,200	10	100
2"	1"	240	15-F 324	25,000	15,200	10	100
3"	1"	40	15-F 704	15,000	8,900	10	100
3"	1"	60	15-F 706	15,000	8,900	10	100
3"	1"	80	15-F 708	15,000	8,900	10	100
3"	1"	120	15-F 712	15,000	8,900	10	100
3"	1 1/2"	40	15-F 804	15,000	8,900	10	100
3"	1 1/2"	60	15-F 806	15,000	8,900	10	100
3"	1 1/2"	80	15-F 808	15,000	8,900	10	100
3"	1 1/2"	120	15-F 812	15,000	8,900	10	100
3"	1 1/2"	240	15-F 824	15,000	8,900	10	100
3"	2"	40	15-F 904	11,000	8,900	10	100
3"	2"	60	15-F 906	11,000	8,900	10	100
3"	2"	80	15-F 908	11,000	8,900	10	100
3"	2"	120	15-F 912	11,000	8,900	10	100





Hand pads:

- ▷ Pads are washable and can be reused
- ▷ Replace steel wool with no rusting, splintering or contamination of the workpiece



Rolls:

- ▷ Can easily be cut into strips of desired size
- ▷ For manual or machine operations
- ▷ Ideal for removing rust and corrosion

BLENDIX™ HAND FINISHING ABRASIVES

Flexible rolls and sheets for general purpose sanding, deburring, surface cleaning and finishing. They easily adapt to irregular surfaces making them indispensable in repair or maintenance applications.



HAND PADS

Size	Order No.	Color	Type	Std. Pkg.
6" × 9"	07-A 100	Maroon	Blending	60
6" × 9"	07-A 200	Grey	Finishing/Polishing	60
6" × 9"	07-A 300	Tan	Heavy-duty	60
6" × 9"	07-A 400	Green	General purpose	60
6" × 9"	07-A 500	White	Cleaning	60

Accessory

Hand pad holder

With molded hook pattern for positive pad holding and easy grip handle

3" × 6"

Order No. 07-A 001



ROLLS



Width	Length	Order No.	Color	Type	Std. Pkg.	Std. Ctn.
4"	30'	07-B 104	Maroon	Blending	1	10
4"	30'	07-B 204	Grey	Finishing/Polishing	1	10
4"	30'	07-B 304	Tan	Heavy-duty	1	10
4"	30'	07-B 404	Green	General purpose	1	10
4"	30'	07-B 504	White	Cleaning	1	10

Tech tip!

Use white hand pad (Order no.: 07-A 500) or roll (Order no.: 07-B 504) with SURFOX Pre-Weld to clean soiled surfaces.



SURFOX Pre-Weld
Order No. 54-A 083

COOLCUT™ SHOP ROLLS AND HAND SHEETS

COOLCUT™ cloth abrasives are made from fast-cutting aluminum oxide grain resin-bonded onto a wear-resistant high-quality cotton cloth backing for cool and effective cutting. Get through general sanding, light removal and deburring, surface cleaning and finishing fast.

SHOP ROLLS



Width	Length	Grit	Order No.	Std. Pkg.	Std. Ctn.
1"	50 yards	60	14-C 106	1	10
1"	50 yards	80	14-C 108	1	10
1"	50 yards	100	14-C 110	1	10
1"	50 yards	120	14-C 112	1	10
1"	50 yards	180	14-C 118	1	10
1"	50 yards	240	14-C 124	1	10
1"	50 yards	320	14-C 132	1	10
1 ½"	50 yards	60	14-C 206	1	10
1 ½"	50 yards	80	14-C 208	1	10
1 ½"	50 yards	100	14-C 210	1	10
1 ½"	50 yards	120	14-C 212	1	10
1 ½"	50 yards	180	14-C 218	1	10
1 ½"	50 yards	240	14-C 224	1	10
1 ½"	50 yards	320	14-C 232	1	10
2"	50 yards	60	14-C 306	1	10
2"	50 yards	80	14-C 308	1	10
2"	50 yards	100	14-C 310	1	10
2"	50 yards	120	14-C 312	1	10
2"	50 yards	180	14-C 318	1	10
2"	50 yards	240	14-C 324	1	10
2"	50 yards	320	14-C 332	1	10



- ▷ Premium J-weight cloth backing for long life and flexibility
- ▷ Ideal for use in maintenance shops, machine shops, manufacturing plants and more
- ▷ Safe for use on all metals

HAND SHEETS



Dimensions	Grit	Order No.	Std. Pkg.	Std. Ctn.
9" x 11"	40	14-A 904	25	250
9" x 11"	40	14-A 904A	5	250
9" x 11"	60	14-A 906	25	250
9" x 11"	60	14-A 906A	5	250
9" x 11"	80	14-A 908	25	250
9" x 11"	80	14-A 908A	5	250
9" x 11"	100	14-A 910	25	250
9" x 11"	100	14-A 910A	5	250
9" x 11"	120	14-A 912	25	250
9" x 11"	120	14-A 912A	5	250
9" x 11"	180	14-A 918	25	250
9" x 11"	180	14-A 918A	5	250
9" x 11"	240	14-A 924	25	250
9" x 11"	240	14-A 924A	25	250
9" x 11"	320	14-A 932	25	250
9" x 11"	320	14-A 932A	5	250
9" x 11"	Assorted pack.*	14-A 990A	5	250

* 2 x 14-A 932, 2 x 14-A 918, 1 x 14-A 906

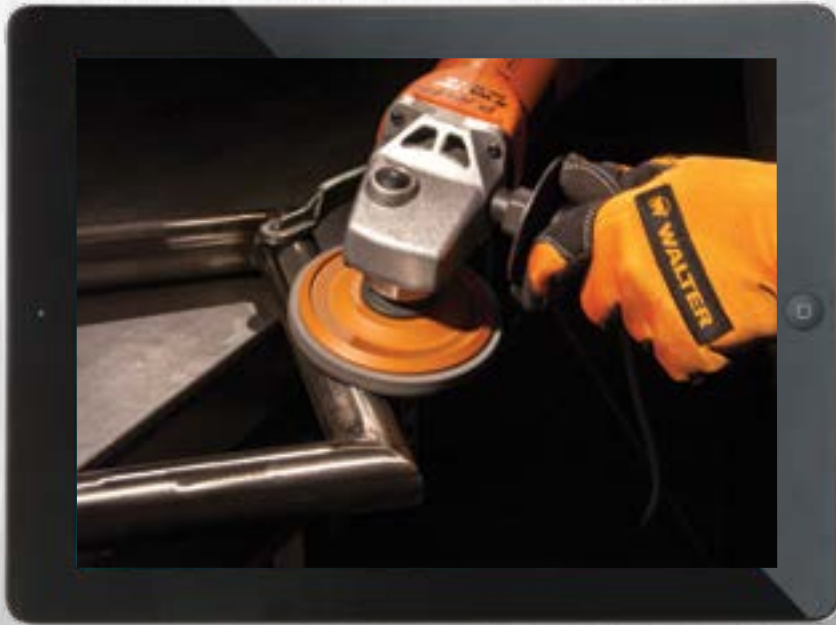


- ▷ Woven backing is extra tough but tears straight for easy sizing
- ▷ Wear resistant and high performing
- ▷ Long lasting and cool cutting

Visit The Walter Network for tips and shortcuts for the most common industrial finishes using WALTER products.

Visit www.youtube.com/thewalternetwork

Scroll through the Walter Academy playlist to see our library of videos that save you time and help you work better.



Looking to go from a fresh TIG weld to a #4 brushed finish on a flat stainless steel surface? We recommend:



Quick-Step Flex 5" Grit 120
no. 07-Q 512



Quick Step Blendex
4-1/2" medium No. 07-R 453



Two-in-one drum 4-1/2"
2" wide No. 07-K 322

Visit walter.com to see all our finishing products!

Learn how to achieve the most popular finishes starting from a MIG weld, TIG weld, 2B, mill finish, etc.

#4 sanitary brush
finish on stainless
steel video



www.walter.com

#4 brush
finish on stainless
steel video



www.walter.com

#8 mirror
finish on stainless
steel video



www.walter.com

Brushed finish on
structural aluminum
video



www.walter.com

Follow us on:



06

FINISHING



LINEAR SURFACE FINISHING SYSTEM



The Line-Mate linear surface finishing system

is the most versatile tool for applications that involve applying a linear scratch pattern. Line-Mate features a complete range of innovative abrasives designed to match any linear finish and reduce your finishing costs. Whether you work with stainless steel, aluminum, brass, copper or other alloys, Line-Mate allows you to achieve the desired finish quickly and with minimal effort.

This is the finish you get for each product if used on a 2B stainless steel surface.



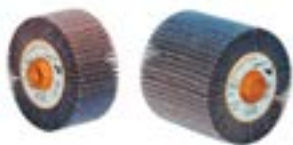
DRUMS	Product	Application	Product category	Type of finish	Pre-finishing	Coarse finish	Sanitary	Pharma	Light polish	Mirror finish
				Ra	(>60 μin)	(60-50 μin)	(40-25 μin)	(16-12 μin)	(8-4 μin)	(4-1 μin)
				Grit size						
	FX Drums @2000 RPM	Cleaning	07-L	Coarse						
	COOLCUT Flap Drums @2000 RPM	Graining	07-J	40						
				60						
				80						
				120						
	BLENDEX Drums @2000 RPM	Finishing	07-M	Coarse						
				Medium						
				Fine						
				Super Fine						
				Ultra Fine						
2-in-1 TURBO Drums @2000 RPM	Graining	07-K	60							
2-in-1 Drums @2000 RPM	Linear finishing	07-K	80							
Buffing Drums and polishing pastes @2000 RPM	Applying a mirror finish	07-T + paste	Instant Polish 1000-1500							
		07-T + paste	Ultimate Shine 2000-2500							

BELTS	Product	Application	Product category	Type of finish	Pre-finishing	Coarse finish	Sanitary	Pharma	Light polish	Mirror finish
				Ra	(>60 μin)	(60-50 μin)	(40-25 μin)	(16-12 μin)	(8-4 μin)	(4-1 μin)
				Grit size						
	Cloth Drum Belts @2000 RPM	Removing deep scratches (stock removal)	07-F	40						
				60						
				80						
				120						
Blendex Drum Belts @2000 RPM	Graining and finishing	07-H	Coarse							
			Medium							
			Fine							
			Super Fine							
High Polish Drum Belts, Instant Polish Drum Belts and polishing pastes	Applying a mirror finish	07-T + paste	Instant Polish 1000-1500							
		07-T + paste	Ultimate Shine 2000-2500							

LINE-MATE LINEAR SURFACE FINISHING SYSTEM

The professional choice for applying a linear finish

The Line-Mate III surface finishing system is the most versatile method for all applications where a linear scratch pattern is required. Whether you need to grind, sand, clean, buff or polish a metal surface, this system offers the most complete range of products to match the desired surface finish.



- ▷ Ideal for graining and light metal removal and as a first step in the finishing process
- ▷ Will give a consistent and uniform finish
- ▷ Will not load or glaze



- ▷ Combine two finishing steps into one: The coated abrasive cloth cuts aggressively while the interweaved BLENDEX flaps produce a satin linear finish



- ▷ Removes like a grinding belt while the interweaved BLENDEX flaps produce a #3 finish

COOLCUT™ FLAP DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/4"	2"	5/8"-11	40	07-J 424	3,800	1	10
4 1/4"	2"	5/8"-11	60	07-J 426	3,800	1	10
4 1/4"	2"	5/8"-11	80	07-J 428	3,800	1	10
4 1/4"	2"	5/8"-11	120	07-J 432	3,800	1	10
4 1/4"	4"	5/8"-11	40	07-J 444	3,800	1	10
4 1/4"	4"	5/8"-11	60	07-J 446	3,800	1	10
4 1/4"	4"	5/8"-11	80	07-J 448	3,800	1	10
4 1/4"	4"	5/8"-11	120	07-J 452	3,800	1	10

TWO-IN-ONE™ DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/4"	2"	5/8"-11	80	07-K 322	3,800	1	10
4 1/2"	2"	5/8"-11	80	07-K 422	3,800	1	10
4 1/4"	4"	5/8"-11	80	07-K 342	3,800	1	10
4 1/2"	4"	5/8"-11	80	07-K 442	3,800	1	10

TWO-IN-ONE™ TURBO DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	60	07-K 421	3,800	1	10
4 1/2"	4"	5/8"-11	60	07-K 441	3,800	1	10

BLENDEX™ DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/4"	2"	5/8"-11	Coarse	07-M 322	3,800	1	10
4 1/4"	2"	5/8"-11	Medium	07-M 323	3,800	1	10
4 1/4"	2"	5/8"-11	Fine	07-M 324	3,800	1	10
4 1/4"	4"	5/8"-11	Coarse	07-M 342	3,800	1	10
4 1/4"	4"	5/8"-11	Medium	07-M 343	3,800	1	10
4 1/4"	4"	5/8"-11	Fine	07-M 344	3,800	1	10
4 1/2"	2"	5/8"-11	Coarse	07-M 422	3,800	1	10
4 1/2"	2"	5/8"-11	Medium	07-M 423	3,800	1	10
4 1/2"	2"	5/8"-11	Fine	07-M 424	3,800	1	10
4 1/2"	2"	5/8"-11	Super fine	07-M 425	3,800	1	10
4 1/2"	4"	5/8"-11	Coarse	07-M 442 *	3,800	1	10
4 1/2"	4"	5/8"-11	Medium	07-M 443 *	3,800	1	10
4 1/2"	4"	5/8"-11	Fine	07-M 444	3,800	1	10
4 1/2"	4"	5/8"-11	Super fine	07-M 445	3,800	1	10
4 1/2"	4"	5/8"-11	Ultra fine	07-M 446 **	3,800	1	10

* 07-M 442 and 07-M 443: Now with "Perfect Brushed Finish" technology. Exclusive to Walter, this technology provides a shadow-free finish right from the start.

** Ultra-Fine HG (High Gloss) drums are ideal for enhancing and brightening existing finishes, taking out stains in metals and bringing out a new lustre in work surfaces.



▷ Can be used to polish, burnish, blend, deburr, clean and brighten stainless steel, aluminum, brass, copper and other alloys



▷ Blendex High Density (HD) drums are for demanding applications like deburring or working on outside corners as they are denser and have a longer life

BLENDEX HD™ DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	Coarse	07-M 411	3,800	1	10

INOX TAPE

Excellent for a perfect mitred corner finish

Length	Width	Thick.	Order No.	Std. Pkg.
16' 3/8"	1 3/64"	3/500"	07-T 100	1

▷ Thin stainless steel tape with adhesive strip
▷ Use only on cool surfaces



BUFFING DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 3/4"	2"	5/8"-11	Multi-ply cotton	07-T 425	3,800	1,700 to 2,200	1	10
4 3/4"	2"	5/8"-11	Fold cotton	07-T 427	3,800	1,700 to 2,200	1	10

Use with polishing pastes.



Harder multi-ply Softer fold

▷ Ideal for enhancing and brightening existing finishes, taking out stains in metals and bringing out a new lustre in work surfaces
▷ Use with polishing pastes for a mirror finish

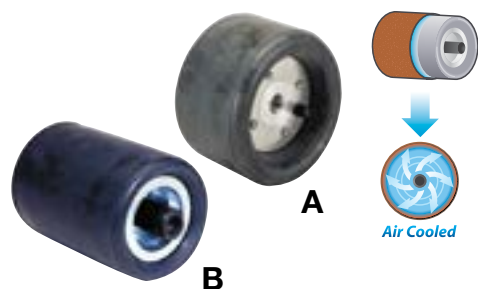
▷ Popular applications include upgrading of #4 finishes, polishing to a food grade finish, repairing minor scratches, etc.



HIGH POLISH DRUM BELTS

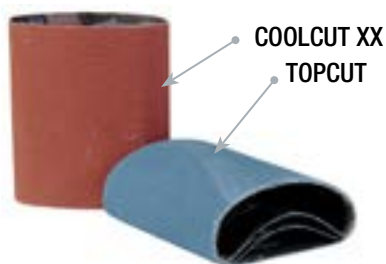


Width	Length	Dia.	Color	Order No.	Std. Pkg.	Std. Ctn.
5 3/8"	11 5/8"	3 1/2"	White	07-T 530	1	10
3 1/2"	15 1/2"	5"	Yellow	07-T 334	1	10
5 3/8"	11 5/8"	3 1/2"	Yellow	07-T 534	1	10



Put a cushion of air between your abrasives to:

- ▷ Eliminate edge cutting and swirl marks
- ▷ Increase sandpaper life by reducing heat build-up
- ▷ Allow more flexibility – conforms to curved surfaces



- ▷ Allows you to create or restore linear finishes, level off small welds, round corners, remove deep scratches, etc.
- ▷ Equipped with taped butt-joints for longer life and higher removal rates



- ▷ **Coarse:** For tough cleaning or removing rust and small scratches
- ▷ **Medium:** For conditioning and removing surface imperfections
- ▷ **Fine:** For fine surface refinements
- ▷ **Super fine:** Use to produce decorative finishes or as a last step before applying a mirror finish

PNEUMATIC DRUMS

Accessories

Photo	Width	Dia.	Arbor	Max. RPM	Order No.
A	3 1/2"	5"	5/8"-11	3,800	07-F 037*
B	5 3/8"	3 1/2"	5/8"-11	3,800	07-F 051

*MUST USE extension for pneumatic drum A

Replacement rubber bladder assemblies

3 1/2" x 5" (for drum A)	07-F 093
5 3/8" x 3 1/2" (for drum B)	07-F 095
Drum Inflator	07-F 014
Valve core for both drums	07-F 013

Rubber cleaning stick



Prolongs the life of drum belts by removing build-up

14-E 001

TOPCUT™ AND COOLCUT XX™ DRUM BELTS



Width	Length	Dia.	Grit	Order No.	Std. Pkg.	Std. Ctn.
3 1/2"	3 1/2"	5"	40 TOPCUT	07-F 364	5	100
3 1/2"	3 1/2"	5"	60 COOLCUT XX	07-F 366	5	100
3 1/2"	3 1/2"	5"	80 COOLCUT XX	07-F 368	5	100
3 1/2"	3 1/2"	5"	120 COOLCUT XX	07-F 371	5	100
5 3/8"	11 5/8"	3 1/2"	40 TOPCUT	07-F 504	5	100
5 3/8"	11 5/8"	3 1/2"	60 COOLCUT XX	07-F 506	5	100
5 3/8"	11 5/8"	3 1/2"	80 COOLCUT XX	07-F 508	5	100
5 3/8"	11 5/8"	3 1/2"	120 COOLCUT XX	07-F 511	5	100

BLENDEX™ DRUM BELTS



Width	Length	Dia.	Grit	Order No.	Std. Pkg.	Std. Ctn.
3 1/2"	15 1/2"	5"	Coarse	07-H 362	1	10
3 1/2"	15 1/2"	5"	Medium	07-H 363	1	10
3 1/2"	15 1/2"	5"	Fine	07-H 364	1	10
3 1/2"	15 1/2"	5"	Super fine	07-H 365	1	10
5 3/8"	11 5/8"	3 1/2"	Coarse	07-H 502	1	10
5 3/8"	11 5/8"	3 1/2"	Medium	07-H 503	1	10
5 3/8"	11 5/8"	3 1/2"	Fine	07-H 504	1	10
5 3/8"	11 5/8"	3 1/2"	Super fine	07-H 505	1	10



- ▷ Achieve a #8 mirror finish in just one step
- ▷ The polishing paste comes pre-applied on the belt
- ▷ Packed in a resealable bag that protects the belt from contaminants and drying



- ▷ Ideal for cleaning or finishing pipes, tubes and railings
- ▷ Produces a new sheen on tarnished pipes
- ▷ T-Lock allows quick and easy access when finishing closed loop workpieces

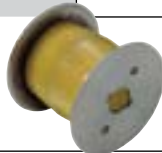


Accessory

Belt drive roller

3 1/4" x 2 3/4" x 5/8"-11

Order No. 07-F 002



- ▷ Allows you to use T-Lock belts with the Line-Mate III tool for finishing pipes, tubing and railing



INSTANT POLISH™ DRUM BELTS

One-step solution for achieving a #8 mirror finish



Width	Length	Dia.	Order No.	Std. Pkg.	Std. Ctn.
3 1/2"	5 1/2"	5"	07-T 336	1	10
5 3/8"	11 5/8"	3 1/2"	07-T 536	1	10

BLENDEX™ T-LOCK BELTS



Width	Length	Grit	Color	Order No.	Std. Pkg.	Std. Ctn.
1 3/16"	24"	Coarse	Tan	07-H 242	3	48
1 3/16"	24"	Medium	Maroon	07-H 243	3	48
1 3/16"	24"	Fine	Blue	07-H 244	3	48
1 3/16"	24"	Super fine	Grey	07-H 245	3	48

T-LOCK POLISHING FELT BELT



Width	Length	Color	Order No.	Std. Pkg.	Std. Ctn.
1 3/16"	24"	White	07-T 225	3	48

Use with polishing paste.



HAND RAIL FINISHING KIT

Order No. 07-H 992

Includes:

- 1 belt drive roller (07-F 002)
- 4 BLENDEX strip belts:
 - 1 coarse (07-H 242)
 - 1 medium (07-H 243)
 - 1 fine (07-H 244),
 - 1 super fine (07-H 245).

FX™ FLEX DRUMS

Clean welds and finish the surface in one step

Use the new FX™ FLEX drum to easily clean TIG and MIG welds while leaving a fine #4 finish on your metal surfaces. This product is ideal for cleaning uneven surfaces like checker plate. FX™ FLEX drums are made with a lower density material which allows you to achieve a perfectly uniform fine #4 finish on your metal surfaces. Save time and replace multiple tools with just one with the new FX™ FLEX drums.



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	Flex coarse	07-L 422	3,800	1	10
4 1/2"	4"	5/8"-11	Flex coarse	07-L 442	3,800	1	10

FX™ DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	Coarse	07-L 420	3,800	1	10
4 1/2"	4"	5/8"-11	Coarse	07-L 440	3,800	1	10

FX™ DRUMS REVERSIBLE



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	4"	5/8"-11	Coarse	07-L 441	3,800	1	10

LINEAR CRIMPED BRUSHES



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

LINEAR CRIMPED BRUSHES



Dia.	Width	Arbor	Wire size	Wire type	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	.01"	S/S 304	13-M 464	4,000	1	10

LINE-MATE III™ SYSTEM

Linear finishing made easy

The Line-Mate III™ is a versatile variable speed tool that allows you to quickly and easily apply a wide range of linear finishes to metal surfaces. Its powerful motor will help you complete even the toughest jobs with ease. RPM remains constant under load for a consistent and uniform finish every time. When you have a project that requires a linear scratch pattern applied to the surface, trust Line-Mate to get the job done quickly and efficiently.

Includes:

- 1 Line-Mate III™ with standard equipment plus carrying case
- 1 pneumatic drum (07-F 051)
- 6 cloth drum belts (2 each grit: 60: 07-F 506, 80: 07-F 508 and 120: 07-F 511)
- 2 BLENDEX drum belts (Coarse: 07-H 502, medium: 07-H 503)
- 1 TWO-IN-ONE drum (4 1/4" x 4": 07-K 342)
- 1 BLENDEX drum (4 1/4" x 4" medium: 07-M 343)

Model	Order No.	Spindle RPM	Thread	Motor	Amps	Weight
6268 KIT	30-A 269	1,000–3,800	5/8"-11	120V A.C. only	12.4 A	16 lbs



- ▷ More flexible non woven mesh – cleans any uneven surface
- ▷ Clean TIG and MIG welds and leave a fine #4 finish
- ▷ Perfect on stainless steel



- ▷ Open web-like construction assures cool operation that resists loading
- ▷ Will strip paint with ease, remove rust and scale
- ▷ Firm coarse non-woven flaps for tough cleaning applications



- ▷ Reversible for uniform wear on uneven surfaces



- ▷ Perfect for a ready-to-paint finish
- ▷ Cleans large surfaces faster
- ▷ Provides a smooth linear finish
- ▷ The best solution to clean uneven surfaces

- ▷ Follows the direction of the grain
- ▷ The fastest way to clean oxidized and discolored welds



RAIL-MATE™

Remove welds and finish pipes, tubes and railings faster

The RAIL-MATE™ allows you to use our premium abrasive products in a new belt format to finish pipes, tubes and railings. This powerful finishing tool features variable speed settings so that you can tackle any job from blending welds or heavy stock removal all the way to polishing and finishing surfaces. Easily create a linear scratch pattern around the circumference of pipes, tubes and rails with RAIL-MATE™.

See page 181 for more details.



TACKLE ANY APPLICATION
FROM HEAVY STOCK
REMOVAL TO POLISHING

Benefits

- ▷ Allows you to quickly switch between abrasives to take time and cost out of finishing jobs
- ▷ Durable industrial tool that is built to last, saving you from having to replace your power tools every few months
- ▷ Designed to exceed all safety standards, creating a safer work environment

Features

- ▷ Dialspeed™ variable speed control allows you to quickly go from 1,600-3,200 RPM to tackle any application from heavy stock removal to polishing
- ▷ Powerful 1,200W industrial motor with Dynamax™ RPM monitoring to maintain constant RPM under load
- ▷ Soft Start™ technology helps to avoid kickback when starting the tool

Tech tip!

Use faster speeds for heavy stock removal and lower speeds for finishing.

Finish (roughness average) obtained when using each product on 2B stainless steel surface.



Product	Application	Product category	Type of finish	Pre-finishing	Coarse finish	Sanitary	Pharma	Light polish	Mirror finish
			Ra	(>60 μin)	(60-50 μin)	(40-25 μin)	(16-12 μin)	(8-4 μin)	(4-1 μin)
COOLCUT XX Drums	Blending	14-X	Grit size						
			40	■					
			60		■				
			80			■			
BLENDEX Belts	Surface conditioning	07-D	Coarse		■	■			
			Medium			■	■		
			Fine				■	■	
High Polish Belts	Mirror finishing	07-T + paste	Instant Polish 1000-1500					■	■
		07-T + paste	Ultimate Shine 2000-2500						■

COOLCUT XX BELTS

For heavy stock removal

These coated abrasive belts use our exclusive Cyclone™ Technology with a premium ceramic abrasive grain blend to provide an extremely aggressive removal rate and long working life. This means you can remove weld beads and finish surfaces faster, reducing cycle time and taking labor time and cost out of the operation.

COOLCUT XX RAIL-MATE BELTS



Width	Length	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
1 ½"	30"	40	14-X 154	3,200	2,900	5	100
1 ½"	30"	60	14-X 156	3,200	2,900	5	100
1 ½"	30"	80	14-X 158	3,200	2,900	5	100
1 ½"	30"	120	14-X 162	3,200	2,900	5	100

BLENDEX BELTS

For surface conditioning and removing fine scratches

Our proprietary BLENDEX belts outlast the competition and provide a consistent, uniform surface finish throughout the life of the belt. These non-woven belts excel at removing scratches and light corrosion or oxidation from stainless steel or aluminum tubes, rails or pipes.

BLENDEX RAIL-MATE BELTS



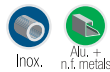
Width	Length	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
1 ½"	30"	Coarse	07-D 152	3,200	2,500	5	100
1 ½"	30"	Medium	07-D 153	3,200	2,500	5	100
1 ½"	30"	Fine	07-D 154	3,200	2,500	5	100

POLISHING BELTS

For applying a decorative or mirror finish

These durable belts are made of a special material that allows you to apply up to a #8 mirror finish with the use of our polishing pastes.

RAIL-MATE POLISHING BELTS



Width	Length	Color	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
1 ½"	30"	Yellow	07-T 220	3,200	1,600	5	20

POLISHING PASTES

For use with felt, high polish and instant polish discs



Name	Order No.	Weight	Grit	Std. Pkg.	Std. Ctn.
White paste	07-T 901	600 g	1200-1500	1	10
Blue paste	07-T 905	650 g	2000	1	10
Instant polish paste	07-T 907	1200 g	1000-1500	1	5
Ultimate Shine™ paste	07-T 909	1300 g	2000-2500	1	5



Benefits

- ▷ Reduce cycle time to take labor time and cost out of the job
- ▷ Long lasting performance to avoid frequent belt change outs and trips to the tool crib
- ▷ Consistent removal rate and surface finish throughout the life of the belt

Features

- ▷ Premium Cyclone™ Technology ceramic abrasive grain blend for the fastest removal and longest life in the industry
- ▷ Flexible cloth backing for any curved surface
- ▷ Guaranteed not to contaminate stainless steel (Fe-S-CL free)



Benefits

- ▷ Long lasting product that outlasts and outperforms the competition
- ▷ Quickly produces a new sheen on tarnished pipes
- ▷ Safe for use on all common metals and alloys

Features

- ▷ Non-woven design ensures consistent performance from start to finish
- ▷ Premium abrasive grain blend for maximum performance
- ▷ Will not clog or load on aluminum and other non-ferrous metals



Features

- ▷ Durable construction provides a long working life
- ▷ Extremely flexible to provide a superior surface finish



COATED ABRASIVE FILE BELTS

Walter offers a complete line of file belts for general purpose sanding, light weld removal, surface cleaning, blending, deburring and finishing of intricate shapes and profiles. An extra heavy-duty backing (Y-polyester) with a special butt-joint and glue ensure the longest belt life even in the most demanding applications.

- ▶ *Made with premium abrasive grain blends for fast material removal on all metal surfaces*
- ▶ *Excellent for contour and shape sanding applications requiring flexibility and fray resistance*



TOPCUT+

INOX+

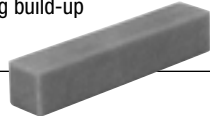
- ▶ *Made from top quality grain for sanding and finishing of stainless steel*
- ▶ *Leaves a smooth and bright surface finish*

Accessory

Rubber cleaning stick

Prolongs the life of drum belts by removing build-up

Order No. 14-E 001



NON-WOVEN ABRASIVE FILE BELTS

Assortment of non-woven abrasive file belts made with special reinforced nylon and abrasive grain to achieve a consistent and uniform finish. Conform to irregular surfaces with minimal smearing and discoloration of the workpiece.



- ▶ *Will not gouge or burn surfaces*
- ▶ *Specially formulated to resist loading and heat build-up*
- ▶ *Very flexible and suitable for edge finishing*
- ▶ *High performance butt joint eliminates breakage*

TOPCUT+ FILE BELTS



Width	Length	Grit	Order No.	Std. Pkg.	Std. Ctn.
1/2"	18"	36	14-D 033	25	200
1/2"	18"	60	14-D 036	25	200
1/2"	18"	80	14-D 038	25	200
1/2"	24"	36	14-D 053	25	200
1/2"	24"	60	14-D 056	25	200
1/2"	24"	80	14-D 058	25	200
3/4"	18"	36	14-D 103	25	200
3/4"	18"	60	14-D 106	25	200
3/4"	18"	80	14-D 108	25	200
3/4"	24"	36	14-D 123	25	200
3/4"	24"	60	14-D 126	25	200
3/4"	24"	80	14-D 128	25	200

INOX+ FILE BELTS



Width	Length	Grit	Order No.	Std. Pkg.	Std. Ctn.
1/2"	18"	36	14-B 033	25	200
1/2"	18"	60	14-B 036	25	200
1/2"	18"	80	14-B 038	25	200
1/2"	18"	120	14-B 042	25	200
1/2"	24"	36	14-B 053	25	200
1/2"	24"	60	14-B 056	25	200
1/2"	24"	80	14-B 058	25	200
1/2"	24"	120	14-B 062	25	200
3/4"	18"	36	14-B 103	25	200
3/4"	18"	60	14-B 106	25	200
3/4"	18"	80	14-B 108	25	200
3/4"	18"	120	14-B 112	25	200
3/4"	24"	36	14-B 123	25	200
3/4"	24"	60	14-B 126	25	200
3/4"	24"	80	14-B 128	25	200
3/4"	24"	120	14-B 132	25	200

BLENDEX+™ FILE BELTS



Width	Length	Grit	Order No.	Std. Pkg.	Std. Ctn.
1/2"	18"	Coarse	07-D 032	10	50
1/2"	18"	Medium	07-D 033	10	50
1/2"	18"	Very fine	07-D 034	10	50
1/2"	24"	Coarse	07-D 052	10	50
1/2"	24"	Medium	07-D 053	10	50
1/2"	24"	Very fine	07-D 054	10	50
3/4"	18"	Coarse	07-D 102	10	50
3/4"	18"	Medium	07-D 103	10	50
3/4"	18"	Very fine	07-D 104	10	50
3/4"	24"	Coarse	07-D 122	10	50
3/4"	24"	Medium	07-D 123	10	50
3/4"	24"	Very fine	07-D 124	10	50

CIRCULAR FINISHING QUICK-STEP SYSTEM



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

For all your surface finishing needs!

Whether you are blending in welds, cleaning surfaces, refining and enhancing existing finishes or bringing out a mirror finish on stainless steel, steel, aluminum or any other ferrous and non-ferrous metals, Walter provides a complete line of tools for the art of metalworking!

This is the finish you get for each product if used on a 2B stainless steel surface.



Product	Application	Product category	Type of finish	Pre-finishing	Coarse finish	Sanitary	Pharma	Light polish	Mirror finish
			Ra	(>60 μin)	(60-50 μin)	(40-25 μin)	(16-12 μin)	(8-4 μin)	(4-1 μin)
			Grit size						
Quick-Step FX@5000 RPM	Cleaning	07-X	Coarse						
Quick-Step Flex@7000 RPM	Blending	07-Q	40						
			60						
			80						
			120						
Quick-Step XX@5000 RPM	Blending and surface conditioning	15-V	120						
			180						
			240						
Quick-Step Blendex@5000 RPM	Surface conditioning	07-R	X-tra Coarse						
			Coarse						
			Medium						
			Fine						
			Super fine						
Quick-Step Felt and Quick-Step High Polish with polishing pastes@2000 RPM	Mirror finishing	07-T + paste	Instant Polish 1000-1500						
		07-T + paste	Ultimate Shine 2000-2500						



Learn how to achieve the perfect finish every time with our online videos at www.youtube.com/thewalternetwork



High Efficiency QUICK-STEP sander/polisher (See p. 179 for details)

Hook and loop fastening system for quick disc change outs between finishing steps

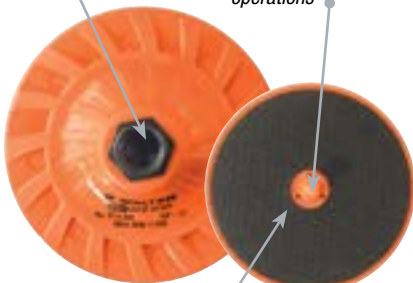


Simply center pin on the backing pad and mount QUICK-STEP disc



Built-in threaded arbor mounts directly onto grinder's spindle

Exclusive centering pin guarantees vibration-free operations



Torque resistant mushroom hooks hold discs securely in place

QUICK-STEP™ BACKING PADS

This patented backing pad is the heart of the QUICK-STEP system. It is made of industrial strength nylon that is guaranteed to retain its strength and flexibility even at elevated temperatures. Disc changes take only seconds.

QUICK-STEP MG BACKING PADS

For maximum grip when working at high speeds. Use this backing pad with BLENDEX surface conditioning discs for best results

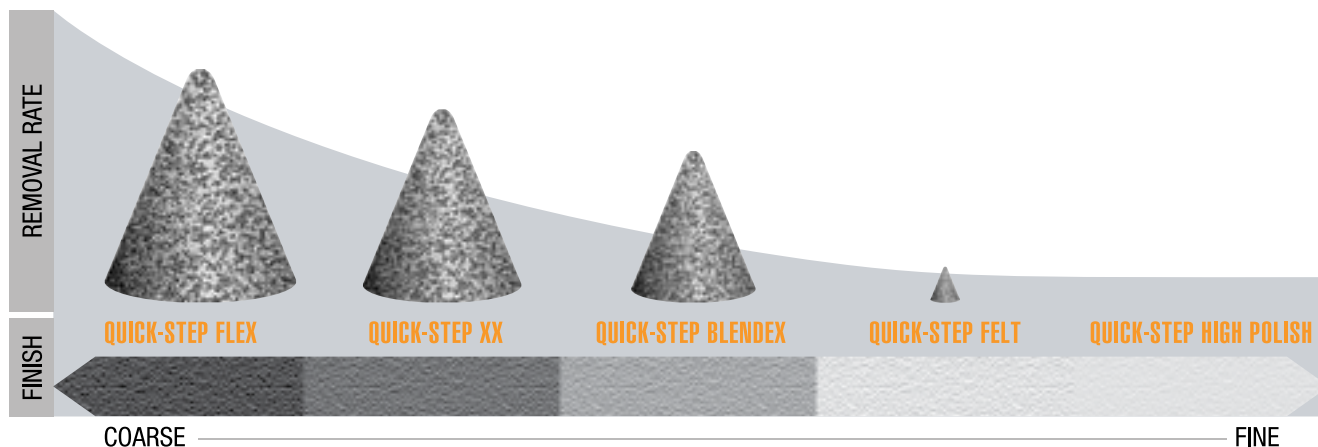
Pad dia.	For disc dia.	Thread	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	4 1/2"	5/8"-11	07-Q 149	1	10
5"	5"	5/8"-11	07-Q 154	1	10
6"	6"	5/8"-11	07-Q 164	1	10
7"	7"	5/8"-11	07-Q 174	1	10

QUICK-STEP BACKING PADS

Pad dia.	For disc dia.	Thread	Order No.	Std. Pkg.	Std. Ctn.
4"	4 1/2"	5/8"-11	07-Q 044	* 1	10
4 1/2"	4 1/2"	5/8"-11	07-Q 049	1	10
5"	5"	5/8"-11	07-Q 054	1	10
6"	6"	5/8"-11	07-Q 064	1	10
7"	7"	5/8"-11	07-Q 074	1	10

* QUICK-STEP flap discs and FX cleaning discs can be used with backing pad one diameter size below for more flexibility, to reach into corners and to use up worn discs.

QUICK-STEP™ METAL SURFACE FINISHING SYSTEM



QUICK-STEP™ FX

QUICK-STEP FX SURFACE CLEANING DISCS



Dia.	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-X 845	6,000	2,000 to 3,000	5	40
6"	07-X 860	6,000	2,000 to 3,000	5	40



- ▶ Extra strong non-woven construction for removing heavy paint, gaskets, sealing compounds, rust and scale from all metals
- ▶ Cleans without gouging or damaging the surface

QUICK-STEP™ FLEX



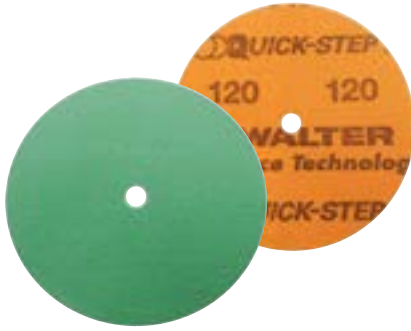
Dia.	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	40	07-Q 454	11,000	8,000	10	40
4 1/2"	60	07-Q 456	11,000	8,000	10	40
4 1/2"	80	07-Q 458	11,000	8,000	10	40
4 1/2"	120	07-Q 462	11,000	8,000	10	40
5"	40	07-Q 504	10,000	7,300	10	40
5"	60	07-Q 506	10,000	7,300	10	40
5"	80	07-Q 508	10,000	7,300	10	40
5"	120	07-Q 512	10,000	7,300	10	40
6"	40	07-Q 604	8,600	6,500	10	40
6"	60	07-Q 606	8,600	6,500	10	40
6"	80	07-Q 608	8,600	6,500	10	40
6"	120	07-Q 612	8,600	6,500	10	40



- ▶ For removing and blending in light welds, for deburring, breaking edges and rounding corners
- ▶ Aggressive, cool cutting and provides a consistent uniform finish
- ▶ Abrasive flaps are secured onto a flexible backing making them ideal for working on curved surfaces

Tech tip!

Use a backing pad one size below disc diameter for even more flexibility!



- ▷ *Extra long life – 6x the stock removal compared to aluminum oxide sanding discs*
- ▷ *Ultra High Removal Rate – twice as fast as Velcro or PSA (pressure sensitive adhesive) sanding discs*
- ▷ *Self-sharpening grain – consistently high cutting rate throughout lifetime*
- ▷ *Cooling agent – prevents burning and distortion*
- ▷ *Extra strong cloth backing – Resistant to ripping when catching an edge, unlike regular paper discs*



- ▷ *Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants*
- ▷ *Suitable for use in food processing industries*
- ▷ *Achieve a mirror finish with only one paste*
- ▷ *Packed in a resealable bag that preserves the paste from contaminants and drying*



QUICK-STEP XX™ SANDING DISCS

This high performance sanding disc leverages our Cyclone™ Technology, a hightech blend of abrasive grains, and combines it with a special cooling agent. This allows you to blend and finish more pieces to improve productivity. Paired with an interface pad, this sanding disc allows for more flexibility, making it ideal for curved surfaces.



Dia.	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	120	15-V 412	7,400	5,000	25	250
4 1/2"	180	15-V 418	7,400	5,000	25	250
4 1/2"	240	15-V 424	7,400	5,000	25	250
5"	120	15-V 512	6,150	4,000	25	250
5"	180	15-V 518	6,150	4,000	25	250
5"	240	15-V 524	6,150	4,000	25	250
6"	120	15-V 612	5,100	3,000	25	250
6"	180	15-V 618	5,100	3,000	25	250
6"	240	15-V 624	5,100	3,000	25	250

QUICK-STEP INTERFACE PADS

Ideal for working on curved surfaces or when greater flexibility is required. It provides a soft foam cushion between the abrasive and the backing pad to increase flexibility and produce a better finish without gouging the work surface.

Dia.	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	07-Q 045	1	10
7"	07-Q 070	1	10
6"	07-Q 060	1	10
5"	07-Q 050	1	10

SPACER WASHERS

For grinders with: 5/8"-11 spindle

07-Q 001

For grinders with: M14x2.0 spindle

07-Z 005

POLISHING PASTES

For use with felt, high polish and instant polish discs



Name	Order No.	Weight	Grit	Std. Pkg.	Std. Ctn.
White paste	07-T 901	600 g	1200-1500	1	10
Blue paste	07-T 905	650 g	2000	1	10
Instant polish paste	07-T 907	1200 g	1000-1500	1	5
Ultimate Shine™ paste	07-T 909	1300 g	2000-2500	1	5

QUICK-STEP BLENDEX

SURFACE CONDITIONING DISCS



Dia.	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	X-TRA COARSE, brown	07-R 450	11,000	4,000 to 6,500	10	100
4 1/2"	COARSE, tan	07-R 452	11,000	4,000 to 6,500	10	100
4 1/2"	MEDIUM, maroon	07-R 453	11,000	4,000 to 6,500	10	100
4 1/2"	FINE, blue	07-R 454	11,000	4,000 to 6,500	10	100
4 1/2"	SUPER FINE, grey	07-R 455	11,000	4,000 to 6,500	10	100
5"	X-TRA COARSE, brown	07-R 500	11,000	3,000 to 6,500	10	100
5"	COARSE, tan	07-R 502	11,000	3,000 to 6,500	10	100
5"	MEDIUM, maroon	07-R 503	11,000	3,000 to 6,500	10	100
5"	FINE, blue	07-R 504	11,000	3,000 to 6,500	10	100
6"	X-TRA COARSE, brown	07-R 600	8,600	3,000 to 6,500	10	100
6"	COARSE, tan	07-R 602	8,600	3,000 to 6,500	10	100
6"	MEDIUM, maroon	07-R 603	8,600	3,000 to 6,500	10	100
6"	FINE, blue	07-R 604	8,600	3,000 to 6,500	10	100
7"	X-TRA COARSE, brown	07-R 700	6,800	2,500 to 5,000	10	100
7"	COARSE, tan	07-R 702	6,800	2,500 to 5,000	10	100
7"	MEDIUM, maroon	07-R 703	6,800	2,500 to 5,000	10	100
7"	FINE, blue	07-R 704	6,800	2,500 to 5,000	10	100



X-TRA COARSE: *For blending*

COARSE: *For removing scratches*

MEDIUM: *For cleaning and eliminating superficial scratches*

FINE: *For fine striated finishes*

SUPER FINE: *Last step before decorative or polishing finishes*

QUICK-STEP FELT DISCS



Dia.	Order No.	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-T 450	2,000 to 3,000	5	40
6"	07-T 600	2,000 to 3,000	5	40
6"	07-T 602 *	2,000 to 3,000	5	40
7"	07-T 700	2,000 to 3,000	5	40

* For use with ULTI-MATE finishing tool.

▷ **Felt discs**
Strong high density
Merino felt discs for all
heavy-duty finishing
and polishing job



QUICK-STEP HIGH POLISH DISCS



Dia.	Order No.	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-T 454	2,000 to 3,000	10	100
5"	07-T 504	2,000 to 3,000	10	100
6"	07-T 604	2,000 to 3,000	10	100
7"	07-T 704	2,000 to 3,000	10	100

▷ **High polish discs**
Special soft polishing disc
produces high gloss and
mirror finishes faster



QUICK-STEP INSTANT POLISH™ DISCS

One-step solution to achieving a #8 mirror finish



Dia.	Order No.	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-T 456	2,000 to 3,000	10	100
4 1/2"	07-T 457	2,000 to 3,000	2	20
5"	07-T 506	2,000 to 3,000	10	100
5"	07-T 507	2,000 to 3,000	2	20

▷ **Achieve a #8 mirror stainless steel finish faster than ever**

▷ **The polishing paste is pre-applied on the disc**

▷ **Packed in resealable bag that preserves the disc from contaminants and drying**



BLENDEX U™

Superior finishes in less time

BLENDEX™ Unitized Technology (BLENDEX U™) is used for deburring, blending and finishing any kind of metal, including stainless steel, titanium, aluminum, alloys and or plastic and fiberglass. These versatile abrasives are long-lasting and can replace many traditional abrasives, saving you steps in the finishing process and reducing your cycle time.



- ▷ **Long lasting Incredible resistance even when working on sharp edges to ensure maximum life and productivity**
- ▷ **Superb finish Consistent and uniform; as close as possible to a mirror finish without the use of pastes**
- ▷ **Non loading Resists loading, which minimizes heat buildup and prolongs the life of the disc**
- ▷ **Flexible Choices of density: either soft for finishing or hard for demanding applications like deburring**

BLENDEX U CUP DISCS

SPIN-ON



Dia.	Arbor	Grade	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	3SF	07-U 451	10,500	6,000	5	20
5"	5/8"-11	3SF	07-U 501	10,500	6,000	5	20

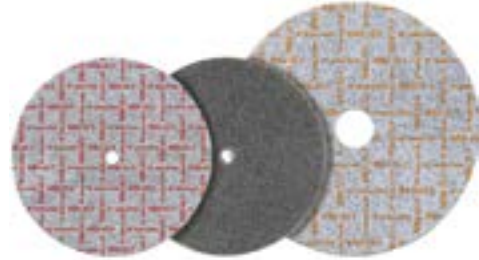


BLENDEX U WHEELS



Dia.	Width	Arbor	Grade	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
3"	1/4"	3/8"	2SF	07-U 321	15,100	20	200
3"	1/4"	3/8"	6SF	07-U 322	18,100	20	200
3"	1/4"	3/8"	6AM	07-U 323	18,100	20	200
6"	1/4"	1"	2SF	07-U 621	5,000	5	40
6"	1/4"	1"	6SF	07-U 622	7,500	5	40
6"	1/4"	1"	6AM	07-U 623	7,500	5	40
6"	1/2"	1"	2SF	07-U 651	5,000	4	36
6"	1/2"	1"	6SF	07-U 652	7,500	4	36
6"	1/2"	1"	6AM	07-U 653	7,500	4	36
6"	1"	1"	2SF	07-U 611	5,000	2	16
6"	1"	1"	6SF	07-U 612	7,500	2	16
6"	1"	1"	6AM	07-U 613	7,500	2	16

- ▷ **For use on portable or stationary machines**
- ▷ **Can be used on the edge or on either side of the wheel**
- ▷ **Safe for use on all metals**



See reducer bushings on page ??.

BLENDEX U MOUNTED POINTS



Dia.	Width	Grade	Color	Order No.	Max. RPM	Std. Ctn.
3/8"	1 1/4"	2SF	Orange	07-U 101	37,210	5
3/8"	1 1/4"	6SF	Red	07-U 102	37,210	5
3/8"	1 1/4"	6AM	Black	07-U 103	37,210	5

Also see BLENDEX U Twist discs.

- ▷ **These points are made with high quality BLENDEX U material and offer a fast way to blend, clean and polish in difficult to reach areas. 1/4" shaft**



POLISHING FLAP DISCS

High performance flap disc optimized for polishing and mirror finish applications

Get a professional shine efficiently and with the versatility of a flap disc. Strong removal rates and improved finishing capabilities ensure a consistent surface finish every time.



INSTANT POLISH FLAP DISC

Dia.	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-T 452	7,300	2,000	5	20
5"	07-T 502	7,300	2,000	5	20



- ▶ To achieve a mirror finish in a single step
- ▶ For use on angle grinders with a suitable speed range

ULTIMATE SHINE FLAP DISC

Dia.	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-T 453	7,300	2,000	5	20
5"	07-T 503	7,300	2,000	5	20



- ▶ As a second step to achieve the best mirror finish
- ▶ For use on angle grinders with a suitable speed range

FELT CUP DISC

Hard density felt disc for polishing applications



Dia.	Width	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
5"	1/2"	5/8"-11	07-T 505	10,500	2,000-4,000	5	20



- ▶ To be used with polishing pastes
- ▶ For use on angle grinders with a suitable speed range
- ▶ Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants
- ▶ Suitable for use in food processing industries



POLISHING PASTES

For use with felt, high polish and instant polish discs



Name	Order No.	Weight	Grit	Std. Pkg.	Std. Ctn.
White paste	07-T 901	600 g	1200-1500	1	10
Blue paste	07-T 905	650 g	2000	1	10
Instant polish paste	07-T 907	1200 g	1000-1500	1	5
Ultimate Shine™ paste	07-T 909	1300 g	2000-2500	1	5

- ▶ Achieve a mirror finish with only one paste
- ▶ Packed in a resealable bag that preserves the paste from contaminants and drying



FX™ CLEANING ABRASIVES

Quick, easy surface cleaning on all metals

FX abrasives quickly remove paint, rust, scale, coatings, burn marks and gaskets without loading or clogging. Made from a high density, non-woven material, they are incredibly durable and can replace wire brushes in a wide variety of applications.

SPIN-ON CUP DISCS



Dia.	Width	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/4"	5/8"-11	07-X 450	10,500	6,000	5	20
5"	3/4"	5/8"-11	07-X 505	10,500	6,000	5	20

FX STAINLESS CUP WHEEL

Dia.	Width	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4.5"	1/2"	5/8"-11	07-X 452	10,000	4,000	5	20
5"	1/2"	5/8"-11	07-X 502	8,000	4,000	5	20

MOUNTED WHEELS



Dia.	Width	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	1"	1/4"	07-X 120	11,000	6,000	1	10

CLEANING WHEELS



Dia.	Width	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4"	1/2"	1/2"	07-X 640	6,000	3,500 to 4,000	10	40
6"	1/2"	1/2"	07-X 660	4,000	2,400 to 2,700	10	40



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

Accessories

Mounting accessories for 4" FX wheels

- Mandrels for use on straight grinders and drills
- 1/4" shaft **Order No. 07-X 004**
- 8 mm shaft **Order No. 07-X 003**



Mounting accessories for 6" FX wheels

- Mandrels for use on straight grinders and drills
- 1/4" shaft (1/2" arbor) **Order No. 07-X 006**
- 1/4" shaft (7/8" arbor) **Order No. 07-X 008**
- 8 mm shaft (1/2" arbor) **Order No. 07-X 005**



Extension mandrels for use on angle grinders

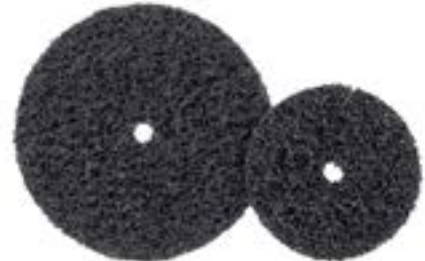
- M14 thread **Order No. 07-C 005**
- 5/8"-11 thread **Order No. 07-C 006**



- ▷ Outstanding life and performance
- ▷ For use on angle grinders with a suitable speed range
- ▷ No backing pad required



- ▷ Excellent for working in confined areas



- ▷ Use on edge — narrow contact area for maximum pressure
- ▷ Excellent for cleaning welds and stripping paint





FX™ STAINLESS

For cleaning welds on stainless steel

These specially formulated non-woven abrasives help to remove heat tint and discoloration from stainless steel surfaces while simultaneously leaving a #4 finish. They can replace wire brushes in many applications without any risk of contaminating stainless steel or aluminum surfaces.

	Dia.	Width	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
	6"	1/2"	7/8"	07-X 661	4,000	2,400 to 2,700	5	20
	6"	1/4"	7/8"	07-X 662	4,000	2,400 to 2,700	5	20
	6"	1"	7/8"	07-X 663	4,000	2,400 to 7000	5	20
N	6"	1/2"	1/2"	07-X 664	4,000	2,400 to 2,700	5	20
N	8"	1"	7/8"	07-X 683	4,000	2,400 to 2,700	5	20

Features

- ▷ Premium abrasive grain blend guaranteed not to contaminate stainless steel
- ▷ Easily conforms to uneven surfaces like weld beads
- ▷ FX design ensures consistent performance throughout the life of the wheel

Benefits

- ▷ Remove discoloration and finish weld surfaces in just one step
- ▷ Large diameter allows you to easily reach tight corners
- ▷ Safer to use than wire brushes (no risk of wires coming detached from the hub)



BLENDEX U TURBO

For blending in fillet welds and deburring applications

Blendex U Turbo was engineered to provide the versatility and performance of Blendex U with a more aggressive grade of abrasive grains designed to remove more material. The end result is a wheel that is perfect for deburring and blending in fillet welds while leaving a uniform, consistent surface finish. Stop wasting flap discs and use the right tool for the job when confronted with weld beads in tight corners or other intricate areas.

Features

- ▷ High grade unitized abrasive grain blend for premium performance
- ▷ Can be shaped to fit your specific application
- ▷ Provides a consistent, uniform surface finish throughout the life of the wheel

Tech tip!

Use with the ULTI-MATE system to blend and finish fillet welds with ease

Benefits

- ▷ Unitized design allows you to use the wheel at multiple angles for a variety of applications
- ▷ Extremely durable and long lasting
- ▷ The perfect system for blending in fillet welds when used with Ulti-Mate

Dia.	Width	Arbor	Grade	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
6"	5/32"	7/8"	7ZC	07-U 615	8,000	5,500	6	60
6"	1/4"	7/8"	7ZC	07-U 625	8,000	5,500	4	200



QUICK-STEP™ STARTER KIT

Includes:

- 1 QUICK-STEP backing pad (07-Q 049)
- 1 QUICK-STEP flex grit 120 (07-Q 512)
- 1 QUICK-STEP interface pad (07-Q 045)
- 2 QUICK-STEP XX grit 120 (15-V 412)
- 2 QUICK-STEP XX grit 240 (15-V 424)
- 2 QUICK-STEP Blendex coarse (07-R 452)
- 2 QUICK-STEP Blendex med (07-R 453)
- 2 QUICK-STEP Blendex fine (07-R 454)
- 1 QUICK-STEP felt (07-T 450)
- 1 QUICK-STEP high polish (07-T 454)

Features

- ▷ A complete range of abrasives for everything from weld blending to applying a #8 mirror finish

Dia.	Arbor	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	07-Q 953	1	5

ULTI-MATE™ SYSTEM

Ulti-Mate system for finishing in tight corners

This versatile tool allows you to do everything from removing a weld to applying a #8 mirror finish when working in tight corners. The ideal tool for blending and finishing fillet welds, the Ulti-Mate™ allows you to take Walter abrasives to places that were previously inaccessible, allowing you to significantly reduce your cycle time and finish jobs faster.

See page 180 for more details.



**QUICK-STEP FELT DISC
TO USE WITH ULTI-MATE SYSTEM**
6" No. 07-T 602

N° de comm.: 30-A 287

Includes:

- Ulti-Mate powertool (30-A 287)
- 1 Enduro-Flex 2-in-1 Turbo (15-I 451)
- 1 Enduro-Flex 2-in-1 (15-I 453)
- 1 Blendex U Turbo, ¼" width (07-U 625)
- 1 Blendex U Turbo, 5/32" width (07-U 615)
- 1 Blendex U 2SF, ¼" width (07-U 621)
- 1 FX Stainless Wheel, ¼" width (07-X 662)

Benefits

- ▷ Allows you to quickly switch between abrasives to take time and cost out of finishing jobs
- ▷ Durable industrial tool that is built to last, saving you from having to replace your power tools every few months
- ▷ Designed to exceed all safety standards, creating a safer work environment

Features

- ▷ Dialspeed™ variable speed control allows you to quickly go from 1,600-3,200 RPM to tackle any application from heavy stock removal to polishing
- ▷ Powerful 1,450 W industrial motor with Dynamax™ RPM monitoring to maintain constant RPM under load
- ▷ Soft Start™ technology

Finish (roughness average) obtained when using each product if used on a 2B stainless steel surface.



DISCS	Product	Application	Product category	Type of finish	Pre-finishing	Coarse finish	Sanitary	Pharma	Light polish	Mirror finish
				Ra	(>60 μin)	(60-50 μin)	(40-25 μin)	(16-12 μin)	(8-4 μin)	(4-1 μin)
				Grit size						
	Enduro-Flex 2-in-1 Turbo	Blending	15-I	36/60 + coarse						
	Enduro-Flex 2-in-1	Blending	15-I	80 + medium						
	BLENDEx U cup	Surface conditioning	07-U	3SF						
	FX cup	Surface cleaning	07-K	60						

WHEELS	Product	Application	Product category	Type of finish	Pre-finishing	Coarse finish	Sanitary	Pharma	Light polish	Mirror finish
	BLENDEx U Turbo	Blending	07-U	7ZC						
	BLENDEx U	Surface conditioning	07-H	6AM						
				6SF						
				2SF						
FX	Surface cleaning	07-X	FX							
			FX Stainless							
Felt	Mirror finishing	07-T + paste	Instant Polish 1000-1500							
			Ultimate Shine 2000-2500							

TWIST™ SURFACE FINISHING SYSTEM

The **TWIST™ quick-change system** makes changing discs on small air grinders quick and easy, reducing cycle time. Achieve the desired finish quickly and maximize your productivity with this versatile line of high quality abrasives.

QUICK DISC CHANGE BETWEEN FINISHING STEPS

Simply twist any abrasive to the backing pad and start working

Quickly change out abrasives to achieve the desired finish in fewer steps and with less time wasted making trips to the tool crib



TWIST™ QUICK-CHANGE SURFACE FINISHING SYSTEM

Use these backing pads with TWIST abrasives to reduce the time spent changing from one abrasive to the next. Use orange backing pads for contour work and finishing or black backing pads for blending and light weld removal.



TWIST™ BACKING PADS

Dia.	Flexibility	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
2"	Medium	04-X 202	30,000	1	400
2"	Hard	04-X 203	30,000	1	400
3"	Medium	04-X 302	28,000	1	400
3"	Hard	04-X 303	28,000	1	400

Color code: Medium = orange, Hard = black

- ▷ Molded polyurethane construction
- ▷ Removable mandrel
- ▷ Surface design ensures uniform disc support
- ▷ Allows for quick disc change-outs

TWIST™ FLAP DISCS



Dia.	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2 1/2"	40	04-A 254	23,000	12,000	10	400
2 1/2"	60	04-A 256	23,000	12,000	10	400
2 1/2"	80	04-A 258	23,000	12,000	10	400
2 1/2"	120	04-A 262	23,000	12,000	10	400

Use with 2" backing pads

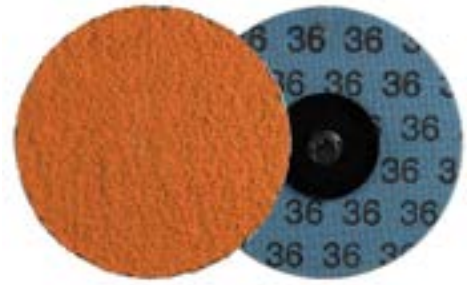


- ▷ Long lasting with a consistent surface finish from start to end
- ▷ Very high removal rate
- ▷ Excellent for weld blending and finishing work

TWIST COOLCUT XX SANDING DISCS



Dia.	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	36	04-C 203	30,000	15,000	50	500
2"	50	04-C 205	30,000	15,000	50	500
2"	60	04-C 206	30,000	15,000	50	500
2"	80	04-C 208	30,000	15,000	50	500
2"	120	04-C 212	30,000	15,000	50	500
3"	36	04-C 303	28,000	14,000	50	500
3"	50	04-C 305	28,000	14,000	50	500
3"	60	04-C 306	28,000	14,000	50	500
3"	80	04-C 308	28,000	14,000	50	500
3"	120	04-C 312	28,000	14,000	50	500



- ▷ Extremely aggressive removal rate for reduced cycle time
- ▷ The longest life in the industry to reduce your inventory needs
- ▷ Features Walter's exclusive Cyclone Technology™ high performance ceramic abrasive grain blend
- ▷ Grit is printed on the back for added convenience

TWIST TOPCUT SANDING DISCS



Dia.	Grit	Color	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	36	Black	04-D 203	30,000	15,000	50	2000
2"	50	Yellow	04-D 205	30,000	15,000	50	2000
2"	60	Blue	04-D 206	30,000	15,000	50	2000
2"	80	Orange	04-D 208	30,000	15,000	50	2000
2"	100	Green	04-D 210	30,000	15,000	50	2000
2"	120	Beige	04-D 212	30,000	15,000	50	2000
3"	36	Black	04-D 303	28,000	14,000	50	1000
3"	50	Yellow	04-D 305	28,000	14,000	50	1000
3"	60	Blue	04-D 306	28,000	14,000	50	1000
3"	80	Orange	04-D 308	28,000	14,000	50	1000
3"	100	Green	04-D 310	28,000	14,000	50	1000
3"	120	Beige	04-D 312	28,000	14,000	50	1000



- ▷ High metal removal rate
- ▷ Long life due to special Zirconia alumina grain formulation
- ▷ Unique construction for optimal heat dissipation and wear resistance
- ▷ Color coded backing to easily distinguish between different grit sizes



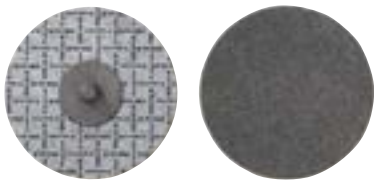
TWIST BLENDEX CONDITIONING DISCS



Dia.	Grit	Color	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	Coarse	Tan	04-G 202	30,000	15,000	25	1000
2"	Medium	Maroon	04-G 203	30,000	15,000	25	1000
2"	Fine	Blue	04-G 204	30,000	15,000	25	1000
2"	Super fine	Grey	04-G 205	30,000	15,000	25	1000
3"	Coarse	Tan	04-G 302	28,000	14,000	25	500
3"	Medium	Maroon	04-G 303	28,000	14,000	25	500
3"	Fine	Blue	04-G 304	28,000	14,000	25	500
3"	Super fine	Grey	04-G 305	28,000	14,000	25	500



- COARSE:** For most heavy-duty applications
- MEDIUM:** For cleaning and removing surface imperfections
- FINE:** For producing a fine scratch pattern
- SUPER FINE:** Use as a last step before mirror finishing or to produce decorative finishes



▷ Designed for deburring, cleaning, blending, finishing light welds and polishing hard to reach areas

▷ Designed for polishing

▷ 100% pure premium wool product

▷ Use with Walter polishing pastes

▷ Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants

▷ Suitable for use in food processing industries



TWIST BLENDEX U DISCS



Dia.	Grade	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
3"	2SF	04-U 321	15,100	10	100
3"	6SF	04-U 322	15,100	10	100
3"	6AM	04-U 323	15,100	10	100

TWIST FELT DISCS



Dia.	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	04-T 204	30,000	12,000	25	1000
3"	04-T 304	28,000	10,000	25	500

POLISHING PASTES

For use with felt, high polish and instant polish discs



Name	Order No.	Weight	Grit	Std. Pkg.	Std. Ctn.
White paste	07-T 901	600 g	1200-1500	1	10
Blue paste	07-T 905	650 g	2000	1	10
Instant Polish paste	07-T 907	1200 g	1000-1500	1	5
Ultimate Shine™ paste	07-T 909	1300 g	2000-2500	1	5



▷ Extra strong non-woven construction for removing oxide, scale and gaskets

▷ Cleans without damaging the surface

▷ Leaves no residue on the surface

FX SURFACE CLEANING DISCS



Dia.	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	04-L 200	30,000	12,000	10	400
3"	04-L 300	28,000	10,000	10	200

TWIST STARTER KITS

2" assortment includes:

- 1 medium backing pad (04-X 202)
- 2 flap discs (1 of each grit, 40: 04-A 254 and 80: 04-A 258)
- 15 TOPCUT discs (3 of each grit 36: 04-D 203, 50: 04-D 205, 60: 04-D 206, 80: 04-D 208 and 120: 04-D 212);
- 12 BLENDEX discs (3 of each grit, coarse: 04-G 202, medium: 04-G 203, fine: 04-G 204 and super fine: 04-G 205) and 1 FX disc (04-L 200).

Order No. 04-Z 992

3" assortment includes:

- 1 medium backing pad (04-X 302)
- 10 TOPCUT discs (2 of each grit 36: 04-D 303, 50: 04-D 305, 60: 04-D 306, 80, 04-D 308 and 120, 04-D 312);
- 4 BLENDEX discs (1 of each grit, coarse: 04-G 302, medium: 04-G 303, fine: 04-G 304 and super fine: 04-G 305) and 1 FX disc (04-L 300).

Order No. 04-Z 993



Safety Seminar

ABRASIVES | POWER TOOLS



Walter Surface Technologies trains thousands of workers every year worldwide on safe practices with abrasives.

For over 60 years, WALTER has been offering innovative solutions for the metalworking industry. Our Safety Seminar is part of our commitment to help you increase your productivity through safe practices.

Our Safety Seminar has been developed with years of industry experience, and input from users like you. Our trained instructors use an interactive format combining safety basics, PPE, proper identification and use of abrasives.

The Walter Safety Seminar is ...

- Interactive On-Site
- Industry Relevant
- Adapted to your needs



Safety Seminar Topics:

- Why Is Safety Important?
- Key Safety Points
- Personal Protective Equipment
- Abrasive Basics
- Proper Mounting
- Safe Practices
- Industry Ratings

...and more

Contact your local WALTER representative to book your on-site sessions.

1.888.592.5837
walter.com/support/safety-first

Keep in mind
Safety Starts With You!

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*
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



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



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"	½"	12,000	1	10
3"	½"-13	13-G 303	.020"	½"	12,000	1	10
3"	⅝"-11	13-G 304	.020"	½"	12,000	1	10
4"	⅝"-11	13-G 404	.020"	½"	8,600	1	10
5"	⅝"-11	13-G 504	.020"	½"	8,600	1	10
5"	⅝"-11	13-G 554	.035"	½"	8,600	1	10
6"	⅝"-11	13-G 604	.020"	½"	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"	½"	12,000	1	10
3"	⅝"-11	13-G 314	.020"	½"	12,000	1	10
5"	⅝"-11	13-G 514	.020"	½"	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"	⅝"-11	13-G 574	.020"	1"	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"	⅝"-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 brushes are extra narrow to clean in tight areas such as between weld passes in pipe fitting

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 brushes are for surface cleaning after welding, to remove scale, spatter, rust and corrosion

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

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

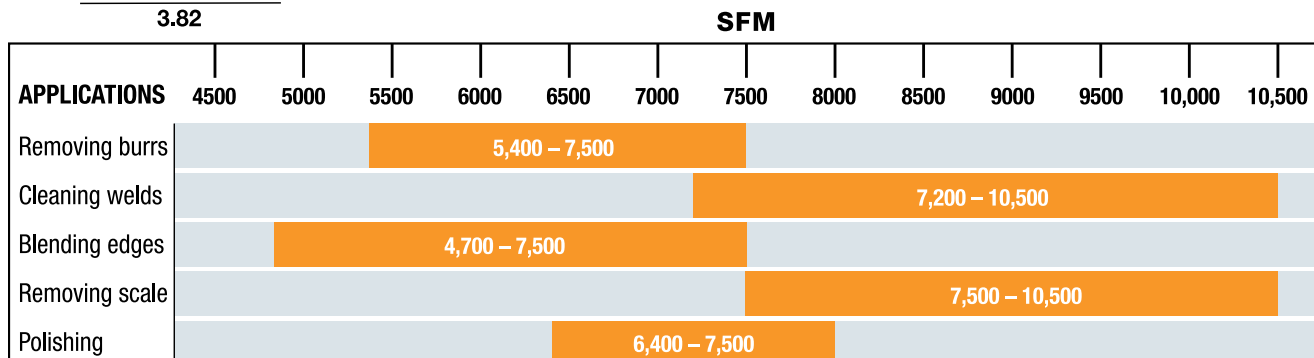
To convert brushes with 5/8"-11 arbor, please see page 215 for special threaded adaptors.



Choose the right speed for your application

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

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"	25000	1	10
Saucer-cup	3"	1/2"	13-C 270	.020"	25000	1	10
Cup	3"	1/2"	13-C 370	.020"	12,000	1	10

- ▷ Knot-twisted wire for heavy-duty brushing such as deburring, removing heavy rust and corrosion, etc.
- ▷ Conical brushes for cleaning fillet welds
- ▷ Wire wheel brushes are excellent for cleaning the inside diameter of pipes and tubing

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).

Straight



Wheel



Saucer-cup



Cup



COMBINE YOUR WIRE BRUSH WITH THE BEST POWER TOOL!

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









08

TOOLING



How to choose the right drill bit

For drilling holes smaller than 1/2 in.⁽¹⁾

Power tool	Material to drill	Thickness of mat. ⁽²⁾	Required drill bit	Products	Why?
Drill press, magnetic drilling unit, automated drilling machine	Mild steel	< 1/2"	SST+ 135° Stub Round Shank		Strongest drill bit, won't break if you get stuck.
		> 1/2"	SST+ 135° Jobbers Round Shank		Most effective in thick material, won't break if you get stuck.
	High tensile steel	< 1/2"	SST+ 135° Stub Round Shank		Strongest drill bit, won't break if you get stuck.
		> 1/2"	SST+ 135° Jobbers Round Shank		Most effective in thick material, won't break if you get stuck.
Hand held power tool	Mild steel	< 1/2"	SST+ 135° Stub Quick Shank		Best grip on your powertool, allows you to drill fast and precise.
		> 1/2"	SST 118° Jobbers Quick Shank		Best grip for hand held tools. Allows you to drill fast and precise.
	High tensile steel	< 1/2"	SST+ 135° Stub Quick Shank		Best grip on your powertool, allows you to drill fast and precise.
		> 1/2"	SST+ 135° 3/8" Reduced Shank		Most effective in thick material, won't break if you get stuck.

(1) For drilling bigger holes, use a reduced shank or a Prentice drill bit.
 (2) For best performance, never drill a hole deeper than 1/2 the length of the drill bit's fluting

All Walter drill bits feature:

- Special HSS M35 with cobalt blend (HSS+Co) for premium life and performance
- High flow spiral and chisel edge design to maximize chip evacuation
- Proven SST heat and surface treatment to reduce friction and increase the chip flow
- Heavy-duty, fully ground body construction
- Self-centering split point allowing you to drill any size of hole in a single operation and prevents the "walking effect" on curved surfaces

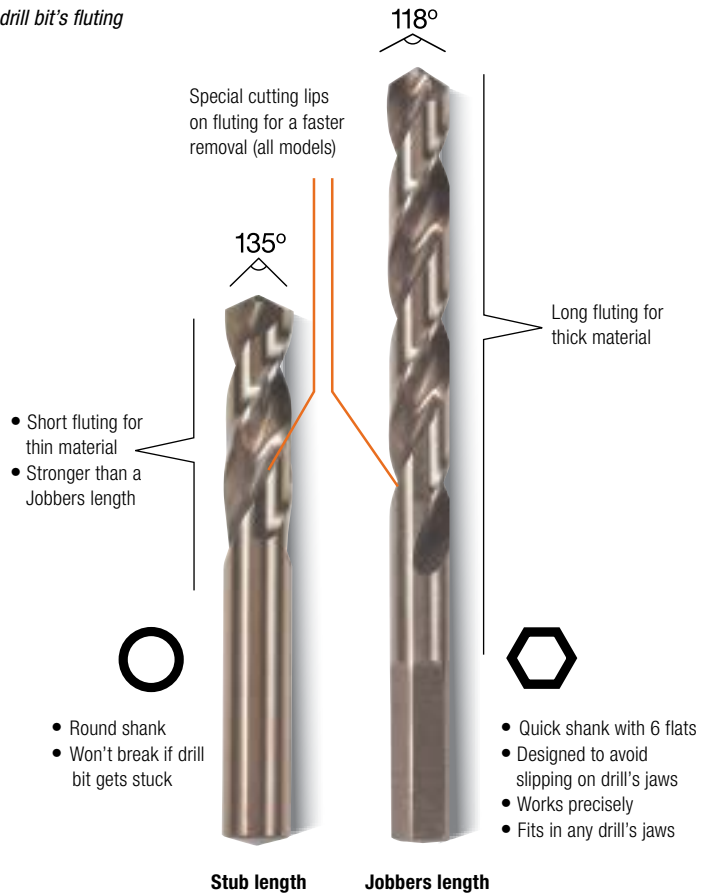
Drill more holes... faster!

Tech tip!

Three ways to maximize drilling efficiency:

- Use the correct feed rate
- Use the correct RPM speed
- Use Walter's COOLCUT lubricant stick

Order No.: 53-B 013



118°

Special cutting lips on fluting for a faster removal (all models)

135°

Long fluting for thick material

- Short fluting for thin material
- Stronger than a Jobbers length

• Round shank

• Won't break if drill bit gets stuck

• Quick shank with 6 flats

• Designed to avoid slipping on drill's jaws

• Works precisely

• Fits in any drill's jaws

Stub length Jobbers length

SST™ 118° JOBBERS LENGTH FRACTIONAL

Quick shank drill bits

For hand held tools in mild steel

The proven original SST™ drill bit, made with M35 cobalt blend, is designed with an exclusive quick shank that ensures fast and secure tightening inside any keyed or keyless chucks. Ideal for cordless drills, allowing you to drill more holes per charge. Recommended for drilling on any type of thin gauge metal or sheet metal where a jobber's length bit is required. Ability to drill through multiple layers of metal quickly and easily.

- ▷ **Unique shank design with six long flats**
- ▷ **Self-centering 118° split point geometry**
- ▷ **Proven SST heat and surface treatment**
- ▷ **Back tapered body**
- ▷ **Heavy-duty HSS+Co body construction**



Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.	Available individually Order No.
1/16"	3/16"	13/16"	01-A 004	10	100	01-A 004A
5/64"	15/16"	1 15/16"	01-A 005	10	100	01-A 005A
3/32"	1 3/16"	2 1/4"	01-A 006	10	100	01-A 006A
7/64"	1 5/16"	2 3/8"	01-A 007	10	100	01-A 007A
1/8"	1 7/16"	2 9/16"	01-A 008	10	100	01-A 008A
9/64"	1 9/16"	2 3/4"	01-A 009	10	100	01-A 009A
5/32"	1 11/16"	2 15/16"	01-A 010	10	100	01-A 010A
11/64"	1 7/8"	3 1/8"	01-A 011	10	100	01-A 011A
3/16"	2 1/16"	3 3/8"	01-A 012	10	100	01-A 012A
13/64"	2 1/4"	3 3/8"	01-A 013	10	100	01-A 013A
7/32"	2 1/4"	3 11/16"	01-A 014	10	100	01-A 014A
15/64"	2 1/4"	3 11/16"	01-A 015	10	100	01-A 015A
1/4"	2 1/2"	4"	01-A 016	10	100	01-A 016A
17/64"	2 11/16"	4 5/16"	01-A 017	10	100	01-A 017A
9/32"	2 11/16"	4 9/16"	01-A 018	10	100	01-A 018A
19/64"	2 15/16"	4 5/8"	01-A 019	10	100	01-A 019A
5/16"	2 15/16"	4 5/8"	01-A 020	10	100	01-A 020A
21/64"	2 15/16"	4 5/8"	01-A 021	10	100	01-A 021A
11/32"	3 3/16"	4 15/16"	01-A 022	10	100	01-A 022A
23/64"	3 3/16"	4 15/16"	01-A 023	10	100	01-A 023A
3/8"	3 7/16"	5 1/4"	01-A 024	10	100	01-A 024A
25/64"	3 7/16"	5 1/4"	01-A 025	5	50	01-A 025A
13/32"	3 7/16"	5 1/4"	01-A 026	5	50	01-A 026A
27/64"	3 11/16"	5 9/16"	01-A 027	5	50	01-A 027A
7/16"	3 11/16"	5 9/16"	01-A 028	5	50	01-A 028A
29/64"	3 11/16"	5 9/16"	01-A 029	5	50	01-A 029A
15/32"	4"	5 15/16"	01-A 030	5	50	01-A 030A
31/64"	4"	5 15/16"	01-A 031	5	50	01-A 031A
1/2"	4"	5 15/16"	01-A 032	5	50	01-A 032A

Packaged in reusable plastic boxes.

Sizes 1/64" and smaller have a round shank.



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork



NOW AVAILABLE
INDIVIDUALLY



SHOCK-RESISTANT,
EXTRA-THICK
POLYETHYLENE DRILL BIT
CARRYING CASE

1/16" to 1/2" by 64th
29 drill bits

Order No. 01-E 118



1/16" to 1/2" by 64th
29 Jobbers Length drill bits
Order No. 01-E 178

Tech tip!

For increased cutting efficiency and tool life, use COOLCUT solid stick lubricant.

Order No.: 53-B 013

SST+™ 135° JOBBERS LENGTH FRACTIONAL Round shank drill bits

For high tensile steel

Walter SST+™ drill bits are made from M35 cobalt blend to drill even more holes faster on any type of material.



Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
1/64"	3/16"	19/16"	01-A 501	10	100
1/32"	3/8"	1 3/16"	01-A 502	10	100
3/64"	5/8"	1 1/2"	01-A 503	10	100
1/16"	13/16"	1 11/16"	01-A 504	10	100
5/64"	15/16"	1 15/16"	01-A 505	10	100
3/32"	1 3/16"	2 1/4"	01-A 506	10	100
7/64"	1 5/16"	2 3/8"	01-A 507	10	100
1/8"	1 7/16"	2 9/16"	01-A 508	10	100
9/64"	1 9/16"	2 3/4"	01-A 509	10	100
5/32"	1 11/16"	2 15/16"	01-A 510	10	100
11/64"	1 7/8"	3 1/8"	01-A 511	10	100
3/16"	2 1/16"	3 3/8"	01-A 512	10	100
19/64"	2 1/16"	3 3/8"	01-A 513	10	100
7/32"	2 1/4"	3 11/16"	01-A 514	10	100
15/64"	2 1/4"	3 11/16"	01-A 515	10	100
1/4"	2 1/2"	4"	01-A 516	10	100
17/64"	2 11/16"	4 5/16"	01-A 517	10	100
9/32"	2 11/16"	4 5/16"	01-A 518	10	100
19/64"	2 15/16"	4 5/8"	01-A 519	10	100
5/16"	2 15/16"	4 5/8"	01-A 520	10	100
21/64"	2 15/16"	4 5/8"	01-A 521	10	100
11/32"	3 3/16"	4 15/16"	01-A 522	10	100
29/64"	3 3/16"	4 15/16"	01-A 523	10	100
3/8"	3 7/16"	5 1/4"	01-A 524	10	100
25/64"	3 7/16"	5 1/4"	01-A 525	5	50
13/32"	3 7/16"	5 1/4"	01-A 526	5	50
27/64"	3 11/16"	5 9/16"	01-A 527	5	50
7/16"	3 11/16"	5 9/16"	01-A 528	5	50
29/64"	3 11/16"	5 9/16"	01-A 529	5	50
15/32"	4"	5 15/16"	01-A 530	5	50
31/64"	4"	5 15/16"	01-A 531	5	50
1/2"	4"	5 15/16"	01-A 532	5	50

Packaged in reusable plastic packaging.
Sizes 3/64" and smaller have a regular point.



- ▷ Self-centering 135° split point geometry
- ▷ Proven SST heat and surface treatment
- ▷ Heavy-duty HSS+Co body construction
- ▷ High flow flute design

SHOCK-RESISTANT, EXTRA-THICK POLYETHYLENE DRILL BIT CARRYING CASE

1/16" to 1/2" by 64^{ths}
29 drill bits
Order No. 01-E 618



1/16" to 1/2" by 64^{ths}
29 Jobbers Length drill bits
Order No. 01-E 678



- ▷ Refillable
- ▷ Protects drill bits from water, rust, oil and other contaminants
- ▷ Quick-release belt clip

SST+™ 135° JOBBERS LENGTH METRIC AND LETTER SIZES

Round shank drill bits

For high tensile steel

Walter has a substantial offering of metric and letter size SST+™ twist drill bits so professionals across a wide range of industries can enjoy the same quality and performance our fractional drill bits are known for.



METRIC SIZES

Drill Size (mm)	Flute length (mm)	Overall Length (mm)	Order No.	Std. Pkg.	Std. Ctn.
1.00 mm	12 mm	34 mm	01-D 510	10	100
1.50 mm	20 mm	43 mm	01-D 515	10	100
2.00 mm	24 mm	49 mm	01-D 520	10	100
2.50 mm	30 mm	57 mm	01-D 525	10	100
3.00 mm	33 mm	61 mm	01-D 530	10	100
3.30 mm	36 mm	65 mm	01-D 533	10	100
3.50 mm	39 mm	70 mm	01-D 535	10	100
4.00 mm	43 mm	75 mm	01-D 540	10	100
4.20 mm	43 mm	75 mm	01-D 542	10	100
4.50 mm	47 mm	80 mm	01-D 545	10	100
5.00 mm	52 mm	86 mm	01-D 550	10	100
5.50 mm	57 mm	93 mm	01-D 555	10	100
6.00 mm	57 mm	93 mm	01-D 560	10	100
6.50 mm	63 mm	101 mm	01-D 565	10	100
6.70 mm	63 mm	101 mm	01-D 567	10	100
7.00 mm	69 mm	109 mm	01-D 570	10	100
7.50 mm	69 mm	109 mm	01-D 575	10	100
8.00 mm	75 mm	117 mm	01-D 580	10	100
8.50 mm	75 mm	117 mm	01-D 585	10	100
9.00 mm	81 mm	125 mm	01-D 590	10	100
9.50 mm	81 mm	125 mm	01-D 595	10	100
10.00 mm	87 mm	133 mm	01-D 600	5	50
10.20 mm	87 mm	133 mm	01-D 602	5	50
10.50 mm	87 mm	133 mm	01-D 605	5	50
11.00 mm	94 mm	142 mm	01-D 610	5	50
11.50 mm	94 mm	142 mm	01-D 615	5	50
12.00 mm	101 mm	151 mm	01-D 620	5	50
12.50 mm	101 mm	151 mm	01-D 625	5	50
13.00 mm	101 mm	151 mm	01-D 630	5	50

Packaged in reusable plastic packaging.

LETTER SIZES

Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
F	2 1/2"	4"	01-C 506	10	100
I	2 3/4"	4 1/4"	01-C 509	10	100
Q	3"	4 5/8"	01-C 517	10	100
U	3 3/8"	4 13/16"	01-C 521	10	100

Packaged in reusable plastic packaging.

SST+™ 135° JOBBERS LENGTH WIRE GAUGE Round shank drill bits

For high tensile steel

Our SST+ twist drill bits are also available in wire gauge sizes commonly used by electricians and electrical contractors.



Packaged in reusable plastic packaging.

Sizes #53 to #60 have a regular point.

Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
1	2 1/4"	3 11/16"	01-B 501	10	100
2	2 1/4"	3 11/16"	01-B 502	10	100
3	2 1/4"	3 11/16"	01-B 503	10	100
4	2 1/16"	3 3/8"	01-B 504	10	100
5	2 1/16"	3 3/8"	01-B 505	10	100
6	2 1/16"	3 3/8"	01-B 506	10	100
7	2 1/16"	3 3/8"	01-B 507	10	100
8	2 1/16"	3 3/8"	01-B 508	10	100
9	2 1/16"	3 3/8"	01-B 509	10	100
10	2 1/16"	3 3/8"	01-B 510	10	100
11	2 1/16"	3 3/8"	01-B 511	10	100
12	2 1/16"	3 3/8"	01-B 512	10	100
13	1 7/8"	3 1/8"	01-B 513	10	100
14	1 7/8"	3 1/8"	01-B 514	10	100
15	1 7/8"	3 1/8"	01-B 515	10	100
16	1 7/8"	3 1/8"	01-B 516	10	100
17	1 7/8"	3 1/8"	01-B 517	10	100
18	1 7/8"	3 1/8"	01-B 518	10	100
19	1 11/16"	2 15/16"	01-B 519	10	100
20	1 11/16"	2 15/16"	01-B 520	10	100
21	1 11/16"	2 15/16"	01-B 521	10	100
22	1 11/16"	2 15/16"	01-B 522	10	100
23	1 11/16"	2 15/16"	01-B 523	10	100
24	1 11/16"	2 15/16"	01-B 524	10	100
25	1 11/16"	2 15/16"	01-B 525	10	100
26	1 9/16"	2 3/4"	01-B 526	10	100
27	1 9/16"	2 3/4"	01-B 527	10	100
28	1 9/16"	2 3/4"	01-B 528	10	100
29	1 9/16"	2 3/4"	01-B 529	10	100
30	1 7/16"	2 9/16"	01-B 530	10	100
31	1 5/16"	2 3/8"	01-B 531	10	100
32	1 5/16"	2 3/8"	01-B 532	10	100
33	1 5/16"	2 3/8"	01-B 533	10	100
34	1 5/16"	2 3/8"	01-B 534	10	100
35	1 5/16"	2 3/8"	01-B 535	10	100
36	1 5/16"	2 3/8"	01-B 536	10	100
37	1 3/16"	2 1/4"	01-B 537	10	100
38	1 3/16"	2 1/4"	01-B 538	10	100
39	1 3/16"	2 1/4"	01-B 539	10	100
40	1 3/16"	2 1/4"	01-B 540	10	100
41	1 3/16"	2 1/4"	01-B 541	10	100
42	1 3/16"	2 1/4"	01-B 542	10	100
43	1 1/16"	2 1/16"	01-B 543	10	100
44	1 1/16"	1 15/16"	01-B 544	10	100
45	15/16"	1 15/16"	01-B 545	10	100
46	15/16"	1 15/16"	01-B 546	10	100
47	15/16"	1 15/16"	01-B 547	10	100
48	7/8"	1 13/16"	01-B 548	10	100
49	7/8"	1 13/16"	01-B 549	10	100
50	7/8"	1 13/16"	01-B 550	10	100
51	13/16"	1 11/16"	01-B 551	10	100
52	13/16"	1 11/16"	01-B 552	10	100
53	11/16"	1 9/16"	01-B 553	10	100
54	11/16"	1 9/16"	01-B 554	10	100
55	5/8"	1 1/2"	01-B 555	10	100
56	5/8"	1 1/2"	01-B 556	10	100
57	9/16"	1 7/16"	01-B 557	10	100
58	1/2"	1 5/16"	01-B 558	10	100
59	1/2"	1 5/16"	01-B 559	10	100
60	1/2"	1 5/16"	01-B 560	10	100

SST+™ 135° DOUBLE-ENDED FRACTIONAL AND RIVET SIZES

Round shank stub drill bits

For thin gauge and sheet metal

The most effective double-ended drill bit available that can allow you to drill hundreds of holes faster than anyone else.

The state of the art cobalt blend provides these drill bits an incomparable lifespan that would make any black oxide competitors blush.

Even if you want to drill a hole into sheet metal, thin material, for automotive or aerospace purposes, for a rivet hole or simply to double the life of your current stub length drill bit.



FRACTIONAL SIZES

Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
1/16"	23/64"	1 1/2"	01-K 004	10	100
5/64"	23/64"	1 1/2"	01-K 005	10	100
3/32"	25/64"	1 11/16"	01-K 006	10	100
7/64"	7/16"	1 13/16"	01-K 007	10	100
1/8"	19/32"	1 59/64"	01-K 008	10	100
9/64"	35/64"	2 3/64"	01-K 009	10	100
5/32"	35/64"	2 11/64"	01-K 010	10	100
11/64"	5/8"	2 9/32"	01-K 011	10	100
3/16"	11/16"	2 7/16"	01-K 012	10	100
13/64"	11/16"	2 7/16"	01-K 013	10	100
7/32"	3/4"	2 19/32"	01-K 014	10	100
15/64"	3/4"	2 19/32"	01-K 015	10	100
1/4"	59/64"	2 3/4"	01-K 016	10	100

CORRESPONDING RIVET SIZES

Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
#51	25/64"	1 11/16"	01-K 151	10	100
#40	7/16"	1 13/16"	01-K 140	10	100
#30	35/64"	2 3/64"	01-K 130	10	100
#20	5/8"	2 9/32"	01-K 120	10	100
#10	11/16"	2 7/16"	01-K 110	10	100
#1	3/4"	2 19/32"	01-K 101	10	100
F	1 7/64"	4 1/64"	01-K 206	10	100

- ▷ Self-centering 135° split point geometry
- ▷ Special bronze SST surface treatment
- ▷ Heavy-duty fully ground body construction
- ▷ High flow flute design
- ▷ Double-ended design provides twice the life and quicker change outs compared to traditional drill bits



SST+™ 135° STUB LENGTH FRACTIONAL

Quick shank drill bits

For thin gauge material and sheet metal

Excellent for drilling into sheet metal and other thin-walled material. The 135° split point prevents center-punching and its short length helps prevent breakage, making it an ideal option for drilling in confined spaces.



- ▷ Self-centering 135° split point geometry
- ▷ Special bronze SST surface treatment
- ▷ Heavy-duty fully ground body construction
- ▷ High flow flute design
- ▷ Unique shank design with six long flats to provide a better grip for cordless and corded power tools

Tech tip!

Remember this rule:

Small diameter bits = High speed, low feed

Large diameter bits = Low speed, high feed

Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
1/16"	3/8"	1 5/16"	01-H 104	10	100
5/64"	1/2"	1 1/2"	01-H 105	10	100
3/32"	9/16"	1 11/16"	01-H 106	10	100
7/64"	5/8"	1 13/16"	01-H 107	10	100
1/8"	11/16"	1 15/16"	01-H 108	10	100
9/64"	13/16"	2 1/16"	01-H 109	10	100
5/32"	7/8"	2 3/16"	01-H 110	10	100
11/64"	15/16"	2 5/16"	01-H 111	10	100
3/16"	1"	2 7/16"	01-H 112	10	100
13/64"	1"	2 7/16"	01-H 113	10	100
7/32"	1 1/8"	2 5/8"	01-H 114	10	100
15/64"	1 1/8"	2 5/8"	01-H 115	10	100
1/4"	1 1/4"	2 3/4"	01-H 116	10	100
17/64"	1 5/16"	2 15/16"	01-H 117	10	100
9/32"	1 5/16"	2 15/16"	01-H 118	10	100
19/64"	1 5/16"	2 15/16"	01-H 119	10	100
5/16"	1 7/16"	3 1/8"	01-H 120	10	100
21/64"	1 7/16"	3 1/8"	01-H 121	10	100
11/32"	1 9/16"	3 5/16"	01-H 122	10	100
23/64"	1 9/16"	3 5/16"	01-H 123	10	100
3/8"	1 11/16"	3 1/2"	01-H 124	10	100
25/64"	1 11/16"	3 1/2"	01-H 125	5	50
13/32"	1 11/16"	3 1/2"	01-H 126	5	50
27/64"	1 7/8"	3 3/4"	01-H 127	5	50
7/16"	1 7/8"	3 3/4"	01-H 128	5	50
29/64"	1 7/8"	3 3/4"	01-H 129	5	50
15/32"	2"	4"	01-H 130	5	50
31/64"	2"	4"	01-H 131	5	50
1/2"	2"	4"	01-H 132	5	50

Packaged in reusable plastic packaging. Sizes 1/64" and smaller have a round shank.

SST+™ 135° STUB LENGTH FRACTIONAL AND WIRE GAUGE

Round shank drill bits

For thin gauge material and sheet metal

These drill bits have short flutes as well as a short overall length for maximum rigidity when drilling in sheet metal. They are made with a cobalt blend to provide a long service life in hard materials such as stainless steel.



- ▷ Produce minimal burr when drilling in sheet metal
- ▷ Self-centering 135° split point
- ▷ Heavy-duty body construction
- ▷ No center punching necessary

FRACTIONAL SIZES

Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
1/16"	3/8"	1 5/16"	01-H 004	10	100
5/64"	1/2"	1 1/2"	01-H 005	10	100
3/32"	9/16"	1 11/16"	01-H 006	10	100
7/64"	5/8"	1 13/16"	01-H 007	10	100
1/8"	11/16"	1 15/16"	01-H 008	10	100
9/64"	13/16"	2 1/16"	01-H 009	10	100
5/32"	7/8"	2 3/16"	01-H 010	10	100
11/64"	15/16"	2 5/16"	01-H 011	10	100
3/16"	1"	2 7/16"	01-H 012	10	100
13/64"	1"	2 7/16"	01-H 013	10	100
7/32"	1 1/8"	2 5/8"	01-H 014	10	100
15/64"	1 1/8"	2 5/8"	01-H 015	10	100
1/4"	1 1/4"	2 3/4"	01-H 016	10	100
17/64"	1 5/16"	2 15/16"	01-H 017	10	100
9/32"	1 5/16"	2 15/16"	01-H 018	10	100
19/64"	1 5/16"	2 15/16"	01-H 019	10	100
5/16"	1 7/16"	3 1/8"	01-H 020	10	100
21/64"	1 7/16"	3 1/8"	01-H 021	10	100
11/32"	1 9/16"	3 5/16"	01-H 022	10	100
23/64"	1 9/16"	3 5/16"	01-H 023	10	100
3/8"	1 11/16"	3 1/2"	01-H 024	10	100
25/64"	1 11/16"	3 1/2"	01-H 025	5	50
13/32"	1 11/16"	3 1/2"	01-H 026	5	50
27/64"	1 7/8"	3 3/4"	01-H 027	5	50
7/16"	1 7/8"	3 3/4"	01-H 028	5	50
29/64"	1 7/8"	3 3/4"	01-H 029	5	50
15/32"	2"	4"	01-H 030	5	50
31/64"	2"	4"	01-H 031	5	50
1/2"	2"	4"	01-H 032	5	50

Packaged in reusable plastic packaging.

WIRE GAUGE SIZES

Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
1	1 1/8"	2 5/8"	01-J 001	10	100
2	1 1/8"	2 5/8"	01-J 002	10	100
3	1 1/8"	2 5/8"	01-J 003	10	100
4	1"	2 7/16"	01-J 004	10	100
5	1"	2 7/16"	01-J 005	10	100
6	1"	2 7/16"	01-J 006	10	100
7	1"	2 7/16"	01-J 007	10	100
8	1"	2 7/16"	01-J 008	10	100
9	1"	2 7/16"	01-J 009	10	100
10	1"	2 7/16"	01-J 010	10	100
11	1"	2 7/16"	01-J 011	10	100
12	1"	2 7/16"	01-J 012	10	100
13	15/16"	2 5/16"	01-J 013	10	100
14	15/16"	2 5/16"	01-J 014	10	100
15	15/16"	2 5/16"	01-J 015	10	100
16	15/16"	2 5/16"	01-J 016	10	100
17	15/16"	2 5/16"	01-J 017	10	100
18	15/16"	2 5/16"	01-J 018	10	100
19	7/8"	2 3/16"	01-J 019	10	100
20	7/8"	2 3/16"	01-J 020	10	100
21	7/8"	2 3/16"	01-J 021	10	100
22	7/8"	2 3/16"	01-J 022	10	100
23	7/8"	2 3/16"	01-J 023	10	100
24	7/8"	2 3/16"	01-J 024	10	100
25	7/8"	2 3/16"	01-J 025	10	100
26	7/8"	2 3/16"	01-J 026	10	100
27	13/16"	2 1/16"	01-J 027	10	100
28	13/16"	2 1/16"	01-J 028	10	100
29	13/16"	2 1/16"	01-J 029	10	100
30	1 1/16"	1 15/16"	01-J 030	10	100
31	5/8"	1 13/16"	01-J 031	10	100
32	5/8"	1 13/16"	01-J 032	10	100
33	5/8"	1 13/16"	01-J 033	10	100
34	5/8"	1 13/16"	01-J 034	10	100
35	5/8"	1 13/16"	01-J 035	10	100
36	5/8"	1 13/16"	01-J 036	10	100
37	9/16"	1 11/16"	01-J 037	10	100
38	9/16"	1 11/16"	01-J 038	10	100
39	9/16"	1 11/16"	01-J 039	10	100
40	9/16"	1 11/16"	01-J 040	10	100

Packaged in reusable plastic packaging.

SST+™ 135° 3/8" REDUCED SHANK FRACTIONAL

Round shank bits

For high tensile steel, fits in a 3/8" chuck

Our SST+ 3/8" reduced shank drill bits allow for the drilling of larger holes with drills that have a 3/8" chuck capacity. Their 135° self-centering split point allows for outstanding performance with much less pressure.



Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
25/64"	3 7/16"	5 1/4"	01-R 225	5	50
13/32"	3 7/16"	5 1/4"	01-R 226	5	50
27/64"	3 11/16"	5 1/2"	01-R 227	5	50
7/16"	3 11/16"	5 9/16"	01-R 228	5	50
29/64"	3 11/16"	5 9/16"	01-R 229	5	50
15/32"	4"	5 15/16"	01-R 230	5	50
31/64"	4"	5 15/16"	01-R 231	5	50
1/2"	4"	5 15/16"	01-R 232	5	50
17/32"	4 13/16"	6 5/8"	01-R 234	5	50
9/16"	4 13/16"	6 5/8"	01-R 236	5	50
5/8"	5 3/16"	7 1/8"	01-R 240	5	50

Packaged in reusable plastic packaging.

For sizes smaller than 3/64", use our jobber's length drill bits.

SST+™ 135° 1/2" PRENTICE FRACTIONAL

Three flats shank drill bits

For hole diameters >1/2", fits in a 1/2" chuck

SST+ 1/2" Prentice are heavy-duty large diameter drill bits for use in portable power drills, drill presses and magnetic base drills with 1/2" chuck capacity. Their extra hard tips allow for the drilling of many more holes between re-sharpenings. They are made with a cobalt blend for unmatched life and durability



Drill Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.
39/64"	3 1/8"	6"	01-M 533	1	10
17/32"	3 1/8"	6"	01-M 534	1	10
35/64"	3 1/8"	6"	01-M 535	1	10
9/16"	3 1/8"	6"	01-M 536	1	10
37/64"	3 1/8"	6"	01-M 537	1	10
19/32"	3 1/8"	6"	01-M 538	1	10
39/64"	3 1/8"	6"	01-M 539	1	10
5/8"	3 1/8"	6"	01-M 540	1	10
41/64"	3 1/8"	6"	01-M 541	1	10
21/32"	3 1/8"	6"	01-M 542	1	10
49/64"	3 1/8"	6"	01-M 543	1	10
11/16"	3 1/8"	6"	01-M 544	1	10
45/64"	3 1/8"	6"	01-M 545	1	10
23/32"	3 1/8"	6"	01-M 546	1	10
47/64"	3 1/8"	6"	01-M 547	1	10

3/4"	3 1/8"	6"	01-M 548	1	10
49/64"	3 1/8"	6"	01-M 549	1	10
25/32"	3 1/8"	6"	01-M 550	1	10
51/64"	3 1/8"	6"	01-M 551	1	10
13/16"	3 1/8"	6"	01-M 552	1	10
53/64"	3 1/8"	6"	01-M 553	1	10
27/32"	3 1/8"	6"	01-M 554	1	10
55/64"	3 1/8"	6"	01-M 555	1	10
7/8"	3 1/8"	6"	01-M 556	1	10
57/64"	3 1/8"	6"	01-M 557	1	10
29/32"	3 1/8"	6"	01-M 558	1	10
59/64"	3 1/8"	6"	01-M 559	1	10
15/16"	3 1/8"	6"	01-M 560	1	10
61/64"	3 1/8"	6"	01-M 561	1	10
31/32"	3 1/8"	6"	01-M 562	1	10
63/64"	3 1/8"	6"	01-M 563	1	10
1"	3 1/8"	6"	01-M 600	1	10
1 1/16"	3 1/8"	6"	01-M 604	1	10
1 1/8"	3 1/8"	6"	01-M 608	1	10
1 3/16"	3 1/8"	6"	01-M 612	1	10
1 1/4"	3 1/8"	6"	01-M 616	1	10
1 5/16"	3 1/8"	6"	01-M 617	1	10
1 3/8"	3 1/8"	6"	01-M 618	1	10
1 7/16"	3 1/8"	6"	01-M 619	1	10
1 1/2"	3 1/8"	6"	01-M 620	1	10

Packaged in reusable plastic packaging. For sizes smaller than 39/64", use our jobber's length drill bits.

DRILL BIT SETS

Packaged in sturdy metal index containers or shock resistant, extra-thick polyethylene carrying case. Drill bit sizes are clearly marked on inside panels for easy identification and selection. The sets in metal boxes are ideal for use in a shop environment where they can be easily stored in a drawer or tool box. Sets in orange polyethylene carrying cases are an excellent option for contractors or off-site operations. They have a belt clip for ease of use and a threaded top that helps prevent the drill bits from going everywhere if the set is dropped.

Photo	Type	Sizes	Order No.	Qty Inside	Std. Pkg.	Std. Ctn.
A	SST+ 135° Jobbers length round shank, fractional	1/16" to 1/2" by 32 ^{nds}	01-E 606	15	1	10
B	SST+ 135° Jobbers length round shank, fractional	1/16" to 3/8" by 64 ^{ths}	01-E 621	21	1	10
C	SST 118° Jobbers length quick shank, fractional/polymer case	1/16" to 1/2" by 64 ^{ths}	01-E 178	29	1	10
C	SST+ 135° Jobbers length round shank, fractional/polymer case	1/16" to 1/2" by 64 ^{ths}	01-E 678	29	1	10
C	SST+ 135° 3/4" reduced shank, fractional/polymer case	1/16" to 1/2" by 64 ^{ths}	01-E 818	29	1	10
D	SST+ 135° Stub length quick shank, fractional/polymer case	1/16" to 1/2" by 64 ^{ths}	01-E 239	29	1	10
E	SST 118° Jobbers length quick shank, fractional/round case	1/16" to 1/2" by 64 ^{ths}	01-E 118	29	1	10
E	SST+ 135° Jobbers length round shank, fractional/round case	1/16" to 1/2" by 64 ^{ths}	01-E 618	29	1	10
F	SST+ 135° Jobbers length round shank, wire gauge	No. 1 to 60	01-E 619	60	1	10
G	SST+ 135° Prentice three flats, fractional	3/16" to 1" by 16 ^{ths}	01-E 708	8	1	10
H	SST+ 135° Jobbers length round shank, metric	1 to 13 mm by 0.5 mm	01-E 625	25	1	10



A
1/16" to 1/2" by 32^{nds}
15 drill bits



B
1/16" to 3/8" by 64^{ths}
21 drill bits



C
1/16" to 1/2" by 64^{ths}
29 Jobbers Length drill bits



D
1/16" to 1/2" by 64^{ths}
29 Stub Length drill bits



E
1/16" to 1/2" by 64^{ths}
29 drill bits



F
No. 1 to 60
60 wire gauge drill bits



G
3/16" to 1" by 16^{ths}
8 Prentice drill bits



H
1 to 13 mm by 0.5 mm
25 Metric drill bits



MULTI-STEP™ DRILL BITS

Now with the exclusive ICECUT coating

Multi-Step drill bits are the fastest and easiest way to enlarge holes in sheet metal and other materials up to 1/8" thick.

- ▷ *Special AlCrN coating provides additional toughness and wear resistance to prolong tooling life, even when compared to titanium based coatings such as TiN or TiAlN*
- ▷ *2 wide cylindrical flutes eliminate chip build-up for faster drilling and to produce holes with minimal vibration or distortion*
- ▷ *Each shank has three flats for easy mounting*
- ▷ *Spiral fluting is ideal to improve speed when working with cordless power tools*
- ▷ *Straight fluting is ideal to ensure you get the proper hole size without warping on corded power tools*

Type	Order No.	Type of flute	Shank Dia	Overall Length	Step qty	Step thick.	Step size	Std. Pkg.	Std. Ctn.
A	01-W 001	SPIRAL	1/4"	2 15/16"	13	1/8"	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"	1	10
B	01-W 005	SPIRAL	3/8"	3 1/4"	12	1/8"	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	1	10
C	01-W 011	SPIRAL	3/8"	2 3/4"	9	1/8"	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	1	10
D	01-W 012	SPIRAL	3/8"	3 3/16"	10	9/64"	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8"	1	10
E	01-W 021	SPIRAL	1/4"	3 1/8"	6	3/8"	3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	1	10
F	01-W 029	SPIRAL	3/8"	3 1/4"	10	1/8"	1/4", 13/32", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	1	10
A	01-W 101	STRAIGHT	1/4"	2 15/16"	13	1/8"	1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2"	1	10
B	01-W 105	STRAIGHT	3/8"	2 15/16"	12	1/8"	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	1	10
C	01-W 111	STRAIGHT	3/8"	2 3/4"	9	1/8"	1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	1	10
D	01-W 112	STRAIGHT	3/8"	3 3/16"	10	9/64"	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8"	1	10

Packaged in reusable plastic packaging.



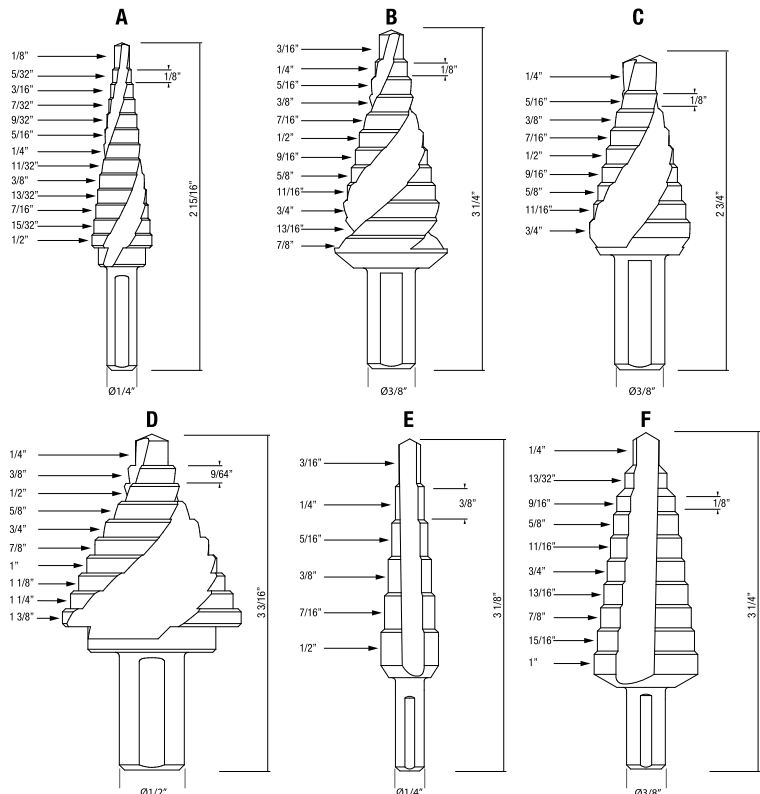
STEP DRILL SET

Contains the three Multi-Step bits needed for all hole sizes from 1 3/8".

Each kit contains:

- 01-W 001
- 01-W 005
- 01-W 012

Order No. 01-W 951



NEW

REAMERS

Best cutting performance, longest life

Made in the UK from premium high-speed steel, Walter reamers deliver the best cutting performance and longest life. They are the perfect tool for enlarging and aligning holes in separate pieces of metal. Tapered design enables ease of use and the shank with three flats makes use with hand-held drills hassle-free.



Dia.	Overall Length	Shank Dia.	Order No.	Std. Pkg.	Std. Ctn.
5/16"	5"	3/8"	01-P 005	1	10
3/8"	5"	3/8"	01-P 006	1	10
7/16"	5 1/4"	1/2"	01-P 007	1	10
1/2"	5 15/16"	1/2"	01-P 008	1	10
9/16"	5 15/16"	1/2"	01-P 009	1	10
5/8"	6 9/16"	1/2"	01-P 010	1	10
11/16"	7"	1/2"	01-P 011	1	10
3/4"	7"	1/2"	01-P 012	1	10
13/16"	7 1/4"	1/2"	01-P 013	1	10
7/8"	7 1/4"	1/2"	01-P 014	1	10
15/16"	7 1/4"	1/2"	01-P 015	1	10
1"	7 1/4"	1/2"	01-P 100	1	10
1 1/16"	7 1/4"	1/2"	01-P 101	1	10

REAMER SET

Reamers available in six different sizes in 1/8" increments from 3/8" diameter to 1" diameter. Walter's Reamer Kit is the perfect tooling to meet the majority of hole alignment and enlarging needs in metal pieces of all kinds.

Order No. 01-P 990

NEW

- ▷ 3/8" shank with three flats
- ▷ Reamers won't slip
- ▷ 5/16" to 1-1/16" diameter

MULTI-STEP™ REAMER

Enlarge holes easily and consistently

The new and innovative Multi-Step™ Reamer step drill makes enlarging holes easy and with consistent quality. 1/2" step thickness makes enlarging holes in sheet metal or even 1/2" metal plate a breeze. Ideal for enlarging or aligning stacked plates or pieces of metal up to a combined thickness of 1/2". Plus, the 3/8" shank with three flats makes using the Multi-Step™ Reamer step drill in drill chucks easy. Reamers won't slip! Available in three individual sizes, with five steps each, ranging from 5/16" to 1-1/16" diameter.



Order No.	Overall Length	Flute Length	Step qty	Step thick.	Step size	Std. Pkg.	Std. Ctn.
01-W 151	4 1/8"	3"	5	1/2"	5/16", 3/8", 13/32", 7/16", 1/2", 9/16"	1	10
01-W 152	4 1/4"	3 3/16"	5	1/2"	9/16", 5/8", 11/16", 3/4", 13/16"	1	10
01-W 153	4 3/8"	3 3/16"	5	1/2"	13/16", 7/8", 15/16", 1", 1 1/16"	1	10

STEP DRILL REAMER SET

The Multi-Step™ reamer step drill kit comes in three different sizes, providing only the only tools you'll need to enlarge holes in metal plates up to 1/2" thick – from 5/16" diameter all the way to 1-1/16".

Order No. 01-W 995



COUNTERSINKS

Now with the exclusive ICECUT coating

Made of M2Al to minimize vibration and maximize product life. Also features an exclusive AlCrN coating to provide greater heat resistance to further extend product life. The 82° point angle is ideal for countersinking but they can also be used for deburring and chamfering in steel, stainless steel and non-ferrous metals

- ▷ Thicker teeth for added stability
- ▷ Special coating reducing frictional heat
- ▷ Exclusive coating for optimized tool life
- ▷ Special tip geometry for a uniform chamfer



COUNTERSINKS

Dia.	Angle	Overall Length	Shank Dia.	Order No.	Std. Pkg.	Std. Ctn.
1/4"	82°	2"	3/16"	01-U 004	1	10
5/16"	82°	2"	1/4"	01-U 005	1	10
3/8"	82°	2"	5/16"	01-U 006	1	10
1/2"	82°	2"	5/16"	01-U 008	1	10
5/8"	82°	2 1/4"	3/8"	01-U 010	1	10
3/4"	82°	2 3/4"	3/8"	01-U 012	1	10
1"	82°	2 3/4"	3/8"	01-U 100	1	10

Packaged in reusable plastic packaging.

COUNTERSINKS

Dia.	Angle	Overall Length	Shank Dia.	Order No.	Std. Pkg.	Std. Ctn.
1"	82°	1 3/4"	3/4"	01-U 400	1	10
1 1/2"	82°	2"	3/4"	01-U 408	1	10
2"	82°	2 1/4"	3/4"	01-U 500	1	10

Packaged in reusable plastic packaging.



COUNTERSINK SET

Contains the four most popular countersinks (sizes 1/4", 3/8", 1/2", 3/4") and cutting lubricant. Packaged in a reclosable resistant plastic case.

Each kit contains:

- 01-U 004
- 01-U 006
- 01-U 008
- 01-U 012
- 01-U 100

Order No. 01-U 950



Tech tip!

For increased cutting efficiency and tool life, use COOLCUT solid stick lubricant

Order No.: 53-B 013

SST™ HIGH PERFORMANCE POWER TAPS

Specially designed for use on reversible portable drills, SST™ power taps are guaranteed to work faster and last longer than standard taps in steel, stainless steel and other ferrous or non-ferrous metals. SST™ power taps eliminate slow hand tapping to increase productivity and reduce overall production costs.

GUARANTEED
TO TAP FASTER
AND LAST LONGER

Tap Size	Overall Length	Drill Size	Order No.	Std. Pkg.	Std. Ctn.
6-32 NC	2 1/2"	#36	03-A 561	1	10
6-40 NF	2 1/2"	#33	03-A 564	1	10
8-32 NC	2 19/16"	#29	03-A 581	1	10
8-36 NF	2 19/16"	#29	03-A 584	1	10
10-24 NC	2 19/16"	#25	03-A 601	1	10
10-32 NF	2 19/16"	#21	03-A 604	1	10
12-24 NC	3 3/16"	#16	03-A 621	1	10
12-28 NF	3 3/16"	#15	03-A 624	1	10
1/4"-20 NC	3 3/16"	#7	03-B 541	1	10
1/4"-28 NF	3 3/16"	#3	03-B 544	1	10
5/16"-18 NC	3 11/16"	F	03-B 551	1	10
5/16"-24 NF	3 11/16"	I	03-B 554	1	10
3/8"-16 NC	4 3/32"	5/16"	03-B 561	1	10
3/8"-24 NF	4 3/32"	Q	03-B 564	1	10
7/16"-14 NC	4 3/32"	U	03-B 571	1	10
7/16"-20 NF	3 19/16"	25/64"	03-B 574	1	10
1/2"-13 NC	4 5/16"	27/64"	03-B 581	1	10
1/2"-20 NF	4 5/16"	29/64"	03-B 584	1	10
9/16"-12 NC	4 5/16"	31/64"	03-B 591	1	10
9/16"-18 NF	4 5/16"	33/64"	03-B 594	1	10
5/8"-11 NC	4 5/16"	17/32"	03-B 601	1	10
5/8"-18 NF	4 5/16"	37/64"	03-B 604	1	10
3/4"-10 NC	4 5/16"	21/32"	03-B 621	1	10
3/4"-16 NF	4 5/16"	11/16"	03-B 624	1	10
7/8"-9 NC	4 5/16"	49/64"	03-B 641	1	10
7/8"-14 NF	4 5/16"	19/16"	03-B 644	1	10
1"-8 NC	4 5/16"	7/8"	03-B 661	1	10
1"-12 NF	4 5/16"	59/64"	03-B 664	1	10

Tap drill size marked on shank (tap sizes 12-24 and over).
Packaged in reusable plastic packaging.



- ▶ 3 flats to fit any drill chuck without slippage
- ▶ Special power tip ejects chips ahead of tap and self-aligns with hole axis for high quality threads
- ▶ Premium HSS body, ground threads, 3-flute plug style with SST surface treatment for long tap life
- ▶ Special long and resistant shank for tapping deep or difficult to reach holes

SST power taps and drill bit sets

Power taps:

10-24 NC, 10-32 NF, 1/4"-20 NC, 5/16"-18 NC and 3/8"-16 NC

Drill bits:

#25, #21, #7, F and 5/16"

Order No. 03-B 952



NC SST power taps and drill bit sets

Power taps:

6-32 NC, 8-32 NC, 10-24 NC, 12-24 NC 1/4"-20 NC, 5/16"-18 NC, 3/8"-16 NC, 7/16"-14 NC and 1/2"-13 NC

Drill bits:

#36, #29, #25, #16, #7, F, 5/16", U and 27/64"

Order No. 03-B 953



NF SST power taps and drill bit sets

Power taps:

6-40 NF, 8-36 NF, 10-32 NF, 12-28 NF, 1/4"-28 NF, 5/16"-24 NF, 3/8"-24 NF, 7/16"-20 NF and 1/2"-20 NF

Drill bits:

#33, #29, #21, #15, #3, I, Q, 25/64" and 29/64"

Order No. 03-B 954

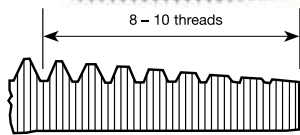


Tech tip!

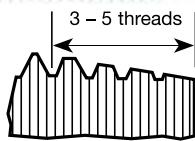
For increased cutting efficiency and tool life, use TAPCUT lubricant (see next page)



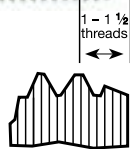
Taper



Plug



Bottoming



TAPCUT™

Thread cutting lubricant

Specially formulated to improve life and tapping speed when working with taps and dies.

Desc.	Size	Order No.	MSDS	Std. Pkg.
	Metric US Gal			
Squ.bottle	350 ml 11.8 oz	53-A 103	L-115E	12
Liquid	20 L 5.2 gal	53-A 107	L-115E	1
Accessories			Order No.	
Spout for 20 L pail		53-L 207		

SST+ HSS™ HAND TAPS

Made from premium quality high speed steel with ground threads, hardened and tempered for longest life in a variety of materials.

- ▷ Precision ground threads with eccentric relief for free cutting action
- ▷ Three and four flute designs
- ▷ Available in three chamfer lengths for through or blind hole tapping
- ▷ Special bronze SST surface treatment to improve life and tapping speed

MACHINE SCREW AND FRACTIONAL SIZES

Tap Size x Threads per inch	Drill Size	Taper	Plug	Bottoming	Std. Pkg.	Std. Ctn.
4-40 NC	#43	03-A 041	03-A 042	03-A 043	3	30
5-40 NC	#38	03-A 051	03-A 052	03-A 053	3	30
6-32 NC	#36	03-A 061	03-A 062	03-A 063	3	30
8-32 NC	#29	03-A 081	03-A 082	03-A 083	3	30
10-24 NC	#25	03-A 101	03-A 102	03-A 103	3	30
10-32 NF	#21	03-A 104	03-A 105	03-A 106	3	30
12-24 NC	#16	03-A 121	03-A 122	03-A 123	3	30
1/4"-20 NC	#7	03-B 041	03-B 042	03-B 043	3	30
1/4"-28 NF	#3	03-B 044	03-B 045	03-B 046	3	30
5/16"-18 NC	F	03-B 051	03-B 052	03-B 053	3	30
5/16"-24 NF	17/64"	03-B 054	03-B 055	03-B 056	3	30
3/8"-16 NC	9/16"	03-B 061	03-B 062	03-B 063	3	30
3/8"-24 NF	21/64"	03-B 064	03-B 065	03-B 066	3	30
7/16"-14 NC	U	03-B 071	03-B 072	03-B 073	3	30
7/16"-20 NF	25/64"	03-B 074	03-B 075	03-B 076	3	30
1/2"-13 NC	27/64"	03-B 081	03-B 082	03-B 083	3	30
1/2"-20 NF	29/64"	03-B 084	03-B 085	03-B 086	3	30
9/16"-12 NC	31/64"	03-B 091	03-B 092	03-B 093	1	10
9/16"-18 NF	33/64"	03-B 094	03-B 095	03-B 096	1	10
5/8"-11 NC	17/32"	03-B 101	03-B 102	03-B 103	1	10
5/8"-18 NF	37/64"	03-B 104	03-B 105	03-B 106	1	10
3/4"-10 NC	21/32"	03-B 121	03-B 122	03-B 123	1	10
3/4"-16 NF	11/16"	03-B 124	03-B 125	03-B 126	1	10
7/8"-9 NC	49/64"	03-B 141	03-B 142	03-B 143	1	10
7/8"-14 NF	13/16"	03-B 144	03-B 145	03-B 146	1	10
1"-8 NC	7/8"	03-B 161	03-B 162	03-B 163	1	10
1"-12 NF	7/8"	03-B 164	03-B 165	03-B 166	1	10

Packaged in reusable plastic packaging.

METRIC SIZES

Tap Size x Pitch (mm)	Taper	Std. Pkg.	Std. Ctn.
3.0 x .50	03-D 031	3	30
4.0 x .70	03-D 041	3	30
5.0 x .80	03-D 051	3	30
6.0 x 1.00	03-D 061	3	30
8.0 x 1.25	03-D 081	3	30
10.0 x 1.50	03-D 101	3	30
12.0 x 1.75	03-D 121	3	30

Packaged in reusable plastic packaging.

TAPER PIPE TAPS (NPT)

Made from tough carbon alloy tool steel to cut new threads or repair damaged threads in pipe fittings. For use in steel and non-ferrous metals.



Nominal Size Inch	Thread per inch	Drill Size	Order No.	Std. Pkg.	Std. Ctn.
1/16"	27	D	02-C 010	1	10
1/8"	27	11/32"	02-C 020	1	10
1/4"	18	7/16"	02-C 040	1	10
3/8"	18	37/64"	02-C 060	1	10
1/2"	14	45/64"	02-C 080	1	10
3/4"	14	59/64"	02-C 120	1	10
1"	11 1/2	1 5/32"	02-C 160	1	10
1 1/4"	11 1/2	1 1/2"	02-C 200	1	10
1 1/2"	11 1/2	1 47/64"	02-C 240	1	10
2"	11 1/2	2 7/32"	02-C 320	1	10

Packaged in reusable plastic packaging.

TAPER PIPE TAP SET

Contains one of each of the following NPT taps:
 1/8": 02-C 020
 1/4": 02-C 040
 3/8": 02-C 060
 1/2": 02-C 080
 Order No. 02-C 500



Tech tip!

For increased cutting efficiency and tool life, use TAPCUT lubricant

TAP WRENCHES

Premium quality tool stock, all jaws and set screws are hardened and tempered for optimum tool life.

ADJUSTABLE TAP WRENCHES

No.	Capacity	Order No.	Std. Pkg.	Std. Ctn.
1	1/16" - 1/4"	02-W 010	1	10
1 1/2	3/16" - 1/2"	02-W 015	1	10
3	1/4" - 3/4"	02-W 030	1	10
4	3/8" - 1"	02-W 040	1	10

Packaged in reusable plastic packaging.

T-HANDLE TAP WRENCH WITH 3-POSITION RATCHET

No.	Capacity	Order No.	Std. Pkg.	Std. Ctn.
1-T	5/32 to 1/4"	02-W 100	1	10
2-T	1/4" to 1/2"	02-W 200	1	10

Packaged in reusable plastic packaging.

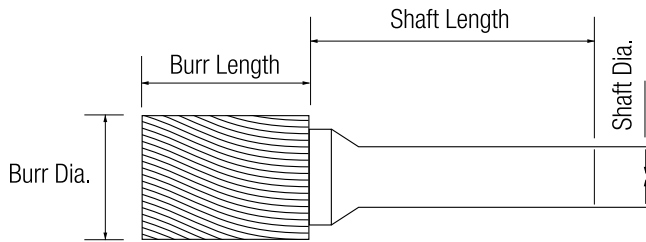




CARBIDE BURRS

High performance

Walter carbide burrs are made from the highest grade tungsten carbide and are manufactured to ensure perfect concentricity and balance. This means you get a product that is safer, removes material faster and is guaranteed to provide the longest working life in the industry.















HIGH STRENGTH BRAZED JOINT GUARANTEED TO PREVENT BREAKAGE

- ▶ *Precise manufacturing – Burrs run perfectly true without vibration*
- ▶ *First grade tungsten carbide – For the toughest applications in a wide range of materials*
- ▶ *Exclusive tooth design – Guarantees maximum cutting performance*
- ▶ *Advanced flute geometry – Ensures maximum cutting capacity and chip evacuation from tip to bottom*

1/4" SHANK Ø, DOUBLE CUT



Burr Dia. x Length	USCTI Type	Std. Lgth. Order No.	6" Shank Order No.	Std. Pkg.	Std. Ctn.
Cylindrical (SA)					
 1/4" x 5/8"	SA-1	01-V 001	01-V 601	1	10
5/16" x 3/4"	SA-2	01-V 037		1	10
3/8" x 3/4"	SA-3	01-V 002	01-V 602	1	10
7/16" x 1"	SA-4	01-V 038		1	10
1/2" x 1"	SA-5	01-V 004	01-V 604	1	10
5/8" x 1"	SA-6	01-V 055		1	10
Cylindrical (SB)					
 1/4" x 5/8"	SB-1	01-V 056		1	10
3/8" x 3/4"	SB-3	01-V 057		1	10
1/2" x 1"	SB-5	01-V 059		1	10
Cylindrical round nose (SC)					
 1/4" x 5/8"	SC-1	01-V 005	01-V 605	1	10
5/16" x 3/4"	SC-2	01-V 039		1	10
3/8" x 3/4"	SC-3	01-V 006	01-V 606	1	10
7/16" x 1"	SC-4	01-V 040		1	10
1/2" x 1"	SC-5	01-V 007	01-V 607	1	10
5/8" x 1"	SC-6	01-V 062		1	10
3/4" x 1"	SC-7	01-V 073		1	10
Ball (SD)					
 1/4" x 7/32"	SD-1	01-V 009	01-V 609	1	10
3/8" x 5/16"	SD-3	01-V 010	01-V 610	1	10
1/2" x 7/16"	SD-5	01-V 026	01-V 626	1	10
5/8" x 9/16"	SD-6	01-V 011		1	10
Egg (SE)					
 3/8" x 5/8"	SE-3	01-V 027		1	10
1/2" x 7/8"	SE-5	01-V 028		1	10
Tree (SF)					
 1/4" x 5/8"	SF-1	01-V 041	01-V 641	1	10
5/16" x 5/8"	SF-2	01-V 042		1	10
3/8" x 3/4"	SF-3	01-V 014	01-V 614	1	10
7/16" x 1"	SF-4	01-V 043		1	10
1/2" x 1"	SF-5	01-V 015	01-V 615	1	10
5/8" x 1"	SF-6	01-V 066		1	10
Tapered (SG)					
 1/4" x 5/8"	SG-1	01-V 044	01-V 644	1	10
5/16" x 3/4"	SG-2	01-V 045		1	10
3/8" x 3/4"	SG-3	01-V 046	01-V 646	1	10
1/2" x 1"	SG-5	01-V 013	01-V 613	1	10
Flame (SH)					
 5/16" x 3/4"	SH-3	01-V 029		1	10
1/2" x 1 1/4"	SH-5	01-V 030		1	10
Cone 90° (SK)					
 3/8" x 1/8"	SK-3	01-V 067		1	10
1/2" x 1/4"	SK-5	01-V 068		1	10
Cone (SL)					
 1/4" x 5/8"	SL-1 14°	01-V 017		1	10
5/16" x 7/8"	SL-2	01-V 051		1	10
3/8" x 1 1/16"	SL-3 14°	01-V 031	01-V 631	1	10
1/2" x 1 1/8"	SL-4 14°	01-V 032		1	10
5/8" x 3/16"	SL-5	01-V 052	01-V 652	1	10
Conical (SM)					
 1/4" x 1/2"	SM-1	01-V 047		1	10
1/4" x 3/4"	SM-2	01-V 048		1	10
1/4" x 1"	SM-3	01-V 049		1	10
3/8" x 5/8"	SM-4	01-V 050		1	10
1/2" x 7/8"	SM-5 28°	01-V 018		1	10
Inverted cone (SN)					
 1/4" x 1/2"	SN-1	01-V 070		1	10
1/4" x 3/4"	SN-2	01-V 071		1	10
1/4" x 1"	SN-4	01-V 072		1	10

1/4" SHANK Ø, NON-FERROUS, ALUMINUM AND SOFT METALS



Burr Dia. x Length	USCTI Type	Order No.	Std. Pkg.	Std. Ctn.
3/8" x 3/4"	SA-3	01-V 003	1	10
1/2" x 1"	SA-5	01-V 054	1	10
3/8" x 3/4"	SB-3	01-V 058	1	10
1/4" x 5/8"	SC-1	01-V 060	1	10
3/8" x 3/4"	SC-3	01-V 061	1	10
1/2" x 1"	SC-5	01-V 008	1	10
1/2" x 1/2"	SD-5	01-V 063	1	10
1/2" x 7/8"	SE-5	01-V 064	1	10
3/8" x 3/4"	SF-3	01-V 065	1	10
1/2" x 1"	SF-5	01-V 016	1	10
3/8" x 1 1/4"	SL-3	01-V 036	1	10
1/2" x 1 1/8"	SL-4	01-V 069	1	10



CARBIDE BURR PRODUCTION KIT

Contains one of each of the following:
01-V 002, 006, 011, 015 and 018

Order No. 01-V 990

1/4" SHANK Ø, HARD ALLOYS



Burr Dia. x Length	USCTI Type	Order No.	Std. Pkg.	Std. Ctn.
1/2" x 1"	SC-5	01-V 033	1	10
1/2" x 1"	SF-5	01-V 034	1	10
1/2" x 1 1/8"	SL-4	01-V 035	1	10

5-PIECE ALU CUT CARBIDE BURR KIT

Order No. 01-V 995

1/8" SHANK Ø, DOUBLE CUT



Burr Dia. x Length	USCTI Type	Order No.	Std. Pkg.	Std. Ctn.
1/8" x 3/16"	SA-43	01-V 020	1	10
1/8" x 1/8"	SD-42	01-V 021	1	10
1/8" x 1/2"	SF-42	01-V 022	1	10
1/8" x 1/2"	SG-44	01-V 023	1	10
1/8" x 1/2"	SL-42	01-V 024	1	10
1/8" x 7/16"	SM-42 12°	01-V 025	1	10

10-PIECE DOUBLE CUT CARBIDE BURR KIT

Order No. 01-V 996

Burr diameter	Maximum cutting speed (RPM)	
	for standard length burrs	for 6" long burrs
1/4"	70,000	35,000
5/16"	68,000	34,000
3/8"	66,000	33,000
7/16"	58,000	29,000
1/2"	50,000	25,000
5/8"	40,000	20,000

For safety reasons, never use the 6" tungsten carbide burrs below 20,000 RPM.

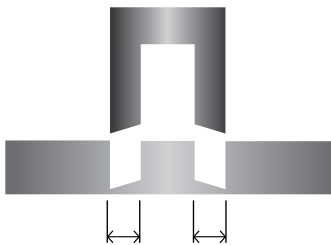
Material	Double cut		Material	Non-ferrous	
	Double cut	Non-ferrous		Double cut	Non-ferrous
Aluminum	-	x	Steel - 45-55Rc	x	-
Brass	x	x	Steel - 55-60Rc	x	-
Bronze	x	-	Steel - Carbon	x	-
Cast iron	x	-	Steel - Nickel Chrome	x	-
Copper	-	x	Steel - Stainless	x	-
Carbon fiber	-	x	Steel - Weldments	x	-
Fiberglass	x	-	Titanium	x	-
Hard rubber	x	-	Zinc	-	x
Inconel	x	-			
Magnesium	-	x			
Plastics	x	-			



HIGH PERFORMANCE ANNULAR CUTTERS

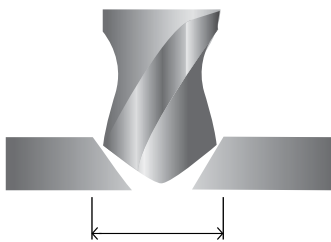
When drilling large holes through thick, flat metal surfaces, it is often more cost effective to use an annular cutter, which cuts at the circumference of the circle, instead of cutting through the entire area of the circle. This allows you to make holes faster and more efficiently.

Annular cutters



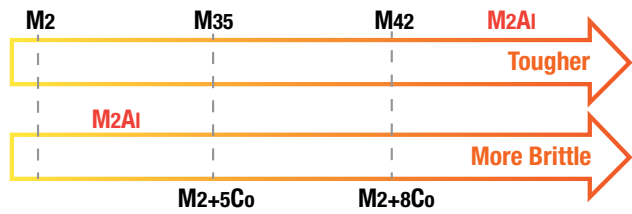
Less metal to metal contact reduces friction, reducing heat, increasing tool life and efficiency

Regular twist drills



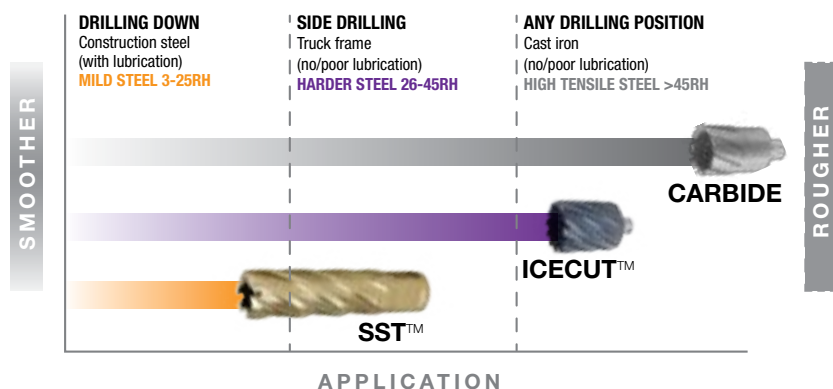
More metal to metal contact increases friction and heat, causing tooling to wear prematurely and resulting in longer cutting time

Walter annular cutters are tougher because they are made with a sophisticated high speed steel and aluminum blend (M2Al). This advanced HSS blend extends the life of the core cutters by providing excellent toughness and durability, while also reducing the brittleness of the cutter. Conventional cutting tools are typically enhanced with cobalt to increase the resistance to wear (M35 or M42). However, as more cobalt is added, the product actually becomes more brittle, which increases the risk of breakage under load. Through a graduated hardening of the cutter body, and by adding aluminum to the base material, Walter core cutters have more “micro-flexibility” than M35 or M42 core cutters. This makes Walter HSS annular cutters less brittle than a regular M42 annular cutter, and also makes them last much longer than other high speed steels. An exclusive triple tooth design and special fluting angle help optimize chip evacuation and eliminate chip debris. Walter’s exclusive AlCrN coating on the ICECUT™ line of coated annular cutters forms a nano-sized lubrication layer when heated, making it self-lubricating and preventing materials from sticking, melting or deforming during hole-making. The ICECUT™ annular cutters provide the longest life of all coated HSS annular cutters.



Adding Cobalt makes cutters more resistant to wear, but also more brittle which makes them more susceptible to breakage under pressure. M2Al provides an ideal blend of extreme toughness without a kind of “micro-flexibility” not found in standard cobalt blends.

HIGH PERFORMANCE ANNULAR CUTTERS



Recommended usage

	SST Core Cut	Icecut	Carbide Core Cut
SPECIFICATIONS			
Diameter Range	1/2" - 2 3/8"	1/2" - 2 3/8"	1/2" - 2 3/8"
Drilling Depth	1" and 2"	1" and 2"	1 1/2" and 2"
Shank Size	3/4"	3/4"	3/4"
Shank Type	Universal & Weldon shank with 2 flats	Universal & Weldon shank with 2 flats	Universal & Weldon shank with 2 flats
MATERIAL			
Mild Steel (3 to 25 HRC)	✓	✓	✓
Harder Steel (26 to 45 HRC)	✓	✓	✓
Stainless Steel (300 and 400 series)	✓	✓	✓
Cast Iron	—	✓	✓
Aluminum	✓	✓	✓
Brass and Bronze	✓	✓	✓
Hardox / Scandia	—	—	✓
Rough / Uneven material	—	—	✓
Railroad Track	—	—	✓
CHARACTERISTICS			
Cutting Speed	Fast	Very Fast	Extra Fast
Cutter Life	Long	Very Long	Extra Long

✓ Highly Recommended

✓ Recommended

CUTTING LUBRICANTS

To improve the life and cutting speed of annular cutters, we highly recommend that you use these Walter high performance cutting lubricants.



Material worked on	Description	Order No.	Size	MSDS
Mild and hard steel	COOLCUT, solid stick	53-B 013	300 g	L-22E
Mild and hard steel	ICECUT, liquid	* 53-C 055	3.78 L	L-122E
Mild and hard steel	ICECUT, liquid	* 53-C 057	20 L	L-122E
Aluminum	ALUCUT, solid stick	53-B 303	300 g	L-04E
All metals	TAPCUT, bottle	53-A 103	350 ml	L-115E
All metals	TAPCUT, liquid	53-A 105	3.78 L	L-115E
All metals	TAPCUT, liquid	53-A 107	20 L	L-115E

* ICECUT lubricants are biodegradable

SST™ CORE CUT ANNULAR CUTTERS

Guaranteed to outperform all uncoated cutters

Super Speed Tip (SST) Core Cutters are made with state-of-the-art surface treatment technology that removes porosity during the fabrication process. This creates a perfectly smooth finish which allows for a better evacuation of material while drilling. It also helps to improve product life and reduce drilling time as it decreases friction with the work surface, which in turn reduces the amount of heat generated.



Diameter		Pqt std	Weldon Shank			Universal Shank	
Inches	mm		1" cutters Order No.	2" cutters Order No.	3" cutters Order No.	1" cutters Order No.	2" cutters Order No.
Use with pilot pin			05-Z 001	05-Z 002	05-Z 018	05-Z 029	05-Z 002
7/16"	11.1	1				05-E 007	
1/2"	12.7	1				05-Z 001	05-Z 001
9/16"	14.3	1	05-A 008	05-A 308		05-E 008	05-E 308
5/8"	15.9	1	05-A 009	05-A 309		05-E 009	05-E 309
11/16"	17.5	1	05-A 010	05-A 310		05-E 010	05-E 310
3/4"	19.0	1	05-A 011	05-A 311	05-A 611	05-E 011	05-E 311
13/16"	20.6	1	05-A 012	05-A 312		05-E 012	05-E 312
7/8"	22.2	1	05-A 013	05-A 313	05-A 613	05-E 013	05-E 313
15/16"	23.8	1	05-A 014	05-A 314		05-E 014	05-E 314
1"	25.4	1	05-A 015	05-A 315	05-A 615	05-E 015	05-E 315
1 1/16"	27.0	1	05-A 100	05-A 400		05-E 100	05-E 400
1 1/8"	28.6	1	05-A 101	05-A 401	05-A 701	05-E 101	05-E 401
1 1/4"	30.2	1	05-A 102	05-A 402		05-E 102	05-E 402
1 3/8"	31.8	1	05-A 103	05-A 403		05-E 103	05-E 403
1 1/2"	33.3	1	05-A 104	05-A 404		05-E 104	05-E 404
1 5/8"	34.9	1	05-A 105	05-A 405		05-E 105	05-E 405
1 3/4"	36.5	1	05-A 106	05-A 406		05-E 106	05-E 406
1 7/8"	38.1	1	05-A 107	05-A 407		05-E 107	05-E 407
1 15/16"	39.7	1	05-A 108	05-A 408		05-E 108	05-E 408
2"	41.3	1	05-A 109	05-A 409			05-E 409
2 1/16"	44.5	1	05-A 110	05-A 410			
2 1/8"	46.0	1	05-A 112	05-A 412			
2 1/4"	47.6	1	05-A 113	05-A 413			
2 3/8"	49.2	1	05-A 114	05-A 414			
2 1/2"	51.0	1	05-A 115	05-A 415			
2 5/8"	52.4	1	05-A 200	05-A 500			
2 3/4"	54.0	1	05-A 201	05-A 501			
2 7/8"	55.6	1	05-A 202	05-A 502			
2 15/16"	57.2	1	—	05-A 503			
3"	58.7	1		05-A 504			
3 1/8"	60.3	1		05-A 505			
3 1/4"				05-A 506			

- ▷ Drills faster
- ▷ Lasts longer
- ▷ Universal shank
- ▷ Exclusive SST surface treatment
- ▷ Multiple tooth design



SST CORE CUT KITS

- Special bronze SST surface treatment
- Weldon shank

1" annular cutter kit
Order no. 05-A 991

2" annular cutter kit
Order no. 05-A 992

Includes 1 of each diameter:
9/16", 11/16", 13/16", 15/16", 1",
1-1/16" and pilot pin

Packaged in reusable plastic packaging.

Other sizes are available upon special request. Please speak with your Walter sales representative.

ICECUT™ ANNULAR CORE CUTTERS

Guaranteed to drill more holes in less time!

ICECUT annular cutters are coated with an exclusive mixture of chromium and aluminum (AlCrN) and are designed to be used where lubricants are not permitted or problematic to apply. This new technology outperforms any annular core cutters coated with Titanium (TiN) or Titanium-Aluminum (TiAlN). By incorporating a chromium aluminum blend into the coating, Walter ICECUT annular cutters generate less heat and can withstand temperatures at least 200°C higher than conventional TiAlN cutters. This exclusive coating makes the ICECUT more resistant to higher stress under load and impact.

- ▷ *Well known quality and durability*
- ▷ *Lasts longer than uncoated core cutters*
- ▷ *Exclusive ICECUT AlCrN coating*
- ▷ *Fully ground extra large flutes*



ICECUT CORE CUT KITS

- Exclusive ICECUT™ surface coating
- Weldon shank

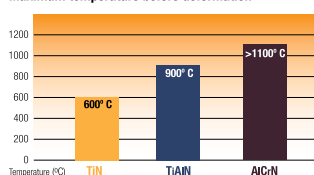
1" annular cutter kit
Order no. 05-B 991

2" annular cutter kit
Order no. 05-B 992

Includes 1 of each diameter:

9/16", 11/16", 13/16", 15/16", 1", 1-1/16" and pilot pin

Maximum temperature before deformation



Diameter		Std pkg	Weldon Shank				Universal Shank	
Inches	mm		1" cutters Order no.	2" cutters Order no.	3" cutters Order no.	4" cutters Order no.	1" cutters Order no.	2" cutters Order no.
Use with pilot pin			05-Z 001	05-Z 002	05-Z 018 05-Z 032	05-Z 031 05-Z 033	05-Z 001	05-Z 002
7/16"	11.1	1					05-F 007*	05-F 307*
							*Use with pilot pin 05-Z 029	*Use with pilot pin 05-Z 030
1/2"	12.7	1	05-B 008	05-B 308			05-F 008	05-F 308
9/16"	14.3	1	05-B 009	05-B 309			05-F 009	05-F 309
5/8"	15.9	1	05-B 010	05-B 310			05-F 010	05-F 310
11/16"	17.5	1	05-B 011	05-B 311	05-B 611	05-B 811	05-F 011	05-F 311
3/4"	19.0	1	05-B 012	05-B 312			05-F 012	05-F 312
13/16"	20.6	1	05-B 013	05-B 313	05-B 613	05-B 813	05-F 013	05-F 313
7/8"	22.2	1	05-B 014	05-B 314			05-F 014	05-F 314
15/16"	23.8	1	05-B 015	05-B 315	05-B 615	05-B 815	05-F 015	05-F 315
1"	25.4	1	05-B 100	05-B 400			05-F 100	05-F 400
1 1/16"	27.0	1	05-B 101	05-B 401	05-B 701	05-B 901	05-F 101	05-F 401
1 1/8"	28.6	1	05-B 102	05-B 402			05-F 102	05-F 402
1 3/16"	30.2	1	05-B 103	05-B 403			05-F 103	05-F 403
1 1/4"	31.8	1	05-B 104	05-B 404			05-F 104	05-F 404
1 5/16"	33.3	1	05-B 105	05-B 405			05-F 105	05-F 405
1 3/8"	34.9	1	05-B 106	05-B 406			05-F 106	05-F 406
1 7/16"	36.5	1	05-B 107	05-B 407			05-F 107	05-F 407
1 1/2"	38.1	1	05-B 108	05-B 408			05-F 108	05-F 408
1 9/16"	39.7	1	05-B 109	05-B 409				
1 5/8"	41.3	1	05-B 110	05-B 410				
1 3/4"	44.5	1	05-B 112	05-B 412				
1 13/16"	46.0	1	05-B 113	05-B 413				
1 7/8"	47.6	1	05-B 114	05-B 414				
1 15/16"	49.2	1	05-B 115	05-B 415				
2"	51.0	1	05-B 200	05-B 500				
2 1/16"	52.4	1	05-B 201	05-B 501				
2 1/8"	54.0	1	05-B 202	05-B 502				
2 3/16"	55.6	1		05-B 503				
2 1/4"	57.2	1		05-B 504				
2 5/16"	58.7	1		05-B 505				
2 3/8"	60.3	1		05-B 506				

Packaged in reusable plastic packaging.

Other sizes are available upon special request. Please speak with your Walter sales representative.

CARBIDE CORE CUT ANNULAR CUTTERS

Top performance and maximum productivity on hard metals and uneven surfaces!

Walter Carbide Core Cut annular cutters accurately drill large diameter holes in a variety of hard or abrasive materials such as stainless steel, cast iron, tough alloys or composite materials. They outperform and outlast conventional HSS cutters and allow for higher speed and feed rates while requiring less effort to cut through some of the industry's toughest metals.

3/4" Weldon Shank					Universal Shank					
Dia. Inches	1 1/2" cutters Order No.	2" cutters Order No.	3" cutters Order No.	4" cutters Order No.	Dia. mm	30 mm Order No.	55 mm Order No.	Dia. Inches	1" cutters Order No.	2" cutters Order No.
Use with pilot pin					05-Z 019			05-Z 021		
1/2"	05-D 008	05-D 308			12 mm	05-F 112	05-F 212	1/2"	05-H 008	05-H 308
9/16"	05-D 009	05-D 309			13 mm	05-F 113	05-F 213	9/16"	05-H 009	05-H 309
5/8"	05-D 010	05-D 310			14 mm	05-F 114	05-F 214	5/8"	05-H 010	05-H 310
11/16"	05-D 011	05-D 311			15 mm	05-F 115	05-F 215	11/16"	05-H 011	05-H 311
					16 mm	05-F 116	05-F 216	Use with pilot pin		
					17 mm	05-F 117	05-F 217	05-Z 028	05-Z 022	
Use with pilot pin					05-Z 020			05-Z 022		
3/4"	05-D 012	05-D 312		05-D 812	18 mm	05-F 118	05-F 218	3/4"	05-H 012	05-H 312
13/16"	05-D 013	05-D 313	05-D 613	05-D 813	19 mm	05-F 119	05-F 219	13/16"	05-H 013	05-H 313
7/8"	05-D 014	05-D 314			20 mm	05-F 120	05-F 220	7/8"	05-H 014	05-H 314
15/16"	05-D 015	05-D 315	05-D 615	05-D 815	21 mm	05-F 121	05-F 221	15/16"	05-H 015	05-H 315
1"	05-D 100	05-D 400	05-D 700	05-D 900	22 mm	05-F 122	05-F 222	1"	05-H 100	05-H 400
1 1/16"	05-D 101	05-D 401	05-D 701	05-D 901	23 mm	05-F 123	05-F 223	1 1/16"	05-H 101	05-H 401
1 1/8"	05-D 102	05-D 402			24 mm	05-F 124	05-F 224	1 1/8"	05-H 102	05-H 402
1 3/16"	05-D 103	05-D 403			25 mm	05-F 125	05-F 225	1 3/16"	05-H 103	05-H 403
1 1/4"	05-D 104	05-D 404			26 mm	05-F 126	05-F 226	1 1/4"	05-H 104	05-H 404
1 5/16"	05-D 105	05-D 405			27 mm	05-F 127	05-F 227	1 5/16"	05-H 105	05-H 405
1 3/8"	05-D 106	05-D 406			28 mm	05-F 128	05-F 228	1 3/8"	05-H 106	05-H 406
1 7/16"	05-D 107	05-D 407			29 mm	05-F 129	05-F 229	1 7/16"	05-H 107	05-H 407
1 1/2"	05-D 108	05-D 408			30 mm	05-F 130	05-F 230	1 1/2"	05-H 108	05-H 408
1 9/16"	05-D 109	05-D 409			31 mm	05-F 131	05-F 231			
1 5/8"	05-D 110	05-D 410			32 mm	05-F 132	05-F 232			
1 3/4"	05-D 112	05-D 412			33 mm	05-F 133	05-F 233			
1 13/16"	05-D 113	05-D 413			34 mm	05-F 134	05-F 234			
1 7/8"	05-D 114	05-D 414			35 mm	05-F 135	05-F 235			
1 15/16"	05-D 115	05-D 415			36 mm	05-F 136	05-F 236			
2"	05-D 200	05-D 500	05-D 716	05-D 916	37 mm	05-F 137	05-F 237			
2 1/16"	05-D 201	05-D 501			38 mm	05-F 138	05-F 238			
2 1/8"	05-D 202	05-D 502			39 mm	05-F 139	05-F 239			
2 3/16"		05-D 503			40 mm	05-F 140	05-F 240			
2 1/4"		05-D 504	05-D 720	05-D 920	41 mm	05-F 141	05-F 241			
2 5/16"		05-D 505			42 mm	05-F 142	05-F 242			
2 3/8"		05-D 506			43 mm	05-F 143	05-F 243			
					44 mm	05-F 144	05-F 244			
					45 mm	05-F 145	05-F 245			
					46 mm	05-F 146	05-F 246			
					47 mm	05-F 147	05-F 247			
					48 mm	05-F 148	05-F 248			
					49 mm	05-F 149	05-F 249			
					50 mm	05-F 150	05-F 250			
					51 mm	05-F 151	05-F 251			

1 1/4" Weldon Shank			
Use with pilot pin	05-Z 034	05-Z 035	05-Z 036
2 7/16"	05-D 507		
2 1/2"	05-D 508	05-D 724	05-D 924
2 9/16"	05-D 509	05-D 725	05-D 925
2 5/8"	05-D 510		
2 3/4"	05-D 400	05-D 700	05-D 900
2 7/8"	05-D 401	05-D 701	05-D 901
3"	05-D 102	05-D 402	
3 1/4"	05-D 103	05-D 403	
3 1/2"	05-D 104	05-D 404	
3 3/4"	05-D 105	05-D 405	
4"		05-D 503	



CARBIDE CORE CUT KITS

- Highest quality TCT for premium performance
- Weldon shank

1-3/8" annular cutter kit
Order no. 05-D 991

2" annular cutter kit
Order no. 05-D 992

Includes 1 of each diameter:

9/16", 11/16", 13/16", 15/16", 1", 1-1/16" and pilot pin

Packaged in reusable plastic packaging. Standard packaging: 1

PILOT PINS

Precisely position annular cutters over drilling spot and eject slug after drilling is completed. All Walter pilot pins are hardened and precision ground to provide the longest life in the industry.



Cutter family	Diameter	Max. drilling depth	Order No.	Std. Pkg.	Std. Ctn.
For use with these cutters					
SST Core Cut and ICECUT	1/2" – 2 3/8" dia.	1"	05-Z 001	1	10
SST Core Cut and ICECUT	1/2" – 2 3/8" dia.	2"	05-Z 002	1	10
SST Core Cut and ICECUT	1 3/16" – 1 1/16" dia.	3"	05-Z 018	1	10
SST Core Cut and ICECUT	1 1/16" – 2" dia.	4"	05-Z 031	1	10
SST Core Cut and ICECUT	7/16" dia.	1"	05-Z 029	1	10
SST Core Cut and ICECUT	7/16" dia.	2"	05-Z 030	1	10
2-piece, SST and ICECUT	1 1/16" – 2" dia.	3"	05-Z 032	1	10
2-piece, SST and ICECUT	1 1/16" – 2" dia.	4"	05-Z 033	1	10

For use with these cutters					
CARBIDE core cutters	1/2" – 1 1/16" dia.	1"	05-Z 027	1	10
	1/2" – 1 1/16" dia.	1 1/2"	05-Z 019	1	10
	1/2" – 1 1/16" dia.	2"	05-Z 021	1	10
	3/4" – 1 1/2" dia.	1"	05-Z 028	1	10
	3/4" – 2 3/8" dia.	1 1/2"	05-Z 020	1	10
	3/4" – 2 3/8" dia.	2"	05-Z 022	1	10
	2 7/16" – 4" dia.	2"	05-Z 034	1	10
	1 3/16" – 1 1/16" dia.	3"	05-Z 018	1	10
	2 7/16" – 4" dia.	3"	05-Z 035	1	10
	2 7/16" – 4" dia.	4"	05-Z 036	1	10



Morse taper shank adaptors with coolant inducer

For use of Walter annular cutters on drilling units with a Morse taper spindle. Coolant inducer feeds coolant through the pilot pin to increase cutter life.

Morse taper	Order No.	Std. Pkg.	Std. Ctn.
No. 2	05-Z 012	1	10
No. 3	05-Z 013	1	10
No. 3 (with 1 1/4" Weldon)	05-Z 037	1	10
	05-Z 038	1	10



Morse taper shank adaptors without coolant inducer

For use of Walter annular cutters on drilling units with a Morse taper spindle. Ideal for all drilling machines that are equipped with an external cooling source.

Morse taper	Order No.	Std. Pkg.	Std. Ctn.
No. 2	05-Z 010	1	10
No. 3	05-Z 011	1	10



Fein and Nitto adaptors

For use of Walter annular cutters on all Fein and Nitto magnetic drills.

Drilling Unit	Order No.	Std. Pkg.	Std. Ctn.
Fein	05-Z 014	1	10
Nitto	05-Z 015	1	10



Extension adaptors

Leverage an arbor adaptor with your Walter core cutters to drill deeper holes. These durable arbor adaptors allow you to drill up to 4" for a fraction of the price of a full size core cutter.

Extension Length	Description	Order No.	Std. Pkg.	Std. Ctn.
1"	Adaptor	05-Z 023	1	10
	Pilot pin	05-Z 025	1	10
2"	Adaptor	05-Z 024	1	10
	Pilot pin	05-Z 026	1	10

ICECUT™

LIGHT
POWERFUL
SAFE

*The ultimate
core cutting
system*



FEATURES

ALL ICECUT™ MAGNETIC DRILLING UNITS

**1 CENTERED CONTROL PANEL**

Centered positioning of the electronics for easy control from any position. Whether it's a personal preference, or if the operation requires drilling from a specific side, the central control panel allows for efficient and easy operation.

**2 MANDREL SUPPORT**

Absorbs vibration for added stability and easy centering. The ball bearing support ensures the motor and chuck are perfectly aligned. It also provides smooth and precise cutting operations, and reduces chipping or breakage of the cutter.

**3 FULL BODY INTEGRATED WIRING**

For convenience and improved durability. No electrical wires will get in the way while drilling or moving your unit. Moreover, this prevents common failures due to mishandling (like carrying the unit by the wire, or the wire catching on an object).

**4 STEEL SLIDING GUARD**

Easily accessible, and extra safe. Slide guard upwards, position unit, slide guard down and start drilling safely while containing chips and lubricant to prevent them from spilling out onto the rest of the work surface.

**LIGHTWEIGHT**

At 10 kg (22 lbs.) and 12.2 kg (27 lbs.) respectively, the ICECUT 100 and ICECUT 200 are the lightweight champions in their category. With a slim body, simplified carrying handle and powerful magnet, these units were designed with portability and ergonomics in mind.

**SWIVEL BASE**

As a feature for the ICECUT 300 and ICECUT 400, it allows to swivel the magnetic drill by 60° on each side, and also slide by 3" for a perfect and easy alignment.

**5 DIRECT ACCESS**

Direct access to carbon brushes makes maintenance simple. The powerful motor will always operate at maximum efficiency, and when it is time to change out the carbon brushes, their easily accessible location makes maintenance very convenient!

**6 ERGONOMIC HANDLE**

The ergonomic handle with a smooth grip – sturdy and lightweight – makes moving the unit easy. Its design further reduces overall weight, and the smooth grip ensures easy portability.

**7 QUICK RELEASE REVERSIBLE HANDLE**

Quick release reversible handle – allows for positioning in confined or restricted spaces. The handle can be removed and reattached on whichever side the operator prefers, making this a very user friendly system.

**8 MATERIAL & THICKNESS DETECTOR**

Unit will not start when the magnetic holding power is insufficient to secure the unit to the workpiece and operate safely. Prevents accidental starts: unit will not start on any non-ferrous material like wood, plastic, or when held in the air.

**9 MECHANICAL CLUTCH**

The ICECUT 200 has a safety slip clutch, built into the gear drive, that will neutralize momentum and eliminate dangerous backlash for added safety. Prevents cutter breakage.

**EQUIPPED WITH SAFETY STRAP**

For added security when hung upside down or for frame drilling operations.

ICECUT MINI™

NEW

Features

Measuring in at only 7-inches tall, the ICECUT MINI™ is the ultimate compact, low-profile magnetic drilling unit for making holes in tight spaces from H-beams to truck frames, and other applications where space may be limited. This unit has a powerful electromagnet for safety while drilling and **has a 2" x 2" drilling capacity**, making it the most versatile unit in its class.



2" x 2" drilling capacity! The largest on the market!



**Lightweight unit
electromagnet**
For safety and functionality

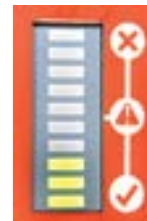
**Low profile and
compact body**
allows for making holes in
extremely tight spaces (7" tall)

**DYNAMAX™
speed control**

Ensures RPM speeds remain
constant even under load

Features

- ▷ Lightweight unit
- ▷ Electromagnet for safety and functionality
- ▷ Low profile and compact body allows for making holes in extremely tight spaces (7" tall)
- ▷ Walter's DYNAMAX™ speed control ensures RPM speeds remain constant even under load
- ▷ ACCUDRILL™ system protects unit from overload and the risk of cutter breakage
- ▷ **2" x 2" drilling capacity!**—Largest on the market!



"ACCUDRILL" system protects against overload and reduces the risk of cutter breakage. When you want to achieve the most productive drilling operation, you need to make sure you use the most power. This prevents the motor from overloading to reduce damage to the tool itself while also minimizing the risk of eventual damage to the cutter from overheating or movement.



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

ICECUT MINI™

Low profile magnetic drilling unit for confined spaces

The ultimate compact, low-profile magnetic drilling unit for making holes in tight spaces from H-beams to truck frames, and other applications where space may be limited.



TECHNICAL DATA

Order No.	39-D 050
Watts	1200
Rated Amperage	10.0 A
Speeds	1-speed variable
DYNAMAX speed control	YES
No load RPM	250-500 RPM
Rated current	110-120V
Total Stroke	61 mm (2-3/8")
Core cutter capacity (diameter)	2" (50 mm)
Core cutter capacity (depth)	2" (50 mm)
Twist drill capacity (diameter)	N/A
Weight	10.5 kg
Swivel and sliding magnet	NO
Magnetic holding force (at 1")	10,000N
Max drill point pressure	2248 lbs (1020 kg)
Reversible handle	YES, tool-free ratchet handle
Powerguard motor overload protection	YES
Short-Circuit protection	YES
ACCUDRILL LED Torque display	YES, Integrated Ampmeter (both sides)
Magnetic field sensor	NO
Guard	YES, pivoting
Wiring	Internal
Lubrication	Not integrated
Control board	Rear, S/S switches with LEDs
Arbor	3/4" Weldon arbor fixed
Maintenance	Easy access to carbon brushes

ICECUT 100™ AND ICECUT 200™ Features

When you pair the best drilling machines with highly engineered annular cutters and superior cooling solutions, you know you have the best overall system for consistently drilling holes quickly and precisely with minimal interruption for changing out worn tooling.

DRILLING MADE EASY AND SAFE



“ACCUDRILL” system protects against overload and reduces the risk of cutter breakage. When you want to achieve the most productive drilling operation, you need to make sure you use the most power. This prevents the motor from overloading to reduce damage to the tool itself while also minimizing the risk of eventual damage to the cutter from overheating or movement.



YouTube
Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

ICECUT 100™

Compact and portable

Compact – extra lightweight – perfect when mobility is key.



ICECUT 200™

The versatile unit

Powerful – 2-speed – yet only 27 lbs – ideal for a wide range of production or job site operations.



TECHNICAL DATA

Order No.	39-D 100	39-D 200
Watts	850 W	1200 W
Speed	1 speed	2 speeds
No load RPM	600 RPM	Speed #1: 300 RPM / Speed #2: 600 RPM
Rated Current	8A	10A
Core cutter capacity (diameter)	1 3/8" (35 mm)	2" (52 mm)
Core cutter capacity (depth)	1 1/2" (38 mm)	2" (52 mm)
Twist drill capacity (diameter)	1/2" (stub length only)	1/2"
Tapping function	None	None
Weight	22 lbs (10 kg)	27 lbs (12.2 kg)
Swivel and sliding magnet	None	None
Max drill point pressure	1875 lbs (850 kg)	1875 lbs (850 kg)
Reversible handle	Tool free press-button	Tool free press-button
Powerguard electronic overload protection	Overload at 15A	Overload at 15A
Motor overload protection	None	Mechanical clutch
Short-Circuit protection	Integrated fuse	Integrated fuse
Accudrill LED torque display	Integrated Ampmeter	Integrated Ampmeter
Magnetic field sensor	Material and thickness detector	Material and thickness detector
Tool free guard	Metal, sliding up	Metal, sliding up
Wiring	Internal	Internal
Lubrication	On motor head	On motor head
Control board	Centered, s/s switches with LEDs	Centered, s/s switches with LEDs
Handle	Open on main housing	Open with anti-slip support
Arbor	WELDON shank with support	WELDON shank with support
Maintenance	Easy access to carbon brushes	Easy access to carbon brushes
Total Stroke	2.6"	2.9"

ICECUT 250™ AND ICECUT 250P™ Features

Get all the power and versatility from the ICECUT magnetic drilling systems, now available in a more compact size for easy portability. Use the ICECUT 250™ for ultimate versatility when drilling or tapping larger holes. The ICECUT 250P™ is the unit of choice for working on curved surfaces or pipes thanks to a convenient permanent magnet.



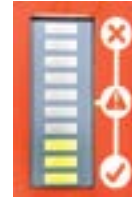
Variable Dialspeed
Electronic speed control for an optimized drilling operation ensuring a constant speed under load.

Reversible speed
Enables tapping operations.

Weighs only 35 pounds!

Taper Morse #2 with 1/4" Weldon shank
For easy mounting.

Powerful electromagnet



“ACCUDRILL” system protects against overload and reduces the risk of cutter breakage. When you want to achieve the most productive drilling operation, you need to make sure you use the most power. This prevents the motor from overloading to reduce damage to the tool itself while also minimizing the risk of eventual damage to the cutter from overheating or movement.



Variable Dialspeed
Electronic speed control for an optimized drilling operation ensuring a constant speed under load.

Reversible speed
Enables tapping operations.

Two pivoting electromagnetic and standard magnets
For curved surface drilling capability.



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

ICECUT 250™

Lightweight, powerful with variable speed

The powerful, intuitive and lightweight ICECUT 250™ is a truly versatile machine, especially for its size.

Tech tip!

Use carbide core cutter 05-D 518 with included morse Tape Shank no. 2 to drill to 2-1/2" large holes.

3/4" Weldon shank
Diameter: 2-1/2"
Length: 1-1/2"



ICECUT 250P™

Drill faster and easier on pipe-related jobs

The double magnet ICECUT 250P™ sets up fast for pipe applications and is curved surface-ready.



TECHNICAL DATA

Order No.	39-D 250	39-D 251
Watts	1550	1500
Speed	2-speeds + Reversible	2-speeds + Reversible
Dynamax variable speed control	YES	YES
No load RPM	100-500 RPM	100-500 RPM
Rated Current	15 amps	15 amps
Core cutter capacity (diameter)	2 1/2"	2 1/2"
Core cutter capacity (depth)	3" (w/ 2-piece pilot pin)	3" (w/ 2-piece pilot pin)
Twist drill capacity (diameter)	1/2"	1/2"
Tapping function	YES, up to 3/4" - 16	YES, up to 3/4" - 16
Weight	34.1 lbs	39.6 lbs
Swivel and sliding magnet	NO	NO
Max drill point pressure	3035 lbs (1376 kg)	3035 lbs (1376 kg)
Reversible handle	YES, TOOL-FREE press button	YES, TOOL-FREE press button
Powerguard motor overload protection	20A	20A
Powerguard electronic overload protection	27A	27A
Short-Circuit protection	YES, Integrated Fuse	YES, Integrated Fuse
Accudrill LED torque display	YES, Intergrated Ampmeter	YES, Intergrated Ampmeter
Magnetic field sensor	Material & thickness detector	NO (Permanent Magnet)
Tool free guard	Metal, sliding	Metal, sliding
Wiring	Internal	Internal
Lubrication	Internal thru feed, on motor head	Internal thru feed, on motor head
Control board	Centered, S/S switches with LEDs	Centered, S/S switches with LEDs
Handle	1 reversible on main housing, 1 pistol grip	1 reversible on main housing, 1 pistol grip
Arbor	Morse Taper 2 shank; 3/4" Weldon	Morse Taper 2 shank; 3/4" Weldon
Maintenance	Easy access to carbon brushes	Easy access to carbon brushes
Total Stroke	5.5"	5.5"

ICECUT 300™ AND ICECUT 400™

Features

Now you can get all the benefits of using an ICECUT magnetic drilling machine while using annular cutters up to 4" wide and a depth of up to 4". To make the drilling operation even safer and easier, each machine features a swivel base for easy positioning of the tool along with our top-of-the-line safety features such as DIALSPEED™, POWERGUARD™ and DYNAMAX™.

Drill more, bigger, faster and safer!



ICECUT 300™

For deeper, wider holes

With a swivel base and electronic speed control, allows you to drill safer and faster.



ICECUT 400™

The most powerful and most versatile unit

With 4 mechanically-controlled speeds and a wider RPM range, this powerful tool can tackle any drilling operation with ease.



TECHNICAL DATA

Order No.	39-D 300	39-D 400
Watts	1800 W	2000 W
Speed	2-speeds + reversible	4-speeds + reversible
Dynamax variable speed control	Yes	Yes
No load RPM	Speed #1: 70-180 RPM / Speed #2: 200-500 RPM	Speed #1: 45-129 RPM / Speed #2: 70-208 RPM Speed #3: 150-434 RPM / Speed #4: 240-700 RPM
Rated Current	18A	20A
Core cutter capacity (diameter)	3" (75 mm)	4" (100 mm)
Core cutter capacity (depth)	3" (75 mm)	4" (100 mm)
Twist drill capacity (diameter)	1 1/4" (31.75 mm)	1 1/4" (31.75 mm)
Tapping function	Yes (1 1/8")	Yes (1 1/8")
Weight	52 lbs (23.5 kg)	54.5 lbs (24.8 kg)
Swivel and sliding magnet	Swivel 120°, sliding 2"	Swivel 120°, sliding 2"
Max drill point pressure	4160 lbs (1890 kg)	4950 lbs (2240 kg)
Reversible handle	Tool free press-button	Tool free press-button
Powerguard motor overload protection	Overload at 22A	Overload at 24A
Powerguard electronic overload protection	Overload at 25A	Overload at 27A
Short-Circuit protection	Integrated fuse	Integrated fuse
Accudrill LED torque display	Integrated Ampmeter	Integrated Ampmeter
Magnetic field sensor	Material and thickness detector	Material and thickness detector
Tool free guard	Metal, sliding up	Metal, sliding up
Wiring	Internal	Internal
Lubrication	On motor head	On motor head
Control board	Centered, s/s switches with LEDs	Centered, s/s switches with LEDs
Handle	1 on main housing, 1 rear handle	1 on main housing, 1 rear handle
Arbor	WELDON taper morse #3	WELDON taper morse #3
Maintenance	Easy access to carbon brushes	Easy access to carbon brushes
Total Stroke	9.4"	10.2"

ICECUT SYSTEMS

ICECUT MINI™ - ICECUT 100™ - ICECUT 200™ - ICECUT 250™
 ICECUT 250P™ - ICECUT 300™ - ICECUT 400™



Includes a 1/2" chuck adaptor for drilling smaller holes



For larger holes, 1/2" and above, use the magnetic base with the standard Weldon shank



COMES IN A FOAM PADDED CASE FOR SUPERIOR PROTECTION

ICECUT 300 (39D300)	RPM			
	SPEED 1	SPEED 2	SPEED 3	SPEED 4
DIALSPEED™ RPM Setting	↓	↑		
1	70	200	x	x
2	92	260	x	x
3	114	320	x	x
4	136	380	x	x
5	158	440	x	x
6	180	500	x	x

ICECUT 400 (39D400)	RPM			
	SPEED 1	SPEED 2	SPEED 3	SPEED 4
DIALSPEED™ RPM Setting (Left/Right)	↓/↑	↓/↓	↑/↑	↑/↓
1	45	70	150	240
2	62	98	207	332
3	79	126	264	424
4	96	154	321	516
5	113	181	378	608
6	129	208	434	700

Model	Order No.	No load RPM	Motor	Amps	Twist drill capacity (diameter)	Annular cutter	Max. drilling depth	Magnet strength	Weight
ICECUT MINI	39-D 050	250-500 RPM	120V .A.C.	10A	N/A	2"	2"	2248 lbs	23.1 lbs
ICECUT 100	39-D 100	600 RPM	120V .A.C.	8A	1/2" (stub length only)	1 3/8"	1 1/2"	1875 lbs	22 lbs
ICECUT 200	39-D 200	Speed #1: 300 RPM Speed #2: 600 RPM	120V .A.C.	10A	1/2"	2"	2"	1875 lbs	27 lbs
ICECUT 250	39-D 250	Speed #1: 100-265 RPM Speed #2: 200-500 RPM	120V .A.C.	15A	1/2"	2 3/8"	3"	3035 lbs	34.1 lbs
ICECUT 250P	39-D 251	Speed #1: 100-265 RPM Speed #2: 200-500 RPM	120V .A.C.	15A	1/2"	2 3/8"	3"	3035 lbs	39.6 lbs
ICECUT 300	39-D 300	Speed #1: 70-180 RPM Speed #2: 200-500 RPM	120V .A.C.	18A	1 1/4"	3"	3"	4160 lbs	52 lbs
ICECUT 400	39-D 400	Speed #1: 45-129 RPM Speed #2: 70-208 RPM Speed #3: 150-434 RPM Speed #4: 240-700 RPM	120V .A.C.	20A	1 1/4"	4"	4"	4950 lbs	54.5 lbs

STANDARD EQUIPMENT FOR ICECUT 100 AND 200: Carrying case 48-H 423 (ICECUT 100), 48-H 422 (ICECUT 200), lubrication system (48-H 310), 1/2" keyed chuck (39-D 006), Chuck adaptor (39-D 005), M6 T-handle hexagonal key (48-Z 004), Allen key (48-Z 003), safety strap (48-H 329), safety glasses (48-H 424), reversible press button (48-H 324), triple handle (48-H 323), chuck key (39-D 009).

STANDARD EQUIPMENT FOR ICECUT 300 AND 400: Carrying case, chuck, arbor assembly, safety glasses, arbor shank, drift punch, safety belt, 3 mm hexagonal, spanner, stationary ring, spare carbon brushes, coolant bottle assembly.

Straight Drill 716-B – 5/8"

End handle drill with a heavy-duty 120V motor and 2-speed gear box. Use low speed to drill large holes with extra torque and high speed to drill small holes. The reversing feature makes this drill also suitable for tapping applications.



Model	Order No.	Speed under load	Motor	Capacities - Steel		Twist drill	Hole saw	Weight
				Max. torque	Amps			
716-B	38-A 716	0-430/760 rev.	120V A.C.	30/17 Nm	9.2	5/8"	3"	9 lbs

STANDARD EQUIPMENT: 5/8" capacity keyed chuck 22-A 072, chuck key 22-A 202, side handle (model 716) 48-E 063 and 9 ft. cord.

Decimals and metric equivalents of drill sizes

Drill size	Dec. equiv.	mm	Drill size	Dec. equiv.	mm	Drill size	Dec. equiv.	mm	Drill size	Dec. equiv.	mm
1/64"	.0156	0.40	—	.1142	2.90	5	.2055	5.22	41/64"	.6406	16.27
1/32"	.0313	0.80	32	.1160	2.95	4	.2090	5.31	21/32"	.6562	16.67
60	.0400	1.02	31	.1200	3.05	3	.2130	5.41	43/64"	.6719	17.07
59	.0410	1.04	1/8"	.1250	3.18	7/32"	.2188	5.56	11/16"	.6875	17.46
58	.0420	1.07	30	.1285	3.26	2	.2210	5.61	45/64"	.7031	17.86
57	.0430	1.09	—	.1299	3.30	1	.2280	5.79	23/32"	.7188	18.26
56	.0465	1.18	29	.1360	3.45	15/64"	.2344	5.95	47/64"	.7344	18.65
3/64"	.0469	1.19	28	.1405	3.57	1/4"	.2500	6.35	3/4"	.7500	19.05
55	.0520	1.32	9/64"	.1406	3.58	F	.2570	6.53	49/64"	.7656	19.45
54	.0550	1.40	27	.1440	3.66	—	.2638	6.70	25/32"	.7812	19.84
53	.0595	1.51	26	.1470	3.73	17/64"	.2656	6.75	13/16"	.8125	20.64
1/16"	.0625	1.59	25	.1495	3.80	9/32"	.2812	7.15	27/32"	.8438	21.43
52	.0635	1.61	24	.1520	3.86	19/64"	.2969	7.54	7/8"	.8750	22.23
51	.0670	1.70	23	.1540	3.91	5/16"	.3125	7.94	57/64"	.8906	22.62
50	.0700	1.78	5/32"	.1562	3.97	21/64"	.3281	8.33	29/32"	.9062	23.02
49	.0730	1.85	22	.1570	3.99	—	.3346	8.50	59/64"	.9219	23.42
48	.0760	1.93	21	.1590	4.04	11/32"	.3438	8.73	15/16"	.9375	23.81
5/64"	.0781	1.98	20	.1610	4.09	23/64"	.3594	9.13	61/64"	.9531	24.21
47	.0785	1.99	—	.1654	4.20	U	.3680	9.35	31/32"	.9688	24.61
—	.0787	2.00	19	.1660	4.22	3/8"	.3750	9.53	63/64"	.9844	25.00
46	.0810	2.06	18	.1695	4.31	25/64"	.3906	9.92	1"	1.0000	25.40
45	.0820	2.08	11/64"	.1719	4.37	—	.4016	10.20	1 1/32"	1.0312	26.19
44	.0860	2.18	17	.1730	4.39	13/32"	.4062	10.32	1 1/16"	1.0625	26.98
43	.0890	2.26	16	.1770	4.50	27/64"	.4219	10.72	1 3/32"	1.0938	27.78
42	.0935	2.37	15	.1800	4.57	7/16"	.4375	11.11	1 1/8"	1.1250	28.58
3/32"	.0938	2.38	14	.1820	4.62	29/64"	.4531	11.51	1 5/32"	1.1562	29.37
41	.0960	2.44	13	.1850	4.70	15/32"	.4688	11.91	1 3/16"	1.1875	30.16
40	.0980	2.49	3/16"	.1875	4.76	31/64"	.4844	12.30	1 7/32"	1.2188	30.96
—	.0984	2.50	12	.1890	4.80	1/2"	.5000	12.70	1 1/4"	1.2500	31.75
39	.0995	2.53	11	.1910	4.85	33/64"	.5156	13.10	1 9/32"	1.2812	32.54
38	.1015	2.58	10	.1935	4.91	17/32"	.5312	13.50	1 5/16"	1.3125	33.34
37	.1040	2.64	9	.1960	4.98	35/64"	.5469	13.90	1 11/32"	1.3438	34.13
36	.1065	2.71	—	.1969	5.00	9/16"	.5625	14.29	1 3/8"	1.3750	34.93
7/64"	.1094	2.78	8	.1990	5.05	37/64"	.5781	14.68	1 13/32"	1.4062	35.72
35	.1100	2.79	7	.2010	5.11	19/32"	.5938	15.08	1 7/16"	1.4375	36.51
34	.1110	2.82	13/64"	.2031	5.16	39/64"	.6094	15.48	1 15/32"	1.4688	37.31
33	.1130	2.87	6	.2040	5.18	5/8"	.6250	15.88	1 1/2"	1.5000	38.10

Maximum cutting speeds
for SST power taps - RPM

Tap dia.	Mild steel	Stainless steel	Aluminium
#6	800	500	1,600
#8	670	400	1,500
#10	600	350	1,400
#12	550	300	1,200
1/4"	450	250	1,000
5/16"	370	200	850
3/8"	300	150	700
7/16"	260	120	600
1/2"	230	100	500

Recommended max. RPM for through holes. Reduce speed by one-third for blind holes. Make sure blind hole is deep enough to allow chips to accumulate at the bottom.

**Recommended cutting speed for HSS+Co
Twist Drill Bits**

Cutter Dia.		100	70	40	200
Cutter Dia.		Mild Steel	Steel	Stainless Steel	Aluminium
Inch	mm	500N/mm ²	900N/mm ²		
1/16"	1.6	6112	4278	2445	12224
1/8"	3.2	3056	2139	1222	6112
3/16"	4.8	2037	1426	815	4075
1/4"	6.4	1528	1070	611	3056
5/16"	7.9	1222	856	489	2445
3/8"	9.5	1019	713	407	2037
7/16"	11.1	873	611	349	1746
1/2"	12.7	764	535	306	1528
9/16"	14.3	679	475	272	1358
5/8"	15.9	611	428	244	1222
11/16"	17.5	556	389	222	1111
3/4"	19.1	509	357	204	1019
13/16"	20.6	470	329	188	940
7/8"	22.2	437	306	175	873
15/16"	23.8	407	285	163	815
1"	25.4	382	267	153	764
1 1/16"	27	360	252	144	719
1 1/8"	28.6	340	238	136	679
1 3/16"	30.2	322	225	129	643
1 1/4"	31.8	306	214	122	611
1 5/16"	33.3	291	204	116	582
1 3/8"	34.9	278	194	111	556
1 7/16"	36.5	266	186	106	531
1 1/2"	38.1	255	178	102	509

* SFM = Surface Feet per Minute
Optimal RPM = SFM x 3.82/Diameter (in.)

**Recommended cutting speed for M2Al HSS
Countersinks (82°)**

Cutter Dia.		Aluminium	Copper	Mild	Stainless Steel	Non-metallic Steel
Inch	mm					
1/4"	6.4	1505	1404	752	602	1755
5/16"	7.9	1203	1123	602	481	1404
3/8"	9.5	1004	937	502	401	1171
7/16"	11.1	861	803	430	344	1004
1/2"	12.7	752	702	376	301	878
9/16"	14.3	669	624	335	268	781
5/8"	15.9	602	562	301	241	702
11/16"	17.5	547	511	274	219	638
3/4"	19.1	502	468	251	201	585
13/16"	20.6	463	432	231	185	540
7/8"	22.2	430	401	215	172	502
15/16"	23.8	401	375	201	161	468
1"	25.4	376	351	188	150	439
1 1/16"	27	354	331	177	142	413
1 1/8"	28.6	334	312	167	134	390
1 3/16"	30.2	317	296	158	127	370
1 1/4"	31.8	251	234	125	100	293
1 9/16"	39.7	241	225	120	96	281
1 5/8"	41.3	231	216	116	93	270
1 11/16"	42.9	223	208	111	89	260
1 3/4"	44.5	215	201	107	86	251
1 13/16"	46	208	194	104	83	242
1 7/8"	47.6	201	187	100	80	234
1 15/16"	49.2	194	181	97	78	227
2"	50.8	188	176	94	75	219

**Recommended cutting speed for MULTI-STEP^{MC}
M2Al HSS Drill Bits**

Diameter		Aluminium	Copper	Mild Steel	Stainless Steel	Non-metallic
mm	Inch					
12.7	1/2"	1003	878	502	376	1128
14.3	9/16"	892	781	446	335	1004
15.9	5/8"	802	702	401	301	902
17.5	11/16"	730	638	365	274	821
19.1	3/4"	669	585	334	251	752
20.6	13/16"	617	540	309	231	694
22.2	7/8"	573	502	287	215	645
23.8	15/16"	535	468	268	201	602
25.4	1"	502	439	251	188	564
27.0	1-1/16"	472	413	236	177	531
28.6	1-1/8"	446	390	223	167	502
30.2	1-3/16"	422	370	211	158	475
31.8	1-1/4"	401	351	201	150	451
33.3	1-5/16"	382	334	191	143	430
34.9	1-3/8"	365	319	182	137	410

* Choose RPM based on LARGEST step diameter

Recommended cutting speed for CARBIDE CORE CUT annular cutter

Diameter		Mild Steel	Steel	Steel	Steel	Steel	Stainless	Aluminium
mm	Inch	500N/mm ²	750N/mm ²	900N/mm ²	1200N/mm	1400N/mm ²	Steel	
11.1	7/16"	1147	1061	1003	860	717	573	2580
12.7	1/2"	1003	928	878	752	627	502	2257
14.3	9/16"	892	825	781	669	558	446	2007
15.9	5/8"	802	742	702	602	501	401	1805
17.5	11/16"	730	675	638	547	456	365	1642
19.1	3/4"	669	619	585	502	418	334	1505
20.6	13/16"	617	571	540	463	386	309	1389
22.2	7/8"	573	530	502	430	358	287	1290
23.8	15/16"	535	495	468	401	334	268	1204
25.4	1"	502	464	439	376	313	251	1128
27.0	1-1/16"	472	437	413	354	295	236	1062
28.6	1-1/8"	446	412	390	334	279	223	1003
30.2	1-9/16"	422	391	370	317	264	211	950
31.8	1-1/4"	401	371	351	301	251	201	903
33.3	1-5/16"	382	353	334	287	239	191	860
34.9	1-3/8"	365	337	319	274	228	182	821
36.5	1-7/16"	349	323	305	262	218	174	785
38.1	1-1/2"	334	309	293	251	209	167	752
39.7	1-9/16"	321	297	281	241	201	161	722
41.3	1-5/8"	309	285	270	231	193	154	694
42.9	1-11/16"	297	275	260	223	186	149	669
44.5	1-3/4"	287	265	251	215	179	143	645
46.0	1-13/16"	277	256	242	208	173	138	623
47.6	1-7/8"	267	247	234	201	167	134	602
49.2	1-15/16"	259	239	227	194	162	129	582
50.8	2"	251	232	219	188	157	125	564
52.4	2-1/16"	243	225	213	182	152	122	547
54.0	2-1/8"	236	218	207	177	148	118	531
55.6	2-3/16"	229	212	201	172	143	115	516
57.2	2-1/4"	223	206	195	167	139	111	502
58.7	2-5/16"	217	201	190	163	136	108	488
60.4	2-3/8"	211	195	185	158	132	106	475
61.9	2-7/16"	206	190	180	154	129	103	463
63.5	2-1/2"	201	186	176	150	125	100	451
65.1	2-9/16"	196	181	171	147	122	98	440
66.7	2-5/8"	191	177	167	143	119	96	430
68.3	2-11/16"	187	173	163	140	117	93	420
69.9	2-3/4"	182	169	160	137	114	91	410
71.4	2-13/16"	178	165	156	134	111	89	401
73.0	2-7/8"	174	161	153	131	109	87	393
74.6	2-15/16"	171	158	149	128	107	85	384
76.2	3"	167	155	146	125	104	84	376
77.8	3-1/16"	164	151	143	123	102	82	368
79.4	3-1/8"	160	148	140	120	100	80	361
81.0	3-3/16"	157	146	138	118	98	79	354
82.6	3-1/4"	154	143	135	116	96	77	347
84.1	3-5/16"	151	140	132	114	95	76	341
85.7	3-3/8"	149	137	130	111	93	74	334
87.3	3-7/16"	146	135	128	109	91	73	328
88.9	3-1/2"	143	133	125	107	90	72	322
90.5	3-9/16"	141	130	123	106	88	70	317
92.1	3-5/8"	138	128	121	104	86	69	311
93.7	3-11/16"	136	126	119	102	85	68	306
95.3	3-3/4"	134	124	117	100	84	67	301
96.8	3-13/16"	132	122	115	99	82	66	296
98.4	3-7/8"	129	120	113	97	81	65	291
100.0	3-15/16"	127	118	111	96	80	64	287
101.6	4"	125	116	110	94	78	63	282

Recommended cutting speed for SST™ CORE CUT and ICECUT™ annular cutter

Diameter		Mild Steel	Steel	Steel	Steel	Steel	Stainless Steel	Aluminum
mm	Inch	500N/mm ²	750N/mm ²	900N/mm ²	1200N/mm	1400N/mm ²		
11.1	7/16"	717	573	373	287	201	344	1433
12.7	1/2"	627	502	326	251	176	301	1254
14.3	9/16"	558	446	290	223	156	268	1115
15.9	5/8"	501	401	261	201	140	241	1003
17.5	11/16"	456	365	237	182	128	219	912
19.1	3/4"	418	334	217	167	117	201	836
20.6	13/16"	386	309	201	154	108	185	771
22.2	7/8"	358	287	186	143	100	172	717
23.8	15/16"	334	268	174	134	94	161	669
25.4	1"	313	251	163	125	88	150	627
27.0	1-1/16"	295	236	153	118	83	142	590
28.6	1-1/8"	279	223	145	111	78	134	557
30.2	1-3/16"	264	211	137	106	74	127	528
31.8	1-1/4"	251	201	130	100	70	120	502
33.3	1-5/16"	239	191	124	96	67	115	478
34.9	1-3/8"	228	182	119	91	64	109	456
36.5	1-7/16"	218	174	113	87	61	105	436
38.1	1-1/2"	209	167	109	84	59	100	418
39.7	1-9/16"	201	161	104	80	56	96	401
41.3	1-5/8"	193	154	100	77	54	93	386
42.9	1-11/16"	186	149	97	74	52	89	372
44.5	1-3/4"	179	143	93	72	50	86	358
46.0	1-13/16"	173	138	90	69	48	83	346
47.6	1-7/8"	167	134	87	67	47	80	334
49.2	1-15/16"	162	129	84	65	45	78	324
50.8	2"	157	125	81	63	44	75	313
52.4	2-1/16"	152	122	79	61	43	73	304
54.0	2-1/8"	148	118	77	59	41	71	295
55.6	2-3/16"	143	115	75	57	40	69	287
57.2	2-1/4"	139	111	72	56	39	67	279
58.7	2-5/16"	136	108	70	54	38	65	271
60.4	2-3/8"	132	106	69	53	37	63	264

Taper pipe tap drill sizes NPT and NPTF

Tap size	Drill size	Tap size	Drill size
1/8" - 27	11/32"	1" - 11 1/2	1 5/32"
1/4" - 18	7/16"	1 1/4" - 11 1/2	1 1/2"
3/8" - 18	37/64"	1 1/2" - 11 1/2	1 47/64"
1/2" - 14	45/64"	2" - 11 1/2	2 7/32"
3/4" - 14	29/32"		

Recommended feed for annular cutter

Material	Feed (mm/r)	Coolant (ml/min)
Steel 500N/mm ²	0.08-0.13	60-80
Steel 750N/mm ²	0.08-0.13	60-80
Steel 900N/mm ²	0.05-0.1	80-100
Steel 1200N/mm ²	0.05-0.1	80-100
Steel 1400N/mm ²	0.05-0.1	80-100
Stainless Steel	0.05-0.1	150-200
Aluminum	0.1-0.15	80-100

Tap drill sizes - fractional

Tap size	Thread form	Drill size	Tap size	Thread form	Drill size	Tap size	Thread form	Drill size
2-56	NC	50	1/4"-28	NF	3	9/16"-18	NF	39/64"
3-48	NC	47	5/16"-18	NC	F	5/8"-11	NC	17/32"
4-40	NC	43	5/16"-24	NF	17/64"	5/8"-18	NF	37/64"
5-40	NC	38	3/8"-16	NC	5/16"	3/4"-10	NC	21/32"
6-32	NC	36	3/8"-24	NF	21/64"	3/4"-16	NF	11/16"
8-32	NC	29	7/16"-14	NC	U	7/8"-9	NC	49/64"
10-24	NC	25	7/16"-20	NF	25/64"	7/8"-14	NF	13/16"
10-32	NF	21	1/2"-13	NC	27/64"	1-8	NC	7/8"
12-24	NC	16	1/2"-20	NF	29/64"	1-12	NF	15/16"
1/4"-20	NC	7	9/16"-12	NC	31/64"	1-14	NS	15/16"

Tap drill sizes - metric

SIZE gauge/	PITCH	Drill wire
	mm	mm
M2.5	.45	2.0
M3	.5	2.5
M3.5	.6	2.9
M4	.7	3.3
M5	.8	4.2
M6	1.0	5.0
M8	1.25	6.7
M10	1.5	8.5
M12	1.75	10.2

09

POWER
TOOLS



POWER TOOLS

Features



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

Power, safety and improved productivity

Our line of angle grinders is designed to excel in all applications, whether it be in grinding, cutting, sanding, or cleaning. Each of our grinders is compact and packs a punch, providing you with the highest removal rate in the industry when paired with Walter abrasives. These industrial tools are designed with safety in mind and are built to last.

We also have classified our grinders to help you select the very best tool for your specific needs. Is improving safety the key decision factor? Perhaps maximum productivity is really what matters. Rest assured that whichever grinder you select, it will deliver the strongest, most efficient output available, reducing your overall costs.



	Anti-vibration side handle	Tool-free guard	Quick-R™ release	Safety clutch	Paddle switch (non-locking)	Soft Start™	Safety restart	DYNAMAX™ electronics	Powerguard™	Stabilizer	Variable Dialspeed™	Mechanical brake system
MINI GRINDER	✗	✗	✗	✗								
MINI PS	✗	✗	✗	✗	✗							
MINI PLUS	✗	✗	✗	✗		✗	✗	✗	✗	✗	✗	
SUPER 5	✗	✗	✗	✗								
SUPER 5 PS	✗	✗	✗	✗	✗	✗	✗	✗	✗			
PRO 5	✗	✗	✗	✗		✗	✗	✗	✗	✗		
BIG 6	✗	✗	✗	✗		✗	✗	✗	✗	✗		
BIG 6 PS	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗		✗
IRONMAN	✗	✗	✗	✗		✗	✗	✗		✗		
IRONMAN PS	✗	✗	✗	✗	✗	✗	✗	✗		✗		✗
MAXI	✗	✗			✗**							
QUICK-STEP FINISHER	✗	✗	✗	✗		✗	✗	✗	✗		✗	
QUICK-STEP BIG-BUFF III						✗	✗	✗	✗		✗	
ULTI-MATE	✗	✗		✗		✗	✗	✗	✗		✗	
RAIL-MATE						✗	✗	✗	✗		✗	
QUICK-STEP LINE-MATE III						✗	✗	✗	✗		✗	
DIALSPEED 6141						✗	✗	✗	✗		✗	
DIALSPEED 6145						✗	✗	✗	✗		✗	
STRAIGHT-MATE						✗		✗			✗	

*Non-locking paddle switch on models 6352 and 6362 only. **Non-locking switch available upon request on MAXI™ models.

Total performance

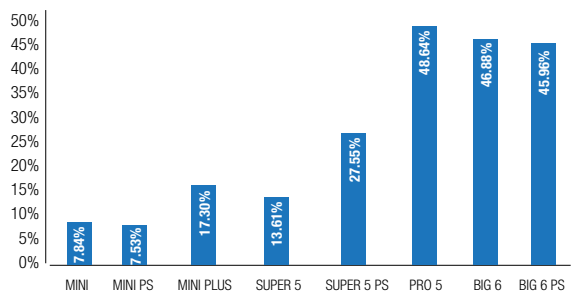
When you combine the most powerful grinders with premium Walter abrasives, you get the best overall performance in the industry. Whether you need to cut, grind or finish surfaces, our line of angle grinders gets the job done faster and easier while extending the life of your abrasives. Walter's next generation grinders are setting new standards in the metalworking industry.

New angle grinders vs. the previous generation (both using HP XX grinding wheels)

Model	Total removal (g)			Removal rate (g/min.)		
		New	%		New	%
MINI	1020	1111	8.92%	20.40	22	7.84%
MINI PS	1023	1111	8.60%	20.46	22	7.53%
MINI PLUS	1023	1230	20.23%	20.46	24	17.30%
SUPER 5	1176	1200	2.04%	29.40	33.4	13.61%
SUPER 5 PS	1176	2100	78.57%	29.40	37.5	27.55%
PRO 5	1176	2300	95.58%	29.40	43.7	48.64%
BIG 6	2200	2765	25.68%	32.00	47	46.88%
BIG 6 PS	2200	2765	25.68%	32.20	47	45.96%

● Double the life of your HP XX wheels by combining them with our PRO 5 grinder!

Productivity gain with our grinders compared to closest competitor (using HP XX wheels)



OUR GRINDERS

GENERAL FEATURES

- Variable DialSpeed™** Electronic speed control at the back of the machine to adjust the speed for optimum performance. DYNAMAX™ electronics regulate the power supply to the motor to ensure constant speed under full load for optimal control.
- Soft Start™** Tools equipped with Soft Start™ will ensure a progressive increase of RPM for a safer use, as opposed to a high start-up "kick".
- Brake system** Fastest mechanical brake available on the market, that will stop the tool within two seconds, for optimal user safety.
- Powerguard™** A temperature sensor is built into the electric motor to help protect the tool from burn-out.
- Quick-R™ release** Lets you change grinding and cut-off wheels in seconds, without any keys or wrenches.
- Anti-vibration side handle** High-tech, vibration absorbing side handle offers a safer and more comfortable operation without fatigue.
- Safety restart** Following a power interruption the power tool will not restart on its own when power is restored. If the switch is left in the ON position, the LED will start blinking when the power is restored. To restart the grinder, it must be reset by switching it OFF and then ON. If the cord breaks, the LED link will flash.
- Tool-free guard** New, quick-release guard lever lets you adjust or remove the wheel guard without any tools, in a matter of seconds.
- Stabilizer** Significantly reduces vibration during operation, making the tools more ergonomic and extending the life of both the tool and abrasives by up to 200%.
- DYNAMAX™ electronics** Ensure that spindle RPM speeds remain constant even under load for maximum productivity.
- Paddle switch (non-locking)** For added safety, the double action non-locking paddle switch will stop the grinder if you are not holding it.
- Safety clutch** Built into the gear drive, the safety slip clutch neutralizes momentum and eliminates dangerous backlash.

More protection

All Walter 4 1/2", 5" and 6" angle grinders are covered by our 24-month LONG-RUN warranty and exclusive SERVICEGUARD™ protection plan.

WARRANTY

LONG-RUN
SERVICEGUARD™
Protection Plan

24
MONTHS

NEW

GRINDER GRIP™

Magnetic grinder accessory to keep your tools close

GrinderGRIP™

The Grinder Grip™ is the only magnetic grinder accessory that makes work easier, safer and more convenient.

The magnet easily attaches to your grinder, allowing it to stick to any ferrous metal surface when not in use. This will help prevent damage to your power tools, as well as your abrasives by keeping it out of harm's way, all while remaining easily accessible. No more knocking or dropping your tools! Stick them with the Grinder Grip™.

Features

- ▷ *It's safe and easy to install*
- ▷ *Keeps your tools out of harm's way all while keeping them handy Compatible with Walter angle grinders*
- ▷ *Models compatible with other brands such as Metabo, Dewalt, Milwaukee, Makita, Hilti*



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork



Order No.: 30-G 001
for Walter grinder models.

See accessories page for other brands.



4.5" ANGLE GRINDERS



WARRANTY
LONG-RUN SERVICE GUARD™ Protection Plan
24 MONTHS

MINI GRINDER™

Order no. 30-A 161

Light, compact and durable
The Mini™ 4.5" grinder's state-of-the-art features include the new Walter anti-vibration handle that makes the grinder more comfortable to use and Walter's QUICK-R™ instant release function for disc change outs that take just seconds. The Mini™ has an additional 100 watts of power and features a rear vent to keep the armature cooler, allowing you to work longer while extending the life of the tool.



WARRANTY
LONG-RUN SERVICE GUARD™ Protection Plan
24 MONTHS

MINI PS™

Order no. 30-A 163

Additional job site safety
The Mini PS™ is the ideal choice when a paddle switch is needed on a 4 ½" grinder. It can be plugged into a generator, making it the perfect fit for construction sites. The double action non-locking paddle switch will stop when you release it, making it the safest choice without sacrificing productivity.



WARRANTY
LONG-RUN SERVICE GUARD™ Protection Plan
24 MONTHS

MINI PLUS™

Order no. 30-A 255

Powerful variable speed grinder
The MINI PLUS™ grinder provides premium performance and the most advanced features in the industry. Put it to work taking down welds, cutting tubing, light sanding, or removing rust and paint. With an autobalancer, our DYNAMAX™ speed control and POWERGUARD™ protection from overheating, the MINI PLUS™ delivers superior performance no matter the job. Remove more material faster while also significantly extending the life of your abrasives with a premium power tool.

Description	MINI™	MINI PS™	MINI PLUS™
Model name	6161K	6163B	6255J
Order No.	30-A 161	30-A 163	30-A 255
Anti vibration side handle	√	√	√
Safety clutch	√	√	√
QUICK-R™ instant release function	√	√	√
Tool-free rotating guard	√	√	√
Non-locking paddle switch		√	√
Lock-on switch	√		
AC/DC compatibility	√	AC only	AC only
Stabilizer™			√
Soft-Start™			√
Restart protection			√
DYNAMAX™ RPM monitoring			√
POWERGUARD™ overheat protection			√
LED indicator			√
DIALSPEED™ variable RPM selector			√
Spindle	5/8" - 11	5/8" - 11	5/8" - 11
RPM no-load	10,500	10,500	2,800 to 10,500
Amps	8.5 A	8.5 A	9.5 A
Power	900 W	900 W	1000 W
Tool weight	4.6 lbs	4.6 lbs	4.8 lbs
Maximum wheel diameter	4 ½"	4 ½"	5"
Standard equipment			
Wheel guard type 27	48-M 441	48-M 441	48-M 444
Side handle	30-B 075	30-B 075	30-B 075
Inner flange	30-B 057	30-B 057	30-B 057
QUICK-R™ front nut	30-B 020	30-B 020	30-B 020
Optional equipment			
Close guard adaptor	34-B 010	34-B 010	34-B 011
Manual clamping nut	30-B 037	30-B 037	30-B 037
Nut holder	30-B 023	30-B 023	30-B 023
Pin key wrench	48-Z 148	48-Z 148	48-Z 148
SPIN-ON™ kit	30-B 024	30-B 024	30-B 024

5" ANGLE GRINDERS

NEW AND IMPROVED!



SUPER 5™

Order no. 30-A 150

The perfect intermediate size grinder

Now boasting a 10.5A motor, this grinder is the right choice for those jobs that require extra power from a lightweight tool. This industrial grade power tool is built to last, and when paired with 5" Walter abrasives it provides one of the safest and most productive systems to tackle a wide range of jobs.

SUPER 5 PS™

Order no. 30-A 153

Safety and performance

The Super 5 PS™ allows you to grind, cut, sand, finish and clean at a much faster and smoother rate. Furthermore, rest assured that when you hold the Super 5 PS™, you are holding the safest grinder thanks to Soft Start™, Powerguard™, a safety clutch and a safety restart that prevents the tool from starting on its own after a power interruption. The Super 5 PS also comes with a paddle switch and a mechanical brake which stops the grinder within 2 seconds of relieving the trigger.

PRO 5™

Order no. 30-A 157

The best ratio of weight and performance

The Pro 5™ has no peers among 5" angle grinders when it comes to removal rate or cutting speed. Equipped with the Walter Stabilizer™, DYNAMAX™, Powerguard™, and Soft Start™ technologies, the Pro 5™ is in a class of its own and offers the most comprehensive safety and productivity enhancing features.

Description	SUPER 5™	SUPER 5 PS™	PRO 5™
Model name	6150i	6153C	6157A
Order No.	30-A 150	30-A 153	30-A 157
Anti vibration side handle	√	√	√
Safety clutch	√	√	√
QUICK-R™ instant release function	√	√	√
Tool-free rotating guard	√	√	√
Non-locking paddle switch		√	
Mechanical brake system		2-second brake	
Lock-on switch	√		√
AC/DC compatibility	√	AC only	AC compatibility only
Stabilizer™			√
Soft-Start™		√	√
Restart protection		√	√
DYNAMAX™ RPM monitoring		√	√
POWERGUARD™ overheat protection		√	√
LED indicator		√	√
Spindle	5/8" - 11	5/8" - 11	5/8" - 11
RPM no-load	11,000	11,000	11,000
Amps	10.5 A	13.5 A	13.5 A
Power	1200 W	1550 W	1550 W
Tool weight	5.3 lbs	5.5 lbs	5.7 lbs
Maximum wheel diameter	5"	5"	5"
Standard equipment			
Wheel guard type 27	48-M 444	48-M 444	48-M 444
Side handle	30-B 075	30-B 075	30-B 075
Inner flange	30-B 057	30-B 057	30-B 057
QUICK-R™ front nut	30-B 020	30-B 020	30-B 020
Optional equipment			
Close guard adaptor	34-B 011	34-B 011	34-B 011
Manual clamping nut	30-B 037	30-B 037	30-B 037
Nut holder	30-B 023	30-B 023	30-B 023
Pin key wrench	48-Z 148	48-Z 148	48-Z 148
SPIN-ON™ kit	30-B 024	30-B 024	30-B 024

6" ANGLE GRINDERS



WARRANTY
LONG-RUN SERVICEGUARD™ Protection Plan **24** MONTHS

BIG 6™

Order no. 30-A 260

The best ratio of weight and performance

The Big 6™ is the most powerful grinder in its class. The only grinder that can deliver 1,700 watts with a 6" wheel capacity, the Big 6™ is built for heavy duty applications. It offers a secure grip thanks to the new Walter Stabilizer™ system, which reduces vibration and increases the life of each wheel by at least 30%. The Big 6™ has extensive safety features, making it ideal for production environments that require the performance of a 7" or even 9" grinder without the weight that contributes to operator fatigue.



WARRANTY
LONG-RUN SERVICEGUARD™ Protection Plan **24** MONTHS

BIG 6 PS™

Order no. 30-A 263

Heavy-duty performance with additional safety features

The Big 6 PS™ comes with a paddle switch and a mechanical brake to stop the grinder within 2 seconds of relieving the trigger. The Big 6 PS™ is the safest heavy duty grinder on the market and also comes with a Walter Stabilizer™ to reduce vibration, improving workplace ergonomics while improving the life and removal rate of your abrasives.

Description	BIG 6™	BIG 6 PS™
Model name	6260J	6263B
Order No.	30-A 260	30-A 263
Anti vibration side handle	✓	✓
Safety clutch	✓	✓
QUICK-R™ instant release function	✓	✓
Tool-free rotating guard	✓	✓
Lock-on switch	✓	
Non-locking paddle switch		✓
Mechanical brake system		✓
AC/DC compatibility	AC compatibility only	AC compatibility only
Stabilizer™	✓	✓
Soft-Start™	✓	✓
Restart protection	✓	✓
DYNAMAX™ RPM monitoring	✓	✓
POWERGUARD™ overheat protection	✓	✓
LED indicator	✓	✓
Spindle	5/8" - 11	5/8" - 11
RPM no-load	9,600	9,600
Amps	14.5 A	14.5 A
Power	1700 W	1700 W
Tool weight	5.9 lbs	6.2 lbs
Maximum wheel diameter	6"	6"
Standard equipment		
Wheel guard type 27	48-M 446	48-M 446
Side handle	30-B 075	30-B 075
Inner flange	30-B 057	30-B 057
QUICK-R™ front nut	30-B 020	30-B 020
Optional equipment		
Close guard adaptor	34-B 011	34-B 011
Manual clamping nut	30-B 037	30-B 037
Nut holder	30-B 023	30-B 023
Pin key wrench	48-Z 148	48-Z 148
SPIN-ON™ kit	30-B 024	30-B 024

IRONMAN™ GRINDERS

WARRANTY

LONG-RUN
SERVICEGUARD™
Protection Plan

24
MONTHS



IRONMAN™

Order no. 30-A 560

Top performance in strenuous and prolonged applications

With its ergonomic rat-tail design, the Ironman™ delivers 1,750 watts with 6" wheel capacity. It comes with a Walter Stabilizer™ to reduce vibration and extend the life and removal rate of your abrasives by up to 30%. Ideal for prolonged applications, when combined with Walter abrasives, Ironman™ is among the industry's most productive systems available.

IRONMAN™ PS

Order no. 30-A 563

Exceptional performance with added safety features

If it's high performance and added safety you're after, the Ironman™ PS comes with a paddle switch and a mechanical brake to stop grinding wheels from turning within 2 seconds of relieving the trigger, and cutting wheels within 1.5 seconds. It delivers 1,750 watts of power and comes with a Walter Stabilizer™ to reduce vibration, improve ergonomics and extend the life and removal rate of your abrasives.

Description	IRONMAN™	IRONMAN™ PS
Model name	6560A	6563A
Order No.	30-A 560	30-A 563
Anti vibration side handle	√	√
Safety clutch	√	√
QUICK-R™ instant release function	√	√
Tool-free rotating guard	√	√
Lock-on switch	√	
Mechanical brake system		2-second brake
AC/DC compatibility	AC compatibility only	AC compatibility only
Stabilizer™	√	√
Soft-Start™	√	√
Restart protection	√	√
DYNAMAX™ RPM monitoring	√	√
POWERGUARD™ overheat protection	√	√
LED indicator	√	√
Spindle	5/8" - 11	5/8" - 11
RPM no-load	9,600	9,600
Amps	14.5 A	14.5 A
Power	1750 W	1750 W
Tool weight	6.2 lbs	6.2 lbs
Maximum wheel diameter	6"	6"
Standard equipment		
Wheel guard type 27	48-M 444	48-M 446
Side handle	30-B 075	30-B 075
QUICK-R™ front nut	30-B 020	30-B 020
Optional equipment		
Close guard adaptor	34-B 011	34-B 012
Manual clamping nut	30-B 037	30-B 037
Nut holder	30-B 023	30-B 023
Pin key wrench	48-Z 148	48-Z 148
SPIN-ON™ kit	30-B 024	30-B 024

MAXI™ GRINDERS



MAXI™ 7"

Order no. 30-A 170

MAXI™ 9"

Order no. 30-A 190

Pound for pound, they deliver more power and better performance

These full-size industrial angle grinders now deliver even more power and speed to get heavy-duty grinding and finishing jobs done faster and with less effort. Well established and recognized quality motors generate less heat and deliver a higher removal rate under load. These grinders will stay on the job longer in the most demanding applications such as bevelling, grinding and taking down heavy welds.

WARRANTY

LONG-RUN
SERVICEGUARD™
Protection Plan **24**
MONTHS

Description	MAXI™ 7"	MAXI™ 9"
Model name	6170i	6190i
Order No.	30-A 170	30-A 190
Anti vibration side handle	√	√
Lock-on switch	√	√
AC/DC compatibility	√	√
Swivel rear handle	√	√
Spindle	5/8" - 11	5/8" - 11
RPM no-load	8,500	6,800
Amps	15 A	15 A
Power	2400 W	2400 W
Tool weight	12.8 lbs	12.8 lbs
Maximum wheel diameter	7"	9"
Standard equipment		
Wheel guard	48-M 472	48-M 517
Side handle	48-M 401	48-M 401
Inner flange	30-B 057	30-B 057
Clamping nut	30-B 037	30-B 037
Pin key wrench	48-M 483	48-M 483
Optional equipment		
Cut-off guard	34-B 065	34-B 066

* Non-locking switch available upon request for MAXI™ grinder models.

STRAIGHT-MATE™

Order no. 30-A 606 (30A607 for the kit)

The ultimate straight grinder and lightweight polishing and buffing tool

The Straight-Mate™ packs a punch as the ultimate lightweight straight grinder with Walter's Dynamax™ variable speed control and RPM range of 1,600 to 4,800. A versatile grinding, polishing and buffing tool.



Features

- ▷ *Dynamax™ variable speed control*
- ▷ *RPM range: 1,600-4,800*
- ▷ *Lightweight: 7 lbs (3.2 kg)*
- ▷ *Max wheel diameter: 6" (150mm).*
- ▷ *Compatible with cotton wheels and polishing pastes*
- ▷ *Compatible with wire brush and Line-Mate™ drums*
- ▷ *Compatible with non-woven abrasives,*
- ▷ *Plugs and cones*
- ▷ *Compatible with snagging wheels*

STRAIGHT-MATE KIT

Order no. 30-A 607

Includes:

- 1 FX Stainless (07-X 661)
- 1 Blendex U (07-U 613)
- 1 2-in-1 Turbo Drum (07-K 441)
- 1 2-in-1 Drum (07-K 342)
- 1 Blendex Drum (07-M 323)
- 1 Cotton Drum (07-T 425)
- 1 Polishing Paste (07-T 907)
- 1 Wire Drums (13-M 454)
- 1 Straight-Mate (30-A 606)

Description	STRAIGHT-MATE™
Model Name	6606A
Order No.	30-A 606 (30A607 for kit)
Lock-on switch	√
AC compatibility only	√
Soft-Start ^{MC}	√
Restart protection	
DYNAMAX™ RPM monitoring	√
LED indicator	
DIALSPEED™ variable RPM selector	√
Spindle	5/8"-11
RPM no-load	1600-4800
Amperage	11.8
Power	1300W
Tool weight	6.6 lbs
Maximum wheel diameter	6" (150mm)

SANDER-POLISHER QUICK-STEP FINISHER™

Order no. 30-A 275

The perfect tool for surface finishing and polishing

This variable speed tool was specifically designed to get the most out of the QUICK-STEP™ surface finishing system. Whether you sand, buff or polish, the QUICK-STEP Finisher™ will provide you with a uniform, top quality finish and reduced finishing times. With all the latest electronic safety controls, the QUICK-STEP Finisher™ is the smart choice for professionals looking to reduce cycle time and finishing costs.



QUICK-STEP Finisher™ system

Order no. 30-A 277

Includes:

- 1 Quick-Step Finisher (30-A 275) with standard equipment plus carrying case
- 1 Quick-Step backing pad MG (07-Q 149)
- 1 Quick-Step FX (07-X 845)
- 1 Quick-Step FLEX grit 120 (07-Q 512)
- 1 Quick-Step FLEX grit 60 (07-Q 506)
- 1 Quick-Step interface pad (07-Q 045)
- 2 Quick-Step XX grit 120 (15-V 412)
- 2 Quick-Step XX grit 240 (15-V 424)
- 2 Quick-Step Blendex med (07-R 453)
- 1 Quick-Step Blendex fine (07-R 454)



Description	QUICK-STEP FINISHER™
Model name	6275B
Order No.	30-A 275
Anti vibration side handle	✓
Safety clutch	✓
QUICK-R™ instant release function	✓
Lock-on switch	✓
AC/DC compatibility	AC compatibility only
Soft-Start™	✓
Restart protection	✓
DYNAMAX™ RPM monitoring	✓
POWERGUARD™ overheat protection	✓
LED indicator	✓
DIALSPEED™ variable RPM selector	✓
Spindle	5/8" - 11
RPM no-load	2,000 to 7,600
Amps	12.2 A
Power	1550 W
Tool weight	5.5 lbs
Maximum wheel diameter	6"
Standard equipment	
Wheel guard type 27	48-M 446
Side handle	30-B 075
Inner flange	30-B 057
QUICK-R™ front nut	30-B 020
Optional equipment	
Manual clamping nut	30-B 037
Nut holder	30-B 023
Pin key wrench	48-Z 148

SANDER-POLISHER

QUICK-STEP BIG-BUFF III™

Order no. 30-A 265

The most comfortable and versatile tool for metal polishing

The Quick-Step Big-Buff III™ is a variable speed tool designed to provide operators with the power and versatility to tackle any job that requires sanding, buffing or polishing. The ergonomic design reduces operator fatigue and ensures smooth operation during the most demanding jobs.



QUICK-STEP BIG-BUFF III™ SYSTEM – 4 1/2"

Order no. 30-A 267

Includes:

- 1 Quick-Step backing pad MG (07-Q 149)
- 1 Quick-Step FX (07-X 845)
- 1 Quick-Step FLEX grit 120 (07-Q 512)
- 1 Quick-Step FLEX grit 60 (07-Q 506),
- 1 Quick-Step interface pad (07-Q 045)
- 2 Quick-Step XX grit 120 (15-V 412)
- 2 Quick-Step XX grit 240 (15-V 424)
- 2 Quick-Step Blendex med (07-R 453)
- 2 Quick-Step Blendex fine (07-R 454)
- 1 Quick-Step Felt (07-T 450)
- 1 Quick-Step high polish (07-T 454)
- 1 instant polishing paste (07-T 907)
- 1 Quick-Step Big-Buff and carrying case (30-A 265)



Description	QUICK-STEP BIG-BUFF III™
Model name	6265C
Order No.	30-A 265
Lock-on switch	√
AC/DC compatibility	AC compatibility only
Soft-Start™	√
Restart protection	√
DYNAMAX™ RPM monitoring	√
POWERGUARD™ overheat protection	√
DIALSPEED™ variable RPM selector	√
Spindle	5/8" - 11
RPM no-load	2,000 to 7,300
Amps	12.4 A
Power	1500 W
Weight	6 lbs
Maximum wheel diameter	6"
Standard equipment	
Side handle	30-B 075
Inner flange	30-B 057
Manual clamping nut	30-B 037
Pin key wrench	48-Z 148

FILLET WELD GRINDER

ULTI-MATE™

Variable speed fillet weld grinder

Ulti-Mate™ is a variable speed fillet weld grinder and finishing tool designed to work in tight corners that other tools have a difficult time reaching. By combining this tool and our range of quality abrasives, you can go from a rough weld all the way to a mirror finish in just minutes.



ULTI-MATE™ FILLET WELD GRINDER SYSTEM

Order no. 30-A 287

Includes:

- 1 Ulti-Mate grinder
- 1 Enduro-Flex 2-in-1 Turbo (15-I 451)
- 1 Enduro-Flex 2-in-1 (15-I 453)
- 1 Blendex U Turbo, ¼" width (07-U 625)
- 1 Blendex U Turbo, ⅛" width (07-U 615)
- 1 Blendex U 2SF, ¼" width (07-U 621)
- 1 FX Stainless wheel, ¼" width (07-X 662)



Description	ULTI-MATE™ WELD GRINDER SYSTEM
Model name	6285A
Order No.	30-A 287
Anti vibration side handle	✓
Safety clutch	✓
Lock-on switch	✓
AC/DC compatibility	AC compatibility only
Soft-Start™	✓
Restart protection	✓
DYNAMAX™ RPM monitoring	✓
POWERGUARD™ overheat protection	✓
LED indicator	✓
DIALSPEED™ variable RPM selector	✓
Spindle	5/8" - 11
RPM no-load	2,500 to 8,750
Amps	12.2 A
Power	1550 W
Weight	7.7 lbs
Maximum wheel diameter	6"

TUBE / PIPE SANDER

RAIL-MATE™

Remove welds and finish pipes, tubes and railings faster

This power tool allows you to use our premium abrasive products to finish pipes, tubes and railings. This powerful finishing tool features Soft-Start technology to avoid kickback when starting the tool, Dialspeed™ variable speed control and Dynamax™ RPM Monitoring to maintain consistent speed under load.



RAIL-MATE™ SANDER SYSTEM

Order no. 30-A 289

Includes:

- 1 Rail-Mate sander
- 6 Coolcut XX belts (2 of each: grit 60, 14-X 156; grit 80, 14-X 158; grit 120: 14-X 162)
- 3 Blendex belts (1 of each grade: Coarse, 07-D 152; Medium 07-D 153; Fine 07-D 154)



Description	RAIL-MATE™ SANDER SYSTEM
Model name	6288A
Order No.	30-A 289
Lock-on switch	√
AC/DC compatibility	AC compatibility only
Soft-Start™	√
Restart protection	√
DYNAMAX™ RPM monitoring	√
POWERGUARD™ overheat protection	√
LED indicator	√
DIALSPEED™ variable RPM selector	√
Spindle	5/8" - 11
RPM no-load	1,600 to 3,200
Surface speed	3-12 m/sec.
MAX belt size L x W	760 mm x 40 mm
MAX pipe diameter	7 in. (180 mm)
MAX polishing deg.	270°
Amps	10A
Power	1200 W
Tool weight	6.8 lbs
QUICK-R™ front nut	30-B 020

DRUM SANDER

QUICK-STEP LINE-MATE III™

Order no. 30-A 268



Linear finishing made easy

The Line-Mate III™ is a versatile variable speed tool that allows you to quickly and easily apply a wide range of linear finishes to metal surfaces. Its powerful motor will help you complete even the toughest jobs with ease. RPM remains constant under load for a consistent and uniform finish every time. When you have a project that requires a linear scratch pattern applied to the surface, trust Line-Mate to get the job done quickly and efficiently.

LINE-MATE III™ SYSTEM

Order no. 30-A 269

Includes:

- 1 Line-Mate III™ with standard equipment plus carrying case
- 1 pneumatic drum (07-F 051)
- 6 cloth drum belts (2 each grit: 60: 07-F 506, 80: 07-F 508 and 120: 07-F 511)
- 2 BLENDEX drum belts (Coarse: 07-H 502, medium: 07-H 503)
- 1 TWO-IN-ONE drum (4 ¼" x 4": 07-K 342)
- 1 BLENDEX drum (4 ¼" x 4" medium: 07-M 343)



Description	QUICK-STEP LINE-MATE III™
Model name	6268C
Order No.	30-A 268
Lock-on switch	√
AC/DC compatibility	AC only
Soft-Start™	√
Restart protection	√
DYNAMAX™ RPM monitoring	√
POWERGUARD™ overheat protection	√
DIALSPEED™ variable RPM selector	√
Spindle	5/8" - 11
RPM no-load	1,000 to 3,800
Amps	12.4 A
Power	1500 W
Weight	6 lbs
Max. wheel dimensions	4 ½" diameter x 4" length
Standard equipment	
Side handle	48-Z 034
Manual clamping nut	30-B 037
Pin key wrench	48-Z 148
Inner flange	30-B 057

POINT GRINDER

DIALSPEED™ 6141

Order no. 30-A 141

For fitting and finishing work

The convenient design of this very popular point grinder results in increased performance and operator comfort to let you reach new levels of productivity. Proven electronics and the quality construction of the motor deliver more power to the spindle while the ergonomic housing minimizes fatigue. This tool is the perfect companion to our premium carbide burs for any deburring or shaping applications.

SPEED 1	10,000 rpm
SPEED 2	14,000 rpm
SPEED 3	18,500 rpm
SPEED 4	22,000 rpm
SPEED 5	26,000 rpm
SPEED 6	30,500 rpm



Description	DIALSPEED™ 6141
Model name	6141E
Order No.	30-A 141
Lock-on switch	√
AC/DC compatibility	AC compatibility only
Soft-Start™	√
Restart protection	√
DYNAMAX™ RPM monitoring	√
POWERGUARD™ overheat protection	√
DIALSPEED™ variable RPM selector	√
Collet	¼"
RPM no-load	10,000 to 30,500
Amps	6.4 A
Power	710 W
Tool weight	4.2 lbs
Tool length	13.75"
Maximum wheel diameter	1.5"
Standard equipment	
¼ collet	30-B 046
Spanner	48-Z 019
Optional equipment	
Cutting guard	30-B 051

STRAIGHT GRINDER

DIALSPEED™ 6145

Order no. 30-A 145

For finishing, brushing and polishing work

Our Dialspeed™ Straight Grinder operates at a lower RPM range, making it the perfect companion for mounted flap wheels or wire brushes for brushing, finishing or polishing applications. The newly designed planetary gears allow you to get closer to the workpiece, producing a uniform and straight finish. This industrial power tool is built to last and also features a side handle for increased control in applications requiring a delicate touch.

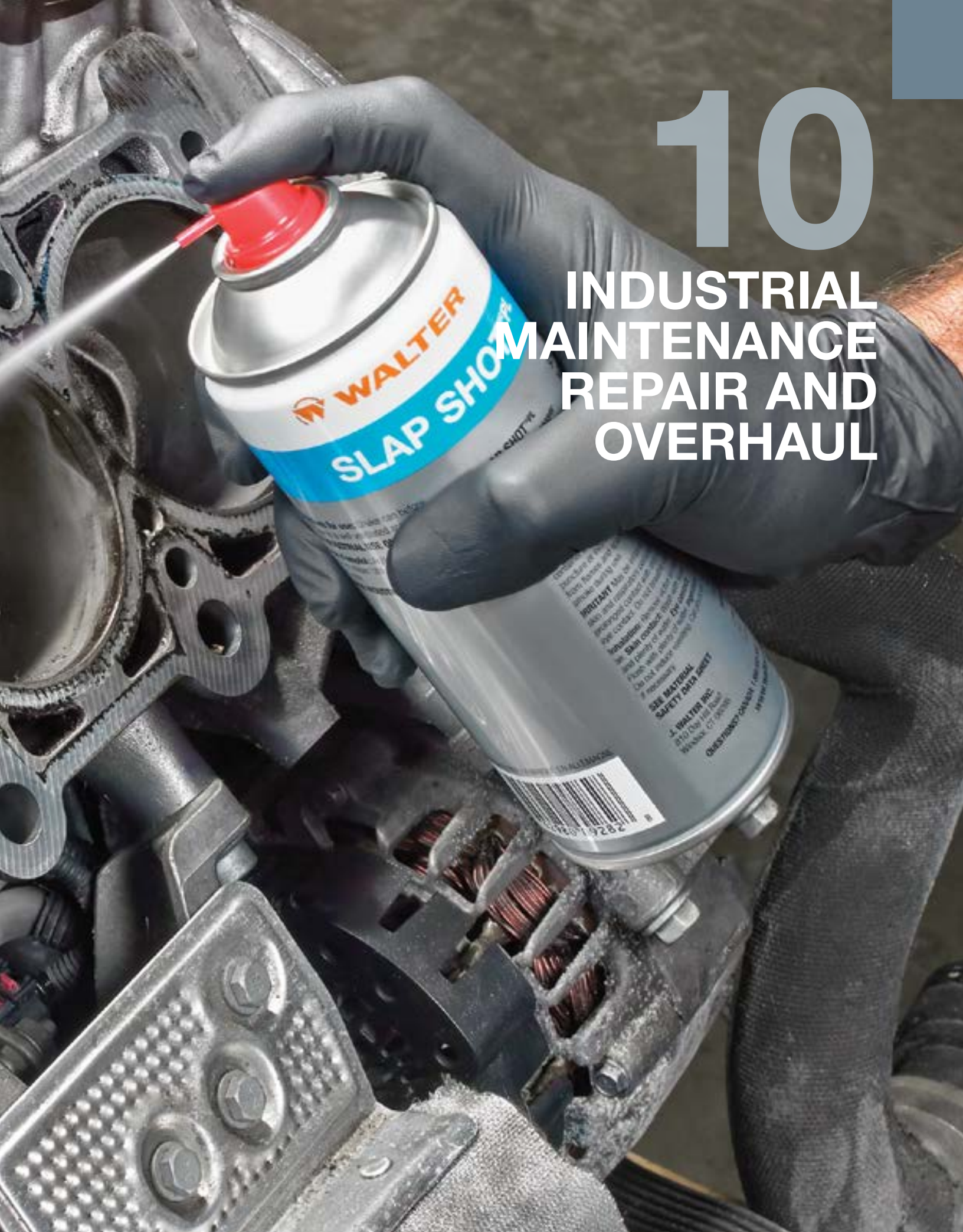


SPEED 1	2,500 rpm
SPEED 2	4,000 rpm
SPEED 3	5,500 rpm
SPEED 4	7,000 rpm
SPEED 5	8,000 rpm
SPEED 6	8,700 rpm

Description	DIALSPEED™ STRAIGHT GRINDER 6145
Model name	6145E
Order No.	30-A 145
Lock-on switch	✓
AC/DC compatibility	AC compatibility only
Soft-Start™	✓
Restart protection	✓
DYNAMAX™ RPM monitoring	✓
POWERGUARD™ overheat protection	✓
DIALSPEED™ variable RPM selector	✓
Collet	¼"
RPM no-load	2,500 to 8,700
Amps	8.5 A
Power	950 W
Tool weight	4.3 lbs
Tool length	14"
Maximum wheel diameter	1.5"
Standard equipment	
Side handle	48-L 555
¼ collet	30-B 046
Spanner	48-Z 019
Optional equipment	
Cutting guard	30-B 051

10

INDUSTRIAL MAINTENANCE REPAIR AND OVERHAUL



FAST EVAPORATING CLEANING AND DEGREASING

AF-PL™ is a system with a base unit that automatically dispenses AF-PL™ liquid cleaner and compressed air into refillable spray cans. Save money by buying your cleaner in bulk and reduce costs associated with the disposal of aerosol cans, all while reducing your environmental impact.



Air Force AF-PL™

Plastic-safe, fast-evaporating parts degreaser
 AF-PL™ is a residue-free, fast-evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime safely and effectively. Specially formulated for maximum compatibility with plastics and rubber-like compounds. Bulk packaging provides great cost-effectiveness.



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid, trigger sprayer	500 ml	16.9 fl.oz.	53-C 553	L-65	12
Liquid	5 L	1.3 gal	53-C 556	L-65	1
Liquid	20 L	5.2 gal	53-C 557	L-65	1
Liquid	200 L	52.8 gal	53-C 558	L-65	1

ACCESSORIES	Order no.
Industrial pump sprayer for SC 400, PRO CLEAN, CB 100, AF-PL, FT 100 and OMNI.	53-L 120
Spout for 20 L round metal pail and 200L metal drum 3/4" NPT	53-L 208

Applications

- ▷ *Cleaning metal parts in presence of plastic or gaskets*
- ▷ *Removal of grease and oil*

Benefits

- ▷ *Eliminates aerosol disposal costs*
- ▷ *Reduces environmental impact*
- ▷ *Improves sustainability*

Features

- ▷ *Cost-effective brake cleaner alternative*
- ▷ *Safe for most plastics and rubber compounds*
- ▷ *Non-chlorinated solvents penetrate and displace moisture*
- ▷ *Evaporates fast—no residues, no rinsing*

AIR FORCE AF-PL™ START-UP PACKAGES

Air Force AF-PL™ 20 L / 5.3 gal.

The start-up package includes:

- ▷ 1 x 53-C 557 AF-PL 20 L / 5.3 gal. pail
- ▷ 1 x 53-M 041 pail adaptor
- ▷ 6 x 53-M 101 refillable bottle
- ▷ 6 x 53-M 054 variable spray valve

Order no.: 53-M 012AFPLP



Air Force AF-PL™ 200 L / 52.8 gal.

The start-up package includes:

- ▷ 1 x 53-C 558 AF-PL 200 L / 52.8 gal. drum
- ▷ 1 x 53-M 038 drum adaptor
- ▷ 1 x 53-M 025 safety valve
- ▷ 6 x 53-M 101 refillable bottle
- ▷ 6 x 53-M 054 variable spray valve

Order no.: 53-M 012AFPLD



AF-PL™

Refillable sprayer

Durable and light weight aluminum AF-PL sprayer comes with an AF-PL specific label to clearly identify the contents and ensure full WHMIS and OSHA compliance.

Fill capacity: 400 ml / 13.5 oz

Operating pressure: 90 - 125 psi

Order no. 53-M 101



Optional nozzles	Order No.
Wide spray	53-M 022
Long extension tube	53-M 052
Variable spray	53-M 054
Accessories	Order No.
Air refilling station	53-M 010
Air nozzle	53-M 015
Replacement valve kit (includes 2 valves and 2 spray tips)	53-M 030
Brass screw cap	53-M 037
Replacement filling valve	53-M 039
Pail adaptor	53-M 041
Drum adaptor	53-M 038
Safety valve	53-M 025



*No more disposing
of hazardous
aerosol cans*



53-M 010

FAST EVAPORATING CLEANING AND DEGREASING

SLAP SHOT™

Fast evaporating degreaser

SLAP SHOT™ is a highly effective, residue-free, fast evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime on contact. **NSF category K1, registration #154299 (Aerosol) #154300 (Liquid)**

Applications

- ▷ *Cleaning and degreasing for maintenance and repair*
- ▷ *Preparing surfaces for painting or relubrication*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	500 ml	16.9 fl.oz.	53-C 502	L-39	12
Liquid, trigger sprayer	500 ml	16.9 fl.oz.	53-C 503	L-40	12
Liquid	5 L	1.3 gal	53-C 506	L-40	1
Liquid	20 L	5.2 gal	53-C 507	L-40	1
Liquid	200 L	52.8 gal	53-C 508	L-40	1

ACCESSORIES

	Order no.
Spout for 20 L round metal pail and 200L metal drum 3/4" NPT	53-L 208
Refillable trigger sprayer bottles	53-L 311

SLAP SHOT™ PL

Plastic safe fast evaporating degreaser

SLAP SHOT™ PL is a highly effective, residue-free, fast evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime on contact. Specially formulated for maximum compatibility with plastics and rubber-like compounds.

Applications

- ▷ *Cleaning metal parts in presence of plastic or gaskets*
- ▷ *Removal of grease and oil*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 fl.oz.	53-C 552	L-64	12



Benefits

- ▷ *Fast acting—dissolves stubborn contaminants quickly and completely*
- ▷ *No residues, no rinsing*

Features

- ▷ *Versatile*
- ▷ *Safe on all metals*
- ▷ *Free of chlorinated solvent*
- ▷ *Strong aerosol jet*



Benefits

- ▷ *Fast acting—dissolves stubborn contaminants quickly and completely*
- ▷ *No residues, no rinsing*

Features

- ▷ *Multipurpose*
- ▷ *Safe on all metals and most plastics and rubber compounds*
- ▷ *Free of chlorinated solvent*
- ▷ *Strong aerosol jet*

ELECTRONIC CONTACT CLEANING

CONTACT CLEAN™

Non-flammable electronics and electrical equipment cleaner

Contact Clean™ removes grease, oil, and contaminants from sensitive electronics and electrical equipment to prevent contact failure. Fast-evaporating formula dries residue-free in seconds. Safe to use on most plastics.

NSF category K2, registration #154540



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	340 g	12 oz.	53-C 712	L-165	12

Applications

- ▷ Removing contaminants from electrical parts
- ▷ Instrument and equipment junction cleaning (PLCs, printed circuit boards, vehicle fuse boxes)

Benefits

- ▷ Fast acting – dissolves stubborn contaminants quickly and completely
- ▷ Fast evaporating
- ▷ No residues, no rinsing

Features

- ▷ Safely cleans most plastics and rubber compounds
- ▷ Strong aerosol jet
- ▷ Nonconductive
- ▷ VOC compliant (per CARB 310)



FOOD GRADE LUBRICANTS

FOOD ZONE™

Food grade general purpose lubricant
 FOOD ZONE™ is a multipurpose lubricant and penetrating oil developed for food industry manufacturing plants. Extends equipment life by protecting against friction, wear, and corrosion.
NSF category H1, registration #148372

Applications

- ▷ Lubrication and temporary corrosion protection of food and beverage processing equipment
- ▷ Loosening of rust, scale, grime, and corrosion



All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 602	L-153	12



Benefits

- ▷ Lubricates and protects
- ▷ Displaces moisture and water
- ▷ Loosens rusted parts

Features

- ▷ Fast-penetrating oil leaves a thin protective film
- ▷ Multipurpose

FOOD ZONE™ V

High viscosity food grade lubricant
 FOOD ZONE™ V is an industrial-strength lubricant designed for heavy-duty applications and chain lubrication in food-manufacturing facilities. Foamy, non-drying formula adheres to surfaces and reduces friction, wear, and corrosion in heavy-loaded machinery.
NSF category H1, registration #148374

Applications

- ▷ Lubrication of chains and conveyor systems
- ▷ Lubrication of moving parts in heavy-loaded industrial machinery



Rubber

Plastic

All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 652	L-154	12



Benefits

- ▷ Easy to apply
- ▷ Maximum adherence
- ▷ Protects against wear and corrosion

Features

- ▷ Heavy-duty, high-grade formula with PTFE additives
- ▷ Thick, non-drying, water-resistant film
- ▷ Ideal for vertical surfaces

INDUSTRIAL LUBRICANTS

OPEN GEAR™

High-load drive lubricant

OPEN GEAR™ is an adherent, long-lasting, high-load gear grease that prevents metal-to-metal contact. Increases efficiency and service life of drives and gears—even in harsh environments.

Applications

- ▷ All types of heavy-duty chains, drives, and gears



All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-E 102	L-16	12

Benefits

- ▷ Excellent lubrication under tremendous load and in harsh environments
- ▷ Won't fly off gears
- ▷ Extends machine life
- ▷ Minimizes downtime

CHAIN GANG™

High load chain lubricant

CHAIN GANG™ is a high-performance synthetic lubricant that lasts longer than traditional lubricants. Effectively penetrates fine pins and bushings to seal out dust, dirt, water, and other contaminants. Provides excellent protection and enhances the life of any machinery that uses chains or wire cables.

Applications

- ▷ All types of chain drives, O-ring chains, and wire rope
- ▷ Machinery (especially forklifts)



All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 102	L-05	12

Benefits

- ▷ Reduces costly downtime due to seized chains, pin breakage, and premature wear
- ▷ Stays cleaner and lasts longer than hot grease dips
- ▷ Requires fewer applications than other lubricants
- ▷ Prolongs chain life



Features

- ▷ Contains moly and EP additives for high-load lubrication
- ▷ Highly adhesive
- ▷ Water- and dirt-resistant
- ▷ Resists loads up to 90 000 lbs/in²



Features

- ▷ Contains microscopic moly particles for excellent lubricity
- ▷ Penetrates fine clearances
- ▷ Water-resistant and dust-resistant
- ▷ Repels dirt particles

HANG-ON™

Adhesive lubricant

HANG-ON™ is a highly adhesive maintenance lubricant that provides effective, long-lasting lubrication under harsh conditions and over extended periods of time.

Applications

- ▷ Forklift truck chains, locking pins, snowplows, hinges, etc.
- ▷ Differentials in coupling units



All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 812	L-33	12
Liquid	20 L	5.2 gal	53-D 817	L-45	1

ACCESSORIES

Refillable trigger sprayer bottles

Order no.

53-L 331



Benefits

- ▷ Outperforms and lasts longer than all-purpose and standard thin-film lubricants
- ▷ Resists exposure to weather, salt water, mild chemicals, high loads, and temperatures up to 200 °C (390 °F)
- ▷ Doesn't drip or stain vertical surfaces
- ▷ Efficient, long-lasting action reduces downtimes and maintenance frequencies

Features

- ▷ Silicone-free, no chlorinated solvent
- ▷ Adheres extremely well to surfaces
- ▷ Penetrates fine clearances
- ▷ Displaces water and moisture

BOLT-OUT™

Penetrating lubricant

BOLT-OUT™ is a heavy-duty, non-chlorinated liquid solution that penetrates and lubricates to efficiently free seized parts while inhibiting further rust. Works well in a wide range of temperatures.

Applications

- ▷ Loosening seized bolts, nuts, studs, and pins
- ▷ Disassembly of seized bolts, nuts, mechanisms, pins, bushings, etc.



All Metals

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 892	L-08	12
Liquid, trigger sprayer	500 ml	16.9 fl.oz.	53-D 893	L-26	12
Liquid	20 L	5.2 gal	53-D 897	L-26	1

ACCESSORIES

Refillable trigger sprayer bottles

Order no.

53-L 332



Benefits

- ▷ Enables faster, easier disassembly
- ▷ Prevents/protects against further corrosion

Features

- ▷ Nonflammable, silicone-free, no chlorinated solvents
- ▷ Contains microscopic moly particles for excellent lubricity
- ▷ Displaces moisture
- ▷ Effective from -20 °C to 250 °C (-4 °F to 482 °F)

COLD SHOCK™

Seized parts are no match for fast penetrating Cold Shock™

Cold Shock™ is a high tech lubricant that frees corroded and seized parts by creating a sudden, shock-freezing effect to -35°C (-31°F). Cold Shock™ penetrates micro-fissures to loosen nuts, bolts, studs, pins and other seized parts in an instant.

Applications

- ▷ For use on corroded and seized nuts, bolts, studs, pins and other components.

Benefits

- ▷ Loosens corroded and seized parts through cooling
- ▷ Powerful 1 to 2-minute penetration time

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 882	L-98	12



Features

- ▷ Decreases parts temperatures to -35°C (-31°F)
- ▷ Shock-effect lubricant
- ▷ Straw extension for precise targeting

ROCK'N ROLL™

Ceramic anti-seize lubricant

ROCK'N ROLL™ is an inert, non toxic, metal-free white lubricant that prevents seizing of assemblies. Provides long-term protection against corrosion. Highly effective in a wide range of temperatures (-30C or -22°F to 1400C or 2500°F) and in extreme conditions.

Applications

- ▷ Lubrication of all threaded components, bushings, and press fits
- ▷ Lubrication of highly stressed bearings



Benefits

- ▷ Makes disassembly easy and efficient
- ▷ Provides long-term corrosion protection
- ▷ No galling or seizing
- ▷ Safe for food industry applications

Features

- ▷ Inert ingredients
- ▷ Non-carbonizing
- ▷ (Paste) highly resistant to water, seawater, benzene, and most acids and alkalis



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-D 852	L-43	12
Paste/Brush	255.15 g	9 oz.	53-D 854	L-44	12

ALUCUT™

Solid stick aluminum cutting lubricant

Alucut™ is a high-performance lubricant that extends cutting tool life. Specially formulated for use with aluminum and other non-ferrous metals.

Applications

- ▷ Cutting with circular chopaws
- ▷ Drilling

Benefits

- ▷ Reduces scoring and chatter marks
- ▷ Improves finish
- ▷ Increases productivity
- ▷ Minimizes waste



Alu.

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Solid stick	300 g	10.5 oz.	53-B 303	L-04	12

STAINLESSCUT™

Stainless steel cutting lubricant

STAINLESSCUT™ is a heavy-duty cutting lubricant designed for tough metal cutting operations. Formulated for stainless steel, alloys, and ferrous alloys.

Applications

- ▷ Machining operations
- ▷ Drilling

Benefits

- ▷ Washes off completely with water
- ▷ Easy clean-up
- ▷ Improves finish to prolong tool life



Steel Inox.

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	312 g	11 oz.	53-B 202	L-53	12
Liquid/Squeeze bottle	350 ml	11.8 fl.oz.	53-B 203	L-114	12
Liquid	3.78 L	1 gal	53-B 205	L-114	1



Features

- ▷ Clean, precise, stain-free application
- ▷ Coats cutting edge or workpiece
- ▷ Ideal for inclined, vertical, and overhead surfaces



Features

- ▷ Contains extreme pressure additives (EP)
- ▷ Solvent-free, sulfur-free, and chlorine-free
- ▷ High lubricity and cooling properties
- ▷ Non hazardous

ICECUT™

Ready-to-use coolant/lubricant

ICECUT™ is a ready-to-use coolant/lubricant specially formulated for use with magnetic drilling units to reduce tool wear and improve production rates.

Applications

- ▷ *Drilling with annular cutters, carbide core cutters, and drill bits*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-C 055	L-122	1
Liquid	20 L	5.2 gal	53-C 057	L-122	1

ACCESSORIES	Order no.
Spout for 20 L square plastic pail	53-L 207



Benefits

- ▷ *Reduces friction and heat*
- ▷ *Extends cutting tool life*
- ▷ *Increases productivity*
- ▷ *Improves finish*

Features

- ▷ *Nitrate-free, amine-free, boron-free, phenol-free and active sulfur-free*

TAPCUT™

Thread cutting lubricant

TAPCUT™ lubricant is specially formulated for thread cutting with taps and dies.

Applications

- ▷ *Hand tapping*
- ▷ *Machine tapping*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid/Squeeze bottle	350 ml	11.8 fl.oz.	53-A 103	L-115	12
Liquid	3.78 L	1 gal	53-A 105	L-115	1
Liquid	20 L	5.2 gal	53-A 107	L-115	1

ACCESSORIES	Order no.
Spout for 20 L square plastic pail	53-L 207



Benefits

- ▷ *Taps and dies cut faster and last longer*
- ▷ *Cleans up easily with water*

Features

- ▷ *Special antiwear additives for thread cutting*
- ▷ *Produces clean, accurate threads*
- ▷ *Non hazardous*

CORROSION PROTECTION

ZINC 100™

Bright galvanizing spray

ZINC 100™ is a bright, long-lasting corrosion protection spray specially formulated for the touch-up and repair of hot galvanized parts.

Applications

- ▷ Food processing equipment
- ▷ Water and storage tanks

Benefits

- ▷ Effective, long-lasting corrosion protection
- ▷ Resists chemical and water attack
- ▷ Can be painted over



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	11.5 oz.	53-H 102	L-54	12



Features

- ▷ Zinc flakes permanently bond to metallic surfaces
- ▷ Bright metallic finish matches hot dipped look
- ▷ Fast drying
- ▷ Zinc-rich formula meets ASTM A780 standard

ZINC 200™

Cold galvanizing spray

ZINC 200™ is a high-performance, fast-drying corrosion protection spray specially formulated for ferrous metals. Provides the ultimate protection—even when surfaces get scratched.

Applications

- ▷ Marine equipment
- ▷ Weather-exposed parts

Benefits

- ▷ Longest lasting corrosion protection in the marketplace
- ▷ Extremely effective when used as a primer
- ▷ Withstands harsh environmental conditions



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	11.5 oz.	53-H 152	L-95	12



Features

- ▷ Actively fights rust & corrosion
- ▷ Dual-action protection (resin coat and galvanic action)
- ▷ Meets ASTM A780
- ▷ Dull finish, dries to touch in 3-5 min.

SHIELD PRO™

Heavy-duty industrial corrosion protection

SHIELD PRO™ is an adherent, non-drying solution that coats metal parts to protect against corrosion. Ideal for indoor and outdoor storage.

Applications

- ▷ Corrosion protection of outdoor equipment and tools, overseas storage and shipments, cables, chains, pulleys, pump and hose assemblies, and more
- ▷ Suitable for all types of maintenance and repair applications

Benefits

- ▷ Long-term indoor and outdoor corrosion protection
- ▷ Withstands harsh conditions

Features

- ▷ Non-drying film
- ▷ Penetrates and displace moistures
- ▷ Salt water resistant



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-H 255	L-170	1
Liquid	20 L	5.2 gal	53-H 257	L-170	1
Liquid	200 L	52.8 gal	53-H 258	L-170	1

ACCESSORIES

Spout for 20 L round metal pail and 200 L metal drum 53-L 208
3/4" NPT

CUTTING FLUIDS

COOLCUT™

Metal cutting lubricant

Coolcut™ is a ready-to-use, high-performance metal cutting lubricant that stands up to pressure and heat to reduce tool wear and prevent tool breakage.

Applications

▷ *Machining operations*

▷ *Drilling*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	312 g	11 oz.	53-B 002	L-01	12
Solid stick	300 g	300 g	53-B 013	L-22	
Liquid/Squeeze bottle	350 ml	11.8 fl.oz.	53-B 003	L-09	12
Sprayer	500 ml	16.9 oz.	53-B 004	L-09	12
Liquid	3.78 L	1 gal	53-B 005	L-09	1
Liquid	20 L	5.2 gal	53-B 007	L-09	1
Liquid	208 L	55 gal	53-B 008	L-09	1

ACCESSORIES

Spout for 20 L square plastic pail
 Spout for 208 L plastic drum 2" NPT
 Spout for 208 L plastic drum 3/4" NPT

Order no.

53-L 207
 53-L 209
 53-L 210



Benefits

- ▷ *Reduces friction and heat*
- ▷ *Extends cutting tool life*
- ▷ *Improves finish*
- ▷ *Increases productivity*

Features

- ▷ *Contains extreme pressure additives (EP)*
- ▷ *Suitable for all ferrous and non-ferrous metals*
- ▷ *Non hazardous, biodegradable*
- ▷ *Free of solvents and chlorinated ingredients*





COOLCUT™ METALWORKING FLUIDS

*Innovative solutions
for metalworking and
machining operations*

BETTER PERFORMANCE AND PRODUCTIVITY

Walter Surface Technologies COOLCUT™ cutting fluids can be used for almost any metalworking process. All of our products, from machine tool lubricants to water miscible coolants, special additives and corrosion protection solutions, are designed to work together, minimizing interface problems and achieving the highest process efficiency.

- Water miscible coolants and neat cutting oils for machining with defined and non-defined cutting edges
- Spray mist lubricants for minimum quantity applications
- Forming lubricants with a variety of different formulations for sheet metal, tube and massive forming

LIQUIDS AVAILABLE SIZES

Some products are available
in 208 L (55 gal.) drums



WATER MISCIBLE COOLANTS

Water miscible coolants for metalworking must meet a wide range of technical requirements to achieve best possible machining results and smooth operation. All Walter COOLCUT™ lubricants meet or exceed requirements to ensure:

Features

- Cutting performance for long tool life and optimal workpiece finish
- Corrosion protection for machine parts and workpieces
- Compatibility with sensitive materials for components without staining
- Stability and flushing action for clean machines and parts
- Low foaming even with high cooling lubricant pressure

COOLCUT™ 150

Very finely dispersed semisynthetic lubricant for circular and flat grinding and for light machining

COOLCUT™ 150 is a water miscible coolant for light to medium duty machining without high lubricity demands. It is most suited for steels and cast iron.



Features

- ▷ Semisynthetic
- ▷ Free of secondary amines
- ▷ Formaldehyde-free

Benefits

- ▷ Applicable for a wide range of water hardness

Name	Product Number	Size
COOLCUT™ 150	58-A 157	20 L
COOLCUT™ 150	58-A 158	200 L
COOLCUT™ 150	58-A 159	1000 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	•	•	•	•	•

• Preferred • Qualified

Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding

Materials

- Steels
- Cast iron
- Yellow metals

COOLCUT™ 250

Very finely dispersed semisynthetic for grinding and for light- to medium-duty machining



COOLCUT™ 250 is a water miscible coolant for metal cutting processes on individual machine tools as well as centralized systems. Superior washing action ensures safe chip removal, perfect cooling, and clean working spaces. When it comes down to price, COOLCUT™ 250 offers an exceptional value.

Features

- ▷ Formaldehyde-free
- ▷ Semisynthetic
- ▷ Free of secondary amines

Benefits

- ▷ Good grinding performance
- ▷ Ideal price-to-performance ratio

Name	Product Number	Size
COOLCUT™ 250	58-A 257	20 L
COOLCUT™ 250	58-A 258	200 L
COOLCUT™ 250	58-A 259	1000 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
		●	●	●	●

● Preferred ● Qualified

Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding

Materials

- Cast iron
- Steels
- Aluminum
- Yellow metals

COOLCUT™ 200 BF

Boron-free coolant for grinding and cutting operations



COOLCUT™ 200 BF is a very safe coolant that offers a great price to performance ratio. It's good washing action ensures a clean working area. This coolant is especially suitable for grinding processes as well as all medium-cutting operations like drilling and milling.

Features

- ▷ Semisynthetic
- ▷ Boron-, Bactericide-, and Monoethanolamine (MEA)-free

Benefits

- ▷ Very finely dispersed emulsion
- ▷ Excellent grinding performance
- ▷ Perfect price-to-performance ratio

Name	Product Number	Size
COOLCUT™ 200 BF	58-A 295	3.78 L
COOLCUT™ 200 BF	58-A 297	20 L
COOLCUT™ 200 BF	58-A 298	200 L
COOLCUT™ 200 BF	58-A 299	1000 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred ● Qualified

Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

COOLCUT™ 400 U



Universal semisynthetic cooling lubricant, used for medium-duty machining and for grinding. Best solution for aluminum

COOLCUT™ 400 U is universally applicable for use in medium-severe cutting and grinding processes. It is suitable when processing mixed materials (cast iron, steels, yellow metals and aluminum). Its superior washing action ensures a clean working area.

Features

- ▷ Bactericide-free
- ▷ Semisynthetic

Benefits

- ▷ Very versatile

Name	Product Number	Size
COOLCUT™ 400U	58-A 507	20 L
COOLCUT™ 400U	58-A 508	200 L
COOLCUT™ 400U	58-A 509	1000 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred ● Qualified



Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

COOLCUT™ 500 BF



Boron-free lubricant for severe machining processes

COOLCUT™ 500 BF offers excellent performance in extreme pressure conditions. Its special technology allows to work under severe conditions without costly extreme pressure (EP) additives. It is particularly suited for processes on high tensile materials like stainless steels and titanium grades.

Features

- ▷ Boron and bactericides-free

Benefits

- ▷ Extraordinary cutting performance for optimal tool life and surfaces
- ▷ Compatible with a variety of materials, particularly sensitive aluminum alloys
- ▷ Low foaming

Name	Product Number	Size
COOLCUT™ 500BF	58-A 597	20 L
COOLCUT™ 500BF	58-A 598	200 L
COOLCUT™ 500BF	58-A 599	1000 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred ● Qualified



Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding

Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

COOLCUT S-30™

Premium water miscible cutting lubricant

COOLCUT S-30™ is a ready-to-use, high-performance metal cutting lubricant specially designed for automatic and semiautomatic metal removing operations. For general machining.



Features

- ▷ Contains non-chlorinated EP additives
- ▷ Bactericides-free
- ▷ High oil content

Benefits

- ▷ Extraordinary cutting performance for optimal tool life and surfaces

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-C 005	L-119	1
Liquid	20 L	5.2 gal	53-C 007	L-119	1
Liquid	208 L	55 gal	53-C 008	L-119	1

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	●

● Preferred ● Qualified

Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding
- Gear hobbing

Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Titanium

COOLCUT™ S-50

Water-miscible cutting lubricant for high-pressure applications

COOLCUT™ S-50 is a high-performance metal cutting lubricant specially designed for automatic and semi-automatic metal removing operations, even in severe machining processes and high-pressure conditions. Ideal for hard-to-machine materials.



Features

- ▷ Formulated with extended corrosion protection
- ▷ Free of bactericides
- ▷ Contains non-chlorinated EP additives

Benefits

- ▷ Extends cutting tool life
- ▷ Works with pressures up to 1,100 psi

Name	Product Number	Size
COOLCUT™ S-50	53-C 025	3.78 L
COOLCUT™ S-50	53-C 027	20 L
COOLCUT™ S-50	53-C 028	200 L
COOLCUT™ S-50	53-C 029	1000 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
●	●	●	●	●	●

● Preferred ● Qualified

Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Broaching
- Surface and cylindrical grinding
- Profile grinding
- Gear hobbing

Materials

- Steels
- Stainless steel
- Aluminum
- Titanium
- Hard metals

COOLCUT™ SYN 400 BF

Water-soluble cooling lubricant for grinding and machining of steel and aluminum with high lubrication requirements



COOLCUT™ SYN 400 BF is the most technologically advanced coolant on the market. This coolant is designed for severe grinding and cutting operations with high lubricity demand. It is most suitable for aluminum alloys of all kinds including sensitive aerospace alloys. It is also suitable for steels, stainless steels, titanium, yellow metals and other materials suitable for work with ferrous materials and glass.

Features

- ▷ Mineral oil-free, fully synthetic
- ▷ Free of formaldehyde, boron and secondary amines

Benefits

- ▷ Slightly hazy, colorless solution
- ▷ High lubricity for severe operations
- ▷ 30% longer sump life vs most coolants

Name	Product Number	Size
COOLCUT™ SYN 400 BF	58-A 407	20 L
COOLCUT™ SYN 400 BF	58-A 408	200 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
●					

● Preferred ● Qualified



Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Titanium
- Glass ceramics

COOLCUT™ SYN GRIND

Water-soluble cooling lubricant for circular and flat grinding of ferrous metals



COOLCUT™ SYN GRIND is specially designed for grinding operations. It is most suitable for work with ferrous materials and glass.

Features

- ▷ Fully synthetic
- ▷ Free from secondary amines
- ▷ Long coolant life, even in poor conditions

Benefits

- ▷ Colorless solution
- ▷ Excellent grinding performance
- ▷ Ideal price-to-performance ratio

Name	Product Number	Size
COOLCUT™ SYN GRIND	58-A 707	20 L
COOLCUT™ SYN GRIND	58-A 708	200 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
	●	●	●	●	

● Preferred ● Qualified



Processes

- Surface and cylindrical grinding

Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Titanium
- Glass ceramics

COOLCUT™ SYN SSK-H7



High performance, fully synthetic water miscible coolant for carbide grinding

COOLCUT™ SYN SSK-H7 is designed for grinding operations, and performs exceptionally well for grinding carbide. The high content of cobalt inhibitors prevent cobalt leaching and the “blue-ing” of the coolant.

Features

- ▷ Fully synthetic
- ▷ Boron and amine free
- ▷ Loaded with cobalt inhibitors to prevent leaching

Benefits

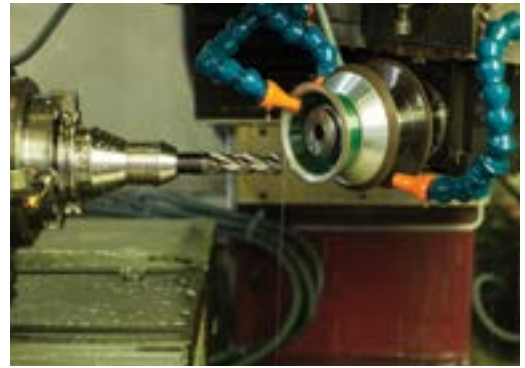
- ▷ Clear grinding solution
- ▷ Exceptional grinding performance
- ▷ No sticky residues
- ▷ No accumulation of cobalt when grinding carbide

Name	Product Number	Size
COOLCUT™ SYN SSK-H7	58-A 757	20 L
COOLCUT™ SYN SSK-H7	58-A 758	200 L

Suitable for water hardness [PPM]:

0-30	40-100	110-180	190-360	370-720	730-1080
●	●	●	●	●	●

● Preferred ● Qualified



Processes

- Surface and cylindrical grinding

Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Carbide



NEAT CUTTING OILS

When your application demands higher lubricating action than cooling capacity, non-water miscible, neat cutting oils are effective alternatives to water-mixed lubricants. For any specific application, achieving optimal performance with these cutting oils depends on their viscosity as well as the content and effectiveness of their active additives.

The Walter COOLCUT™ NEO product range covers the entire bandwidth of viscosities, starting with low viscosity finish oils at approximately 3 mm²/s (40 °C/104 °F) to higher viscosity oils up to approximately 100 mm²/s (40 °C/104 °F) for the most difficult broaching operations. Using high-quality base oils and modern additive technologies, Walter's COOLCUT™ solutions are optimal for modern machining processes.

Features

- High cutting action for long tool life and good surfaces
- Low evaporation base oils reduce the risk of oil mist and fire hazards
- Will not irritate skin

COOLCUT™

Metal cutting lubricant

COOLCUT™ is a ready-to-use, high-performance metal cutting lubricant that stands up to pressure and heat to reduce tool wear and prevent tool breakage.

Features

- ▷ Contains extreme pressure EP additives
- ▷ Suitable for all ferrous and non-ferrous metals
- ▷ Non hazardous, biodegradable
- ▷ Free of solvents and chlorinated ingredients
- ▷ Viscosity= 42 mm²/s (40° C / 104° F)

Benefits

- ▷ Reduces friction and heat
- ▷ Extends cutting tool life
- ▷ Improves finish
- ▷ Increases productivity



Name	Product Number	Size
COOLCUT™	53-B 005	3.78 L
COOLCUT™	53-B 007	20 L
COOLCUT™	53-B 008	208 L

Processes

- Machining operations
- Drilling
- MQL systems

Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals

COOLCUT™ NEO AP

Cutting oil for machining with defined cutting edges



The COOLCUT™ NEO AP is a multifunction oil for medium-duty machining and cutting machine lubrication. COOLCUT™ NEO AP's chlorine free, chemically active, extreme pressure additives prevent buildup along the cutting edge, even on the most difficult materials such as stainless steel, nickel, and titanium alloys. These oils are suitable for severe cutting processes. They perform best with steels, stainless steels and aluminum. They may also be used in machining of copper alloys if workpieces are cleaned.

Features

- ▷ Formulated with low-emission base oils plus effective extreme-pressure additives
- ▷ Adequate viscosity per process requirements
- ▷ Low-emission base oils
- ▷ Zinc-free, chlorine-free

Benefits

- ▷ Optimal price-to-performance ratio
- ▷ Good cutting performance, long tool life
- ▷ Low fog and evaporation loss
- ▷ Low drag out
- ▷ Easy removal with aqueous or hydrocarbon cleaners

Name	Product Number	Size
COOLCUT™ NEO AP	58-B 305	3.78 L
COOLCUT™ NEO AP	58-B 307	20 L
COOLCUT™ NEO AP	58-B 308	200 L



Processes

- Turning
- Milling
- Gear hobbing
- Drilling
- Deep drilling
- Threading tapping
- Broaching

Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

COOLCUT™ NEO 3724 N

High performance cutting oil with EP-additives for severe cutting operations



COOLCUT™ NEO 3724 N is a very high-performance cutting oil made from low emission base oils and effective EP-additives for severe cutting operations. Universally applicable for turning, milling, broaching, deep drilling, threading and more, this fluid is designed for use specifically on high tensile materials like high alloyed steels, Nickel- and Titanium-alloyed steels and stainless steels.

Features

- ▷ Chlorine-free and Zinc-free
- ▷ Low emission base oils
- ▷ Built with EP-additives
- ▷ Kinematic viscosity= 16 mm²/s (40° C)

Benefits

- ▷ Highest performance for severe cutting applications
- ▷ Designed specially for stainless steel and high tensile alloys
- ▷ Low drag out, low fog, and low evaporation loss
- ▷ Easy to remove with aqueous or hydrocarbon cleaners

ORDERING INFORMATION

Name	Product Number	Size
COOLCUT™ NEO 3724 N	58-B 377	20 L
COOLCUT™ NEO 3724 N	58-B 378	200 L



Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching, slotting

Materials

- Steels
- Cast iron
- Stainless steel
- Titanium

COOLCUT™ SYN NEO HP

Grinding and honing oil



The COOLCUT™ SYN NEO HP is a polyalphaolefin-based high-performance grinding oil. It is primarily for carbide tool grinding. These specially formulated grinding and honing oils allow maximum machining volumes without burning and perform precisely with exceptional grinding results.

Features

- ▷ Based on polyalphaolefins (PAO)
- ▷ Effective wetting agents
- ▷ Zinc-free, chlorine-free
- ▷ Kinematic viscosity= 6 mm²/s (40°C)

Benefits

- ▷ Optimal air separation for reliable cooling and maintaining the free wheel's porosity
- ▷ High grinding performance
- ▷ Minimal evaporation loss
- ▷ Extremely low drag out

Name	Product Number	Size
COOLCUT™ SYN NEO HP	58-B 507	20 L
COOLCUT™ SYN NEO HP	58-B 508	200 L



Processes

- Turning
- Milling
- Centerless grinding
- Profile grinding

Materials

- Steels
- Stainless steel
- Yellow metals
- Titanium
- Carbide

MAINTENANCE

COOLCUT™ PROTEC

High-performance slideway oil



COOLCUT™ PROTEC is a high-performance slideway oil with a special mineral oil base. Effective additives safely avoid stick-slip and ensure optimal prevention of oxidation, corrosion, and wear. This multipurpose oil can be used to lubricate slideways of all kinds under high load (e.g., machine tools, forming presses) and it is also suitable for hydraulic and general machine lubrication.

Features

- ▷ Ash-free
- ▷ Reduced draining off vertical surfaces
- ▷ Minimal friction
- ▷ Compatible with all COOLCUT coolants
- ▷ Kinematic viscosity= 68 mm²/s (40°C)

Benefits

- ▷ Exact and safe positioning of tool and workpiece even under the highest loads, thanks to safe avoiding of stick-slip
- ▷ Minimization of friction saves energy and smooths movement
- ▷ Effective prevention of corrosion and wear
- ▷ Good compatibility with coolants

Name	Product Number	Size
COOLCUT™ PROTEC	58-C 007	20 L
COOLCUT™ PROTEC	58-C 008	200 L



ACCESSORIES

COOLCUT™ CUTTING FLUIDS PROPORTIONING SYSTEM

Mixing device for water miscible coolants

Product Number: 53-L 165

The Walter COOLCUT™ proportioning system for water miscible coolants is an easy way to dilute concentrated coolant with water, to achieve the desired usage concentration. It attaches easily to Walter drums, and its simple dial guides the flow of concentrate into the solution. By attaching the water hose to your water supply, combined with the Venturi effect, out of the dispensing hose comes the diluted emulsion.

NOTE: It is recommended to always confirm the final concentration with a refractometer.



SB 30 SYSTEM BOOSTER

Preventive treatment for reduced downtime

Keep your coolant systems in peak working order with this bactericide for metalworking fluids.

Name	Product Number	Size
SB 30 SYSTEM BOOSTER	53-C 011	950 ml

Applications

- ▷ Maintaining biocide action
- ▷ Maintaining efficiency and cleanliness

Features and benefits

- ▷ Eliminates bacteria, fungus and yeast
- ▷ Excellent corrosion protection
- ▷ Helps to maintain pH levels
- ▷ Reduces downtime and disposal costs

COOLCUT™ SYSTEM CLEANER

System cleaner and decontaminator for CNC machine tools

The COOLCUT™ System Cleaner is the ideal product to add to your CNC machine tank before completing fluid changeovers and flushes. Biocidal agents help kill bacteria and fungus that might be growing in the machine or fluid reservoirs. Helps ensure your machine is totally clean and decontaminated before adding fresh coolant. Active ingredients help kill odour causing bacteria and ensure a clean machine before next replenishment. Add CoolCut™ System Cleaner to your machine's coolant tank 12-24 hours before draining, then operate normally.

Name	Product Number	Size
COOLCUT SYSTEM CLEANER	58-C 101	950 ml
COOLCUT SYSTEM CLEANER	58-C 105	3.78 L
COOLCUT SYSTEM CLEANER	58-C 107	20 L



Features

- ▷ Ideal for cleaning machine tools
- ▷ Use before fluid changeovers and machine tank flushes
- ▷ Use at 3% volume of entire fluid tank
- ▷ Mechanical cleaning is encouraged as well

COOLCUT™ FLUIDS AT A GLANCE

Processes

Name	Turning	Milling	Gear hobbing	Drilling	Deep drilling	Threading tapping	Broaching	Surface and cylindrical grinding	Centerless grinding	Profile grinding
COOLCUT™ 150	●	●		●		●		●		
COOLCUT™ 250	●	●		●		●		●	●	
COOLCUT™ 200BF	●	●		●		●		●	●	●
COOLCUT™ 400U	●	●		●		●		●	●	●
COOLCUT™ 500BF	●	●		●	●	●	●	●	●	
COOLCUT™ S-30	●	●	●	●	●	●	●	●	●	●
COOLCUT™ S-50	●	●		●	●		●	●		●
COOLCUT™ SYN 400 BF	●	●		●	●	●	●	●	●	●
COOLCUT™ SYN GRIND								●		
COOLCUT™ SYN SSK-H7								●		
COOLCUT™				●	●	●	●			
COOLCUT™ NEO AP	●	●	●	●	●	●	●			
COOLCUT™ NEO 3724 N	●	●		●	●	●	●			
COOLCUT™ SYN NEO HP	●	●							●	●

Materials

Name	Steels	Cast iron	Stainless steel	Aluminum	Yellow metals	Titanium	Carbide	Glass ceramics
COOLCUT™ 150	●	●			●			
COOLCUT™ 250	●	●		●	●			
COOLCUT™ 200BF	●	●	●	●	●			
COOLCUT™ 400U	●	●	●	●	●			
COOLCUT™ 500BF	●	●	●		●			
COOLCUT™ S-30	●		●	●	●	●		
COOLCUT™ S-50	●		●	●		●	●	
COOLCUT™ SYN 400 BF	●		●	●	●	●		●
COOLCUT™ SYN GRIND	●	●	●	●	●	●		●
COOLCUT™ SYN SSK-H7	●		●	●	●		●	
COOLCUT™	●		●	●	●			
COOLCUT™ NEO AP	●	●	●	●	●			
COOLCUT™ NEO 3724 N	●	●	●			●		
COOLCUT™ SYN NEO HP	●		●		●	●	●	



11

**BIO-CIRCLE[®]
PRODUCT LINE**

ECO-FRIENDLY
HIGH PERFORMANCE
CLEANING, DEGREASING
AND LUBRICATING
SOLUTIONS



GAP:3T

BETTER WORKER SAFETY AND PRODUCTIVITY FROM BETTER CLEANING SOLUTIONS



Walter Surface Technologies' Bio-Circle® product line offers high-performance cleaning, degreasing and lubricating solutions that are eco-friendly and improve worker health and safety. Our bio-remediating and bio-renewable liquids replace hazardous solvents and reduce the costs of protecting workers from exposure to toxic chemicals.

Bio-Circle® products create a safer and healthier work environment by using nonflammable, biodegradable, VOC-reduced and VOC-free formulas. Our nature-powered products come in a wide range of sizes and formats to suit your needs. From small, no-drip, continuous spray mist bottles to bulk barrels or totes, Walter's got you covered.

Because our focus is maintenance, repair and overhaul (MRO) businesses, as well as industrial manufacturing processes, you can be confident we understand your needs. Walter representatives will analyze your contaminants and cleaning processes and recommend ways to improve productivity. We'll provide a detailed cost-analysis report to help you make informed decisions.

Our industry-leading formulas satisfy ultra-specific, high-volume surface treatment and cleaning needs, making the Bio-Circle® family of products the clear choice for manufacturing applications of all kinds.

No matter how stringent your cleaning requirements, we can provide the perfect custom solution—to improve working conditions, reduce waste, protect the environment and maximize productivity. Refer to our selection chart on page 192 for quick tips on choosing the right cleaner to get the job done.

CLEANING BASICS

Before exploring all that Walter's Bio-Circle® product line has to offer, here are some quick and easy tips that will help you choose the right cleaner to get the job done.

Cleaning products are divided into water-based cleaners and solvents. What differentiates water-based cleaners (and the way they remove contaminants) is their pH; they can be acidic, neutral or alkaline. Once you know the required pH for your application, you can easily choose the best cleaner to remove the given contaminant quickly and easily.

Acidic cleaners are used to remove inorganic contaminants such as rust, limescale and mineral deposits from metallic surfaces.

Neutral cleaners are used whenever the use of acidic or alkaline cleaners is a concern, or if the items to be cleaned are delicate.

Alkaline cleaners are used to remove organic contaminants such as grease, oil and protein residues.

	Cleaner type	Products	Comparatives
0	Acidic		
	Oxidation Rust Mineral deposits	E-NOX CLEAN POWER CLEANER 100	Battery acid Gastric acid Vinegar Cola Coffee Beer, wine Saliva
		BIO-RUST	
5	Neutral		
	Oil, grease, rust	BIO-CIRCLE L BIO-CIRCLE ULTRA BIO-CIRCLE AERO CB 100 ALU	Seawater Baking soda Drinking water
10	Alkaline		
	Oil, proteins, grease, wax, resin	CB 100 E-NOX SHINE, UNO S, UNO S F, FT 100, FT 200, GOLD MATRIX READY ALUSTAR 200 STAR 200 ALUSTAR 300	Liquid ammonia Soapy water
14			

The Cleaning Matrix

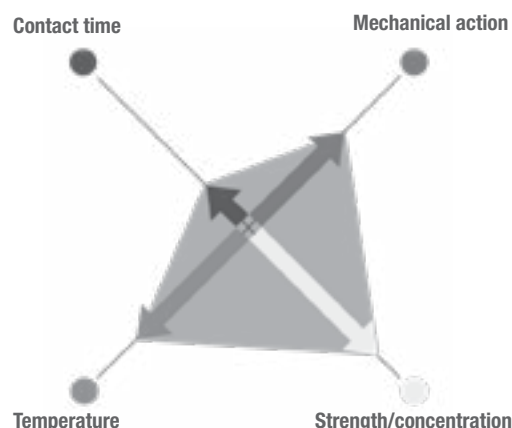
When it comes to cleaning and cleaning efficiency, each product's cleaning performance can be improved by four key elements:

- Contact time
- Mechanical action
- Temperature
- Strength/concentration

If any of these four elements are increased, the performance of your given product will be improved.

For example:

Using a high pressure washer (mechanical) and hot tap water (temperature) mixed with a cleaner in its strongest concentration (power) for 1 minute (time) will result in a given cleaner performance. By increasing the time or the temperature at which you use the product, you will increase the performance of the product.



CLEANING AND DEGREASING SELECTION CHART

TYPE OF CLEANERS		ALKALINE / NEUTRAL							
Contaminant		<i>Organic: grease, oil, corrosion protection, lubricants, smoke, finger prints, dust, carbon, graphite, soot, etc.</i>							
Cleaning process		Spray and wipe	Ultrasonic bath	Floor washing machine and general maintenance	Pressure washer	Hot parts washer	Automated parts washer	Dip tank	Manual parts washer
Parent material	Steel	GOLD MATRIX READY UNO S F UNO S FT 100 FT 200	CB 100 STAR 200	GOLD MATRIX READY UNO S F	UNO S F	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100	Bio-Circle L Bio-Circle Ultra CB 100
	Stainless steel	GOLD MATRIX READY UNO S F UNO S FT 100 FT 200 E-Nox Shine	CB 100 STAR 200	GOLD MATRIX READY UNO S F	UNO S F	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100	
	Aluminum	FT 100 FT 200 E-Nox Shine	CB 100 ALU ALUSTAR 200 ALUSTAR 300			ALUSTAR 200 ALUSTAR 300	ALUSTAR 200 ALUSTAR 300	CB 100 ALU	Bio-Circle Aero CB 100 ALU
	Copper / Brass	FT 100 FT 200	CB 100 ALU			ALUSTAR 200 ALUSTAR 300	GOLD MATRIX READY ALUSTAR 200 ALUSTAR 300	CB 100 ALU	
	Glass	GOLD MATRIX READY UNO S F UNO S FT 100 FT 200	CB 100	GOLD MATRIX READY UNO S F	UNO S F	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100	—
	Plastic	GOLD MATRIX READY UNO S F UNO S FT 100 FT 200	CB 100	GOLD MATRIX READY UNO S F	UNO S F	STAR 200 ALUSTAR 200 ALUSTAR 300	STAR 200 ALUSTAR 200 ALUSTAR 300	CB 100	—

Note: It is very important to know the next step after cleaning. For instance, if painting is required after the cleaning operation, a surface preparation cleaner may be recommended.

Inorganic contaminant: Mineral-based compounds such as rust, limescale, etc.

Organic contaminants: Carbon-based compounds such as oil, grease, etc.

Other contaminants: Can be a combination of organic and inorganic contaminants

Neutralization of acidic cleaners: Proper neutralization with an alkaline cleaner is always required to deactivate the acid and prevent damages to the parent material

Steps to proper neutralization:

1. Wipe off the excess of acid
2. Apply an alkaline cleaner
3. Wipe off the surface with a clean rag (rinse and dry when necessary)

ACIDIC					ULTRA-POWERFUL NATURAL CLEANER AND DEGREASER		
<i>Inorganic:</i> rust, corrosion, limescale, calamine, heat tint, etc.					<i>Other:</i> paint, glue, adhesive, ink, wax, tar, etc.		
Spray and wipe	Ultrasonic bath	Hot parts washer	Automated parts washer	Dip tank	Spray and wipe	Ultrasonic bath	Dip tank
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Bio-Rust and Power Cleaner 100	ALL SEASONS PRO CLEAN SC 400 SC 400 FOAM	CB 100	ALL SEASONS PRO CLEAN CB 100
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	ALL SEASONS PRO CLEAN SC 400 SC 400 FOAM	CB 100	ALL SEASONS PRO CLEAN CB 100
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	ALL SEASONS PRO CLEAN SC 400 SC 400 FOAM	CB 100 ALU CB 100 ALU	ALL SEASONS PRO CLEAN CB 100 ALU
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	ALL SEASONS PRO CLEAN SC 400 SC 400 FOAM	CB 100 ALU	ALL SEASONS PRO CLEAN CB 100 ALU
E-Nox Clean	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	Power Cleaner 100	PRO CLEAN SC 400	CB 100	PRO CLEAN CB 100
—	—	—	—	—	—	CB 100	CB 100



CLEANER CHARACTERISTICS

	Fast evaporating	Flammability	pH level	Residue	Short term protection	Long term protection	Rinsable	Dilutable	Biodegradable
BIO-CIRCLE L BIO-CIRCLE ULTRA BIO-CIRCLE AERO	No	None	Neutral	Yes	Yes	No	Yes	No	Yes
CB 100	No	None	Slightly alkaline	Yes	Yes	No	Yes	No	Yes
CB 100 ALU	No	None	Slightly alkaline	Yes	Yes	No	Yes	No	Yes
UNO S	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 40:1)	Yes
UNO S F	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 40:1)	Yes
GOLD MATRIX READY	No	None	Alkaline	Yes	No	No	Yes	Yes (up to 1:4)	Yes
STAR 200	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 1:200)	Yes
ALUSTAR 200	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 1:200)	Yes
ALUSTAR 300	No	None	Alkaline	Yes	Yes	No	Yes	Yes (up to 1:200)	Yes
E-NOX CLEAN	No	None	Acidic	Yes	No	No	Yes	Yes (up to 40:1)	Yes
E-NOX SHINE	No	None	Alkaline	Yes	Yes	No	Yes	No	Yes
BIO-RUST	No	None	Slightly acidic	Yes	Yes	No	Yes	No	Yes
POWER CLEANER 100	No	None	Acidic	Yes	No	No	Yes	Yes (up to 40:1)	Yes
PRO CLEAN	No	Low (102°C/215°F)	---	Yes	---	---	No	No	Yes
ALL SEASON	No	Mod. (66°C/150.8°F)	---	Yes	No	No	No	No	No
SC 400	No	Mod. (45°C/113°F)	---	Yes	---	---	No	No	Yes
SC 400 FOAM	No	High (-60°C/-76°F)	---	Yes	No	No	No	No	No
OMNI	No	Low (125°C/257°F)	---	Yes	Yes	Yes	No	No	No
FT 100	Yes (after wiping)	Mod.(43°C/104°F)	Alkaline	No	No	No	Yes	No	Yes
FT 200	Yes (after wiping)	Mod.(40°C/104°F)	Slightly alkaline	No	No	No	Yes	No	Yes
AF-PL	Yes	High (-24°C/-11°F)	---	No	No	No	No	No	No
SLAP SHOT	Yes	High (-24°C/-11°F)	---	No	No	No	No	No	No
CONTACT CLEAN	Yes	None	---	No	No	No	No	No	No

Legend: ● Water-based ● Natural solvent-based ● Oil-based ● Solvent-based



Accepted for use in food plants

Products with this logo presented are accepted for use in food plants within Canadian borders.



Volatile Organic Compounds Free

Consumers today are far more knowledgeable regarding products containing potentially toxic levels of volatile organic compounds, commonly known as VOCs. Paints, stains, and varnishes have long contributed considerably to the prolific release of VOCs, sometimes known as off-gassing. This explains the growing popularity of low-VOC and VOC-free products. Products where you see the VOC-free logo guarantee that they contain no volatile organic compounds.

CLEANER APPROVALS

	TSCA 8b listed	DSL/NDSL compliant ²	NSF approved ¹	Accepted for use in food plants in Canada
BIO-CIRCLE L BIO-CIRCLE ULTRA BIO-CIRCLE AERO	Yes	Yes	Yes	Yes
CB 100	Yes	Yes	Yes	Yes
CB 100 ALU	Yes	Yes	No	No
UNO S	Yes	Yes	Yes	Yes
UNO S F	Yes	Yes	Yes	Yes
GOLD MATRIX READY	Yes	Yes	No	No
STAR 200	Yes	Yes	No	Yes
ALUSTAR 200	Yes	Yes	Yes	Yes
ALUSTAR 300	Yes	Yes	Yes	Yes
E-NOX CLEAN	Yes	Yes	Yes	Yes
E-NOX SHINE	Yes	Yes	Yes	Yes
BIO-RUST	Yes	Yes	Yes	No
POWER CLEANER 100	Yes	Yes	Yes	Yes
PRO CLEAN	Yes	Yes	Yes	Yes
ALL SEASON	Yes	Yes	No	No
SC 400	Yes	Yes	No	No
SC 400 FOAM	Yes	Yes	Yes	No
OMNI	Yes	Yes	Yes	Yes
FT 100	Yes	Yes	Yes	No
FT 200	Yes	Yes	Yes	Yes
AF-PL	Yes	Yes	No	No
SLAP SHOT	Yes	Yes	Yes	Yes
CONTACT CLEAN	Yes	Yes	Yes	No



¹ National Sanitation Foundation

² Domestic Substances List



Nonfood Compounds Program

The global food industry relies upon nonfood compounds to facilitate the efficient processing, handling and storage of food throughout the supply chain. Nonfood compounds include such substances as cleaners, sanitizers, boiler compounds and lubricants. NSF International Nonfood Compounds Registration Program provides beneficial product information to three important stakeholder groups.



Low Energy Surfactant (LES) technology

These unique surfactants can clean and degrease effectively at lower temperatures, thus generating substantial energy savings. Lower the temperature of your automated industrial parts washers today! NOTE: Dilution up to 1:200

CLEANER
SELECTOR APP

Choose the right cleaner every time!

By answering three simple questions, the Bio-Circle Cleaner Selector app leads you to the perfect cleaner/degreaser that will get the job done quickly and easily.

1. Choose the contaminant you want to clean
2. Choose the surface material
3. Choose your cleaning method

This app will recommend the ideal cleaner/degreaser for your requirements and provide you with valuable information, features and benefits, applications, tips as well as access to SDS/TDS, videos and free samples!



LIQUIDS AVAILABLE SIZES

Our Bio-Circle® nature-powered cleaning and degreasing products come in a wide range of sizes and formats to suit your needs. From small, no-drip, continuous spray mist bottles to bulk barrels or totes, Walter's got you covered.

Our industry-leading Bio-Circle® formulas and delivery systems can satisfy ultra-specific, high-volume surface treatment and cleaning needs, making the Bio-Circle® family of products the clear choice for manufacturing applications of all kinds. No matter how stringent your cleaning requirements, Walter's team of Bio-Circle® experts will provide you with the perfect custom solution—one that improves working conditions, reduces waste, protects the environment, and maximizes productivity.



BIO-RENEWABLE AND BIO-REMEDICATING SOLUTIONS



BIO-RENEWABLE SOLUTIONS

Heavy-duty cleaning for removing ink, adhesive, synthetic oils, heavy grease and other tough contaminants. Working exceptionally well at room temperature, these solutions only need periodical oil skimming.

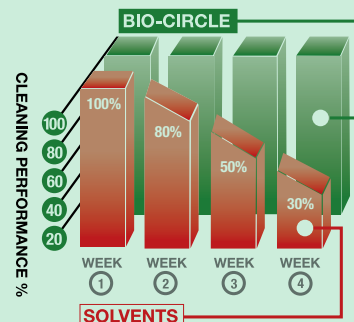
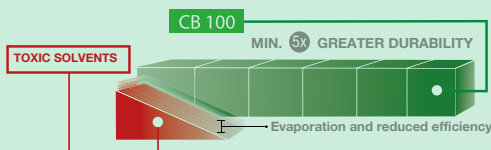
Bio-renewable cleaning liquids are powered by Nature Boost™, an exclusive and powerful ingredient derived from plant-based extracts. Bio-renewable solutions keep their full cleaning power over a longer period of time than toxic solvents because the oil separates and floats to the surface, allowing you to skim oils from the top of your tank.

BIO-REMEDICATING SOLUTIONS

These self-regenerating solutions contain micro-organisms that break down oils and greases into CO₂ and H₂O, with almost ZERO waste products to dispose of.

Our bio-remediating family of cleaners contain live micro-organisms that digest oils and other organic contaminants, turning them into water and carbon dioxide. Bio-remediating liquids maintain their cleaning power over time, an economical and environmental advantage over toxic solvents and weaker water based systems.

Durability comparison





BIO-RENEWABLE SOLUTIONS

Heavy-duty cleaning for removing ink, adhesive, synthetic oils, heavy grease and other tough contaminants. These solutions work exceptionally well at room temperature and only require periodical oil skimming.

CB 100™

Natural industrial-strength cleaner and degreaser
CB 100™ is next-generation cleaning technology. Powered by our exclusive Nature Boost™ formula, CB 100™ is unsurpassed in its ability to remove the most stubborn industrial contaminants.

NSF category C1, registration #148555

Applications

- ▷ *Cleaning asphalt from paving equipment*
- ▷ *Removing tough greases from gears and bearings*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	500 ml	16.9 oz.	53-G 163	L-155	12
Liquid	3.78 L	1 gal	53-G 165	L-155	1
Liquid	20 L	5.2 gal	53-G 167	L-155	1
Liquid	208 L	55 gal	53-G 168	L-155	1
Liquid	1000 L	264 gal	53-G 169	L-155	1



Benefits

- ▷ *Outlasts solvent cleaners by 3-5x*
- ▷ *Shortens cleaning time*
- ▷ *Creates a safer, more pleasant work environment*
- ▷ *Reduces workplace liability*

Features

- ▷ *Ready-to-use, non-caustic, non-hazardous, phosphate-free, and butyl-free*
- ▷ *Cuts through contaminants most solvents can't touch*
- ▷ *Great cleaning power at room temperature*
- ▷ *VOC-free*

CB 100 ALU™

Natural industrial-strength cleaner and degreaser for non-ferrous alloys

CB 100™ ALU is a powerful cleaner/degreaser powered by our unique Nature Boost™ technology. Similar to the CB 100™ cleaning solution, yet specially designed for cleaning aluminum and sensitive alloys. Replaces hazardous solvents and petroleum-based products for improved health and safety in the workplace.

NEW AND IMPROVED FORMULA!
25% LESS RESIDUE

Applications

- ▷ *Removing coolants and cutting oils from parts in machine shops*
- ▷ *Degreasing engine components during repair and rebuild operations*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	500 ml	16.9 fl.oz.	53-G 123	L-158	12
Liquid	3.78 L	1 gal	53-G 125	L-158	1
Liquid	20 L	5.2 gal	53-G 127	L-158	1
Liquid	208 L	55 gal	53-G 128	L-158	1
Liquid	1000 L	264 gal	53-G 129	L-158	1



Benefits

- ▷ *Outlasts solvent cleaners by 3-5x*
- ▷ *Shortens cleaning time*
- ▷ *Eliminates material compatibility issues*
- ▷ *Reduces workplace liability*

Features

- ▷ *Ready-to-use, non-caustic, non-hazardous, phosphate-free, and butyl-free*
- ▷ *Great cleaning power at room temperature*
- ▷ *VOC free*
- ▷ *Formulated with special corrosion protection*

BIO-REMEDIATING SOLUTIONS

These self-regenerating solutions contain micro-organisms that break down oils and greases into CO₂ and H₂O, with almost ZERO waste products to dispose of.

BIO-CIRCLE® L

Bio-remediating parts cleaner and degreaser

Bio-Circle® L is a top-selling Bio-remediating parts cleaner and degreaser used in thousands of operations worldwide. Maintains its cleaning power over time, offering an economical and environmental advantage over toxic solvents and weaker water-based systems.

NSF category C1, registration #141285

Applications

- ▷ *Parts cleaning*
- ▷ *Facility maintenance*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	20 L	5.2 gal	55-A 007	L-78	1
Liquid	208 L	55 gal	55-A 008	L-78	1
Liquid	1000 L	264 gal	55-A 009	L-78	1



Benefits

- ▷ *Maximum strength for life of product*
- ▷ *Reduces waste and disposal costs*
- ▷ *Creates a safer, more pleasant work environment*
- ▷ *No respiration equipment required*

Features

- ▷ *Continuously self-renewing with minimal waste streams*
- ▷ *Non-hazardous, nonflammable, VOC-free*
- ▷ *Pleasant scent—no harsh fumes or vapors*
- ▷ *Safe on skin*

BIO-CIRCLE® ULTRA



Extra powerful bio-remediating parts cleaner and degreaser

Bio-Circle® Ultra is a bio-remediating parts cleaner and degreaser that easily cuts through some of the toughest industrial contaminants including crude oil, bitumen, and heavy grease. Maintains its cleaning power over time, offering an economical and environmental advantage over toxic solvents and weaker water-based systems.

NSF category C1, registration #145549

Applications

- ▷ *MRO and production*
- ▷ *Rebuild and repair operations*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	20 L	5.2 gal	55-A 107	L-148	1
Liquid	208 L	55 gal	55-A 108	L-148	1
Liquid	1000 L	264 gal	55-A 109	L-148	1



Benefits

- ▷ *Maximum strength for life of product*
- ▷ *Reduces waste and disposal costs*
- ▷ *Creates a safer, more pleasant work environment*
- ▷ *No respiration equipment required*

Features

- ▷ *Continuously self-renewing with minimal waste streams*
- ▷ *Non-hazardous, nonflammable, VOC-free*
- ▷ *Powered by Nature Boost™, an exclusive, highly effective natural ingredient*
- ▷ *Pleasant scent—no harsh fumes or vapors*

BIO-CIRCLE® AERO

Bio-remediating parts cleaner and degreaser for aircraft use

Bio-Circle® Aero liquid is a bio-remediating parts cleaner and degreaser designed to meet the aeronautical industry's stringent requirements. Safe for use with aluminum and other sensitive alloys.

Applications

- ▷ Airport maintenance
- ▷ Aerospace parts manufacturing



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	20 L	5.2 gal	55-A 207	L-161	1
Liquid	208 L	55 gal	55-A 208	L-161	1
Liquid	1000 L	264 gal	55-A 209	L-161	1

Benefits

- ▷ Maximum strength for life of product
- ▷ Eliminates material compatibility issues
- ▷ Reduces waste and disposal costs
- ▷ Creates a safer, more pleasant work environment

Features

- ▷ Continuously self-renewing with minimal waste streams
- ▷ Conforms to: Boeing D6-17487 Revision R Douglas Aircraft Company CSD No.1 (Type I) AMS 1526C
- ▷ Non-hazardous, nonflammable, VOC-free, pH neutral
- ▷ Safe for all metals and most surfaces



PARTS WASHER FEATURES

If you're looking to create a safer workplace without compromising performance, our Bio-Circle® MAXI industrial parts washer is built for you. This cutting-edge cleaning and degreasing system is sturdy, reliable, low maintenance, and specially designed for water-based cleaning, allowing you to quickly power through the most demanding cleaning jobs. When paired with Bio-Circle® or CB 100™ solutions, our parts washer will transform your cleaning operations, making them easy, eco-friendly, efficient and safe.

- 1 Electronically controlled PCB board with onboard diagnostics
- 2 LED flashing push button: *Flashing LED push button displays machine status*
- 3 Air pump: *Provides air circulation and convection*
- 4 In-line filter housing: *Ensures filtration of heavy metal pieces and contaminants*
- 5 CSA certified: *Conforms to industry standards for safety compliance materials and electronics*
- 6 Fluid pump: *Electronically controlled fluid pump for liquid circulation*
- 7 Air diffuser: *Distributes air evenly for maximum circulation*
- 8 Probe: *Rugged stainless probe construction houses temperature and thermal shut-off safety sensors*
- 9 Heater: *Liquid heating ensures optimal cleaning performance*
- 10 Under-sink filter bag : *Ensures filtration of heavy metal pieces and contaminants*
- 11 Gasket: *Prevents unwanted liquid evaporation*
- 12 Sink filter assembly:
 - Magnet: *Traps metallic particles*
 - Flapper: *Prevents unwanted liquid evaporation*
 - In-sink filters: *Filter meshes (2 sizes) trap heavy metal pieces and contaminants*
- 13 Two-way valve:
 - Flexible articulated hose: *Provides steady stream of liquid for cleaning*
 - Multijet flow-through brush: *Provides steady stream of liquid for cleaning, plus integration brush for scrubbing*



BIO-CIRCLE® MAXI

Order No.	Dimensions	Max tank capacity	Load capacity
55-D 600	97 x 69 x 110 (38" x 27" x 43")	140 L (37 gal)	220 Kg (500 lbs)

ACCESSORIES	Order No.
Sink lid	55-B 047
Stainless steel sink insert	55-B 048
Casters	55-B 049

BIO-RENEWABLE START-UP PACKAGES

Each start-up package includes the Bio-Circle® MAXI industrial parts washer and ultra-powerful natural cleaning and degreasing solutions.



INCLUDED: 6 PAILS (20L / 5.2 GAL.)

Name	Order No.
CB 100	55-D 615CBP
CB 100 ALU	55-D 615CBAP

INCLUDED: 1 DRUM (208L / 55 GAL.)

Name	Order No.
CB 100	55-D 615CBD
CB 100 ALU	55-D 615CBAD

BIO-REMEDICATING START-UP PACKAGES

Each start-up package includes the Bio-Circle® MAXI industrial parts washer and safe and efficient BIO-REMEDICATING cleaning solutions. These Bio-Circle® liquids maintain their cleaning power over time, a clear advantage over solvents.



INCLUDED: 6 PAILS (20L / 5.2 GAL.)

Name	Order No.
Bio-Circle® L	55-D 600BCLP
Bio-Circle® ULTRA	55-D 600BCUP
Bio-Circle® Aero	55-D 600BCAP

INCLUDED: 1 DRUM (208L / 55 GAL.)

Name	Order No.
Bio-Circle® L	55-D 600BCLD
Bio-Circle® ULTRA	55-D 600BCUD
Bio-Circle® Aero	55-D 600BCAD

WALTER AND GRAYMILLS

PARTNERS IN SUPERIOR PARTS CLEANING SOLUTIONS

Graymills parts washer systems perfectly complement Walter's cleaning and degreasing solutions.

We've got you covered! Combine Bio-Circle®'s array of parts washing liquids with Graymills' range of ultrasonic, automated or small parts washers for great results.



GRAYMILLS

Graymills order no. PH922

Easy to use, it offers quick on-site cleaning of shop parts. This modular washer features an integrated sink and holding tank for efficient cleaning.



BIOMATIC

Graymills order no. BIO922

Uses a bioremediation process involving hydrocarbon converting microbes to reduce solid waste and eliminate fluid disposal.



THE PERFECT MATCH!

Get great results when paired with Walter's CB 100™, Bio-Circle® or STAR™ parts washing liquids.

INDUSTRIAL CLEANING AND DEGREASING

Bio-Circle's UNO™ family of cleaning and degreasing products are ideal for various applications conducted at room temperature. Save time and money with UNO™ and its Low Energy Surfactant (LES) technology which allows the product to achieve optimal results at ambient temperature.

UNO™ S

Concentrated cleaner and degreaser

UNO™ S is a highly concentrated, powerful foaming cleaner/degreaser that lifts dirt and grease fast. Ideal for manual spraying applications. Excellent substitute for solvent-base cleaners.

NSF category A1, registration #142608

Applications

- ▷ *Cleaning stainless steel equipment in food industry*
- ▷ *Removal of cutting fluids, stamping oils and grease*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid, trigger sprayer	500 ml	16.9 oz.	53-G 033	L-143	12
Liquid	3.78 L	1 gal	53-G 035	L-143	1
Liquid	20 L	5.2 gal	53-G 037	L-143	1
Liquid	208 L	55 gal	53-G 038	L-143	1
Liquid	1000 L	264 gal	53-G 039	L-143	1



Benefits

- ▷ *Versatile — can be used for a variety of applications*
- ▷ *Less chemical required per cleaning*
- ▷ *Creates a safer, healthier work environment*

Features

- ▷ *Nonflammable, phosphate-free, VOC-free*
- ▷ *Foaming action for increased contact time*
- ▷ *Low Energy Surfactant Technology cleans at lower temperatures*
- ▷ *Dilutable up to 1:40*

UNO™ SF

Concentrated foamless cleaner and degreaser

UNO™ SF is a highly concentrated, powerful foamless cleaner/degreaser that can cut through dirt and grease throughout your facility. Uses range from floor washing and pressure washing of large parts to automatic parts washers. Excellent substitute for solvent-base cleaners. **NSF category A1, registration #142609**

Applications

- ▷ *Cleaning of stainless steel equipment*
- ▷ *Removal of cutting fluids, stamping oils and grease*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Trigger sprayer	500 ml	16.9 fl.oz.	53-G 023	L-48	12
Liquid	3.78 L	1 gal	53-G 015	L-48	1
Liquid	20 L	5.2 gal	53-G 017	L-48	1
Liquid	208 L	55 gal	53-G 018	L-48	1
Liquid	1000 L	264,6 gal	53-G 019	L-48	1



Benefits

- ▷ *Versatile—can be used for a variety of applications*
- ▷ *Less chemical required per cleaning*
- ▷ *Creates a safer, healthier work environment*

Features

- ▷ *Nonflammable, VOC-free*
- ▷ *Low Energy Surfactant Technology cleans at lower temperatures*
- ▷ *Foamless for high-pressure or agitation cleaning systems*
- ▷ *Dilutable up to 1:40*

GOLD MATRIX READY™ **NEW**

All-purpose cleaner and degreaser

GOLD MATRIX READY™ is a foamless formulation which makes it ideal for applications where foaming could interfere in the cleaning process. Ideal for trigger sprayer applications, hot parts washers, ultrasonic baths, dip tanks, floor cleaners and pressure washers. Removes oils, greases, organic contaminants, pigment coating, markers, smoke, dust, carbon deposits, etc.



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	500 ml	16.9 fl.oz.	53-G 073	L-68	12
Liquid	3.78 L	1 gal.	53-G 076	L-68	1
Liquid	20 L	5.2 gal.	53-G 077	L-68	1
Liquid	208 L	55 gal.	53-G 078	L-68	1
Liquid	1000 L	264 gal.	53-G 079	L-68	1

ACCESSORIES

	Order No.
Spout for 5L pail	53-L 113
Spout for 20L pail	53-L 207
Faucet for 208L drum, 2"	53-L 209
Faucet for 208L drum, 3/4"	53-L 210
Replacement trigger sprayer, 500 ml	53-L 315

Applications

- ▷ Facility maintenance
- ▷ Cleaning of stainless steel equipment
- ▷ Removes oils, greases, organic contaminants, carbon deposits, etc.

Benefits

- ▷ High strength formula, ready to use
- ▷ Can be heated up to 90°C (194°F) for maximum cleaning
- ▷ Creates a safer, healthier work environment

Features

- ▷ Foamless for high pressure or agitation cleaning
- ▷ Non-hazardous, non-flammable, VOC-free
- ▷ Built-in corrosion inhibitors to prevent flash rusting

STAR™ LINE OF CLEANERS AND DEGREASERS FOR AUTOMATED PARTS WASHERS

An excellent substitute to solvent-based cleaners! Save on energy and costs with Low Energy Surfactant (LES) Technology! These unique surfactants can clean and degrease effectively at lower temperatures, thus generating substantial energy savings. Lower the temperature of your automated industrial parts washers today!

STAR™ 200

Concentrated alkaline cleaner/degreaser for parts washing systems

STAR™ 200 is a foamless demulsifying alkaline cleaner/degreaser specially formulated for cleaning iron, cast iron, steel, and stainless steel. Excellent at dissolving thick oil, grease, lubricants, and grime.

Applications

- ▷ Hot parts washers, cleaning tunnels, ultrasonic baths, turntable washers, spray cabinets, and agitated tanks
- ▷ Maintenance, repair, and cleaning applications



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 067	L-107	1
Liquid	208 L	55 gal	53-G 068	L-107	1
Liquid	1000 L	264 gal	53-G 069	L-107	1

Benefits

- ▷ Less chemical required per cleaning
- ▷ Lasts longer
- ▷ Saves money
- ▷ Lowers energy costs

Features

- ▷ Highly concentrated - dilutable up to 1:200
- ▷ Phosphate-free, VOC-Free
- ▷ Biodegradable
- ▷ Short term built-in corrosion inhibitors

ALUSTAR™ 200

Automated parts washer cleaner and degreaser for non-ferrous alloys

Alustar™ 200 is a foamless demulsifying cleaner/degreaser that dissolves and removes thick oil, grease, lubricants, and grime from aluminum and other nonferrous alloys. Ideal for applications that are subject to strict cleaning specifications.

NSF category A8, registration #145452

Applications

- ▷ Automated and semi-automated hot parts washers, cleaning tunnels, ultrasonic baths, turntable washers, spray cabinets, and agitated tanks
- ▷ Removing cutting oils after machining



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	3.78 L	1 gal	53-G 705	L-79	1
Liquid	20 L	5.2 gal	53-G 707	L-79	1
Liquid	208 L	55 gal	53-G 708	L-79	1
Liquid	1000 L	264 gal	53-G 709	L-79	1

ALUSTAR 300™

Heavy-duty automated parts washer cleaner and degreaser for non-ferrous alloys

Alustar™ 300 is a foamless demulsifying cleaner/ degreaser that easily dissolves and removes persistent oil, grease, lubricants and grime from aluminum, steel, and stainless steel. Excellent for heavy-duty maintenance, repair, and operations cleaning applications.

NSF category A8, registration #145453

Applications

- ▷ Automated and semi-automated hot parts washers, cleaning tunnels, ultrasonic baths, turntable washers, spray cabinets, and agitated tanks
- ▷ Heavy-duty maintenance, repair, and cleaning applications



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid	20 L	5.2 gal	53-G 757	L-106	1
Liquid	208 L	55 gal	53-G 758	L-106	1
Liquid	1000 L	264 gal	53-G 759	L-106	1



Benefits

- ▷ Less chemical required per cleaning
- ▷ Lasts longer
- ▷ Saves money
- ▷ Lowers energy costs

Features

- ▷ Highly concentrated - dilutable up to 1:200
- ▷ Phosphate-free, VOC-Free
- ▷ Biodegradable
- ▷ Low Energy Surfactant Technology cleans at lower temperatures



Benefits

- ▷ Less chemical required per cleaning
- ▷ Lasts longer
- ▷ Saves money
- ▷ Lowers energy costs

Features

- ▷ Highly concentrated - dilutable up to 1:200
- ▷ Phosphate-free, VOC-Free
- ▷ Biodegradable
- ▷ Short term protection

Corrosion Inhibitor

For STAR™ and UNO™ family of aqueous cleaners
Provides additional corrosion protection when used with aqueous cleaners. Is concentrated, 100% active ingredients and is foamless.

Applications

- ▶ Use with any UNO™ and STAR™ Cleaning Solution
- ▶ Add to cleaning solution and/or rinsing water



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	950 ml	32.1 fl.oz.	53-G 001	L-56	1
Liquid	20 L	5.2 gal	53-G 927	L-56	1
Liquid	208 L	55 gal	53-G 928	L-56	1



Features

- ▶ Non-flammable. Non-hazardous
- ▶ Solvent, phosphate and butyl-free
- ▶ Protects steel parts and equipment from flash-rust

Defoamer additive

For STAR™ and UNO™ family of aqueous cleaners
Quick and permanent foam dissipation for aqueous cleaners.
Comes concentrated with a suggested dilution rate of 0.5% to 1%.



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Sprayer	950 ml	32.1 fl.oz.	53-G 002	L-57	1
Liquid	20 L	5.2 gal	53-G 937	L-57	1



Features

- ▶ Silicone-free
- ▶ Eliminates all foaming with water-based products

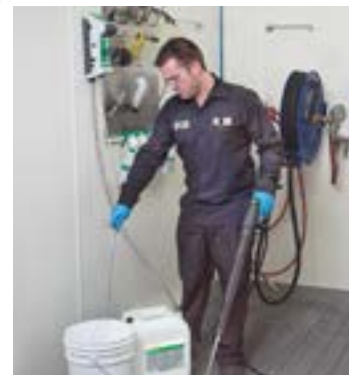
Titration Kit

For use with STAR™ and UNO™ family of products
High concentration cleaning solutions such as the STAR™ and UNO™ family can be diluted with water to alter the cleaning strength of the product. With the titration kit, you can easily determine the exact level of concentration of your solution to maintain a high level of cleaning productivity.

Applications

- ▶ For use with automated mechanical cleaning systems
- ▶ For immersion tank

Order No.	(M)SDS	Std. Pkg.
53-L 160	L-145 L-144	1



Proportioning system

Offers a complete system for dispensing BIO-CIRCLE® bulk aqueous cleaners. It will automatically dilute the solution and fill spray bottles, buckets and other containers.

Order No.	Std. Pkg.
53-L 162	1

Features

- ▶ 2 high flow (bucket feed)
- ▶ 2 low flow (bottle feed)
- ▶ Push button activated
- ▶ Metering tips from 350:1 to 3.5:1 at 3.5 GPM

STAINLESS CLEANING

E-NOX CLEAN™

High strength stainless steel cleaner

E-NOX CLEAN™ is a highly concentrated gel formulation cleaner that removes tarnish, rust, and mineral deposits and brightens surfaces. Outperforms abrasives while saving time and energy.

NSF category A3, registration #142614

Applications

- ▷ *Brightening stained and exposed finishes*
- ▷ *Cleaning of food and pharmaceutical equipment*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Gel, trigger sprayer	500 ml	16.9 fl.oz.	53-G 303	L-59	12
Liquid	3.78 L	1 gal	53-G 305	L-59	1
Liquid	20 L	5.2 gal	53-G 307	L-59	1
Liquid	208 L	55 gal	53-G 308	L-59	1



Benefits

- ▷ *Fast acting*
- ▷ *Clean, precise application minimizes dripping*
- ▷ *Improves efficiency*

Features

- ▷ *Nonflammable, VOC-free*
- ▷ *Safe for use on aluminum, chrome, and other nonferrous metals*
- ▷ *Free of nitric and hydrochloric acid*
- ▷ *Gel sticks to vertical surfaces*

E-NOX SHINE™

Stainless steel cleaner and protector

E-NOX SHINE™ is a surface cleaner designed to remove light contaminants such as dust, light oils, and fingerprints prior to shipping. Creates a thin, invisible protective film to preserve the quality of your work until it reaches its final destination.

NSF category P1, registration #131393

Applications

- ▷ *Removing oil, carbon, light dirt, and fingerprints*
- ▷ *Brightening and protecting indoor finishes*

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Trigger sprayer	500 ml	16.9 fl.oz.	53-G 403	L-102	12
Liquid	3.78 L	1 gal	53-G 405	L-102	1
Liquid	20 L	5.2 gal	53-G 407	L-102	1
Liquid	208 L	55 gal	53-G 408	L-102	1



Benefits

- ▷ *Gives finished work a polished, flawless look*

Features

- ▷ *Nonflammable, silicone-free, phosphate-free*
- ▷ *Uniform finish, no streaking*
- ▷ *Ready to use*

RUST-REMOVAL AND BRIGHTENING

BIO-RUST™

Non-caustic rust remover

BIO-RUST™ is a non-caustic that safely eliminates rust on all ferrous alloys. **NSF category A2, registration #146173**

Applications

- ▷ Removal of rust and other metallic particles
- ▷ We recommend degreasing parts before using BIO-RUST™.



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Trigger sprayer	500 ml	16.9 fl.oz.	53-G 243	L-134	12
Liquid	20 L	5.2 gal	53-G 247	L-134	1
Liquid	208 L	55 gal	53-G 248	L-134	1

ACCESSORIES

	Order No.
Chrome plated drum pump	53-L 116
Spout for 20 L square plastic pail	53-L 207
Spout for 208L plastic drum 2" NPT	53-L 209

Use with CleanBox® Dip for pre-soaking

Order no.: 55-D 010 (See details page 221)
Order no. for dolly: 55-B 083



Benefits

- ▷ Reduces scrap rate
- ▷ Requires less time and effort than abrasives
- ▷ Safe to handle and store

Features

- ▷ Removes rust without attacking surface material
- ▷ Slightly acidic pH range, non-caustic and biodegradable
- ▷ Nonflammable, phosphate-free, VOC-free
- ▷ Non-hazardous—OSHA and WHMIS compliant

POWER CLEANER 100™

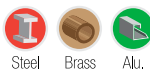
Rust and mineral remover plus brightener

POWER CLEANER 100™ is a highly concentrated cleaner/brightener that quickly breaks down rust, dissolves limescale, eliminates mineral deposits, and brightens metallic surfaces.

NSF category A3, registration #141944

Applications

- ▷ Removing rust, limescale, and mineral deposits on sheet metal, metallic structures, heating coils, pumps, heat exchanger plates, and storage tanks
- ▷ Brightening metallic surfaces



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Trigger sprayer	500 ml	16.9 fl.oz.	53-G 253	L-23	12
Liquid	3.78 L	1 gal	53-G 255	L-23	1
Liquid	20 L	5.2 gal	53-G 257	L-23	1

ACCESSORIES

	Order No.
Spout for 20 L square plastic pail	53-L 207
Empty refillable trigger sprayer for POWER CLEANER 100	53-L 309



Benefits

- ▷ Fast acting
- ▷ Easier and more efficient than manual rust removal
- ▷ No need to salvage rusted parts or equipment

Features

- ▷ Does not contain nitric, hydrofluoric or hydrochloric acid
- ▷ Fully restores dull or tarnished metal surfaces
- ▷ Can be diluted up to 1:40 with water

PAINT, INK, GLUE AND ADHESIVE CLEANING

SC 400™

High strength citrus solvent

Formulated with citrus peel extracts, SC 400™ is a heavy duty, powerful, fast-acting alternative to petroleum-based solvent cleaners. Easily removes adhesives, glues, sealants, rubber residues, tar, paint, ink, pen marks, grease, lubricants, and oils.

Applications

- ▷ *Cleaning machine parts, tools, pumps, gears*
- ▷ *Not for use on plastics, rubber, and other solvent-sensitive materials*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Trigger sprayer	500 ml	16.9 fl.oz.	53-G 513	L-68	12
Liquid	3.78 L	1 gal	53-G 516	L-68	1
Liquid	20 L	5.2 gal	53-G 517	L-68	1
Liquid	200 L	52.8 gal	53-G 518	L-68	1

ACCESSORIES

	Order No.
Industrial pump sprayer	53-L 120
Spout for 20 L round metal pail and 200L metal drum 3/4" NPT	53-L 208
Empty refillable trigger sprayer for SC 400	53-L 313
Bio-Circle Air Drying Gun	55-B 085

SC 400™ FOAM

High strength adhesive and ink remover

SC 400™ Foam is a high strength solvent with which adhesive substances even when hardened can be removed. Special additives enable a long-lasting depth effect of the solvent so that even the most difficult dried adhesive films can be cleaned.

NSF category K3, registration #156603

Applications

- ▷ *Cleaning machine parts, tools, pumps, gears*
- ▷ *Not for use on plastics, rubber, and other solvent-sensitive materials*



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	11.5 fl.oz.	53-G 512	L-171	12



Benefits

- ▷ *Cuts through contaminants quickly and effectively*
- ▷ *Slow drying formula covers larger surface areas*
- ▷ *Safer than more flammable alternatives*

Features

- ▷ *Formulated with 100% natural and renewable ingredients*
- ▷ *Low residue, slow drying*
- ▷ *High flash point 113 °F (45 °C)*



Benefits

- ▷ *Removes labels, adhesive, sealing materials, carbon residues, lacquers, greases, oils, resin, tar, lubricant and sliding means residues*
- ▷ *Suitable for metal, wood, ceramics, glass*
- ▷ *The corrosion protection agent protects the metal surface on bare metal parts*

Features

- ▷ *Special additives to enable long-lasting depth effect*
- ▷ *Colourless*

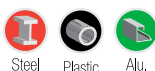
PRO CLEAN™



High strength natural solvent

Made from bio-renewable extracts, PRO CLEAN™ is a powerful, 100% concentrated solvent that removes hard-to-clean contaminants. Its Nature Boost™ formula quickly and easily removes paint, ink, adhesives, anti-corrosion waxes, resins and tar.

NSF category K3, registration number 146172



Description	Size		Order No.	(M)SDS
	Metric	US Gal		
Sprayer	500 ml	16.9 oz.	53-G 523	L-169
Liquid	3.78 L	1 gal	53-G 525	L-169
Liquid	20 L	5.2 gal	53-G 527	L-169
Liquid	208 L	55 gal	53-G 528	L-169



Benefits

- ▶ *Creates a safer, more pleasant work environment*
- ▶ *Safer to handle than toxic and volatile solvents*
- ▶ *Improves sustainability*
- ▶ *Reduces workplace liability*

Features

- ▶ *Formulated with natural and bio-renewable ingredients*
- ▶ *Test before use on rubber*
- ▶ *Non-corrosive*
- ▶ *High-strength formulation—fast acting, very effective*

ALL-SEASON™



Powerful all-weather cleaner

ALL-SEASON™ is a less toxic alternative to solvent cleaning for tough applications, even at the most extreme temperatures. Bitumen, tar and asphalt don't stand a chance even at cold temperatures. ALL-SEASON™ is the perfect alternative to solvent based and d-limonene based cleaners.

Applications

- ▶ *Can be used in spray applications for manual cleaning or pressure washing for large surface applications*
- ▶ *Provides high solvency for fast and easy removal of tough contaminants: grease, oils, tar, asphalt and bitumen*



Description	Size		Order No.	(M)SDS
	Metric	US Gal		
Sprayer	500 ml	16.9 oz.	53-G 553	L-175
Liquid	3.78 L	1 gal	53-G 555	L-175
Liquid	20 L	5.2 gal	53-G 557	L-175
Liquid	208 L	55 gal	53-G 558	L-175
Liquid	1000 L	264 gal	53-G 559	L-175

ACCESSORIES

	Order No.
Industrial pump sprayer	53-L 120
Spout for 20 L pail	53-L 207
Spout for 208 L drum	53-L 209
CleanBox® Dip Bio-Circle®	53-L 010



Benefits

- ▶ *High-strength formulation, fast acting, very effective*
- ▶ *Ready-to-use formulation, no dilution required*
- ▶ *Safe on all metals, non-corrosive*

Features

- ▶ *Formulated to clean at any temperature, from -50°C (-58°F) to over 100°C (212°F)*
- ▶ *Separates from water for easier recovery of waste*
- ▶ *VOC-reduced*

PRE-PRIMING PRE-SHIPPING

FT 100™

Stainless steel and glass surface cleaner

FT 100™ is a surfactant-free, fast-drying cleaning agent that removes light oil pollution, dust, fingerprints, felt pen, and pencil residues from lacquered surfaces, plastics, glass, mirrors, metals, and all highly polished glossy surfaces.

NSF category A1, registration #154672 (liquids), #156602 (aerosol)

Applications

- ▷ Final step before any treatment in process (painting, varnish, sealing, gluing, coating, etc.)
- ▷ Final step before showcasing a final product

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	400 ml	13.5 oz.	53-G 182	L-172	12
Sprayer	500 ml	16.9 oz.	53-G 183	L-167	12
Liquid	20 L	5.2 gal	53-G 187	L-167	1
Liquid	208 L	55 gal	53-G 188	L-167	1



FT 200™

Fast drying surface preparation cleaner

FT 200™ prepares metallic surfaces for painting, priming, coating, bonding, corrosion protection, metalizing, welding, and a variety of other processes. Evaporates after it's wiped off surfaces. Lasts 7x longer than traditional fast-evaporating surface preparation solvents such as acetone.

NSF category A1, registration #142612

Applications

- ▷ Preparing metallic surfaces prior to coating
- ▷ Removal of light contaminants such as processing oils, anti-corrosion oils, and light waxes

Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Liquid, trigger sprayer	500 ml	16.9 oz.	53-G 173	L-128	12
Liquid	20 L	5.2 gal	53-G 177	L-128	1
Liquid	208 L	55 gal	53-G 178	L-128	1



Benefits

- ▷ Leaves no residue, streaks, or stains
- ▷ Ready to use

Features

- ▷ One product for multiple processes and surfaces
- ▷ Fast acting, fast drying
- ▷ VOC compliant (per CARB 310)



Benefits

- ▷ Increased surface coverage
- ▷ Improves adhesion quality in coating applications
- ▷ A safer alternative to traditional solvents

Features

- ▷ Phosphate free and biodegradable
- ▷ Low VOC (7% content), slow evaporation rate, and minimal odor
- ▷ High flash point
- ▷ Residue-free after wiping

CLEANING, LUBRICATING AND TEMPORARY PROTECTION

OMNI™

Cleaner/lubricant/protector (CLP)
 Multifunctional maintenance cleaner/lubricant/protector.
 Excellent penetrating and lubricating capability.
 Protects surfaces from oxidation.
NSF category A8, registration #142610

Applications

- ▷ Dissolving light rust and graphite
- ▷ Loosening rusted and seized hardware

Benefits

- ▷ Cleans, penetrates, lubricates, and protects in one easy step
- ▷ Versatile – can be used for multiple maintenance applications
- ▷ Reduces rework
- ▷ Creates a safer, healthier work environment

Features

- ▷ Nonflammable, silicone-free, Teflon-free
- ▷ High flash point 125 °C (275 °F)
- ▷ Dielectric strength 350 Volts/Mil, dielectric breakdown voltage 35 000 Volts as per ASTM D877-13, procedure A
- ▷ Pleasant scent—no harsh fumes or vapors



Description	Size		Order No.	(M)SDS	Std. Pkg.
	Metric	US Gal			
Aerosol	480 ml	16.2 fl.oz.	53-X 002	L-73	12
Sprayer	500 ml	16.9 oz.	53-X 003	L-74	12
Liquid	3.78 L	1 gal	53-X 005	L-74	1
Liquid	20 L	5.2 gal	53-X 007	L-74	1
Liquid	208 L	55 gal	53-X 008	L-74	1
Liquid	1000 L	264.6 gal	53-X 009	L-74	1

ACCESSORIES

	Order No.
Industrial pump sprayer	53-L 120
Spout for 20 L square plastic pail	53-L 207
Spout for 208L plastic drum 2" NPT	53-L 209
Empty refillable trigger sprayer for OMNI	53-L 314
Bio-Circle® Powercloth microfiber / Pack of 10	57-M 001



AIR FORCE CB 100™ START-UP PACKAGES

NEW

The Air Force aerosol can refilling station offers the convenience of using aerosol cans with the cost effectiveness of buying bulk packaging

The Air Force station automatically dispenses CB 100™, the all-natural cleaner and degreaser, and compressed air into refillable spray cans helping you reduce costs associated with the disposal of harmful aerosol cans as well as your environmental impact.



AIR FORCE CB 100™ 208 L / 55 gal.

Order no.
57-D 058

The start-up package includes:

- ▷ 1 x 53-G 168 CB 100 208 L / 55 gal. drum
- ▷ 1 x 57-D 000 Air Force Generic Orange Station
- ▷ 4 x 53-B 105 refillable bottle



AIR FORCE refillable sprayer

Durable and light weight aluminum Air Force sprayer comes with a specific label to clearly identify the contents.



$$\frac{1 \times 208 \text{ L}}{\text{DRUM}} = \frac{700}{\text{CANS}}$$

No more disposing of hazardous aerosol cans



Air refilling pod
Order No.: 53-M 010



Accessories	Order No.
Air refilling pod	53-M 010
Drum adaptor	53-M 038

AIR FORCE AF-OMNI™ START-UP PACKAGES

AF-OMNI is a system with a base unit that automatically dispenses AF-OMNI liquid and compressed air into refillable spray cans. Save money by buying in bulk and reduce costs associated with the disposal of aerosol cans, all while reducing your environmental impact.

Air Force AF-OMNI™ 20 L / 5.3 gal.

Includes:

- ▷ Use of Air Force OMNI station
- ▷ 1 x 53-X 007 OMNI 20 L / 5.3 gal
- ▷ 1 x 53-M 058 pail adaptor
- ▷ 6 x 53-M 132 refillable bottles
- ▷ 6 x 53-M 054 variable spray valves

Order No.: 53-M 012AF0BB



Air Force AF-OMNI™ 208 L / 55 gal.

Includes:

- ▷ Use of Air Force OMNI station
- ▷ 1 x 53-X 008 OMNI 208 L / 55 gal
- ▷ 1 x 53-M 038 drum adaptor
- ▷ 1 x 53-M 025 safety valve
- ▷ 6 x 53-M 132 refillable bottles
- ▷ 6 x 53-M 054 variable spray valves

Order No.: 53-M 012AF0D



AF-OMNI™

Refillable sprayer

Durable and light weight aluminum OMNI™ sprayer comes with an OMNI™ specific label to clearly identify the contents and ensure full workplace compliance.

Fill capacity	Operating pressure	Order No.
400 ml / 13.5 oz	90 - 125 psi	53-M 132



Benefits

- ▷ *Eliminates aerosol disposal costs*
- ▷ *Reduces environmental impact*
- ▷ *Improves sustainability*

	Order No.
Optional nozzles	
Wide spray	53-M 022
Long extension tube	53-M 052
Short extension tube	53-M 053
Variable spray	53-M 054
Accessories	
Air refilling station	53-M 010
Air nozzle	53-M 015
Replacement valve kit (includes 2 valves and 2 spray tips)	53-M 030
Brass screw cap	53-M 037
Replacement filling valve	53-M 039
Pail adaptor	53-M 041
Drum adaptor	53-M 038
Safety valve	53-M 025

OUR CONTRIBUTION TO BUILD A BETTER WORLD

In the last 15 years, we've eliminated more than 15,000 solvent tubs from daily use in a variety of industrial maintenance settings. This means approximately 75,000 workers are no more exposed to dangerous solvents, and up to 825,000 gallons of solvents have been removed from the workplace and the industrial waste stream. In addition, an estimated 3 to 6 million pounds of VOCs no longer threaten the environment.

ACCESSORIES



Threaded throw-away adaptors

Description	Order No.
For 1/8" wheels (5/8"NC)	08-B 002
For 1/4" wheels (5/8"NC)	08-B 001
For 1/2" wheels (5/8"NC)	08-B 003



Reusable adaptor kit

Description	Order No.
For depressed center wheels	08-B 031



Mandrels for ZIP wheels

Description	Order No.
Flush mandrels with 1/4" shaft	
For 2 and 3" wheels, 1/4" and 3/8" arbor	11-L 007
For 2" wheels, 5/16" arbor	11-L 001
For 3" and 4" wheels, 1/4" arbor	11-L 006
For 3" and 4" wheels, 3/8" arbor	11-L 003
General purpose mandrels with 1/4" shaft	
For 2" wheels, 3/8" arbor	11-L 008
For 2" wheels, 5/16" arbor	11-L 002
For 3" and 4" wheels, 3/8" arbor	11-L 004
with 5/16" shaft	
For 3" and 4" wheels, 3/8" arbor	11-L 005



Mandrel for finishing wheels

Description	Order No.
Plastic, 8 mm shaft, self-expanding, flush mounting for 1" thick wheels	07-C 003



1/4" shaft for TWIST backing pads

Description	Order No.
with 1/4"-20 thread	
For 2" and 3" pads	04-X 001



Clamping flanges

Description	Order No.
Clamping flanges set to mount 9" cut-off wheels on 5/8"-11 spindles	30-B 022



Mounting accessories for FX wheels

Mandrels for use on straight grinders and drills

Description	Order No.
For use with 4" FX wheels	
1/4" shaft	07-X 004
8 mm shaft	07-X 003
For use with 6" FX wheels	
1/4" shaft	07-X 006
8 mm shaft	07-X 005
Extension mandrels for use on angle grinders	
M14 x 2.0 thread	07-C 005
5/8"-11 thread	07-C 006



Two wheels can be mounted on each mandrel.

Wheel dressers

Description	Order No.
For bench grinder wheels	
Standard	12-E 001
Heavy-duty	12-E 002
Replacement wheels	
Set for 12-E 001	12-E 004
Set for 12-E 002	12-E 005



Reducer bushings

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

Extra clamping nuts

Description	Order No.
For 4" backing pads	
3/8"-24	15-D 015
For 4 1/2" and 5" backing pads	
M10 x 1.25	15-D 010
5/8"-11	15-D 014
For 6" and 7" backing pads	
5/8"-11	15-H 014
For 7" Turbo Action backing pad	
5/8"-11	15-M 014
For 4 1/2" and 5" backing pads	
5/8"-11	15-D 024
For 7" backing pads	
5/8"-11	15-H 025



Spacer washers

Description	Order No.
For grinders with: 5/8"-11 spindle	07-Q 001
For grinders with: M14x2.0 spindle	07-Z 005

Wire brush adaptors and mandrels

Description	Order No.
Use these threaded adaptors to convert brushes with 5/8"-11 arbor	
To M10 × 1.25 female	13-D 001
To M10 × 1.5 female	13-D 002
To 3/8"-24 female	13-D 003
To 3/8"-16 female	13-D 007
Use these mandrels for double-sided knot-twisted mounted brushes	
To fit with 13-C 303 (3/8" X 1/4")	13-D 008
To fit with 13-C 404 (1/2" X 1/4")	13-D 009



SPIN-ON performance kit

Description	Order No.
Contains 1 universal clamping nut holder for all types of clamping flanges. Allows quick and easy storage of clamping flange when not in use. Also includes 2 silicone rings.	30-B 024



Mounting flanges

Description	Order No.
5/8"-11 clamping nut for 6150, 6161, 6170, 6190, 6255, 6260, 6350 and 6360.	30-B 037
Thick backing flange for a flush fit and minimal exposure of spindle beyond the clamping nut for Walter grinders with: 5/8"-11 spindles	30-B 017



Quick release backing flange

Description	Order No.
For quick and easy removal of wheel	30-B 057
Special heat resistant silicone ring for retention of the back flange to the spindle. Package of 10.	30-B 027
Quick nut 5/8"-11	30-B 020



Nut holder

Description	Order No.
Thread your clamping nut directly on your grinder when not in use. Prevents losses.	30-B 023



Flanges for flush mounting wheels

Description	Order No.
Thick backing flange for a flush fit and minimal exposure of spindle beyond the clamping nut for Walter grinders with: 5/8"-11 spindles	30-B 017
Flush mounting set (includes special flange and clamping nut)	
Complete set for a flush fit and minimal spindle exposure beyond the clamping nut, for other brands of grinders with: 5/8"-11 spindles	30-B 021
ErgoFlex mounting set	
5/8"-11 spindle	30-B 030



Spacer washers

Description	Order No.
For grinders with: 5/8"-11 spindle	07-Q 001
For grinders with: M14×2.0 spindle	07-Z 005



Pin keys

Description	Order No.
For clamping nuts	48-Z 148



Side handles

Description	Order No.
4-1/2", 5" and 6", Quick-Step Big Buff and Line-Mate III	30-B 075
7" and 9"	48-M 401
Straight grinder 6145	48-L 555



Anti-vibration handle

Description	Order No.
MAXI 7" and 9"	32-B 078

Carrying case

Description	Order No.
Sturdy steel carrying case with protective foam and ample room for accessories. For 6141, 6145, 6150, 6161, 6255, and 6260 grinders.	30-B 010



Flexible shaft

Description	Order No.
For delicate finishing work with 6141 and 6145. 1/4" collet, 5 ft. long.	30-B 050



Bench mount

Description	Order No.
For use with flexible shaft, for 6141 and 6145.	30-B 002



Replacement collets

Size	Order No.
For 6141 and 6145.	
1/4"	30-B 046
1/8"	30-B 047
6 mm	30-B 048



Special "Top-Up" lubricants

Description	Order No.
For models: 6145, 6150, 6161, 6170, 6190, 6255, 6260, 6265, 6268, 6330, 6350, 6352, 6360 and 6362.	48-Z 392



Carbon brush Diamond brush seating stick

Order No.
48-Z 449



Spouts

Description	Order No.
53-L 210*	
53-L 209*	
53-L 207*	
53-L 113*	
Spout for 5 L / 1.3 gal plastic pail	53-L 113
Spout for 20 L / 5.3 gal square plastic pail	53-L 207
Spout for 208 L plastic drum and 200 L / 55 gal metal drum, 2" NPT	53-L 209
Spout for 200 L metal drum, 3/4" NPT	53-L 210

Walter industrial gloves

Made of 100% black goatskin leather, with neoprene inserts that reduce vibration. The thumb curve is made with Kevlar™.

Size	Order No.
Large	30-B 093
Extra-Large	30-B 095



Accessories for air grinders

Description	Order No.
Use these adaptors to convert accessories with 5/8"-11 arbors	
To 3/8"-16 (male)	13-D 004
To 5/16"-24 (male)	13-D 005
Use these extensions to mount accessories	
With 3/8"-24 on spindles with 3/8"-24 thread	08-B 006
With 3/8"-24 on spindles with 7/16"-20 thread	08-B 005
With 5/8"-11 on spindles with 1/2"-13 thread	08-B 008
Clamping nut for use with above extension 3/8"-24 thread, to mount grinding wheels	
With 5/8" arbor	08-B 007
Mounting flange to mount 4" type 27 grinding wheels on air grinders	
with 3/8"-24 spindle	08-B 004



Cutting guard

Size	Order No.
Designed to make all cutting operations even safer.	
3"	30-B 051
7"	30-B 065
9"	30-B 066



Grinder Grip™ magnet

Strong magnet to fix your grinder to any ferrous metal surface.



Description	Order No.
Compatible with DEWALT grinder models: DWE402, DW831, DWE43066, DWE43113, DWE43114, DWE43840, DCG413B, D28065, D28402, and others	30-G 002
Compatible with MAKITA grinder models: 9005B, GA5020, 9558, GA5010, GA5043, GA6010, GA6020, 9566 and others	30-G 003
Compatible with MILWAUKEE grinder models: 6121, 6124, 6130, 2780, 6143, 6116, 6117, 6142, 2680, 2981, 2783 and others	30-G 004
Compatible with HILTI grinder models: AG500-A22, AG600-A36, AG450-7, AG500-12, AG500-7, AG500-11 and others	30-G 005

Refillable trigger sprayers

Sprayers equipped with precision mechanism – guarantees minimal constant spray mist / no dripping. Clearly identified with product specific labels showing product features, GHS information and directions for use.



Description	Size		Order No.	Std. Pkg.
	Metric	US Gal		
SPATTER BLOCK	500 ml	16.9 oz	53-L 321	1
E-WELD 3	500 ml	16.9 oz	53-L 320	1
E-WELD 4	500 ml	16.9 oz	53-L 338	1



Bio-Circle® POWERCLOTH™

- ▷ Ideal for streak free clean-ups
- ▷ Non-abrasive, won't scratch mirror finish, paint or clear coat



Description	Order No.	Std. Pkg.
Bag	57-M 001	10

REFILLABLE TRIGGER SPRAYERS

Practical and sturdy, all bottles are clearly identified with product specific labels showing product features, hazard information and directions for use. High-quality, resistant trigger for longest life. Transparent bottle allows you to see product level. Can be refilled hundreds of times.



Description	Size		Order No.	Std. Pkg.
	Metric	US Gal		
UNO S F dilution	950 ml	32.1 oz	53-L 158	1
UNO S F	500 ml	16.9 oz	53-L 315	1
POWER CLEANER 100	500 ml	16.9 oz	53-L 309	1
SC 400	500 ml	16.9 oz	53-L 313	1
OMNI	500 ml	16.9 oz	53-L 314	1
UNO S	500 ml	16.9 oz	53-L 335	1
E-NOX SHINE	500 ml	16.9 oz	53-L 316	1
FT 100	500 ml	16.9 oz	53-L 323	1
FT 200	500 ml	16.9 oz	53-L 322	1
E-NOX CLEAN	500 ml	16.9 oz	53-L 337	1
PRO CLEAN	500 ml	16.9 oz	53-L 341	1
SLAP SHOT	500 ml	16.9 oz	53-L 311	1
HANG-ON	500 ml	16.9 oz	53-L 331	1
COOLCUT	500 ml	16.9 oz	53-L 330	1
BOLT-OUT	500 ml	16.9 oz	53-L 332	1
CB 100	500 ml	16.9 oz	53-L 342	1
CB 100 ALU	500 ml	16.9 oz	53-L 343	1

INDUSTRIAL PUMP SPRAYERS

Rugged and convenient sprayers designed to effectively dispense a variety of Bio-Circle® cleaners and lubricants.

The spray pattern can easily be adjusted from a pin pointjet for accurate product dispensing to a wide fan for fast surface coverage. Viton gaskets and corrosion-proofspring for optimal chemical resistance. These thick walled polyethylene bottles feature a wide neck for easy filling hundreds of times.



Description	Size		Order No.	Std. Pkg.	Std. Pkg.
	Metric	US Gal			
For SC 400, PRO CLEAN, CB 100, AF-PL, FT 100, FT 200, OMNI, ALL SEASONS	900 ml	30 oz	53-L 120	1	1

ACCESSORIES	Order No.
Replacement Viton gasket set	53-L 100
Replacement spray nozzle (without gaskets)	53-L 104
Replacement swirl piece (without gaskets)	53-L 114

BIO-CIRCLE® PARTS CLEANING SYSTEM ACCESSORIES

Parts washing basket

- 9" dia x 8 1/4" high
- 1/4" holes

55-B 004



Filter cartridge

- Reusable 350 micron
- Reusable 200 micron
- Reusable 100 micron
- Disposable 100 micron
- Disposable 200 micron

55-B 011

55-B 038

55-B 036

55-B 012

55-B 021



Bio-Circle® scraper

55-B 063



Angled flow through brush

55-B 007



Disposable filter bags for Bio-Circle® machines

- 50 micron
- 100 micron
- 200 micron

55-B 041

55-B 042

55-B 043



Bio-Circle® Air Drying Gun

55-B 085



Sink lid

- For MAXI

55-B 047



Filter housing spanner

- For MAXI

55-B 035



Replacement flow-through brush

55-B 005



Small industrial parts washing basket

55-B 087



CleanBox® Dip

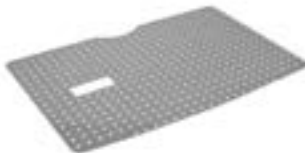
55-D 010

Order no. for dolly: 55-B 083

Stainless steel sink insert

- For MAXI

55-B 048



Casters

- For MAXI

55-B 049



SPOUTS

Tech tip!
 When transferring flammable liquids, always ensure containers are grounded and follow normal safety rules.

Description	Order No.
Spout for 5 L / 1.3 gal plastic pail	53-L 113 *
Spout for 20 L / 5.3 gal square plastic pail	53-L 207 *
Spout for 20 L / 5.3 gal round metal pail and 200 L / 55 gal metal drum, (metal spout), 3/4" NPT	53-L 208 *
Spout for 208 L plastic drum and 200 L / 55 gal metal drum, 2" NPT	53-L 209 *
Spout for 200 L metal drum, 3/4" NPT	53-L 210 *

* Allows to fill 500 ml trigger sprayer bottles or any other larger container directly.



Metal drum pump

For use with lubricants or viscous liquids



Description	Order No.
Delivers 12 oz per stroke.	53-L 115

Chrome plated drum pump

For use with aqueous or solvent based cleaners



Description	Order No.
Delivers 8 oz per stroke	53-L 116

Hand pump

For effective fluid transfer



Description	Order No.
Use with Bio-Circle®	55-B 051

THE **WALTER** **VENDING** PROGRAM



OPTIMIZED **CHOICE**

OPTIMIZED **QUANTITIES**

OPTIMIZED **INVENTORY**

OPTIMIZED **SAVINGS**



THE WALTER VENDING PROGRAM

The right tool at the click of a button.
Get the convenience of

READY-TO-GO, PRE-PACKED UNITS
ROUND-THE-CLOCK AVAILABILITY



**Get our vending program to work
for you and benefit from:**

- ▷ Pre-packed products
- ▷ Convenient single-pack quantities
- ▷ Vast product choice
- ▷ Optimized inventory



See back cover for contact details

WALTER PRODUCTS AVAILABLE

PACKS OF 5



ZIPCUT™ TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11T042V	4-1/2X3/64 ZIPCUT WHEELS	5	80
11T052V	5X3/64X7/8 ZIPCUT WHEEL	5	80
11T062V	6X3/64X7/8 ZIPCUT WHEEL	5	40



ZIPCUT™ TYPE 27

Order No.	Description	Std. Pkg.	Std. Ctn.
11T142V	4-1/2X3/64 ZIPCUT TYPE 27	5	80
11T152V	5X3/64X7/8 ZIPCUT TYPE 27	5	80
11T162V	6X3/64X7/8 ZIPCUT TYPE 27	5	80



ZIP XXXTREME™

Order No.	Description	Std. Pkg.	Std. Ctn.
11T044V	4-1/2X3/64 ZIP XXXTREME WHEELS	5	20
11T054V	5X3/64X7/8 ZIP XXXTREME WHEELS	5	80



ZIP TITAN™

Order No.	Description	Std. Pkg.	Std. Ctn.
11H042V	4-1/2X3/64 ZIP TITAN WHEELS	5	80
11H052V	5X3/64 ZIP TITAN WHEELS	5	80
11H062V	6X3/64 ZIP TITAN WHEELS	5	40

PACKS OF 5



ZIP+ XTRA™ TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11T242V	4-1/2 x 1/16 ZIP + WHEEL	5	80
11T252V	5 X 1/16 ZIP + WHEEL	5	80
11T262V	6 X 1/16 ZIP + WHEEL	5	40



ZIP+ XTRA™ TYPE 27

Order No.	Description	Std. Pkg.	Std. Ctn.
11T453V	4-1/2 X 1/16 ZIP+ TYPE 27	5	80
11T503V	5 X 1/16 ZIP+ WHEELS TYPE 27	5	80
11T603V	6 X 1/16 ZIP+ TYPE 27	5	40



TOUGH CUT™

Order No.	Description	Std. Pkg.	Std. Ctn.
11R042V	4-1/2X3/32 A30 TOUGH CUT	5	40
11R052V	5X3/32X7/8 A30 TOUGH CUT	5	40
11R062V	6X3/32X7/8 A30 TOUGH CUT	5	20



ZIP ONE™ TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11T542V	4-1/2x1/32 ZIP ONE WHEEL	5	80
11T552V	5"x 1/32" ZIP ONE WHEEL	5	80



ZIP ONE™ TYPE 27

Order No.	Description	Std. Pkg.	Std. Ctn.
11T642V	4-1/2x1/32 ZIP ONE TYPE 27	5	80
11T652V	5"x 1/32" ZIP ONE TYPE 27	5	80
11T662V	6"x 1/32" ZIP ONE TYPE 27	5	40



ZIP STAINLESS™ TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11F042V	4-1/2X3/64 ZIP STAINLESS	5	80
11F052V	5"X3/64 ZIP STAINLESS	5	80
11F062V	6"X3/64 ZIP STAINLESS	5	40



ZIP STAINLESS™ TYPE 27

Order No.	Description	Std. Pkg.	Std. Ctn.
11F142V	4-1/2X3/64 ZIP ST TYPE 27	5	80
11F152V	5X3/64 ZIP STAINLESS TYPE 27	5	80
11F162V	6X3/64 ZIP STAINLESS TYPE 27	5	40



ZIP ALU™ TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11U042V	4-1/2X3/64 ZIP ALU WHEEL	5	80
11U052V	5X3/64 ZIP ALU WHEEL	5	80
11U062V	6 X 3/64 ZIP ALU WHEEL	5	40



ZIP ALU™ TYPE 27

Order No.	Description	Std. Pkg.	Std. Ctn.
11U142V	4-1/2X3/64 ZIP ALU TYPE 27	5	80
11U152V	5X3/64 ZIP ALU TYPE 27	5	80
11U162V	6 X 3/64 ZIP ALU TYPE 27	5	40



ZIP ALU™ TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11U303V	3X1/32X3/8 ALU C/O WHEEL	5	40

THE WALTER VENDING PROGRAM

PACKS OF 5



COMBO ZIP™

Order No.	Description	Std. Pkg.	Std. Ctn.
11T842V	4-1/2X5/64 COMBO ZIP	5	80
11T852V	5X5/64 COMBO ZIP	5	80
11T862V	6X5/64 COMBO ZIP	5	40



ZIP™ 2" TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11L202V	2X1/32X1/4 ZIP CUT-OFF WHEELS	5	40
11L203V	2X1/32X3/8 ZIP CUT-OFF WHEELS	5	40
11L211V	2X1/16X5/16 ZIP CUT-OFF WHEELS	5	40
11L212V	2X1/16X1/4 ZIP CUT-OFF WHEELS	5	40
11L213V	2X1/16X3/8 ZIP C/O WHEEL	5	40
11L221V	2X1/8X5/16 ZIP CUT-OFF WHEELS	5	40
11L223V	2X1/8X3/8 ZIP C/O WHEEL	5	40
11L231V	2X1/4X5/16 ZIP GR WHEELS	5	40
11L233V	2X1/4X3/8 ZIP C/O WHEEL	5	40
11L251V	2X1/2X5/16 ZIP GR WHEELS	5	40
11L253V	2X1/2X3/8 ZIP C/O WHEEL	5	40



ZIP™ 2 1/2" TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11L262V	2.5X1/16X1/4 ZIP CUT-OFF WHEEL	5	40
11L263V	2.5X1/32X3/8 ZIP CUT-OFF WHEEL	5	40



ZIP™ 3" TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11L302V	3X1/32X1/4 ZIP C/O WHEELS	5	40
11L303V	3X1/32X3/8 ZIP C/O WHEELS	5	40
11L308V	3X1/32X3/8 TYPE 27	5	40
11L312V	3X1/16X1/4 ZIP C/O WHEELS	5	40
11L313V	3X1/16X3/8 ZIP CUT-OFF WHEELS	5	40
11L316V	3X1/16X1/4 ZIP C/O WHEELS	5	40
11L317V	3X1/16X3/8 ZIP C/O WHEELS	5	40
11L322V	3X1/8X1/4 ZIP C/O WHEELS	5	40
11L323V	3X1/8X3/8 ZIP CUT-OFF WHEELS	5	40
11L333V	3X1/4X3/8 ZIP GR WHEELS	5	20
11L353V	3X1/2X3/8 ZIP GR WHEELS	5	20

ZIP™ 4" TYPE 1

Order No.	Description	Std. Pkg.	Std. Ctn.
11L402V	4X1/32X1/4 ZIP C/O WHEELS	5	40
11L403V	4X1/32X3/8 ZIP C/O WHEELS	5	40
11L405V	4X1/32X5/8 ZIP C/O WHEELS	5	40
11L406V	4X1/32X1/4 ZIP C/O WHEELS	5	40
11L408V	4X1/32X3/8 ZIP C/O WHEELS	5	40
11L412V	4X1/16X1/4 ZIP C/O WHEELS	5	40
11L413V	4X1/16X3/8 ZIP C/O WHEELS	5	40
11L415V	4X1/16X5/8 ZIP C/O WHEELS	5	40
11L417V	4X1/16X3/8 ZIP C/O WHEELS	5	40



COOLCUT XX™

Order No.	Description	Std. Pkg.	Std. Ctn.
15X452V	4-1/2 GR24 COOLCUT XX DISCS	5	50
15X453V	4-1/2 GR36 COOLCUT XX DISCS	5	50
15X455V	4-1/2 GR50 COOLCUT XX	5	50
15X456V	4-1/2 GR60 COOLCUT XX DISCS	5	50
15X458V	4-1/2 GR80 COOLCUT XX DISCS	5	50
15X460V	4-1/2 GR100 COOLCUT XX	5	50
15X462V	4-1/2 GR120 COOLCUT XX DISCS	5	50
15X473V	4.5"GR36 COOLCUT XX/Q. CHANGE	5	50
15X475V	4.5"GR50 COOLCUT XX/Q. CHANGE	5	50
15X476V	4.5"GR60 COOLCUT XX/Q. CHANGE	5	50
15X478V	4.5"GR80 COOLCUT XX/Q. CHANGE	5	50
15X482V	4.5"GR120 COOLCUT XX/Q. CHANGE	5	50
15X502V	5" GR24 COOLCUT XX DISCS	5	50
15X503V	5" GR36 COOLCUT XX DISCS	5	50
15X505V	5" GR50 COOLCUT XX	5	50
15X506V	5" GR60 COOLCUT XX DISCS	5	50
15X508V	5" GR80 COOLCUT XX DISCS	5	50
15X510V	5" GR100 COOLCUT XX	5	50
15X512V	5" GR120 COOLCUT XX DISCS	5	50
15X523V	5" GR36 COOLCUT XX/Q. CHANGE	5	50
15X525V	5" GR50 COOLCUT XX/Q. CHANGE	5	50
15X526V	5" GR60 COOLCUT XX/Q. CHANGE	5	50
15X528V	5" GR80 COOLCUT XX/Q. CHANGE	5	50
15X532V	5" GR120 COOLCUT XX/Q. CHANGE	5	50
15X602V	6" GR24 COOLCUT XX DISCS	5	50
15X603V	6" GR36 COOLCUT XX DISCS	5	50
15X605V	6" GR50 COOLCUT XX DISCS	5	50
15X606V	6" GR60 COOLCUT XX DISCS	5	50
15X608V	6" GR80 COOLCUT XX DISCS	5	50
15X610V	6" GR100 COOLCUT XX DISCS	5	50
15X612V	6" GR120 COOLCUT XX DISCS	5	50
15X622V	6" GR24 COOLCUT XX/Q. CHANGE	5	50
15X623V	6" GR36 COOLCUT XX/Q. CHANGE	5	50
15X625V	6" GR50 COOLCUT XX/Q. CHANGE	5	50
15X626V	6" GR60 COOLCUT XX/Q. CHANGE	5	50
15X628V	6" GR80 COOLCUT XX/Q. CHANGE	5	50
15X630V	6" GR100 COOLCUT XX/Q. CHANGE	5	50
15X632V	6" GR120 COOLCUT XX/Q. CHANGE	5	50

PACKS OF 5



TOPCUT™

Order No.	Description	Std. Pkg.	Std. Ctn.
15P452V	4-1/2" GR24 TOPCUT DISCS	5	50
15P453V	4-1/2" GR36 TOPCUT DISCS	5	50
15P456V	4-1/2" GR60 TOPCUT DISCS	5	50
15P458V	4-1/2" GR80 TOPCUT DISCS	5	50
15P502V	5" GR24 TOPCUT SAND DISCS	5	50
15P503V	5" GR36 TOPCUT SAND DISCS	5	50
15P506V	5" GR60 TOPCUT SAND DISCS	5	50
15P508V	5" GR80 TOPCUT SAND DISCS	5	50



COOLCUT™

Order No.	Description	Std. Pkg.	Std. Ctn.
15C452V	4-1/2 GR24 COOLCUT DISCS	5	50
15C453V	4-1/2 GR36 COOLCUT DISCS	5	50
15C454V	4-1/2 GR40 COOLCUT DISCS	5	50
15C455V	4-1/2 GR50 COOLCUT DISCS	5	50
15C456V	4-1/2 GR60 COOLCUT DISCS	5	50
15C458V	4-1/2 GR80 COOLCUT DISCS	5	50
15C460V	4-1/2 GR100 COOLCUT DISCS	5	50
15C462V	4-1/2 GR120 COOLCUT DISCS	5	50
15C502V	5" GR24 COOLCUT SAND DISCS	5	50
15C503V	5" GR36 COOLCUT SAND DISC	5	50
15C504V	5" GR40 COOLCUT SAND DISCS	5	50
15C505V	5" GR50 COOLCUT SAND DISC	5	50
15C506V	5" GR60 COOLCUT SAND DISCS	5	50
15C508V	5" GR80 COOLCUT SAND DISCS	5	50
15C510V	5" GR100 COOLCUT SAND DISC	5	50
15C512V	5" GR120 COOLCUT SAND DISC	5	50



QUICK-STEP XX™

Order No.	Description	Std. Pkg.	Std. Ctn.
15V412V	4-1/2 GR120 QUICK STEP XX DISCS	5	50
15V418V	4-1/2 GR180 QUICK STEP XX DISCS	5	50
15V424V	4-1/2 GR240 QUICK STEP XX DISCS	5	50
15V512V	5" GR120 QUICK STEP XX DISCS	5	50
15V518V	5" GR180 QUICK STEP XX DISCS	5	50
15V524V	5" GR240 QUICK STEP XX DISCS	5	50
15V612V	6" GR120 QUICK STEP XX DISCS	5	50
15V618V	6" GR180 QUICK STEP XX DISCS	5	50
15V624V	6" GR240 QUICK STEP XX DISCS	5	50



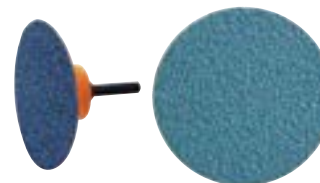
TWIST FLAP DISCS™

Order No.	Description	Std. Pkg.	Std. Ctn.
04A254V	2-1/2" FLAP DISC - GR40	2	80
04A256V	2-1/2" FLAP DISC - GR60	2	80
04A258V	2-1/2" FLAP DISC - GR80	2	80
04A262V	2-1/2" FLAP DISC - GR120	2	80



TWIST™ COOLCUT SANDING DISCS

Order No.	Description	Std. Pkg.	Std. Ctn.
04C203V	2" TWIST COOLCUT XX - GR 36	10	100
04C205V	2" TWIST COOLCUT XX - GR 50	10	100
04C206V	2" TWIST COOLCUT XX - GR 60	10	100
04C208V	2" TWIST COOLCUT XX - GR 80	10	100
04C212V	2" TWIST COOLCUT XX - GR 120	10	100
04C303V	3" TWIST COOLCUT XX - GR 36	10	100
04C305V	3" TWIST COOLCUT XX - GR 50	10	100
04C306V	3" TWIST COOLCUT XX - GR 60	10	100
04C308V	3" TWIST COOLCUT XX - GR 80	10	100
04C312V	3" TWIST COOLCUT XX - GR 120	10	100



TWIST™ TOPCUT SANDING DISCS

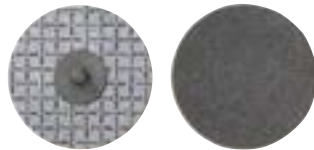
Order No.	Description	Std. Pkg.	Std. Ctn.
04D203V	2" TOPCUT DISC - GR 36	10	400
04D205V	2" TOPCUT DISC - GR 50	10	400
04D206V	2" TOPCUT DISC - GR 60	10	400
04D208V	2" TOPCUT DISC - GR 80	10	400
04D210V	2" TOPCUT DISC - GR 100	10	400
04D212V	2" TOPCUT DISC - GR 120	10	400
04D303V	3" TOPCUT DISC - GR 36	10	200
04D305V	3" TOPCUT DISC - GR 50	10	200
04D306V	3" TOPCUT DISC - GR 60	10	200
04D308V	3" TOPCUT DISC - GR 80	10	200
04D310V	3" TOPCUT DISC - GR 100	10	200
04D312V	3" TOPCUT DISC - GR 120	10	200

THE WALTER VENDING PROGRAM



TWIST™ BLENDEX CONDITIONING DISCS

Order No.	Description	Std. Pkg.	Std. Ctn.
04G202V	2" BLENDEX TWIST - COARSE	5	200
04G203V	2" BLENDEX TWIST - MED	5	200
04G204V	2" BLENDEX TWIST - FINE	5	200
04G205V	2" BLENDEX TWIST - S. FINE	5	200
04G302V	3" BLENDEX TWIST - COARSE	5	200
04G303V	3" BLENDEX TWIST - MED	5	200
04G304V	3" BLENDEX TWIST - FINE	5	200
04G305V	3" BLENDEX TWIST - S. FINE	5	100



TWIST™ BLENDEX U DISCS

Order No.	Description	Std. Pkg.	Std. Ctn.
04U321V	3" BLENDEX U TWIST-2SF	2	20
04U322V	3" BLENDEX U TWIST-6SF	2	20
04U323V	3" BLENDEX U TWIST-6AM	2	20



FX™ SURFACE CLEANING DISCS

Order No.	Description	Std. Pkg.	Std. Ctn.
04L200V	2" FX DISC	2	80
04L300V	3" FX DISC	2	40



TWIST™ FELT DISCS

Order No.	Description	Std. Pkg.	Std. Ctn.
04T204V	2" TWIST FELT DISC	5	200
04T304V	3" TWIST FELT DISC	5	100

PACKS OF 5



SST™ 118° JOBBERS LENGTH FRACTIONAL SINGLE PACKS

Order No.	Description	Std. Pkg.	Std. Ctn.
01A004A	1/16 SST JOBBER QCK SHANK	5	240
01A005A	5/64 SST JOBBER QCK SHANK	5	240
01A006A	3/32 SST JOBBER QCK SHANK	5	240
01A007A	7/64 SST JOBBER QCK SHANK	5	240
01A008A	1/8 SST JOBBER QCK SHANK	5	240
01A009A	9/64 SST JOBBER QCK SHANK	5	240
01A010A	5/32 SST JOBBER QCK SHANK	5	240
01A011A	11/64 SST JOBBER QCK SHANK	5	240
01A012A	3/16 SST JOBBER QCK SHANK	5	240
01A013A	13/64 SST JOBBER QCK SHANK	5	240
01A014A	7/32 SST JOBBER QCK SHANK	5	240
01A015A	15/64 SST JOBBER QCK SHANK	5	240
01A016A	1/4 SST JOBBER QCK SHANK	5	240
01A017A	17/64 SST JOBBER QCK SHANK	5	240
01A018A	9/32 SST JOBBER QCK SHANK	5	240
01A019A	19/64 SST JOBBER QCK SHANK	5	240
01A020A	5/16 SST JOBBER QCK SHANK	5	240
01A021A	21/64 SST JOBBER QCK SHANK	5	240
01A022A	11/32 SST JOBBER QCK SHANK	5	240
01A023A	23/64 SST JOBBER QCK SHANK	5	240
01A024A	3/8 SST JOBBER QCK SHANK	5	240
01A025A	25/64 SST JOBBER QCK SHANK	5	240
01A026A	13/32 SST JOBBER QCK SHANK	5	240
01A027A	27/64 SST JOBBER QCK SHANK	5	240
01A028A	7/16 SST JOBBER QCK SHANK	5	240
01A029A	29/64 SST JOBBER QCK SHANK	5	240
01A030A	15/32 SST JOBBER QCK SHANK	5	240
01A031A	31/64 SST JOBBER QCK SHANK	5	240
01A032A	1/2 SST JOBBER QCK SHANK	5	240



Product Listing

Order No.	Description	Page	Order No.	Description	Page
01A004	1/16 SST JOBBER QCK SHANK	129	01A027	27/64 SST JOBBER QCK SHANK	129
01A004A	1/16 SST JOBBER Q/S BLISTER	129	01A027A	27/64 SST JOB Q/S, BLISTER	129
01A005	5/64 SST JOBBER QCK SHANK	129	01A028	7/16 SST JOBBER QCK SHANK	129
01A005A	5/64 SST JOBBER Q/S BLISTER	129	01A028A	7/16 SST JOB Q/S, BLISTER	129
01A006	3/32 SST JOBBER QCK SHANK	129	01A029	29/64 SST JOBBER QCK SHANK	129
01A006A	3/32 SST JOBBER Q/S BLISTER	129	01A029A	29/64 SST JOB Q/S, BLISTER	129
01A007	7/64 SST JOBBER QCK SHANK	129	01A030	15/32 SST JOBBER QCK SHANK	129
01A007A	7/64 SST JOBBER Q/S BLISTER	129	01A030A	15/32 SST JOB Q/S, BLISTER	129
01A008	1/8 SST JOBBER QCK SHANK	129	01A031	31/64 SST JOBBER QCK SHANK	129
01A008A	1/8 SST JOBBER Q/S BLISTER	129	01A031A	31/64 SST JOB Q/S, BLISTER	129
01A009	9/64 SST JOBBER QCK SHANK	129	01A032	1/2 SST JOBBER QCK SHANK	129
01A009A	9/64 SST JOBBER Q/S BLISTER	129	01A032A	1/2 SST JOB Q/S, BLISTER	129
01A010	5/32 SST JOBBER QCK SHANK	129	01A501	1/64 SST+ DRILL BIT	130
01A010A	5/32 SST JOBBER Q/S BLISTER	129	01A502	1/32 SST+ DRILL BIT	130
01A011	11/64 SST JOBBER QCK SHANK	129	01A503	3/64 SST+ DRILL BIT	130
01A011A	11/64 SST JOBBER Q/S BLISTER	129	01A504	1/16 SST+ DRILL BIT	130
01A012	3/16 SST JOBBER QCK SHANK	129	01A505	5/64 SST+ DRILL BIT	130
01A012A	3/16 SST JOBBER Q/S BLISTER	129	01A506	3/32 SST+ DRILL BIT	130
01A013	13/64 SST JOBBER QCK SHANK	129	01A507	7/64 SST+ DRILL BIT	130
01A013A	13/64 SST JOBBER Q/S BLISTER	129	01A508	1/8 SST+ DRILL BIT	130
01A014	7/32 SST JOBBER QCK SHANK	129	01A509	9/64 SST+ DRILL BIT	130
01A014A	7/32 SST JOBBER Q/S BLISTER	129	01A510	5/32 SST+ DRILL BIT	130
01A015	15/64 SST JOBBER QCK SHANK	129	01A511	11/64 SST+ DRILL BIT	130
01A015A	15/64 SST JOBBER Q/S BLISTER	129	01A512	3/16 SST+ DRILL BIT	130
01A016	1/4 SST JOBBER QCK SHANK	129	01A513	13/64 SST+ DRILL BIT	130
01A016A	1/4 SST JOBBER Q/S BLISTER	129	01A514	7/32 SST+ DRILL BIT	130
01A017	17/64 SST JOBBER QCK SHANK	129	01A515	15/64 SST+ DRILL BIT	130
01A017A	17/64 SST JOBBER Q/S BLISTER	129	01A516	1/4 SST+ DRILL BIT	130
01A018	9/32 SST JOBBER QCK SHANK	129	01A517	17/64 SST+ DRILL BIT	130
01A018A	9/32 SST JOBBER Q/S BLISTER	129	01A518	9/32 SST+ DRILL BIT	130
01A019	19/64 SST JOBBER QCK SHANK	129	01A519	19/64 SST+ DRILL BIT	130
01A019A	19/64 SST JOB Q/S, BLISTER	129	01A520	5/16 SST+ DRILL BIT	130
01A020	5/16 SST JOBBER QCK SHANK	129	01A521	21/64 SST+ DRILL BIT	130
01A020A	5/16 SST JOB Q/S, BLISTER	129	01A522	11/32 SST+ DRILL BIT	130
01A021	21/64 SST JOBBER QCK SHANK	129	01A523	23/64 SST+ DRILL BIT	130
01A021A	21/64 SST JOB Q/S, BLISTER	129	01A524	3/8 SST+ DRILL BIT	130
01A022	11/32 SST JOBBER QCK SHANK	129	01A525	25/64 SST+ DRILL BIT	130
01A022A	11/32 SST JOB Q/S, BLISTER	129	01A526	13/32 SST+ DRILL BIT	130
01A023	23/64 SST JOBBER QCK SHANK	129	01A527	27/64 SST+ DRILL BIT	130
01A023A	23/64 SST JOB Q/S, BLISTER	129	01A528	7/16 SST+ DRILL BIT	130
01A024	3/8 SST JOBBER QCK SHANK	129	01A529	29/64 SST+ DRILL BIT	130
01A024A	3/8 SST JOB Q/S, BLISTER	129	01A530	15/32 SST+ DRILL BIT	130
01A025	25/64 SST JOBBER QCK SHANK	129	01A531	31/64 SST+ DRILL BIT	130
01A025A	25/64 SST JOB Q/S, BLISTER	129	01A532	1/2 SST+ DRILL BIT	130
01A026	13/32 SST JOBBER QCK SHANK	129	01B501	#1 SST JOBBER DRILL	132
01A026A	13/32 SST JOB Q/S, BLISTER	129	01B502	#2 SST JOBBER DRILL	132

Order No.	Description	Page	Order No.	Description	Page
01B503	#3 SST JOBBER DRILL	132	01D550	5.00MM SST DRILL BIT	131
01B504	#4 SST JOBBER DRILL	132	01D555	5.50MM SST DRILL BIT	131
01B505	#5 SST JOBBER DRILL	132	01D560	6.00MM SST DRILL BIT	131
01B506	#6 SST JOBBER DRILL	132	01D565	6.50MM SST DRILL BIT	131
01B507	#7 SST JOBBER DRILL	132	01D567	6.7MM SST DRILL BIT	131
01B508	#8 SST JOBBER DRILL	132	01D570	7.00MM SST DRILL BIT	131
01B509	#9 SST JOBBER DRILL	132	01D575	7.50MM SST DRILL BIT	131
01B510	#10 SST JOBBER DRILL	132	01D580	8.00MM SST DRILL BIT	131
01B511	#11 SST JOBBER DRILL	132	01D585	8.5MM SST DRILL BIT	131
01B512	#12 SST JOBBER DRILL	132	01D590	9.00MM SST DRILL BIT	131
01B513	#13 SST JOBBER DRILL	132	01D595	9.50MM SST DRILL BIT	131
01B514	#14 SST JOBBER DRILL	132	01D600	10.00MM SST DRILL BIT	131
01B515	#15 SST JOBBER DRILL	132	01D602	10.2MM SST DRILL BIT	131
01B516	#16 SST JOBBER DRILL	132	01D605	10.50MM SST DRILL BIT	131
01B517	#17 SST JOBBER DRILL	132	01D610	11.00MM SST DRILL BIT	131
01B518	#18 SST JOBBER DRILL	132	01D615	11.50MM SST DRILL BIT	131
01B519	#19 SST JOBBER DRILL	132	01D620	12.00MM SST DRILL BIT	131
01B520	#20 SST JOBBER DRILL	132	01D625	12.50MM SST DRILL BIT	131
01B521	#21 SST JOBBER DRILL	132	01D630	13.00MM SST DRILL BIT	131
01B522	#22 SST JOBBER DRILL	132	01E118	#29 SST QUICK SHANK DRILL SET	137
01B523	#23 SST JOBBER DRILL	132	01E178	#29 SST QCK SHANK DRILL SET/PLASTIC BOX	137
01B524	#24 SST JOBBER DRILL	132	01E239	#29 SST+ STUB SET W BOX HEX SHANK	137
01B525	#25 SST JOBBER DRILL	132	01E606	#15SST+ DRILL SET W BOX	137
01B526	#26 SST JOBBER DRILL	132	01E618	#29 SST DRILL SET W BOX	137
01B527	#27 SST JOBBER DRILL	132	01E619	1-60 SST DRILL SET C/W BOX	137
01B528	#28 SST JOBBER DRILL	132	01E621	#21SST+ DRILL SET W BOX	137
01B529	#29 SST JOBBER DRILL	132	01E625	#25 SST+ METRIC SET W BOX	137
01B530	#30 SST JOBBER DRILL	132	01E678	#29 SST DRILL SET/PLASTICBOX	137
01B531	#31 SST JOBBER DRILL	132	01E708	SST PRENTICE DRILL SET	137
01B532	#32 SST JOBBER DRILL	132	01E818	#29 SST DRILL SET(3/8")	137
01B533	#33 SST JOBBER DRILL	132	01H004	1/16 SST STUB DRILL	135
01B534	#34 SST JOBBER DRILL	132	01H005	5/64 SST STUB DRILL	135
01B535	#35 SST JOBBER DRILL	132	01H006	3/32 SST STUB DRILL	135
01B536	#36 SST JOBBER DRILL	132	01H007	7/64 SST STUB DRILL	135
01B537	#37 SST JOBBER DRILL	132	01H008	1/8 SST STUB DRILL	135
01B538	#38 SST JOBBER DRILL	132	01H009	9/64 SST STUB DRILL	135
01B539	#39 SST JOBBER DRILL	132	01H010	5/32 SST STUB DRILL	135
01B540	#40 SST JOBBER DRILL	132	01H011	11/64 SST STUB DRILL	135
01B541	#41 SST JOBBER DRILL	132	01H012	3/16 SST STUB DRILL	135
01B542	#42 SST JOBBER DRILL	132	01H013	13/64 SST STUB DRILL	135
01B543	#43 SST JOBBER DRILL	132	01H014	7/32 SST STUB DRILL	135
01B544	#44 SST JOBBER DRILL	132	01H015	15/64 SST STUB DRILL	135
01B545	#45 SST JOBBER DRILL	132	01H016	1/4 SST STUB DRILL	135
01B546	#46 SST JOBBER DRILL	132	01H017	17/64 SST STUB DRILL	135
01B547	#47 SST JOBBER DRILL	132	01H018	9/32 SST STUB DRILL	135
01B548	#48 SST JOBBER DRILL	132	01H019	19/64 SST STUB DRILL	135
01B549	#49 SST JOBBER DRILL	132	01H020	5/16 SST STUB DRILL	135
01B550	#50 SST JOBBER DRILL	132	01H021	21/64 SST STUB DRILL	135
01B551	#51 SST JOBBER DRILL	132	01H022	11/32 SST STUB DRILL	135
01B552	#52 SST JOBBER DRILL	132	01H023	23/64 SST STUB DRILL	135
01B553	#53 SST JOBBER DRILL	132	01H024	3/8 SST STUB DRILL	135
01B554	#54 SST JOBBER DRILL	132	01H025	25/64 SST STUB DRILL	135
01B555	#55 SST JOBBER DRILL	132	01H026	13/32 SST STUB DRILL	135
01B556	#56 SST JOBBER DRILL	132	01H027	27/64 SST STUB DRILL	135
01B557	#57 SST JOBBER DRILL	132	01H028	7/16 SST STUB DRILL	135
01B558	#58 SST JOBBER DRILL	132	01H029	29/64 SST STUB DRILL	135
01B559	#59 SST JOBBER DRILL	132	01H030	15/32 SST STUB DRILL	135
01B560	#60 SST JOBBER DRILL	132	01H031	31/64 SST STUB DRILL	135
01C506	LETTER "F" SST DRILL BIT	131	01H032	1/2 SST STUB DRILL	135
01C509	LETTER "*F" SST DRILL BIT	131	01H108	1/8 HEX SST STUB DRILL	134
01C517	LETTER "*Q" SST DRILL BIT	131	01H109	9/64 HEX SST STUB DRILL	134
01C521	LETTER "U" SST DRILL BIT	131	01H110	5/32 HEX SST STUB DRILL	134
01D510	1.0MM SST DRILL BIT	131	01H111	11/64 HEX SST STUB DRILL	134
01D515	1.50MM SST DRILL BIT	131	01H112	3/16 HEX SST STUB DRILL	134
01D520	2.00MM SST DRILL BIT	131	01H113	13/64 HEX SST STUB DRILL	134
01D525	2.50MM SST DRILL BIT	131	01H114	7/32 HEX SST STUB DRILL	134
01D530	3.00MM SST DRILL BIT	131	01H115	15/64 HEX SST STUB DRILL	134
01D533	3.30MM SST DRILL BIT	131	01H116	1/4 HEX SST STUB DRILL	134
01D535	3.5MM SST DRILL BIT	131	01H117	17/64 HEX SST STUB DRILL	134
01D540	4.00MM SST DRILL BIT	131	01H118	9/32 HEX SST STUB DRILL	134
01D542	4.20MM SST DRILL BIT	131	01H119	19/64 HEX SST STUB DRILL	134
01D545	4.50MM SST DRILL BIT	131	01H120	5/16 HEX SST STUB DRILL	134

Order No.	Description	Page
01H121	21/64 HEX SST STUB DRILL	134
01H122	11/32 HEX SST STUB DRILL	134
01H123	23/64 HEX SST STUB DRILL	134
01H124	3/8 SST STUB QCK SHANK	134
01H125	25/64 HEX SST STUB DRILL	134
01H126	13/32 HEX SST STUB DRILL	134
01H127	27/64 HEX SST STUB DRILL	134
01H128	7/16 HEX SST STUB DRILL	134
01H129	29/64 HEX SST STUB DRILL	134
01H130	15/32 HEX SST STUB DRILL	134
01H131	31/64 HEX SST STUB DRILL	134
01H132	1/2 HEX SST STUB DRILL	134
01J001	# 1 SST STUB DRILL	135
01J002	# 2 SST STUB DRILL	135
01J003	# 3 SST STUB DRILL	135
01J004	# 4 SST STUB DRILL	135
01J005	# 5 SST STUB DRILL	135
01J006	# 6 SST STUB DRILL	135
01J007	# 7 SST STUB DRILL	135
01J008	# 8 SST STUB DRILL	135
01J009	# 9 SST STUB DRILL	135
01J010	# 10 SST STUB DRILL	135
01J011	# 11 SST STUB DRILL	135
01J012	# 12 SST STUB DRILL	135
01J013	# 13 SST STUB DRILL	135
01J014	# 14 SST STUB DRILL	135
01J015	# 15 SST STUB DRILL	135
01J016	# 16 SST STUB DRILL	135
01J017	# 17 SST STUB DRILL	135
01J018	# 18 SST STUB DRILL	135
01J019	# 19 SST STUB DRILL	135
01J020	# 20 SST STUB DRILL	135
01J021	# 21 SST STUB DRILL	135
01J022	# 22 SST STUB DRILL	135
01J023	# 23 SST STUB DRILL	135
01J024	# 24 SST STUB DRILL	135
01J025	# 25 SST STUB DRILL	135
01J026	# 26 SST STUB DRILL	135
01J027	# 27 SST STUB DRILL	135
01J028	# 28 SST STUB DRILL	135
01J029	# 29 SST STUB DRILL	135
01J030	# 30 SST STUB DRILL	135
01J031	# 31 SST STUB DRILL	135
01J032	# 32 SST STUB DRILL	135
01J033	# 33 SST STUB DRILL	135
01J034	# 34 SST STUB DRILL	135
01J035	# 35 SST STUB DRILL	135
01J036	# 36 SST STUB DRILL	135
01J037	# 37 SST STUB DRILL	135
01J038	# 38 SST STUB DRILL	135
01J039	# 39 SST STUB DRILL	135
01J040	# 40 SST STUB DRILL	135
01K004	1/16 SST DOUBLE-END STUB DRILL	133
01K005	5/64 SST DOUBLE-END STUB DRILL	133
01K006	3/32 SST DOUBLE-END STUB DRILL	133
01K007	7/64 SST DOUBLE-END STUB DRILL	133
01K008	1/8 SST DOUBLE-END STUB DRILL	133
01K009	9/64 SST DOUBLE-END STUB DRILL	133
01K010	5/32 SST DOUBLE-END STUB DRILL	133
01K011	11/64 SST DOUBLE-END STUB DRILL	133
01K012	3/16 SST DOUBLE-END STUB DRILL	133
01K013	13/64 SST DOUBLE-END STUB DRILL	133
01K014	7/32 SST DOUBLE-END STUB DRILL	133
01K015	15/64 SST DOUBLE-END STUB DRILL	133
01K016	1/4 SST DOUBLE-END STUB DRILL	133
01K101	#1 SST DOUBLE-END STUB DRILL	133
01K110	#10 SST DOUBLE-END STUB DRILL	133
01K120	#20 SST DOUBLE-END STUB DRILL	133
01K130	#30 SST DOUBLE-END STUB DRILL	133
01K140	#40 SST DOUBLE-END STUB DRILL	133
01K151	#51 SST DOUBLE-END STUB DRILL	133
01K206	"F" SST DOUBLE-END STUB DRILL	133

Order No.	Description	Page
01M533	33/64 SST PRENTICE DRILL	136
01M534	17/32 SST PRENTICE DRILL	136
01M535	35/64 SST PRENTICE DRILL	136
01M536	9/16 SST PRENTICE DRILL	136
01M537	37/64 SST PRENTICE DRILL	136
01M538	19/32 SST PRENTICE DRILL	136
01M539	39/64 SST PRENTICE DRILL	136
01M540	5/8 SST PRENTICE DRILL	136
01M541	41/64 SST PRENTICE DRILL	136
01M542	21/32 SST PRENTICE DRILL	136
01M543	43/64 SST PRENTICE DRILL	136
01M544	11/16 SST PRENTICE DRILL	136
01M545	45/64 SST PRENTICE DRILL	136
01M546	23/32 SST PRENTICE DRILL	136
01M547	47/64 SST PRENTICE DRILL	136
01M548	3/4 SST PRENTICE DRILL	136
01M549	49/64 SST PRENTICE DRILL	136
01M550	25/32 SST PRENTICE DRILL	136
01M551	51/64 SST PRENTICE DRILL	136
01M552	13/16 SST PRENTICE DRILL	136
01M553	53/64 SST PRENTICE DRILL	136
01M554	27/32 SST PRENTICE DRILL	136
01M555	55/64 SST PRENTICE DRILL	136
01M556	7/8 SST PRENTICE DRILL	136
01M557	57/64 SST PRENTICE DRILL	136
01M558	29/32 SST PRENTICE DRILL	136
01M559	59/64 SST PRENTICE DRILL	136
01M560	15/16 SST PRENTICE DRILL	136
01M561	61/64 SST PRENTICE DRILL	136
01M562	31/32 SST PRENTICE DRILL	136
01M563	63/64 SST PRENTICE DRILL	136
01M600	1" SST PRENTICE DRILL	136
01M604	1-1/16 SST PRENTICE DRILL	136
01M608	1-1/8 SST PRENTICE DRILL	136
01M612	1-3/16 SST PRENTICE DRILL	136
01M616	1-1/4 SST PRENTICE DRILL	136
01M617	1 5/16 SST PRENTICE DRILL	136
01M618	1 3/8 SST PRENTICE DRILL	136
01M619	1 7/16 SST PRENTICE DRILL	136
01M620	1 1/2 SST PRENTICE DRILL	136
01P005	5/16" REAMER - 3/8" Shank	139
01P006	3/8" REAMER - 3/8" Shank	139
01P007	7/16" REAMER - 1/2" Shank	139
01P008	1/2" REAMER - 1/2" Shank	139
01P009	9/16" REAMER - 1/2" Shank	139
01P010	5/8" REAMER - 1/2" Shank	139
01P011	11/16" REAMER - 1/2" Shank	139
01P012	3/4" REAMER - 1/2" Shank	139
01P013	13/16" REAMER - 1/2" Shank	139
01P014	7/8" REAMER - 1/2" Shank	139
01P015	15/16" REAMER - 1/2" Shank	139
01P100	1" REAMER - 1/2" Shank	139
01P101	1-1/16" REAMER - 1/2" Shank	139
01P990	REAMER KIT - 3/8" to 1"(6 sizes, by 1/8)	139
01R225	25/64 SST DRILL BIT(3/8")	136
01R226	13/32 SST DRILL BIT(3/8")	136
01R227	27/64 SST DRILL BIT (3/8")	136
01R228	7/16 SST DRILL BIT (3/8")	136
01R229	29/64 SST DRILL BIT (3/8")	136
01R230	15/32 SST DRILL BIT (3/8")	136
01R231	31/64 SST DRILL BIT (3/8")	136
01R232	1/2 SST DRILL BIT (3/8")	136
01R234	17/32 SST DRILL BIT (3/8)	136
01R236	9/16 SST DRILL BIT (3/8)	136
01R240	5/8 SST DRILL BIT (3/8)	136
01U004	1/4"-82 DEG VP COUNTERSINK	140
01U005	5/16"-82 DEG VP COUNTERSINK	140
01U006	3/8"-82 DEG VP COUNTERSINK	140
01U008	1/2"-82 DEG VP COUNTERSINK	140
01U010	5/8"-82 DEG VP COUNTERSINK	140
01U012	3/4"-82 DEG VP COUNTERSINK	140
01U100	1"-82 DEG VP COUNTERSINK	140

Order No.	Description	Page	Order No.	Description	Page
01U400	WELDON SHANK COUNTERSINK 1"	140	01V072	WALTER CARBIDE BURR SN-4 DC	146
01U408	WELDON SHANK COUNTERSINK 1" 1/2	140	01V073	WALTER SC-7 CARBIDE BURR DC	146
01U500	WELDON SHANK COUNTERSINK 2"	140	01V601	WALTER CARBIDE BURR SA-1 DC L6	146
01U950	VP COUNTERSINK SET	140	01V602	WALTER CARBIDE BURR SA-3 DC L6	146
01V001	WALTER CARBIDE BURR SA-1 DC	146	01V604	WALTER CARBIDE BURR SA-5 DC L6	146
01V002	WALTER CARBIDE BURR SA-3 DC	146	01V605	WALTER CARBIDE BURR SC-1 DC -1	146
01V003	WALTER CARBIDE BURR SA-3 NF	145	01V606	WALTER CARBIDE BURR SC-3 DC L6	146
01V004	WALTER CARBIDE BURR SA-5 DC	146	01V607	WALTER CARBIDE BURR SC-5 DC L6	146
01V005	WALTER CARBIDE BURR SC-1 DC	146	01V609	WALTER CARBIDE BURR SD-1 DC L6	146
01V006	WALTER CARBIDE BURR SC-3 DC	146	01V610	WALTER CARBIDE BURR SD-3 DC L6	146
01V007	WALTER CARBIDE BURR SC-5 DC	146	01V613	WALTER CARBIDE BURR SG-5 DC L6	146
01V008	WALTER CARBIDE BURR SC-5 NF	145	01V614	WALTER CARBIDE BURR SF-3 DC L6	146
01V009	WALTER CARBIDE BURR SD-1 DC	146	01V615	WALTER CARBIDE BURR SF-5 DC L6	146
01V010	WALTER CARBIDE BURR SD-3 DC	146	01V626	WALTER CARBIDE BURR SD-5 DC L6	146
01V011	WALTER CARBIDE BURR SD-6 DC	146	01V631	WALTER CARBIDE BURR SL-3 DC L6	146
01V013	WALTER CARBIDE BURR SG-5 DC	146	01V641	WALTER CARBIDE BURR SF-1 DC L6	146
01V014	WALTER CARBIDE BURR SF-3 DC	146	01V644	WALTER CARBIDE BURR SG-1 DC L6	146
01V015	WALTER CARBIDE BURR SF-5 DC	146	01V646	WALTER CARBIDE BURR SG-3 DC L6	146
01V016	WALTER CARBIDE BURR SF-5 NF	145	01V652	WALTER CARBIDE BURR SL-5 DC L6	146
01V017	WALTER CARBIDE BURR SL-1 DC	146	01V990	WALTER CARBIDE BURR 5-PIECE KIT DC	145
01V018	WALTER CARBIDE BURR SM-5 DC	146	01V995	WALTER CARBIDE BURR 5-PIECE KIT NF	145
01V020	WALTER CARBIDE BURR SA-43 DC	145	01V996	WALTER CARBIDE BURR 10-PIECE KIT DC	145
01V021	WALTER CARBIDE BURR SD-42 DC	145	01W001	1/8-1/2 MULTI-STEP DRILL	138
01V022	WALTER CARBIDE BURR SF-42 DC	145	01W005	3/16-7/8 MULTI-STEP DRILL	138
01V023	WALTER CARBIDE BURR SG-44 DC	145	01W011	1/4-3/4 MULTI-STEP DRILL	138
01V024	WALTER CARBIDE BURR SL-42 DC	145	01W012	1/4-1 3/8 MULTI-STEP DRILL	138
01V025	WALTER CARBIDE BURR SM-42 DC	145	01W020	7/8 MULTI-STEP DRILL	138
01V026	WALTER CARBIDE BURR SD-5 DC	146	01W021	3/16"-1/2" MULTI-STEP DRILL	138
01V027	WALTER CARBIDE BURR SE-3 DC	146	01W029	1/4"-1" MULTI-STEP DRILL	138
01V028	WALTER CARBIDE BURR SE-5 DC	146	01W101	1/8-1/2 MULTI-STEP DRILL	138
01V029	WALTER CARBIDE BURR SH-3 DC	146	01W105	3/16-7/8 MULTI-STEP DRILL	138
01V030	WALTER CARBIDE BURR SH-5 DC	146	01W111	1/4-3/4 MULTI-STEP DRILL	138
01V031	WALTER CARBIDE BURR SL-3 DC	146	01W112	1/4-1 3/8 MULTI-STEP DRILL	138
01V032	WALTER CARBIDE BURR SL-4 DC	146	01W151	STEP DRILL REAMER-5/16" to 9/16"(5 step)	139
01V033	WALTER CARBIDE BURR SC-5	145	01W152	STEP DRILL REAMER-9/16" to 13/16"(5step)	139
01V034	WALTER CARBIDE BURR SF-5	145	01W153	STEP DRILL REAMER-13/16" 1-1/16"(5step)	139
01V035	WALTER CARBIDE BURR SL-4	145	01W951	MULTI-STEP DRILL SET	138
01V036	WALTER CARBIDE BURR SL-3 NF	145	01W955	STEP DRILL REAMER -5/16" 1-1/16"(3step)	139
01V037	WALTER CARBIDE BURR SA-2 DC	146	02C010	1/16NPT CARB PIPE TAPS	143
01V038	WALTER CARBIDE BURR SA-4 DC	146	02C020	1/8NPT CARB PIPE TAPS	143
01V039	WALTER CARBIDE BURR SC-2 DC	146	02C040	1/4NPT CARB PIPE TAPS	143
01V040	WALTER CARBIDE BURR SC-4 DC	146	02C060	3/8NPT CARB PIPE TAPS	143
01V041	WALTER CARBIDE BURR SF-1 DC	146	02C080	1/2NPT CARB PIPE TAPS	143
01V042	WALTER CARBIDE BURR SF-2 DC	146	02C120	3/4NPT CARB PIPE TAPS	143
01V043	WALTER CARBIDE BURR SF-42 DC	146	02C160	1 NPT CARB PIPE TAPS	143
01V044	WALTER CARBIDE BURR SG-1 DC	146	02C200	1-1/4NPT CARB PIPE TAPS	143
01V045	WALTER CARBIDE BURR SG-2 DC	146	02C240	1-1/2NPT CARB PIPE TAPS	143
01V046	WALTER CARBIDE BURR SG-3 DC	146	02C320	2 NPT CARB PIPE TAPS	143
01V047	WALTER CARBIDE BURR SM-1 DC	146	02C500	TAPER PIPE TAP SET	143
01V048	WALTER CARBIDE BURR SM-2 DC	146	02W010	#1 TAP WRENCHES	143
01V049	WALTER CARBIDE BURR SM-3 DC	146	02W015	#1-1/2 TAP WRENCHES	143
01V050	WALTER CARBIDE BURR SM-4 DC	146	02W030	#3 TAP WRENCHES	143
01V051	WALTER CARBIDE BURR SL-2 DC	146	02W040	#4 TAP WRENCHES	143
01V052	WALTER CARBIDE BURR SL-5 DC	146	02W100	#1 T-HANDLE TAPWRENCH	143
01V054	WALTER CARBIDE BURR SA-5 NF	145	02W200	#2 T-HANDLE TAPWRENCH	143
01V055	WALTER CARBIDE BURR SA-6 DC	146	03A041	4-40 NC TAPER HS TAPS	142
01V056	WALTER CARBIDE BURR SB-1 DC	146	03A042	4-40 NC PLUG HS TAPS	141
01V057	WALTER CARBIDE BURR SB-3 DC	146	03A043	4-40NC BOTT HS TAPS	141
01V058	WALTER CARBIDE BURR SB-3 NF	145	03A051	5-40NC TAPER HS TAPS	141
01V059	WALTER CARBIDE BURR SB-5 DC	146	03A052	5-40NC PLUG HS TAPS	141
01V060	WALTER CARBIDE BURR SC-1 NF	145	03A053	5-40NC BOTT HS TAPS	141
01V061	WALTER CARBIDE BURR SC-3 NF	145	03A061	6-32NC TAPER HS TAPS	141
01V062	WALTER CARBIDE BURR SC-6 DC	146	03A062	6-32NC PLUG HS TAPS	141
01V063	WALTER CARBIDE BURR SD-5 NF	145	03A063	6-32NC BOTT HS TAPS	141
01V064	WALTER CARBIDE BURR SE-5 NF	145	03A081	8-32NC TAPER HS TAPS	141
01V065	WALTER CARBIDE BURR SF-3 NF	145	03A082	8-32NC PLUG HS TAPS	141
01V066	WALTER CARBIDE BURR SF-6 DC	146	03A083	8-32NC BOTT HS TAPS	141
01V067	WALTER CARBIDE BURR SK-3 DC	146	03A101	10-24NC TAPER HS TAPS	141
01V068	WALTER CARBIDE BURR SK-5 DC	146	03A102	10-24NC PLUG HS TAPS	141
01V069	WALTER CARBIDE BURR SL-4 NF	145	03A103	10-24NC BOTT HS TAPS	141
01V070	WALTER CARBIDE BURR SN-1 DC	146	03A104	10-32NF TAPER HS TAPS	141
01V071	WALTER CARBIDE BURR SN-2 DC	146	03A105	10-32NF PLUG HS TAPS	141

Order No.	Description	Page	Order No.	Description	Page
03A106	10-32NF BOTT HS TAPS	141	03B541	1/4-20 UNC SST POWER TAP	141
03A121	12-24NC TAPER HS TAPS	141	03B544	1/4-28 UNF SST POWER TAP	141
03A122	12-24NC PLUG HS TAPS	141	03B551	5/16-18 UNC SST POWER TAP	141
03A123	12-24NC BOTT HS TAPS	141	03B554	5/16-24 UNF SST POWER TAP	141
03A561	6-32 UNC SST POWER TAP	141	03B561	3/8-16 UNC SST POWER TAP	141
03A564	6-40 UNF SST POWER TAP	141	03B564	3/8-24 UNF SST POWER TAP	141
03A581	8-32 UNC SST POWER TAP	141	03B571	7/16-14 UNC SST POWER TAP	141
03A584	8-36 UNF SST POWER TAP	141	03B574	7/16-20 UNF SST POWER TAP	141
03A601	10-24 UNC SST POWER TAP	141	03B581	1/2-13 UNC SST POWER TAP	141
03A604	10-32 UNF SST POWER TAP	141	03B584	1/2-20 UNF SST POWER TAP	141
03A621	12-24 UNC SST POWER TAP	141	03B591	9/16-12 UNC SST POWER TAP	141
03A624	12-28 UNF SST POWER TAP	141	03B594	9/16-18 UNF SST POWER TAP	141
03B041	1/4-20NC TAPER HS TAPS	142	03B601	5/8-11 UNC SST POWER TAP	141
03B042	1/4-20NC PLUG HS TAPS	142	03B604	5/8-18 UNF SST POWER TAP	141
03B043	1/4-20NC BOTT HS TAPS	142	03B621	3/4-10 UNC SST POWER TAP	141
03B044	1/4-28NF TAPER HS TAPS	142	03B624	3/4-16 UNF SST POWER TAP	141
03B045	1/4-28NF PLUG HS TAPS	142	03B641	7/8-9 UNC SST POWER TAP	141
03B046	1/4-28NF BOTT HS TAPS	142	03B644	7/8-14 UNF SST POWER TAP	141
03B051	5/16-18NC TAPER HS TAPS	142	03B661	1-8 UNC SST POWER TAP	141
03B052	5/16-18NC PLUG HS TAPS	142	03B664	1-12 UNF SST POWER TAP	141
03B053	5/16-18NC BOTT HS TAPS	142	03B952	10 PCS SST PWR TAP/SST DRILL SET	141
03B054	5/16-24NF TAPER HS TAPS	142	03B953	18 PCS SST PWR TAP/ NC & SST DRILL SET	141
03B055	5/16-24NF PLUG HS TAPS	142	03B954	18 PCS SST PWR TAP/ NF & SST DRILL SET	141
03B056	5/16-24NF BOTT HS TAPS	142	03D031	3.0MM TAPER HS TAPS	142
03B061	3/8-16NC TAPER HS TAPS	142	03D036	3.5MM TAPER HS TAPS	142
03B062	3/8-16NC PLUG HS TAPS	142	03D041	4.0MM TAPER HS TAPS	142
03B063	3/8-16NC BOTT HS TAPS	142	03D051	5.0MM TAPER HS TAPS	142
03B064	3/8-24NF TAPER HS TAP	142	03D061	6.0MM TAPER HS TAPS	142
03B065	3/8-24NF PLUG HS TAPS	142	03D081	8.0MM TAPER HS TAPS	142
03B066	3/8-24NF BOTT HS TAPS	142	03D101	10.0MM TAPER HS TAPS	142
03B071	7/16-14NC TAPER HS TAPS	142	03D121	12.0MM TAPER HS TAPS	142
03B072	7/16-14NC PLUG HS TAPS	142	04A254	2-1/2" FLAP DISC - GR40	113
03B073	7/16-14NC BOTT HS TAPS	142	04A254V	2-1/2" FLAP DISC - GR40-PKG 5	251
03B074	7/16-20NF TAPER HS TAPS	142	04A256	2-1/2" FLAP DISC - GR60	113
03B075	7/16-20NF PLUG HS TAPS	142	04A256V	2-1/2" FLAP DISC - GR60-PKG 5	251
03B076	7/16-20NF BOTT HS TAPS	142	04A258	2-1/2" FLAP DISC - GR80	113
03B081	1/2-13NC TAPER HS TAPS	142	04A258V	2-1/2" FLAP DISC - GR80-PKG 5	251
03B082	1/2-13NC PLUG HS TAPS	142	04A262	2-1/2" FLAP DISC - GR120	113
03B083	1/2-13NC BOTT HS TAPS	142	04A262V	2-1/2" FLAP DISC - GR120-PKG 5	251
03B084	1/2-20NF TAPER HS TAPS	142	04C203	2" TWIST COOLCUT XX - GR 36	114
03B085	1/2-20NF PLUG HS TAPS	142	04C203V	2" TWIST COOLCUT XX - GR 36-PKG 5	251
03B086	1/2-20NF BOTT HS TAPS	142	04C205	2" TWIST COOLCUT XX - GR 50	114
03B091	9/16-12NC TAPER HS TAPS	142	04C205V	2" TWIST COOLCUT XX - GR 50-PKG 5	251
03B092	9/16-12NC PLUG HS TAPS	142	04C206	2" TWIST COOLCUT XX - GR 60	114
03B093	9/16-12NC BOTT HS TAPS	142	04C206V	2" TWIST COOLCUT XX - GR 60-PKG 5	251
03B094	9/16-18NF TAPER HS TAPS	142	04C208	2" TWIST COOLCUT XX - GR 80	114
03B095	9/16-18NF PLUG HS TAPS	142	04C208V	2" TWIST COOLCUT XX - GR 80-PKG 5	251
03B096	9/16-18NF BOTT HS TAPS	142	04C212	2" TWIST COOLCUT XX - GR 120	114
03B101	5/8-11NC TAPER HS TAPS	142	04C212V	2" TWIST COOLCUT XX - GR 120-PKG 5	251
03B102	5/8-11NC PLUG HS TAPS	142	04C303	3" TWIST COOLCUT XX - GR 36	114
03B103	5/8-11NC BOTT HS TAPS	142	04C303V	3" TWIST COOLCUT XX - GR 36-PKG 5	251
03B104	5/8-18NF TAPER HS TAPS	142	04C305	3" TWIST COOLCUT XX - GR 50	114
03B105	5/8-18NF PLUG HS TAPS	142	04C305V	3" TWIST COOLCUT XX - GR 50-PKG 5	251
03B106	5/8-18NF BOTT HS TAPS	142	04C306	3" TWIST COOLCUT XX - GR 60	114
03B121	3/4-10NC TAPER HS TAPS	142	04C306V	3" TWIST COOLCUT XX - GR 60-PKG 5	251
03B122	3/4-10NC PLUG HS TAPS	142	04C308	3" TWIST COOLCUT XX - GR 80	114
03B123	3/4-10NC BOTT HS TAPS	142	04C308V	3" TWIST COOLCUT XX - GR 80-PKG 5	251
03B124	3/4-16NF TAPER HS TAPS	142	04C312	3" TWIST COOLCUT XX - GR 120	114
03B125	3/4-16NF PLUG HS TAPS	142	04C312V	3" TWIST COOLCUT XX - GR 120-PKG 5	251
03B126	3/4-16NF BOTT HS TAPS	142	04D203	2" TOPCUT DISC - GR 36	114
03B141	7/8-9NC TAPER HS TAPS	142	04D203V	2" TOPCUT DISC - GR 36-PKG 5	251
03B142	7/8-9NC PLUG HS TAPS	142	04D205	2" TOPCUT DISC - GR 50	114
03B143	7/8-9NC BOTT HS TAPS	142	04D205V	2" TOPCUT DISC - GR 50-PKG 5	251
03B144	7/8-14NF TAPER HS TAPS	142	04D206	2" TOPCUT DISC - GR 60	114
03B145	7/8-14NF PLUG HS TAPS	142	04D206V	2" TOPCUT DISC - GR 60-PKG 5	251
03B146	7/8-14NF BOTT HS TAPS	142	04D208	2" TOPCUT DISC - GR 80	114
03B161	1-8NC TAPER HS TAPS	142	04D208V	2" TOPCUT DISC - GR 80-PKG 5	251
03B162	1-8NC PLUG HS TAPS	142	04D210	2" TOPCUT DISC - GR 100	114
03B163	1-8NC BOTT HS TAPS	142	04D210V	2" TOPCUT DISC - GR 100-PKG 5	251
03B164	1-12NF TAPER HS TAPS	142	04D212	2" TOPCUT DISC - GR 120	114
03B165	1-12NF PLUG HS TAPS	142	04D212V	2" TOPCUT DISC - GR 120-PKG 5	251
03B166	1-12NF BOTT HS TAPS	142	04D303	3" TOPCUT DISC - GR 36	114

Order No.	Description	Page	Order No.	Description	Page
04D303V	3" TOPCUT DISC - GR 36-PKG 5	251	05A201	2"X 1/16x 1 SST CORECUT	148
04D305	3" TOPCUT DISC - GR 50	114	05A202	2"X 1/8x 1 SST CORECUT	148
04D305V	3" TOPCUT DISC - GR 50-PKG 5	251	05A308	1/2 X 2 SST CORECUT	148
04D306	3" TOPCUT DISC - GR 60	114	05A309	9/16X2 SST CORECUT	148
04D306V	3" TOPCUT DISC - GR 60-PKG 5	251	05A310	5/8X2 SST CORECUT	148
04D308	3" TOPCUT DISC - GR 80	114	05A311	11/16X2 SST CORECUT	148
04D308V	3" TOPCUT DISC - GR 80-PKG 5	251	05A312	3/4X2 SST CORECUT	148
04D310	3" TOPCUT DISC - GR 100	114	05A313	13/16X2 SST CORECUT	148
04D310V	3" TOPCUT DISC - GR 100-PKG 5	251	05A314	7/8X2 SST CORECUT	148
04D312	3" TOPCUT DISC - GR 120	114	05A315	15/16X2 SST CORECUT	148
04D312V	3" TOPCUT DISC - GR 120-PKG 5	251	05A400	1"X2 SST CORECUT	148
04G202	2" BLENDEX TWIST - COARSE	114	05A401	1-1/16X2 SST CORECUT	148
04G202V	2" BLENDEX TWIST - COARSE-PKG 5	252	05A402	1-1/8X2 SST CORECUT	148
04G203	2" BLENDEX TWIST - MED	114	05A403	1-3/16X2 SST CORECUT	148
04G203V	2" BLENDEX TWIST - MED-PKG 5	252	05A404	1-1/4X2 SST CORECUT	148
04G204	2" BLENDEX TWIST - FINE	114	05A405	1-5/16X2 SST CORECUT	148
04G204V	2" BLENDEX TWIST - FINE-PKG 5	252	05A406	1-3/8X2 SST CORECUT	148
04G205	2" BLENDEX TWIST - S. FINE	114	05A407	1-7/16X2 SST CORECUT	148
04G205V	2" BLENDEX TWIST - S. FINE-PKG 5	252	05A408	1-1/2X2 SST CORECUT	148
04G302	3" BLENDEX TWIST - COARSE	114	05A409	1-9/16X2 SST CORECUT	148
04G302V	3" BLENDEX TWIST - COARSE-PKG 5	252	05A410	1-5/8X2 SST CORECUT	148
04G303	3" BLENDEX TWIST - MED	114	05A412	1-3/4X2 SST CORECUT	148
04G303V	3" BLENDEX TWIST - MED-PKG 5	252	05A413	1-13/16X2 SST CORECUT	148
04G304	3" BLENDEX TWIST - FINE	114	05A414	1-7/8X2 SST CORECUT	148
04G304V	3" BLENDEX TWIST - FINE-PKG 5	252	05A415	1-15/16X2 SST CORECUT	148
04G305	3" BLENDEX TWIST - S. FINE	114	05A500	2"X2 SST CORECUT	148
04G305V	3" BLENDEX TWIST - S. FINE-PKG 5	252	05A501	2 1/16" x 2" SST ICECUT	148
04L200	2" FX DISC	115	05A502	2 1/8" x 2" ICECUT	148
04L200V	2" FX DISC-PKG 5	252	05A503	2 3/16 X 2 SST CORECUT	148
04L300	3" FX DISC	115	05A504	2 1/4 X 2 SST CORECUT	148
04L300V	3" FX DISC-PKG 5	252	05A505	2 5/16 X 2 SST CORECUT	148
04T204	TWIST FELT DISC	115	05A506	2 3/8 X 2 SST CORECUT	148
04T204V	2" TWIST FELT DISC-PKG 5	252	05A611	11/16" x 3" SST CORECUT	148
04T304	TWIST FELT DISC	115	05A613	13/16" x 3" SST CORECUT	148
04T304V	3" TWIST FELT DISC-PKG 5	252	05A615	15/16" x 3" SST CORECUT	148
04U321	3" BLENDEX U TWIST-2SF	115	05A701	1-1/16" x 3" SST CORECUT	148
04U321V	3" BLENDEX U TWIST-2SF-PKG 5	252	05A991	SST CORE CUT WELDON. SHANK 1" CUTTER KIT	148
04U322	3" BLENDEX U TWIST-6SF	115	05A992	SST CORE CUT WELDON. SHANK 2" CUTTER KIT	148
04U322V	3" BLENDEX U TWIST-6SF-PKG 5	252	05B008	1/2 X 1 ICECUT	149
04U323	3" BLENDEX U TWIST-6AM	115	05B009	9/16X1 ICECUT	149
04U323V	3" BLENDEX U TWIST-6AM-PKG 5	252	05B010	5/8X1 ICECUT	149
04X001	1/4"-20 SHAFT/TWIST	241	05B011	11/16X1 ICECUT	149
04X202	2" BACKING PAD - MED	113	05B012	3/4X1 ICECUT	149
04X203	2" BACKING PAD - HARD	113	05B013	13/16X1 ICECUT	149
04X302	3" BACKING PAD - MED	113	05B014	7/8X1 ICECUT	149
04X303	3" BACKING PAD - HARD	113	05B015	15/16X1 ICECUT	149
04Z992	TWIST STARTER KIT 2"	115	05B100	1"X1 ICECUT	149
04Z993	TWIST STARTER KIT 3"	115	05B101	1-1/16X1 ICECUT	149
05A008	1/2 X 1 SST CORECUT	148	05B102	1-1/8X1 ICECUT	149
05A009	9/16X1 SST CORECUT	148	05B103	1-3/16X1 ICECUT	149
05A010	5/8X1 SST CORECUT	148	05B104	1-1/4X1 ICECUT	149
05A011	11/16 X 1 SST CORECUT	148	05B105	1-5/16X1 ICECUT	149
05A012	3/4X1 SST CORECUT	148	05B106	1-3/8X1 ICECUT	149
05A013	13/16X1 SST CORECUT	148	05B107	1-7/16X1 ICECUT	149
05A014	7/8X1 SST CORECUT	148	05B108	1-1/2X1 ICECUT	149
05A015	15/16X1 SST CORECUT	148	05B109	1-9/16X1 ICECUT	149
05A100	1"X1 SST CORECUT	148	05B110	1-5/8X1 ICECUT	149
05A101	1-1/16X1 SST CORECUT	148	05B112	1-3/4X1 ICECUT	149
05A102	1-1/8X1 SST CORECUT	148	05B113	1-13/16X1 ICECUT	149
05A103	1-3/16X1 SST CORECUT	148	05B114	1-7/8X1 ICECUT	149
05A104	1-1/4X1 SST CORECUT	148	05B115	1-15/16X1 ICECUT	149
05A105	1-5/16X1 SST CORECUT	148	05B200	2"X1 ICECUT	149
05A106	1-3/8X1 SST CORECUT	148	05B201	2 1/16 X 1 ICECUT	149
05A107	1-7/16X1 SST CORECUT	148	05B202	2 1/8 X 1 ICECUT	149
05A108	1-1/2X1 SST CORECUT	148	05B308	1/2 X 2 ICECUT	149
05A109	1-9/16X1 SST CORECUT	148	05B309	9/16X2 ICECUT	149
05A110	1-5/8X1 SST CORECUT	148	05B310	5/8X2 ICECUT	149
05A112	1-3/4X1 SST CORECUT	148	05B311	11/16X2 ICECUT	149
05A113	1 13/16 x 1 SST CORECUT	148	05B312	3/4X2 ICECUT	149
05A114	1-7/8X1 SST CORECUT	148	05B313	13/16X2 ICECUT	149
05A115	1-15/16X1 SST CORECUT	148	05B314	7/8X2 ICECUT	149
05A200	2"X1 SST CORECUT	148	05B315	15/16X2 ICECUT	149

Order No.	Description	Page
05B400	1"X2 ICECUT	149
05B401	1-1/16X2 ICECUT	149
05B402	1-1/8X2 ICECUT	149
05B403	1-3/16X2 ICECUT	149
05B404	1-1/4X2 ICECUT	149
05B405	1-5/16X2 ICECUT	149
05B406	1-3/8X2 ICECUT	149
05B407	1-7/16X2 ICECUT	149
05B408	1-1/2X2 ICECUT	149
05B409	1-9/16X2 ICECUT	149
05B410	1-5/8X2 ICECUT	149
05B412	1-3/4X2 ICECUT	149
05B413	1-13/16X2 ICECUT	149
05B414	1-7/8X2 ICECUT	149
05B415	1-15/16X2 ICECUT	149
05B500	2"X2 ICECUT	149
05B501	2 1/16" x 2" ICECUT	149
05B502	2 1/8" x 2" ICECUT	149
05B503	2 3/16 X 2 ICECUT	149
05B504	2 1/4X 2 ICECUT	149
05B505	2 5/16 X 2 ICECUT	149
05B506	2 3/8 X 2 ICECUT	149
05B611	11/16" X 3" ICECUT	149
05B613	13/16" X 3" ICECUT	149
05B615	15/16" X 3" ICECUT	149
05B701	1-1/16" X 3" ICECUT	149
05B811	11/16" X 4" ICECUT	149
05B813	13/16" X 4" ICECUT	149
05B815	15/16" X 4" ICECUT	149
05B901	1-1/16" X 4" ICECUT	149
05B991	ICECUT WELDON SHANK 1" CUTTER KIT	149
05B992	ICECUT WELDON SHANK 2" CUTTER KIT	149
05D008	1/2 X 1.5 CARBIDE CORE CUT	150
05D009	9/16X1.5 CARBIDE CORE CUT	150
05D010	5/8X1.5 CARBIDE CORE CUT	150
05D011	11/16X1.5 CARBIDE CORE CUT	150
05D012	3/4X1.5 CARBIDE CORE CUT	150
05D013	13/16 X 1.5 CARBIDE CORE CUT	150
05D014	7/8 X 1.5 CARBIDE CORE CUT	150
05D015	15/16 X 1.5 CARBIDE CORE CUT	150
05D100	1" X 1.5 CARBIDE CORE CUT	150
05D101	1-1/16X1.5 CARBIDE CORE CUT	150
05D102	1-1/8X1.5 CARBIDE CORE CUT	150
05D103	1-3/16X1.5 CARBIDE CORE CUT	150
05D104	1-1/4X1.5 CARBIDE CORE CUT	150
05D105	1-5/16X1.5 CARBIDE CORE CUT	150
05D106	1-3/8X1.5 CARBIDE CORE CUT	150
05D107	1-7/16X1.5 CARBIDE CORE CUT	150
05D108	1-1/2X1.5 CARBIDE CORE CUT	150
05D109	1-9/16X1.5 CARBIDE CORE CUT	150
05D110	1-5/8X1.5 CARBIDE CORE CUT	150
05D112	1-3/4X1.5 CARBIDE CORE CUT	150
05D113	1-13/16X1.5 CARBIDE CORE CUT	150
05D114	1-7/8X1.5 CARBIDE CORE CUT	150
05D115	1-15/16X1.5 CARBIDE CORE CUT	150
05D200	2"X1.5 CARBIDE CORE CUT	150
05D201	2 1/16 X 1.5 CARBIDE CORE CUT	150
05D202	2 1/8 X 1.5 CARBIDE CORE CUT	150
05D308	1/2 X 2 CARBIDE CORE CUT	150
05D309	9/16X2 CARBIDE CORE CUT	150
05D310	5/8X2 CARBIDE CORE CUT	150
05D311	11/16X2 CARBIDE CORE CUT	150
05D312	3/4X2 CARBIDE CORE CUT	150
05D313	13/16X2 CARBIDE CORE CUT	150
05D314	7/8X2 CARBIDE CORE CUT	150
05D315	15/16X2 CARBIDE CORE CUT	150
05D400	1"X2 CARBIDE CORECUT	150
05D401	1-1/16X2 CARBIDE CORE CUT	150
05D402	1-1/8X2 CARBIDE CORE CUT	150
05D403	1-3/16X2 CARBIDE CORE CUT	150
05D404	1-1/4X2 CARBIDE CORE CUT	150
05D405	1-5/16X2 CARBIDE CORE CUT	150

Order No.	Description	Page
05D406	1-3/8X2 CARBIDE CORE CUT	150
05D407	1-7/16X2 CARBIDE CORE CUT	150
05D408	1-1/2X2 CARBIDE CORE CUT	150
05D409	1-9/16X2 CARBIDE CORE CUT	150
05D410	1-5/8X2 CARBIDE CORE CUT	150
05D412	1-3/4X2 CARBIDE CORE CUT	150
05D413	1-13/16X2 CARBIDE CORE CUT	150
05D414	1-7/8X2 CARBIDE CORE CUT	150
05D415	1-15/16X2 CARBIDE CORE CUT	150
05D500	2"X2 CARBIDE CORE CUT	150
05D501	2 1/16 X2 CARBIDE CORE CUT	150
05D502	2 1/8 X 2 CARBIDE CORE CUT	150
05D503	2 3/16 X 2 CARBIDE CORE CUT	150
05D504	2 1/4X 2 CARBIDE CORE CUT	150
05D505	2 5/16 X 2 CARBIDE CORE CUT	150
05D506	2 3/8 X 2 CARBIDE CORE CUT	150
05D507	2-7/16" X 2" CARBIDE CORE CUT	150
05D508	2-1/2" X 2" CARBIDE CORE CUT	150
05D509	2-9/16" X 2" CARBIDE CORE CUT	150
05D510	2-5/8" X 2" CARBIDE CORE CUT	150
05D512	2-3/4" X 2" CARBIDE CORE CUT	150
05D514	2-7/8" X 2" CARBIDE CORE CUT	150
05D518	2-1/2" X 1-1/2" CARBIDE CORE CUT - 3/4"	150
05D532	3" X 2" CARBIDE CORE CUT	150
05D536	3-1/4" X 2" CARBIDE CORE CUT	150
05D540	3-1/2" X 2" CARBIDE CORE CUT	150
05D544	3-3/4" X 2" CARBIDE CORE CUT	150
05D548	4" X 2" CARBIDE CORE CUT	150
05D613	13/16" X 3" CARBIDE CORE CUT	150
05D615	15/16" X 3" CARBIDE CORE CUT	150
05D700	1X3" CARBIDE CORE CUT ANNULAR CUTTER	150
05D701	1-1/16" X 3" CARBIDE CORE CUT	150
05D716	2" X 3" CARBIDE CORE CUT	150
05D720	2-1/4" X 3" CARBIDE CORE CUT	150
05D724	2-1/2" X 3" CARBIDE CORE CUT	150
05D725	2-9/16" X 3" CARBIDE CORE CUT	150
05D728	2-3/4" X 3" CARBIDE CORE CUT	150
05D732	3" X 3" CARBIDE CORE CUT	150
05D736	3-1/4" X 3" CARBIDE CORE CUT	150
05D740	3-1/2" X 3" CARBIDE CORE CUT	150
05D744	3-3/4" X 3" CARBIDE CORE CUT	150
05D748	4" X 3" CARBIDE CORE CUT	150
05D812	3/4" X 4" CARBIDE CORE CUT	150
05D813	13/16" X 4" CARBIDE CORE CUT	150
05D815	15/16" X 4" CARBIDE CORE CUT	150
05D900	1X4" CARBIDE CORE CUT ANNULAR CUTTER	150
05D901	1-1/16" X 4" CARBIDE CORE CUT	150
05D916	2" X 4" CARBIDE CORE CUT	150
05D920	2-1/4" X 4" CARBIDE CORE CUT	150
05D924	2-1/2" X 4" CARBIDE CORE CUT	150
05D925	2-9/16" X 4" CARBIDE CORE CUT	150
05D991	CARBIDE CORE CUT WELDON SHANK 1-3/8" KIT	150
05D992	CARBIDE CORE CUT WELDON SHANK 2" CUT.KIT	150
05E007	7/16" X 1" DEPTH SST CORECUT UNIV. SHANK	148
05E008	1/2" X 1" DEPTH SST CORECUT UNIV. SHANK	148
05E009	9/16" X 1" DEPTH SST CORECUT UNIV. SHANK	148
05E010	5/8" X 1" DEPTH SST CORECUT UNIV. SHANK	148
05E011	11/16"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E012	3/4" X 1" DEPTH SST CORECUT UNIV. SHANK	148
05E013	13/16"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E014	7/8" X 1" DEPTH SST CORECUT UNIV. SHANK	148
05E015	15/16"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E100	1" X 1" DEPTH SST CORECUT UNIV. SHANK	148
05E101	1-1/16"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E102	1-1/8"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E103	1-3/16"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E104	1-1/4"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E105	1-5/16"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E106	1-3/8"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E107	1-7/16"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E108	1-1/2"X1" DEPTH SST CORECUT UNIV. SHANK	148
05E307	7/16" X 2" DEPTH SST CORECUT UNIV. SHANK	148

Order No.	Description	Page	Order No.	Description	Page
05E308	1/2" X 2" DEPTH SST CORECUT UNIV. SHANK	148	05F147	47MM X 30MM CARBIDE CORE CUT	150
05E309	9/16" X 2" DEPTH SST CORECUT UNIV. SHANK	148	05F148	48MM X 30MM CARBIDE CORE CUT	150
05E310	5/8" X 2" DEPTH SST CORECUT UNIV. SHANK	148	05F149	49MM X 30MM CARBIDE CORE CUT	150
05E311	11/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F150	50MM X 30MM CARBIDE CORE CUT	150
05E312	3/4"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F151	51MM X 30MM CARBIDE CORE CUT	150
05E313	13/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F212	12MM X 55MM CARBIDE CORE CUT	150
05E314	7/8"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F213	13MM X 55MM CARBIDE CORE CUT	150
05E315	15/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F214	14MM X 55MM CARBIDE CORE CUT	150
05E400	1" X 2" DEPTH SST CORECUT UNIV. SHANK	148	05F215	15MM X 55MM CARBIDE CORE CUT	150
05E401	1-1/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F216	16MM X 55MM CARBIDE CORE CUT	150
05E402	1-1/8"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F217	17MM X 55MM CARBIDE CORE CUT	150
05E403	1-3/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F218	18MM X 55MM CARBIDE CORE CUT	150
05E404	1-1/4"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F219	19MM X 55MM CARBIDE CORE CUT	150
05E405	1-5/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F220	20MM X 55MM CARBIDE CORE CUT	150
05E406	1-3/8"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F221	21MM X 55MM CARBIDE CORE CUT	150
05E407	1-7/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F222	22MM X 55MM CARBIDE CORE CUT	150
05E408	1-1/2"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F223	23MM X 55MM CARBIDE CORE CUT	150
05E409	1-9/16"X2" DEPTH SST CORECUT UNIV. SHANK	148	05F224	24MM X 55MM CARBIDE CORE CUT	150
05E991	SST CORE CUT UNIV. SHANK 1" CUTTER KIT	148	05F225	25MM X 55MM CARBIDE CORE CUT	150
05F007	7/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F226	26MM X 55MM CARBIDE CORE CUT	150
05F008	1/2" X 1" DEPTH ICECUT UNIV. SHANK	149	05F227	27MM X 55MM CARBIDE CORE CUT	150
05F009	9/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F228	28MM X 55MM CARBIDE CORE CUT	150
05F010	5/8" X 1" DEPTH ICECUT UNIV. SHANK	149	05F229	29MM X 55MM CARBIDE CORE CUT	150
05F011	11/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F230	30MM X 55MM CARBIDE CORE CUT	150
05F012	3/4" X 1" DEPTH ICECUT UNIV. SHANK	149	05F231	31MM X 55MM CARBIDE CORE CUT	150
05F013	13/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F232	32MM X 55MM CARBIDE CORE CUT	150
05F014	7/8" X 1" DEPTH ICECUT UNIV. SHANK	149	05F233	33MM X 55MM CARBIDE CORE CUT	150
05F015	15/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F234	34MM X 55MM CARBIDE CORE CUT	150
05F100	1" X 1" DEPTH ICECUT UNIV. SHANK	149	05F235	35MM X 55MM CARBIDE CORE CUT	150
05F101	1-1/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F236	36MM X 55MM CARBIDE CORE CUT	150
05F102	1-1/8" X 1" DEPTH ICECUT UNIV. SHANK	149	05F237	37MM X 55MM CARBIDE CORE CUT	150
05F103	1-3/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F238	38MM X 55MM CARBIDE CORE CUT	150
05F104	1-1/4" X 1" DEPTH ICECUT UNIV. SHANK	149	05F239	39MM X 55MM CARBIDE CORE CUT	150
05F105	1-5/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F240	40MM X 55MM CARBIDE CORE CUT	150
05F106	1-3/8" X 1" DEPTH ICECUT UNIV. SHANK	149	05F241	41MM X 55MM CARBIDE CORE CUT	150
05F107	1-7/16" X 1" DEPTH ICECUT UNIV. SHANK	149	05F242	42MM X 55MM CARBIDE CORE CUT	150
05F108	1-1/2" X 1" DEPTH ICECUT UNIV. SHANK	149	05F243	43MM X 55MM CARBIDE CORE CUT	150
05F112	12MM X30MM CARBIDE CORE CUT	150	05F244	44MM X 55MM CARBIDE CORE CUT	150
05F113	13MM X 30MM CARBIDE CORE CUT	150	05F245	45MM X 55MM CARBIDE CORE CUT	150
05F114	14MM X 30MM CARBIDE CORE CUT	150	05F246	46MM X 55MM CARBIDE CORE CUT	150
05F115	15MM X 30MM CARBIDE CORE CUT	150	05F247	47MM X 55MM CARBIDE CORE CUT	150
05F116	16MM X 30MM CARBIDE CORE CUT	150	05F248	48MM X 55MM CARBIDE CORE CUT	150
05F117	17MM X 30MM CARBIDE CORE CUT	150	05F249	49MM X 55MM CARBIDE CORE CUT	150
05F118	18MM X 30MM CARBIDE CORE CUT	150	05F250	50MM X 55MM CARBIDE CORE CUT	150
05F119	19MM X 30MM CARBIDE CORE CUT	150	05F251	51MM X 55MM CARBIDE CORE CUT	150
05F120	20MM X 30MM CARBIDE CORE CUT	150	05F307	7/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F121	21MM X 30MM CARBIDE CORE CUT	150	05F308	1/2" X 2" DEPTH ICECUT UNIV. SHANK	149
05F122	22MM X 30MM CARBIDE CORE CUT	150	05F309	9/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F123	23MM X 30MM CARBIDE CORE CUT	150	05F310	5/8" X 2" DEPTH ICECUT UNIV. SHANK	149
05F124	24MM X 30MM CARBIDE CORE CUT	150	05F311	11/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F125	25MM X 30MM CARBIDE CORE CUT	150	05F312	3/4" X 2" DEPTH ICECUT UNIV. SHANK	149
05F126	26MM X 30MM CARBIDE CORE CUT	150	05F313	13/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F127	27MM X 30MM CARBIDE CORE CUT	150	05F314	7/8" X 2" DEPTH ICECUT UNIV. SHANK	149
05F128	28MM X 30MM CARBIDE CORE CUT	150	05F315	15/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F129	29MM X 30MM CARBIDE CORE CUT	150	05F400	1" X 2" DEPTH ICECUT UNIV. SHANK	149
05F130	30MM X 30MM CARBIDE CORE CUT	150	05F401	1-1/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F131	31MM X 30MM CARBIDE CORE CUT	150	05F402	1-1/8" X 2" DEPTH ICECUT UNIV. SHANK	149
05F132	32MM X 30MM CARBIDE CORE CUT	150	05F403	1-3/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F133	33MM X 30MM CARBIDE CORE CUT	150	05F404	1-1/4" X 2" DEPTH ICECUT UNIV. SHANK	149
05F134	34MM X 30MM CARBIDE CORE CUT	150	05F405	1-5/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F135	35MM X 30MM CARBIDE CORE CUT	150	05F406	1-3/8" X 2" DEPTH ICECUT UNIV. SHANK	149
05F136	36MM X 30MM CARBIDE CORE CUT	150	05F407	1-7/16" X 2" DEPTH ICECUT UNIV. SHANK	149
05F137	37MM X 30MM CARBIDE CORE CUT	150	05F408	1-1/2" X 2" DEPTH ICECUT UNIV. SHANK	149
05F138	38MM X 30MM CARBIDE CORE CUT	150	05H008	1/2" X 1" CH-TOOLS DNTK-2	150
05F139	39MM X 30MM CARBIDE CORE CUT	150	05H009	9/16X1" CH-TOOLS DNTK-2	150
05F140	40MM X 30MM CARBIDE CORE CUT	150	05H010	5/8" X 1" DEPTH CARBIDE UNIVERSAL SHANK	150
05F141	41MM X 30MM CARBIDE CORE CUT	150	05H011	11/16"X1" DEPTH CARBIDE UNIVERSAL SHANK	150
05F142	42MM X 30MM CARBIDE CORE CUT	150	05H012	3/4"X1" DEPTH CARBIDE UNIVERSAL SHANK	150
05F143	43MM X 30MM CARBIDE CORE CUT	150	05H013	13/16"X1" DEPTH CARBIDE UNIVERSAL SHANK	150
05F144	44MM X 30MM CARBIDE CORE CUT	150	05H014	7/8"X1" DEPTH CARBIDE UNIVERSAL SHANK	150
05F145	45MM X 30MM CARBIDE CORE CUT	150	05H015	15/16"X1" DEPTH CARBIDE UNIVERSAL SHANK	150
05F146	46MM X 30MM CARBIDE CORE CUT	150	05H100	1"X1" DEPTH CARBIDE UNIVERSAL SHANK	150

Order No.	Description	Page
05H101	1-1/16"X1" DEPTH CARBIDE UNIV. SHANK	150
05H102	1-1/8"X1" DEPTH CARBIDE UNIV. SHANK	150
05H103	1-3/16"X1" DEPTH CARBIDE UNIV. SHANK	150
05H104	1-1/4"X1" DEPTH CARBIDE UNIV. SHANK	150
05H105	1-5/16"X1" DEPTH CARBIDE UNIV. SHANK	150
05H106	1-3/8"X1" DEPTH CARBIDE UNIV. SHANK	150
05H107	1-7/16"X1" DEPTH CARBIDE UNIV. SHANK	150
05H108	1-1/2"X1" DEPTH CARBIDE UNIV. SHANK	150
05H308	1/2"X2" DEPTH CARBIDE UNIV. SHANK	150
05H309	9/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H310	5/8"X2" DEPTH CARBIDE UNIV. SHANK	150
05H311	11/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H312	3/4"X2" DEPTH CARBIDE UNIV. SHANK	150
05H313	13/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H314	7/8"X2" DEPTH CARBIDE UNIV. SHANK	150
05H315	15/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H400	1"X2" DEPTH CARBIDE UNIV. SHANK	150
05H401	1-1/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H402	1-1/8"X2" DEPTH CARBIDE UNIV. SHANK	150
05H403	1-3/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H404	1-1/4"X2" DEPTH CARBIDE UNIV. SHANK	150
05H405	1-5/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H406	1-3/8"X2" DEPTH CARBIDE UNIV. SHANK	150
05H407	1-7/16"X2" DEPTH CARBIDE UNIV. SHANK	150
05H408	1-1/2"X2" DEPTH CARBIDE UNIV. SHANK	150
05Z001	1" PILOT PIN SST CORE CUT/ICECUT	151
05Z002	2" PILOT PIN SST CORE CUT/ ICECUT	151
05Z010	#2 MORSE TAPER SHANK ADAPTOR	151
05Z011	#3 MORSE TAPER SHANK ADAPTOR	151
05Z012	#2 MORSE TAPER SHANK ADAPTOR	151
05Z013	#3 MORSE TAPER SHANK ADAPTOR	151
05Z014	FEIN ADAPTER	151
05Z015	NITTO ADAPTER	151
05Z018	3" PIN SST CORE CUT	151
05Z019	CENTER PIN 1 1/2 in < 3/4 in diameter	151
05Z020	CENTER PIN 1-1/2",larger than3/4" dia.	151
05Z021	CENTER PIN 2 in < 3/4 in diameter	151
05Z022	CENTER PIN 2",larger than3/4" dia.	151
05Z023	EXTENSION FOR CORE CUTTER 1"	151
05Z024	EXTENSION FOR CORE CUTTER 2"	151
05Z025	CENTER PIN FOR EXTENSION CORE CUTTER 1"	151
05Z026	CENTER PIN FOR EXTENSION CORE CUTTER 2"	151
05Z027	CENTER PIN 1 in < 3/4 in diameter	150
05Z028	CENTER PIN 1 in >= 3/4 in diameter	150
05Z029	PILOT PIN for 7/16" X 1" depth	148
05Z031	PILOT PIN 4" DOC FOR 3/4" WELDON SHANK	149
05Z032	2-PIECE PILOT PIN 3" DOC FOR 3/4" WELDON	151
05Z033	2-PIECE PILOT PIN 4" DOC FOR 3/4" WELDON	151
05Z034	PILOT PIN 2" DOC FOR 1-1/4" WELDON SHANK	150
05Z035	PILOT PIN 3" DOC FOR 1-1/4" WELDON SHANK	150
05Z036	PILOT PIN 4" DOC FOR 1-1/4" WELDON SHANK	150
05Z037	#3 MORSE TAPER ADAPTOR WITH 1-1/4" WELDO	151
05Z038	#3 MORSE TAPER ADAPTOR WITH 1-1/4"WELDON	151
06A452	ENDURO-FLEX TURBO 4.5X5/8-11 GR36/60	75
06A458	ENDURO-FLEX TURBO 4.5X5/8"-11 GR80	75
06A462	ENDURO-FLEX TURBO 4.5X7/8" GR36/60	75
06A502	ENDURO-FLEX TURBO 5X5/8"-11 GR36/60	75
06A508	ENDURO-FLEX TURBO 5X5/8"-11 GR80	75
06A512	ENDURO-FLEX TURBO 5X7/8" GR36/60	75
06A602	ENDURO-FLEX TURBO 6X5/8"-11 GR36/60	75
06A712	ENDURO-FLEX TURBO 7X7/8" GR36/60	75
06B454	4-1/2 GR40 ENDURO-FLEX, SPIN-ON	69
06B456	4-1/2 GR60 ENDURO-FLEX, SPIN-ON	69
06B458	4-1/2 GR80 ENDURO-FLEX, SPIN-ON	69
06B462	4-1/2 GR120 ENDURO-FLEX, SPIN-ON	69
06B504	5" GR40 ENDURO-FLEX, SPIN-ON	69
06B506	5" GR60 ENDURO-FLEX, SPIN-ON	69
06B508	5" GR80 ENDURO-FLEX, SPIN-ON	69
06B512	5" GR120 ENDURO-FLEX, SPIN-ON	69
06B604	6" GR40 ENDURO-FLEX, SPIN-ON	69
06B606	6" GR60 ENDURO-FLEX, SPIN-ON	69
06B608	6" GR80 ENDURO-FLEX, SPIN-ON	69

Order No.	Description	Page
06B612	6" GR120 ENDURO-FLEX, SPIN-ON	69
06B901	ENDUROFLEX TRIMMING TOOL	69
06F454	4-1/2 GR40 ENDURO-FLEX-ST, SPIN-ON	72
06F456	4-1/2 GR60 ENDURO-FLEX-ST, SPIN-ON	72
06F458	4-1/2 GR80 ENDURO-FLEX-ST, SPIN-ON	72
06F462	4-1/2 GR120 ENDURO-FLEX-ST, SPIN-ON	72
06F504	5" GR40 ENDURO-FLEX-ST, SPIN-ON	72
06F506	5" GR60 ENDURO-FLEX-ST, SPIN-ON	72
06F508	5" GR80 ENDURO-FLEX-ST, SPIN-ON	72
06F512	5" GR120 ENDURO-FLEX-ST, SPIN-ON	72
06F604	6" GR40 ENDURO-FLEX-ST, SPIN-ON	72
06F606	6" GR60 ENDURO-FLEX-ST, SPIN-ON	72
06F608	6" GR80 ENDURO-FLEX-ST, SPIN-ON	72
06F612	6" GR120 ENDURO-FLEX-ST, SPIN-ON	72
06U454	4-1/2 GR40 ENDURO-FLEX ALU, SPIN-ON	71
06U456	4-1/2 GR60 ENDURO-FLEX ALU, SPIN-ON	71
06U458	4-1/2 GR80 ENDURO-FLEX ALU, SPIN-ON	71
06U504	5" GR40 ENDURO-FLEX ALU, SPIN-ON	71
06U506	5" GR60 ENDURO-FLEX ALU, SPIN-ON	71
06U508	5" GR80 ENDURO-FLEX ALU, SPIN-ON	71
06U604	6" GR40 ENDURO-FLEX ALU, SPIN-ON	71
06U606	6" GR60 ENDURO-FLEX ALU, SPIN-ON	71
06U608	6" GR80 ENDURO-FLEX ALU, SPIN-ON	71
07A001	BLENDEX PAD HOLDER	90
07A100	6X9 BLENDEX PAD-MAROON	90
07A200	6X9 BLENDEX PAD-GREY	90
07A300	6X9 BLENDEX PAD-TAN	90
07A400	6X9 BLENDEX PAD-GREEN	90
07A500	6X9 BLENDEX PAD-WHITE	90
07B104	4"X30' BLENDEX ROLL-MAROON	90
07B204	4"X30' BLENDEX ROLL-GREY	90
07B304	4"X30' BLENDEX ROLL-TAN	90
07B404	4"X30' BLENDEX ROLL-GREEN	90
07B504	4"X30' BLENDEX ROLL-WHITE	90
07C003	1"X8MM MANDREL-BLENDEX	88
07C005	EXTENSION M14 / 6" FX	110
07C006	EXTENSION 5/8"-11 /FX	110
07D032	1/2X18 BLENDEX PLUS-COARSE	102
07D033	1/2X18 BLENDEX PLUS-MEDIUM	102
07D034	1/2X18 BLENDEX PLUS-V-FINE	102
07D052	1/2X24 BLENDEX PLUS-COARSE	102
07D053	1/2X24 BLENDEX PLUS-MEDIUM	102
07D054	1/2X24 BLENDEX PLUS-VFINE	102
07D102	3/4X18 BLENDEX PLUS-COARSE	102
07D103	3/4X18 BLENDEX PLUS-MEDIUM	102
07D104	3/4X18 BLENDEX PLUS-VFINE	102
07D122	3/4X24 BLENDEX PLUS-COARSE	102
07D123	3/4X24 BLENDEX PLUS-MEDIUM	102
07D124	3/4X24 BLENDEX PLUS-VFINE	102
07D152	30X1-1/2" BLENDEX BELT-COARSE	101
07D153	30X1-1/2" BLENDEX BELT-MEDIUM	101
07D154	30X1-1/2" BLENDEX BELT- FINE	101
07F002	BELT DRIVE ROLLER	98
07F013	VALVE ASSEMBLY	97
07F014	HAND PUMP	97
07F037	3-1/2" DRUM-SOFT / 5/8-11	97
07F051	5-1/4" DRUM-SOFT / 5/8-11	97
07F093	3-1/2" REPL. BLADDER	97
07F095	5-1/4" REPL. BLADDER	97
07F364	3.5"X15.5" GR40 DRUM BELT	97
07F366	3.5"X15.5" GR60 DRUM BELT	97
07F368	3.5"X15.5" GR80 DRUM BELT	97
07F371	3.5"X15.5" GR120 DRUM BELT	97
07F504	5-3/8" GR40 DRUM BELT	97
07F506	5-3/8" GR60 DRUM BELT	97
07F508	5-3/8" GR80 DRUM BELT	97
07F511	5-3/8" GR120 DRUM BELT	97
07H242	BLENDEX STRIP BELT-COARSE	98
07H243	BLENDEX STRIP BELT-MEDIUM	98
07H244	BLENDEX STRIP BELT-FINE	98
07H245	BLENDEX STRIP BELT-S FINE	98
07H362	3.5X15.5"BLEND.DRUM BELT/C	97

Order No.	Description	Page	Order No.	Description	Page
07H363	3.5X15.5"BLEND.DRUM BELT/M	97	07R453	4-1/2" QS BLENDEX/MEDIUM	107
07H364	3.5X15.5"BLEND.DRUM BELT/F	97	07R454	4-1/2" QS BLENDEX/FINE	107
07H365	3.5X15.5"BLEND DRUM BELTSF	97	07R455	4-1/2" QS BLENDEX/S FINE	107
07H502	5-3/8" BLENDEX DRUM BELT/C	97	07R500	5" QS BLENDEX - XCOARSE	107
07H503	5-3/8" BLENDEX DRUM BELT/M	97	07R502	5" QS BLENDEX/COARSE	107
07H504	5-3/8" BLENDEX DRUM BELT/F	97	07R503	5" QS BLENDEX/MEDIUM	107
07H505	5-3/8"BLENDEX DRUM BELT/SF	97	07R504	5" QS BLENDEX/FINE	107
07H992	HAND RAIL STARTER KIT	98	07R600	6" QS BLENDEX - XCOARSE	107
07J424	4-1/4X2 GR.40 FLAP DRUM	95	07R602	6" QS BLENDEX/COARSE	107
07J426	4-1/4X2 GR.60 FLAP DRUM	95	07R603	6" QS BLENDEX/MEDIUM	107
07J428	4-1/4X2 GR.80 FLAP DRUM	95	07R604	6" QS BLENDEX/FINE	107
07J432	4-1/4X2 GR.120 FLAP DRUM	95	07R700	7" QS BLENDEX - XCOARSE	107
07J444	4-1/4X4 GR.40 FLAP DRUM	95	07R702	7" QS BLENDEX/COARSE	107
07J446	4-1/4X4 GR.60 FLAP DRUM	95	07R703	7" QS BLENDEX/MEDIUM	107
07J448	4-1/4X4 GR.80 FLAP DRUM	95	07R704	7" QS BLENDEX/FINE	107
07J452	4-1/4X4 GR.120 FLAP DRUM	95	07T100	STAINLESS STEEL TAPE, SELFSTICK	96
07K322	4-1/4" X 2" X 5/8"-11 TWO-IN-ONE DRUM	95	07T220	30"X1-1/2" HIGH POLISH BELT	101
07K342	4-1/4" X 4" X 5/8"-11 TWO-IN-ONE DRUM	95	07T225	FELT T-LOCK BELT	98
07K421	4-1/2X2X5/8-11" TWO-IN-ONE TURBO DRUM	95	07T334	3-1/2" HIGH POLISH DRUM BELT	96
07K422	4-1/2X2" TWO-IN-ONE DRUM	95	07T336	3-1/2" INSTANT POLISH DRUM BELT	98
07K441	4-1/2X4X5/8-11" TWO-IN-ONE TURBO DRUM	95	07T425	4-3/4X2X5/8" BUFFING DRUM	96
07K442	4-1/2X4" TWO-IN-ONE DRUM	95	07T427	4-3/4X2X5/8" SOFT BUFFING DRUM	96
07L420	4X2" FX DRUM	99	07T450	4-1/2"QUICK STEP FELT DISC	107
07L422	4X2" FX DRUM	99	07T452	4-1/2" INSTANT POLISH DISC	109
07L440	4X4" FX DRUM	99	07T453	4-1/2" X 5/8"-11 ULTIMATE SHINE DISC	109
07L441	4X4" FX DRUM	99	07T454	4-1/2"QS HIGH POLISH DISC	107
07L442	4X4" FX DRUM	99	07T456	4-1/2"QS INSTANT POLISH DISC	107
07M322	4-1/4" X 2" X 5/8"-11 COARSE BLENDEX DRU	96	07T457	4-1/2 INSTANT POLISH DISC	107
07M323	4-1/4" X 2" X 5/8"-11 MEDIUM BLENDEX DRU	96	07T502	5" X 5/8"-11 INSTANT POLISH DISC	109
07M324	4-1/4" X 2" X 5/8"-11 FINE BLENDEX DRUM	96	07T503	5" ULTIMATE SHINE DISC	109
07M342	4-1/4" X 4" X 5/8"-11 COARSE BLENDEX DRU	96	07T504	5" QS HIGH POLISH DISC	107
07M343	4-1/4" X 4" X 5/8"-11 MEDIUM BLENDEX DRU	96	07T505	5 X 5/8-11 FELT CUP DISC	109
07M344	4-1/4" X 4" X 5/8"-11 FINE BLENDEX DRUM	96	07T506	5" QS INSTANT POLISH DISC	107
07M411	4-1/2 HD BLENDEX DRUM	96	07T507	5" QS INSTANT POLISH DISC	107
07M422	4-1/2X2BLENDEX DRUM-COARSE	96	07T530	5-3/8" FELT DRUM BELT	96
07M423	4-1/2X2" BLENDEX DRUM-MED	96	07T534	5-3/8" HIGH POLISH DRUM BELT	96
07M424	4-1/2X2X5/8-11 BLENDEX DRUM-FINE	96	07T536	5-3/8" INSTANT POLISH DRUM BELT	98
07M425	4-1/2X2X5/8-11 BLENDEX DRUM-SF	96	07T600	6" QUICK STEP FELT DISC	107
07M442	4-1/2X4BLENDEX DRUM-COARSE	96	07T602	6" X 7/8" FELT WHEEL	107
07M443	4-1/2X4" BLENDEX DRUM-MED	96	07T604	6" QS HIGH POLISH DISC	107
07M444	4-1/2X4" BLENDEX DRUM-FINE	96	07T700	7" QUICK STEP FELT DISC	107
07M445	4-1/2X4"BLENDEX DRUM-SFINE	96	07T704	7" QS HIGH POLISH DISC	107
07M446	4-1/2 HG BLENDEX DRUM	96	07T901	WHITE POLISHING PASTE	109
07Q001	QS SPACER WASHER	106	07T905	MIRROR-FINISH PASTE/BLUE	109
07Q044	4" QS BACKING PAD 5/8"-11	104	07T907	INSTANT POLISH PASTE	109
07Q045	4-1/2" QS INTERFACE PAD	106	07T909	ULTIMATE SHINE PASTE/YELLOW	109
07Q049	4-1/2" QS PAD 5/8"-11	104	07U101	BLENDEX-U, 3/8 x 1-1/4 x 1/4, 2SF	108
07Q050	5" QS INTERFACE PAD	106	07U102	BLENDEX-U, 3/8 x 1-1/4 x 1/4, 6SF	108
07Q054	5" QS PAD 5/8"-11	104	07U103	BLENDEX-U, 3/8 x 1-1/4 x 1/4, 6AM	108
07Q060	6" QS INTERFACE PAD DISC	106	07U321	3X1/4X3/8 BLENDEX U, 2SF	108
07Q064	6" QS BACKING PAD 5/8"-11	104	07U322	3X1/4X3/8 BLENDEX U, 6SF	108
07Q070	7" QS INTERFACE PAD DISC	106	07U323	3X1/4X3/8 BLENDEX U, 6AM	108
07Q074	7" QS BACKING PAD 5/8"-11	104	07U451	4-1/2"X5/8"-11 BLENDEX U CUP	108
07Q149	4-1/2" QS MG PAD 5/8"-11	104	07U501	5"X5/8"-11 BLENDEX U CUP	108
07Q154	5" QS MG BACKING PAD	104	07U611	6X1X1 BLENDEX U, 2SF	108
07Q164	6" QS MG BACKING PAD	104	07U612	6X1X1 - BLENDEX U, 6SF	108
07Q174	7" QS MG BACKING PAD	104	07U613	6X1X1 - BLENDEX U, 6AM	108
07Q454	4-1/2 GR40 QS FLAP DISC	106	07U615	6 X 1/16 X 7/8" BLENDEX U TURBO	111
07Q456	4-1/2 GR60 QS BLENDER DISC	106	07U621	6X1/4X1 BLENDEX U, 2SF	108
07Q458	4-1/2 GR80 QS FLAP DISC	106	07U622	6X1/4X1 BLENDEX U, 6SF	108
07Q462	4-1/2 GR120 QS FLAP DISC	106	07U623	6X1/4X1 BLENDEX U, 6AM	108
07Q504	5" GR40 QS FLAP DISC	106	07U625	6X1/4X7/8 BLENDEX U TURBO	111
07Q506	5" GR60 QS FLAP DISC	106	07U651	6X1/2X1 BLENDEX U, 2SF	108
07Q508	5" GR80 QS FLAP DISC	106	07U652	6X1/2X1 - BLENDEX U, 6SF	108
07Q512	5" GR120 QS FLAP DISC	106	07U653	6X1/2X1 - BLENDEX U, 6AM	11
07Q604	6" GR40 QS FLAP DISC	106	07X003	8MM X 1/2 MANDREL /4" FX	110
07Q606	6" GR60 QS FLAP DISC	106	07X004	1/4 X 1/2 MANDREL/4" FX	110
07Q608	6" GR80 QS FLAP DISC	106	07X005	8MM X 1/2 MANDREL / 6" FX	110
07Q612	6" GR120 QS FLAP DISC	106	07X006	1/4 X 1/2 MANDREL/6" FX	110
07Q953	QUICK-STEP TRIAL PACK-5/8"	111	07X008	1/4 X 7/8 MANDREL/6" FX	110
07R450	4-1/2" QS BLENDEX - XCOARSE	107	07X120	2 x 1" FX MOUNTED	110
07R452	4-1/2" QS BLENDEX/COARSE	107	07X450	4-1/2X3/4X5/8-11 FX CUP WHEEL	110

Order No.	Description	Page
07X452	4-1/2 FX STAINLESS CUP WHEEL, SPIN-ON	110
07X502	5" FX STAINLESS CUP WHEEL, SPIN-ON	110
07X505	5"X3/4X5/8-11 FX CUP WHEEL	110
07X640	4X1/2" FX CLEANING WHEEL	110
07X660	6X1/2" FX CLEANING WHEEL	110
07X661	6" X 1/2" X 7/8" FX STAINLESS WHEEL	111
07X662	6" X 1/4" X 7/8" FX STAINLESS WHEEL	111
07X663	6X1" FX STAINLESS WHEEL, 7/8" ARBOR	111
07X664	FX Stainless Wheel 6"x1/2"x1/2"	111
07X845	4-1/2 QUICK-STEP FX DISC	105
07X860	6X5/8" QUICK-STEP FX DISC	105
07Z005	SPACER/WASHER-14MM SPINDLE	106
08B001	THROW-AWAY ADAPTORS-1/4"	241
08B002	THROW-AWAY ADAPTORS-1/8"	241
08B004	3/8"-24 MOUNTING FLANGE	243
08B005	EXTENSION 7/16-20 X 3/8-24	243
08B006	EXTENSION 3/8-24 X 3/8-24	243
08B007	3/8"-24 CLAMPING NUT	243
08B008	EXTENSION 5/8-11 X 1/2-13	243
08B009	EXTENTION/07F037	97
08B031	REUSABLE ADAPTOR KIT	241
08B310	3X1/4X3/8 HP GR WHEELS	57
08B312	3X1/8X3/8 HP GR WHEELS	58
08B400	4X1/4X5/8 HP GR WHEELS	57
08B402	4X1/8X5/8 HP COMBO WHEEL	58
08B410	4X1/4X3/8 HP GR WHEELS	57
08B412	4X1/8X3/8 HP GR WHEELS	58
08B450	4-1/2X1/4 HP SPIN-ON GR WHEELS	57
08B451	4-1/2X1/4 TYPE 28 SPIN-ON	57
08B452	4-1/2X1/8 HP SPIN-ON COMBO WHEEL	58
08B460	4-1/2X1/4X7/8 HP GR WHEELS	57
08B462	4-1/2X1/8X7/8 HP COMBO WHEEL	58
08B500	5X1/4 HP SPIN-ON GR WHEELS	57
08B501	5X1/4 HP TYPE 28 SPIN-ON	51
08B502	5X1/8 HP SPIN-ON COMBO WHEEL	58
08B510	5X1/4 X7/8 HP GR WHEELS	57
08B512	5X1/8X7/8 HP COMBO WHEEL	58
08B600	6X1/4 HP GR WHEELS	57
08B602	6X1/8 HP COMBO WHEEL	58
08B630	6" X 1/4" X 5/8-11 HP SPIN-ON	57
08B701	7X1/4 HP TYPE28 GR WHEELS	57
08B710	7X1/4 HP DEP CTR WHEELS	57
08B712	7X1/8 HP COMBO WHEEL	58
08B901	9X1/4 HP TYPE28 GR WHEELS	57
08B910	9X1/4 HP DEP CTR WHEELS	57
08B912	9X1/8 HP COMBO WHEEL	58
08D452	CONCRETE 4-1/2X1/8 C-24 GRINDING WHEEL	61
08D502	CONCRETE 5X1/8X7/8 C-24 GRINDING WHEEL	61
08D702	CONCRETE 7X1/8X7/8 C-24 GRINDING WHEEL	61
08E450	4-1/2X1/4 C-24 GR WHEELS	60
08E500	5X1/4 C24 GRINDING WHEELS	60
08E700	7X1/4 C-24 GR WHEELS	60
08F450	4-1/2X1/4 A30SS SPIN-ON WHEELS	60
08F451	4-1/2X1/4 TYPE 28 SS SPIN-ON	60
08F452	4-1/2X1/8 A30SS SPIN-ON WHEEL	60
08F460	4-1/2X1/4X7/8 A30SS GR WHEELS	60
08F462	4-1/2X1/8X7/8 A30SS STST WHEEL	60
08F500	5X1/4 A30SS SPIN-ON GR WHEELS	60
08F501	5X1/4 TYPE 28 SS SPIN-ON	60
08F502	5X1/8 A30SS SPIN-ON WHEELS	60
08F510	5X1/4X7/8 A30SS GR WHEELS	60
08F512	5X1/8X7/8 A30SS ST ST WHEELS	60
08F600	6X1/4 A30SS GR WHEELS	60
08F602	6X1/8 A30SS ST ST WHEELS	60
08F700	7X1/4 A30SS DEP CTR WHEELS	60
08F702	7X1/8 A30SS DEP CTR WHEEL	60
08F900	9X1/4 A30SS DEP CTR WHEELS	60
08F902	9X1/8 A30SS DEP CTR WHEEL	60
08H450	HP XX 4-1/2X1/4X7/8 GRINDING WHEEL	59
08H452	HP XX 4-1/2X1/8X7/8 GRINDING WHEEL	59
08H500	HP XX 5X1/4X7/8 GRINDING WHEEL	59
08H502	HP XX 5X1/8X7/8 T27 GRINDING WHEEL	59

Order No.	Description	Page
08H600	HP XX 6X1/4X7/8 T27 GRINDING WHEEL	59
08H602	HP XX 6X1/8X7/8 GRINDING WHEEL	59
08H700	HP XX 7X1/4X7/8 T27 GRINDING WHEEL	59
08H702	7X1/8X7/8 ALLSTEEL XX	59
08H900	HP XX 9X1/4X7/8 GRINDING WHEEL	59
08H902	HP XX 9X1/8X7/8 T27 GRINDING WHEEL	59
08K450	HP XX 4-1/2X1/4 SPIN-ON GR WHEEL	59
08K500	HP XX 5X1/4 SPIN-ON GR WHEEL	59
08K701	7X1/4 -XX- TYPE28 GR WHEEL	59
08K901	9X1/4 -XX- TYPE28 GR WHEEL	59
08L450	4-1/2X1/4 ALU GR WHEEL	61
08L452	4-1/2X1/8 A24ALU GR WHEELS	61
08L500	5X1/4 A24ALU GR WHEELS	61
08L502	5X1/8 A24ALU GR WHEELS	61
08L600	6X1/4 A24ALU GR WHEELS	61
08L602	6X1/8 A24ALU GR WHEELS	61
08L700	7X1/4 ALU GR WHEEL	61
08L702	7X1/8 A24ALU GR WHEELS	61
08L707	7X1/8 5/8-11 A24ALU WHEEL	61
08L900	9X1/4 ALU GR WHEEL	61
08L902	9X1/8 A24ALU GR WHEELS	61
08N452	4-1/2X1/8 A-36 PIPEFITTER	62
08N453	4-1/2X3/32 A36-PIPEFITTER	62
08N454	4-1/2X5/32 A-36 PIPEFITTER	62
08N502	5X1/8 A-36 PIPEFITTER	62
08N503	5X3/32 A36-PIPEFITTER	62
08N504	5X5/32 A-36 PIPEFITTER	62
08N533	5" X 3/32" X 5/8-11 PIPEFITTER SPIN-ON	62
08N602	6X1/8 PIPEFITTER WHEEL	62
08N603	6X3/32 A36 PIPEFITTER	62
08N604	6X5/32 A20-PIPEFITTER	62
08N633	6" X 3/32" X 5/8-11" PIPEFITTER SPIN-ON	62
08N634	6" X 5/32" X 5/8-11 PIPEFITTER SPIN-ON	62
08N702	7X1/8 PIPEFITTER WHEEL	62
08N703	7X3/32 A36-PIPEFITTER	62
08N704	7X5/32 A20-PIPEFITTER	62
08N904	9X5/32 A20-PIPEFITTER	62
08P450	4-1/2X1/4 SPIN-ON XCAVATOR	56
08P460	4-1/2X1/4X7/8 XCAVATOR	56
08P500	5X1/4 SPIN-ON XCAVATOR	56
08P510	5X1/4X7/8 XCAVATOR	56
08P600	6X1/4X7/8 XCAVATOR	56
08P700	7X1/4X7/8 XCAVATOR	56
08P900	9X1/4X7/8 XCAVATOR	56
08X450	4-1/2" X 1/4" X 7/8" XCAVATOR XX	55
08X452	4-1/2" X 1/8" X 7/8" XCAVATOR XX	55
08X500	5" X 1/4" X 7/8" XCAVATOR XX	55
08X502	5" X 1/8" X 7/8" XCAVATOR XX	55
08X600	6" X 1/4" X 7/8" XCAVATOR XX	55
08X602	6" X 1/8" X 7/8" XCAVATOR XX	55
08X700	7" X 1/4" X 7/8" XCAVATOR XX	55
08X702	7" X 1/8" X 7/8" XCAVATOR XX	55
08X900	9" X 1/4" X 7/8" XCAVATOR XX	55
08X902	9" X 1/8" X 7/8" XCAVATOR XX	55
10A123	12"L/LIFE RIP CUT C/O WHEEL	51
10A143	14"L/LIFE RIP CUT C/O WHEEL	51
10A163	16"L/LIFE RIP CUT C/O WHEEL	51
10A183	18"L/LIFE RIP CUT C/O WHEEL	51
10A203	20" L/LIFE RIP CUT C/O WHEEL	51
10A206	20"L/LIFE RIP CUT C/O WHEEL	51
10A984	7/8 TO 5/8 REDUCER BUSHING	51
10A985	1 TO 1/2 REDUCER BUSHING	51
10A986	1 TO 5/8 REDUCER BUSHING	51
10A987	1 TO 3/4 REDUCER BUSHING	51
10A988	1 TO 7/8 REDUCER BUSHING	52
10A989	1 TO 20MM REDUCER BUSHING	52
10A991	40MM TO 1-1/4" BUSHING	51
10A992	40MM TO 1-1/2" BUSHING	51
10B123	12" F/CUT RIP CUT C/O WHEEL	51
10B143	14" F/CUT RIP CUT C/O WHEEL	51
10B163	16" F/CUT RIP CUT C/O WHEEL	51
10B183	18" F/CUT RIP CUT C/O WHEEL	51

Order No.	Description	Page	Order No.	Description	Page
10B203	20" F/CUT RIP CUT C/O WHEEL	51	11L233V	2X1/4X3/8 ZIP C/O WHEEL-PKG 5	250
10C143	14" ST ST RIP CUT C/O WHEEL	51	11L251	2X1/2X5/16 ZIP GR WHEELS	48
10H143	14X1/8 CHOP CUT TITAN WHEELS	50	11L251V	2X1/2X5/16 ZIP GR WHEELS-PKG 5	250
10H163	16X9/64 CHOP CUT TITAN WHEELS	50	11L253	2X1/2X3/8 ZIP C/O WHEEL	48
10L123	12X3/32X1 CHOP CUT ALU	50	11L253V	2X1/2X3/8 ZIP C/O WHEEL-PKG 5	250
10L143	14X3/32X1 CHOP CUT ALU	50	11L262	2.5X1/16X1/4 ZIP CUT-OFF WHEEL	48
10P123	12X3/32X1 CHOP CUT II WHEEL	50	11L263	2.5X1/16X3/8 ZIP CUT-OFF WHEEL	48
10P143	14X3/32X1 CHOP CUT II WHEEL	50	11L263V	2.5X1/32X3/8 ZIP CUT-OFF WHEEL-PKG 5	250
10P163	16X7/64X1 CHOP CUT II WHEEL	50	11L302	3X1/32X1/4 ZIP C/O WHEELS	48
10Q123	12X3/32 A30 CHOP CUT	50	11L302V	3X1/32X1/4 ZIP C/O WHEELS-PKG 5	250
10Q143	14X3/32 A30 CHOP CUT	50	11L303	3X1/32X3/8 ZIP C/O WHEELS	48
10Q163	16X7/64 A30 CHOP CUT	50	11L303V	3X1/32X3/8 ZIP C/O WHEELS-PKG 5	250
11A121	12"X20MM A24 PORTACUT WHEEL	52	11L308	3X1/32X3/8 TYPE 27 ZIP	48
11A122	12X7/8 A24 PORTACUT WHEELS	52	11L308V	3X1/32X3/8 TYPE 27 ZIP-PKG 5	250
11A123	12X1 A24 PORTACUT WHEELS	52	11L312	3X1/16X1/4 ZIP C/O WHEELS	48
11A141	14"X20MM A24 PORTACUT WHEEL	52	11L312V	3X1/16X1/4 ZIP C/O WHEELS-PKG 5	250
11A142	14X7/8 A24 PORTACUT WHEELS	52	11L313	3X1/16X3/8 ZIP CUT-OFF WHEELS	48
11A143	14X1" A24 PORTACUT WHEEL	52	11L313V	3X1/16X3/8 ZIP CUT-OFF WHEELS-PKG 5	250
11D121	12X20MM C24 PORTACUT WHEEL	52	11L316	3X1/16X1/4 ZIP C/O WHEELS	48
11D122	12X7/8 C24 PORTACUT WHEELS	52	11L317	3X1/16X3/8 ZIP C/O WHEELS	48
11D123	12X1 C24 PORTACUT WHEELS	52	11L317V	3X1/16X3/8 ZIP C/O WHEELS-PKG 5	250
11D141	14X20MM C24 PORTACUT WHEEL	52	11L322	3X1/8X1/4 ZIP C/O WHEELS	48
11D142	14X7/8 C24 PORTACUT WHEELS	52	11L322V	3X1/8X1/4 ZIP C/O WHEELS-PKG 5	250
11D143	14X1 C24 PORTACUT WHEELS	52	11L323	3X1/8X3/8 ZIP CUT-OFF WHEELS	48
11F042	4-1/2X3/64 ZIP STAINLESS	46	11L323V	3X1/8X3/8 ZIP CUT-OFF WHEELS-PKG 5	250
11F042V	4-1/2X3/64 ZIP STAINLESS-PKG 5	249	11L333	3X1/4X3/8 ZIP GR WHEELS	48
11F052	5"X3/64 ZIP STAINLESS	46	11L333V	3X1/4X3/8 ZIP GR WHEELS-PKG 5	250
11F052V	5"X3/64 ZIP STAINLESS-PKG 5	249	11L353	3X1/2X3/8 ZIP GR WHEELS	48
11F062	6"X3/64 ZIP STAINLESS	46	11L353V	3X1/2X3/8 ZIP GR WHEELS-PKG 5	250
11F062V	6"X3/64 ZIP STAINLESS-PKG 5	249	11L403	4X1/32X3/8 ZIP C/O WHEELS	49
11F072	7"X1/16 ZIP STAINLESS	46	11L403V	4X1/32X3/8 ZIP C/O WHEELS-PKG 5	250
11F092	9X5/64 ZIP STAINLESS	46	11L405	4X1/32X5/8 ZIP C/O WHEELS	49
11F142	4-1/2X3/64 ZIP ST TYPE 27	46	11L405V	4X1/32X5/8 ZIP C/O WHEELS-PKG 5	250
11F142V	4-1/2X3/64 ZIP ST TYPE 27-PKG 5	249	11L408	4X1/32X3/8 TYPE 27 ZIP	49
11F152	5X3/64 ZIP STAINLESS TYPE 27	46	11L408V	4X1/32X3/8 TYPE 27 ZIP-PKG 5	250
11F152V	5X3/64 ZIP STAINLESS TYPE 27-PKG 5	249	11L413	4X1/16X3/8 ZIP CUT-OFF WHEELS	49
11F162	6X3/64 ZIP STAINLESS TYPE 27	46	11L413V	4X1/16X3/8 ZIP CUT-OFF WHEELS-PKG 5	250
11F162V	6X3/64 ZIP STAINLESS TYPE 27-PKG 5	249	11L415	4X1/16X5/8 ZIP C/O WHEELS	49
11F172	7X1/16 ZIP STAINLESS TYPE 27	46	11L415V	4X1/16X5/8 ZIP C/O WHEELS-PKG 5	250
11F192	9X5/64 ZIP STAINLESS TYPE 27	46	11L417	4X1/16X3/8 ZIP C/O WHEELS	49
11H042	4-1/2X3/64 ZIP TITAN WHEELS	41	11L417V	4X1/16X3/8 ZIP C/O WHEELS-PKG 5	250
11H042V	4-1/2X3/64 ZIP TITAN WHEELS-PKG 5	248	11L423	4X1/8X3/8 ZIP CUT-OFF WHEELS	49
11H052	5X3/64 ZIP TITAN WHEELS	41	11L433	4X1/4X3/8 ZIP GR WHEELS	49
11H052V	5X3/64 ZIP TITAN WHEELS-PKG 5	248	11L453	4X1/2X3/8 ZIP GR WHEELS	49
11H062	6X3/64 ZIP TITAN WHEELS	41	11R042	4-1/2X3/32 A30 TOUGH CUT	44
11H062V	6X3/64 ZIP TITAN WHEELS-PKG 5	248	11R042V	4-1/2X3/32 A30 TOUGH CUT-PKG 5	249
11H072	7X1/16 ZIP TITAN WHEELS	41	11R052	5X3/32X7/8 A30 TOUGH CUT	44
11L001	1/4 X 5/16 FLUSH MANDREL	49	11R052V	5X3/32X7/8 A30 TOUGH CUT-PKG/5	249
11L002	1/4 X 5/16 MANDREL	49	11R062	6X3/32X7/8 A30 TOUGH CUT	44
11L003	1/4 X 3/8 FLUSH MANDREL	49	11R062V	6X3/32X7/8 A30 TOUGH CUT-PKG 5	249
11L004	1/4 X 3/8 MANDREL	49	11R072	7X3/32X7/8 A30 TOUGH CUT	44
11L005	5/16 X 3/8 MANDREL	49	11R092	9X3/32X7/8 A30 TOUGH CUT	44
11L006	1/4 X 1/4 FLUSH MANDREL	49	11T042	ZIP CUT 4.5X3/64X7/8" T1 CUT-OFF WHEEL	42
11L007	1/4X1/4&3/8 FLUSH MANDREL	49	11T042V	4-1/2X3/64 ZIP CUT WHEELS-PKG/5	248
11L008	1/4 X 3/8" ARBOR	49	11T044	4-1/2X3/64 ZIP XXXTREME WHEELS	41
11L202	2X1/32X1/4 ZIP CUT-OFF WHEELS	48	11T044V	4-1/2X3/64 ZIP XXXTREME WHEELS-PKG 5	248
11L202V	2X1/32X1/4 ZIP CUT-OFF WHEELS-PKG 5	250	11T052	ZIP CUT 5X3/64X7/8" T1 CUT-OFF WHEEL	42
11L203	2X1/32X3/8 ZIP CUT-OFF WHEELS	48	11T052V	5X3/64X7/8 ZIP CUT WHEEL-PKG/5	248
11L203V	2X1/32X3/8 ZIP CUT-OFF WHEELS-PKG 5	250	11T054	5X3/64X7/8 ZIP XXXTREME WHEELS	41
11L211	2X1/16X5/16 ZIP CUT-OFF WHEELS	48	11T054V	5X3/64X7/8 ZIP XXXTREME WHEELS-PKG 5	248
11L211V	2X1/16X5/16 ZIP CUT-OFF WHEELS-PKG 5	250	11T062	ZIP CUT 6X1/16X7/8" T1 CUT-OFF WHEEL	42
11L212	2X1/16X1/4 ZIP CUT-OFF WHEELS	48	11T062V	6X3/64X7/8 ZIP CUT WHEEL-PKG/5	248
11L212V	2X1/16X1/4 ZIP CUT-OFF WHEELS-PKG 5	250	11T064	6X3/64X7/8 ZIP XXXTREME WHEELS	41
11L213	2X1/16X3/8 ZIP C/O WHEEL	48	11T070	ZIP CUT 7X1/16X5/8" T1 CUT-OFF WHEEL	42
11L213V	2X1/16X3/8 ZIP C/O WHEEL-PKG 5	250	11T072	ZIP CUT 7X5/64X7/8" T1 CUT-OFF WHEEL	42
11L221	2X1/8X5/16 ZIP CUT-OFF WHEELS	48	11T074	7X1/16X7/8 ZIP XXXTREME WHEELS	41
11L221V	2X1/8X5/16 ZIP CUT-OFF WHEELS-PKG 5	250	11T080	ZIP CUT 8X1/16X5/8" T1 CUT-OFF WHEEL	42
11L223	2X1/8X3/8 ZIP C/O WHEEL	48	11T092	ZIP CUT 9X5/64X7/8" T1 CUT-OFF WHEEL	42
11L223V	2X1/8X3/8 ZIP C/O WHEEL-PKG 5	250	11T142	4-1/2X3/64 ZIP CUT TYPE 27	42
11L231	2X1/4X5/16 ZIP GR WHEELS	48	11T142V	4-1/2X3/64 ZIP CUT TYPE 27-PKG 5	248
11L231V	2X1/4X5/16 ZIP GR WHEELS-PKG 5	250	11T152	5X3/64 ZIP CUT TYPE 27	42
11L233	2X1/4X3/8 ZIP C/O WHEEL	48	11T152V	5X3/64X7/8 ZIP CUT TYPE 27-PKG/5	248

Order No.	Description	Page	Order No.	Description	Page
11T162	6X3/64 ZIPCUT TYPE 27	42	12C221	3X4X5/8 T18R PLUG-STEEL	63
11T162V	6X3/64X7/8 ZIPCUT TYPE 27-PKG/5	248	12C301	1X2X3/8 T18 PLUG-STEEL	63
11T172	7X1/16 ZIPCUT TYPE 27	42	12C311	1-1/2X3X5/8 T18 PLUG-STEEL	63
11T192	9X5/64 ZIPCUT TYPE 27	42	12C321	2X3X5/8 T18 PLUG-STEEL	63
11T242	4-1/2 x 1/16 ZIP + WHEEL	44	12C401	1-1/2X3X5/8 T17 CONE	63
11T242V	4-1/2 x 1/16 ZIP + WHEEL-PKG/5	249	12C421	2X4X5/8 T17 PLUG	63
11T252	5 X 1/16 ZIP + WHEEL	44	12D001	A-1 MTD POINT/TOUGH STEEL	65
11T252V	5 X 1/16 ZIP + WHEEL-PKG/5	249	12D002	A-1 MTD POINT/MILD STEEL	64
11T262	6 X 1/16 ZIP + WHEEL	44	12D003	A-1 MOUNTED POINT/INOX	65
11T262V	6 X 1/16 ZIP + WHEEL-PKG 5	249	12D011	A-3 MTD POINT/TOUGH STEEL	65
11T272	7 X 5/64 ZIP + WHEEL	44	12D012	A-3 MTD POINT/MILD STEEL	64
11T292	9 X 3/32 ZIP + WHEEL	44	12D013	A-3 MOUNTED POINT/ST ST	65
11T342	4-1/2X3/64 ZIPCUT SPIN-ON	43	12D021	A-5 MTD POINT/TOUGH STEEL	65
11T352	5X3/64 ZIPCUT SPIN-ON	43	12D022	A-5 MTD POINT/ MILD STEEL	64
11T362	6X3/64 ZIPCUT SPIN-ON	43	12D023	A-5 MOUNTED POINT/ST ST	65
11T453	4-1/2 X 1/16 ZIP+ TYPE 27	44	12D031	A-11 MTD POINT/TOUGH STEEL	65
11T453V	4-1/2 X 1/16 ZIP+ TYPE 27-PKG/5	249	12D032	A-11 MTD POINT/ MILD STEEL	64
11T503	5 X 1/16 ZIP+ TYPE 27	44	12D033	A-11 MOUNTED POINT/ST ST	65
11T503V	5 X 1/16 ZIP+ WHEELS TYPE 27-PKG/5	249	12D036	A-12 MTD POINT/TOUGH STEEL	65
11T542	4-1/2x1/32 ZIP ONE WHEEL	45	12D037	A-12 MTD POINT/MILD STEEL	64
11T542V	4-1/2x1/32 ZIP ONE WHEEL-PKG 5	249	12D038	A-12 MOUNTED POINT/ST ST	65
11T552	5"x 1/32" ZIP ONE WHEEL	45	12D046	A-14 MTD POINT/TOUGH STEEL	65
11T552V	5"x 1/32" ZIP ONE WHEEL-PKG 5	249	12D047	A-14 MTD POINT/MILD STEEL	64
11T603	6 X 1/16 ZIP+ TYPE 27	44	12D056	A-21 MTD POINT/TOUGH STEEL	65
11T603V	6 X 1/16 ZIP+ TYPE 27-PKG 5	249	12D057	A-21 MTD POINT/MILD STEEL	64
11T642	4-1/2x1/32 ZIP ONE TYPE 27	45	12D058	A-21 MOUNTED POINT/ST ST	65
11T642V	4-1/2x1/32 ZIP ONE TYPE 27-PKG 5	249	12D076	A-25 MTD POINT/TOUGH STEEL	65
11T652	5"x 1/32" ZIP ONE TYPE 27	45	12D077	A-25 MTD POINT/MILD STEEL	64
11T652V	5"x 1/32" ZIP ONE TYPE 27-PKG 5	249	12D078	A-25 MOUNTED POINT/ST ST	65
11T662	6"x 1/32" ZIP ONE TYPE 27	45	12D091	A-32 MTD POINT/TOUGH STEEL	65
11T662V	6"x 1/32" ZIP ONE TYPE 27-PKG 5	249	12D092	A-32 MTD POINT/MILD STEEL	64
11T672	7"x 3/64" ZIP ONE TYPE 27	45	12D116	A-37 MTD POINT/TOUGH STEEL	65
11T842	4-1/2X5/64 COMBO ZIP	47	12D121	A-38 MTD POINT/TOUGH STEEL	65
11T842V	4-1/2X5/64 COMBO ZIP-PKG 5	250	12D122	A-38 MTD POINT/MILD STEEL	64
11T844	4-1/2X5/64 COMBO ZIP, SPIN-ON	47	12D232	B-52 MTD POINT/MILD STEEL	64
11T852	5X5/64 COMBO ZIP	47	12D242	B-52 MTD POINT/MILD STEEL	64
11T852V	5X5/64 COMBO ZIP-PKG 5	250	12D591	W179 MTD POINT/TOUGH STEEL	65
11T854	5X5/64 COMBO ZIP, SPIN-ON	47	12D592	W179 MTD POINT/MILD STEEL	64
11T862	6X5/64 COMBO ZIP	47	12D593	W179 MOUNTED POINT/ST ST	65
11T862V	6X5/64 COMBO ZIP-PKG 5	250	12D676	W196 MTD POINT/TOUGH STEEL	65
11U042	4-1/2X3/64 ZIP ALU WHEEL	46	12D677	W196 MTD POINT/MILD STEEL	64
11U042V	4-1/2X3/64 ZIP ALU WHEEL-PKG 5	249	12D678	W197 MOUNTED POINT/ST ST	65
11U052	5X3/64 ZIP ALU WHEEL	46	12D721	W205 MTD POINT/TOUGH STEEL	65
11U052V	5X3/64 ZIP ALU WHEEL-PKG 5	249	12D722	W205 MTD POINT/MILD STEEL	64
11U062	6 X 3/64 ZIP ALU WHEEL	46	12D723	W205 MOUNTED POINT/ST ST	65
11U062V	6 X 3/64 ZIP ALU WHEEL-PKG 5	249	12D781	W217 MTD POINT/TOUGH STEEL	65
11U072	7 X 1/16 ZIP ALU WHEEL	46	12D782	W217 MTD POINT/MILD STEEL	64
11U142	4-1/2X3/64 ZIP ALU TYPE 27	46	12D783	W217 MOUNTED POINT/ST ST	65
11U142V	4-1/2X3/64 ZIP ALU TYPE 27-PKG 5	249	12D796	W220 MTD POINT/TOUGH STEEL	65
11U152	5X3/64 ZIP ALU TYPE 27	46	12D797	W220 MTD POINT/MILD STEEL	64
11U152V	5X3/64 ZIP ALU TYPE 27-PKG 5	249	12D798	W220 MOUNTED POINT/ST ST	65
11U162	6 X 3/64 ZIP ALU TYPE 27	46	12D806	W222 MTD POINT/TOUGH STEEL	65
11U162V	6 X 3/64 ZIP ALU TYPE 27-PKG 5	249	12D807	W222 MTD POINT/MILD STEEL	64
11U172	7 X 1/16 ZIP ALU TYPE 27	46	12D808	W-222 MTD POINT/INOX	65
11U303	3X1/32X3/8 ALU C/O WHEEL	49	12D821	W-225 MTD POINT/TOUGH STEEL	65
11U303V	3X1/32X3/8 ALU C/O WHEEL-PKG 5	249	12D822	W-225 MTD POINT/MILD STEEL	64
11U403	4X1/32X3/8 ALU C/O WHEEL	49	12E001	WHEEL DRESSER, STANDARD	241
11V143	14X1" RAILCUT C/O WHEEL	52	12E002	WHEEL DRESSER, H. DUTY	241
11V145	14X1" RAILCUT II FASTCUT	52	12E004	SET SPARE WHEELS, STANDARD	241
11V163	16X1" RAILCUT C/O WHEEL	52	12E005	SET SPARE WHEELS, H. DUTY	241
11V165	16X1" RAILCUT II FASTCUT	52	12E006	1-3/4-5/8-1/2X3/4 BUSHING	241
12A004	4" CUP WHEEL FOR STEEL	63	12E007	1-3/4-5/8-1/2X1 IN BUSHING	241
12A005	5" CUP WHEEL FOR STEEL	63	12E008	1" TO 7/8 BUSHING, PACK OF 2	241
12A006	6" CUP WHEEL FOR STEEL	63	12E010	1-1/4 TO 1/2X1 NESTED BUSH	88
12B004	4" CUP WHEEL FOR CONCRETE	63	12E324	6X3/4 36GR BENCH GR WHEEL	66
12B005	5" CUP WHEEL FOR STONE	63	12E325	6X3/4 46GR BENCH GR WHEEL	66
12B006	6" CUP WHEEL FOR STONE	63	12E328	6X3/4 80GR BENCH GR WHEEL	66
12C101	1-1/2X2-1/2X3/8 T16 CONE	63	12E329	6X3/4 80GR BENCH GR WHEEL	66
12C111	1-1/2X3X5/8 T16 CONE-STEEL	63	12E344	6X1X1 36GR BENCH GR WHEEL	66
12C121	2X3X5/8 T16 CONE-STEEL	63	12E345	6X1X1 46GR BENCH GR WHEEL	66
12C201	1-1/2X3X5/8 T18R PLUG	63	12E348	6X1X1 80GR BENCH GR WHEEL	66
12C211	2X3X5/8 T18R PLUG-STEEL	63	12E444	7X1 36GR BENCH GR WHEEL	66

Order No.	Description	Page	Order No.	Description	Page
12E447	7X1 60GR BENCH GR WHEEL	66	13D007	WALTER 5/8 TO 3/8-16 ADAPTOR	242
12E449	7X1 80GR BENCH GR WHEEL	66	13D008	WALTER 3/8X1/4 MANDREL/BRUSH	242
12E533	8X7/8 24GR BENCH GR WHEEL	66	13D009	WALTER 1/2X1/4 MANDREL/BRUSH	242
12E537	8X7/8 60GR BENCH GR WHEEL	66	13D300	WALTER 3M10X1.25 CUP BRUSH	120
12E543	8X1 24GR BENCH GR WHEEL	66	13D302	WALTER 3M14X2 CUP BRUSH	120
12E545	8X1 46GR BENCH GR WHEEL	66	13D304	WALTER WALTER 3 5/8-11 CUP BRUSH	120
12E547	8X1 60GR BENCH GR WHEEL	66	13D312	WALTER 3 M14X2.0 ST ST CUP BRUSH	120
12E549	8X1 80GR BENCH GR WHEEL	66	13D314	WALTER 3 5/8-11 ST ST CUP BRUSH	120
12E553	8X1-1/4 24 BENCH GR WHEEL	66	13D324	WALTER 3 5/8-11 CRIMPED CUP BRUSH	120
12E557	8X1-1/4 60 BENCH GR WHEEL	66	13D424	WALTER 4 5/8-11 CRIMPED CUP BRUSH	120
12E643	10X1 24GR BENCH GR WHEEL	66	13D524	WALTER 5 5/8-11 CRIMPED CUP BRUSH	120
12E647	10X1 60GR BENCH GR WHEEL	66	13E514	WALTER 5 5/8-11 ST ST CUP BRUSH	120
12E649	10X1 80GR BENCH GR WHEEL	66	13F300	WALTER 3 M10X1.25 CUP BRUSH	120
12E657	10X1-1/4 60 BENCH GR WHEEL	66	13F301	WALTER 3 M10X1.5 CUP BRUSH	120
13B015	WALTER BUSHING 1-7/8-3/4-5/8-1/2	126	13F302	WALTER 3 M14X2.0 CUP BRUSH	120
13B040	WALTER 4 BENCH GRINDER BRUSHES	126	13F303	WALTER 3 1/2-13 CUP BRUSH	120
13B060	WALTER 6 BENCH GRINDER BRUSHES	126	13F304	WALTER 3 5/8-11 CUP BRUSH	120
13B061	WALTER 6 BENCH GRINDER BRUSHES	126	13F310	WALTER 3 M10X1.25 STST CUP BRUSH	120
13B065	WALTER 6X3/4 BENCH GRINDER BRUSH	126	13F312	WALTER 3 M14X2.0 ST ST CUP BRUSH	120
13B070	WALTER 7 BENCH GRINDER BRUSHES	126	13F314	WALTER 3 5/8-11 ST ST CUP BRUSH	120
13B075	WALTER 7X3/4 BENCH GRINDER BRUSH	126	13F354	WALTER 3 5/8-11 CUP BRUSH	120
13B080	WALTER 8 BENCH GRINDER BRUSHES	126	13G302	WALTER 3 M14 2.0 CUP BRUSH	121
13B082	WALTER 8X1/2 CRIMPED BENCH WHEEL	126	13G303	WALTER 3 1/2-13 CUP BRUSH	121
13B085	WALTER 8X3/4 BENCH GRINDER BRUSH	126	13G304	WALTER 3 5/8-11 CUP BRUSH	121
13B100	WALTER 10 BENCH GRINDER BRUSH	126	13G312	WALTER 3 M14X2.0 ST ST CUP BRUSH	121
13B160	WALTER 6STST BENCH GRINDER BRUSH	126	13G314	WALTER 3 5/8-11 ST ST CUP BRUSH	121
13B165	WALTER 6X3/4STST BENCH GR BRUSH	126	13G404	WALTER 4 5/8-11 CUP BRUSH	121
13B180	WALTER 8STST BENCH GRINDER BRUSH	126	13G504	WALTER 5 5/8-11 CUP BRUSH	121
13B185	WALTER 8X3/4STST BENCH GR BRUSH	126	13G514	WALTER 5 5/8-11 ST ST CUP BRUSH	121
13B260	WALTER 6 KNOT TWIST BENCH GR BRUSH	126	13G554	WALTER 5 5/8-11 CUP BRUSH	121
13B280	WALTER 8 KNOT TWIST BENCH GR BRUSH	126	13G574	WALTER 5 5/8-11 CUP BRUSH WITH RING	121
13C003	WALTER 1/2X.010 MTD END BRUSH	124	13G584	WALTER 5 5/8-11 ST CUP BRUSH WITH RING	121
13C005	WALTER 1/2X.020 MTD END BRUSH	124	13G604	WALTER 6 5/8-11 CUP BRUSH	121
13C008	WALTER 3/4X.014 MTD END BRUSH	124	13H404	WALTER 4X5/8 SAUCER CUP BRUSH	123
13C015	WALTER 1-1/2 MOUNTED CUP BRUSH	124	13H414	WALTER 4X5/8 SS SAUCER CUP BRUSH	123
13C018	WALTER 2-3/8 MOUNTED CUP BRUSH	124	13H454	WALTER 4 X 5/8 CRIMPED SAUCER BRUSH	123
13C020	WALTER 1-1/8 MOUNTED END BRUSH	125	13H504	WALTER 5 5/8 SAUCER CUP BRUSH	123
13C028	WALTER 3/4 MOUNTED BRUSH	124	13H514	WALTER 5X5/8 SS SAUCER CUP BRUSH	123
13C053	WALTER 1/2X.010 END BRUSH-ST.ST.	124	13H554	WALTER 5 X 5/8 CRIMPED SAUCER BRUSH	123
13C055	WALTER 1/2X.020 END BRUSH-ST ST	124	13H604	WALTER 6X5/8 KNOT-TWISTED SAUCER BRUSH	123
13C058	WALTER 3/4X.014 END BRUSH-ST ST	124	13H614	WALTER 6 X 5/8 ST KNOT SAUCER BRUSH	123
13C065	WALTER 1-1/2 MTD CUP BRUSH-ST ST	124	13H654	WALTER 6 X 5/8 CRIMPED SAUCER BRUSH	123
13C068	WALTER 2-3/8 MTD CUP BRUSH-ST ST	124	13H704	WALTER 7X5/8 SAUCER CUP BRUSH	123
13C070	WALTER 1-1/8 MTD END BRUSH-ST ST	125	13H714	WALTER 7X5/8 SS SAUCER CUP BRUSH	123
13C078	WALTER 3/4 CON. CRIMP. BRUSH S/S	124	13J454	WALTER 4-1/2 X 5/8 STEEL WIRES	122
13C110	WALTER 1-3/8 MOUNTED WHEEL BRUSH	124	13J464	WALTER 4-1/2 X 5/8 WITH S/S WIRES	122
13C120	WALTER 2 MOUNTED WHEEL BRUSH	124	13J504	WALTER 5 X 5/8 WITH STEEL WIRES	122
13C123	WALTER 3 X1/4 MOUNTED WHEEL BRUSH	124	13J514	WALTER 5 X 5/8 WITH S/S WIRES	122
13C125	WALTER 3 MOUNTED WHEEL BRUSH	124	13J604	WALTER 6 X 5/8 STEEL WIRES	122
13C128	WALTER 4 X1/4 MOUNTED WHEEL BRUSH	124	13J614	WALTER 6 X 5/8 WITH S/S WIRES	122
13C130	WALTER 2-3/4 MOUNTED WHEEL BRUSH	125	13K404	WALTER 4X3/16X5/8-11 KNOT BRUSH	122
13C160	WALTER 1-3/8MTD WHEEL BRUSH-STST	124	13K414	WALTER 4X3/16X5/8 STST KNOT BRUSH	122
13C170	WALTER 2 MTD WHEEL BRUSH-ST ST	124	13K454	WALTER 4-1/2X3/16X5/8-11 BRUSH	122
13C173	WALTER 3X1/4" MTD WHEEL BRUSH, STST	124	13K464	WALTER 4-1/2X3/16X5/8-11 SS BRUSH	122
13C175	WALTER 3 MTD WHEEL BRUSH-ST ST	124	13K504	WALTER 5X1/4X5/8-11 KNOT BRUSH	122
13C178	"WALTER 4 X1/4 MTD WHEEL BRUSH, STST"	124	13K514	WALTER 5X1/4X5/8 ST ST KNOT BRUSH	122
13C180	WALTER 2-3/4MTD WHEEL BRUSH-STST	125	13K604	WALTER 6X1/4X5/8-11 KNOT BRUSH	122
13C215	WALTER 1-1/2 X 1/4 SPHER. S/WIRES	124	13K614	WALTER 6X1/4X5/8 ST ST KNOT BRUSH	122
13C225	WALTER 2 X 1/4 SPHER. S/WIRES	124	13K654	WALTER 6-7/8X1/4X5/8 KNOT BRUSH	122
13C230	WALTER 3 X 1/4 SPHER. S/WIRES	124	13L404	WALTER 4X3/8/5/8-11 KNOT BRUSH	122
13C265	WALTER 1-1/2 X 1/4 SPHER. S/S WIRES	124	13L414	WALTER 4X1/4X5/8 STST KNOT BRUSH	122
13C270	WALTER 3 MOUNTED SAUCER BRUSH	125	13L454	WALTER 4-1/2X3/8X5/8-11 BRUSH	122
13C275	WALTER 2 X 1/4 SPHER. S/S WIRES	124	13L464	WALTER 4-1/2X1/4X5/8-11 SS BRUSH	122
13C280	WALTER 3 X 1/4 SPHER. S/S WIRES	124	13L504	WALTER 5X3/8X5/8-11 KNOT BRUSH	122
13C303	WALTER 3 X 1/2 KNOT TWIST WHEEL	125	13L514	WALTER 5X3/8X5/8 ST ST KNOT BRUSH	122
13C370	WALTER 3 MOUNTED WHEEL CUP BRUSH	125	13L604	WALTER 6X3/8X5/8-11 KNOT BRUSH	122
13C404	WALTER 4 X 1/2 KNOT TWIST WHEEL	125	13L614	WALTER 6X3/8X5/8 ST ST KNOT BRUSH	122
13D001	WALTER 5/8-M10X1.25 ADAPTOR	242	13M454	WALTER 4-1/2 X 2 STEEL WIRES 0.01	99
13D002	WALTER 5/8-M10X1.5 ADAPTOR	242	13M464	WALTER 4-1/2 X 2 S/S WIRES 0.01	99
13D003	WALTER 5/8 TO 3/8-24 ADAPTOR	242	14A904	9X11 GR40 COOLCUT SHEET	91
13D004	WALTER ADAPTOR 5/8-11 X 3/8-16	243	14A904A	9X11 GR40 COOLCUT SHEETS	91
13D005	WALTER 5/8-11 X 5/16-24 ADAPTOR	243	14A906	9X11 GR60 COOLCUT SHEET	91

Order No.	Description	Page	Order No.	Description	Page
14A906A	9X11 GR60 COOLCUT SHEETS	91	15A458	XTRACUT SANDING DISC 4-1/2" MEDIUM	81
14A908	9X11 GR80 COOLCUT SHEET	91	15A503	XTRACUT SANDING DISC 5" X-COARSE	81
14A908A	9X11 GR80 COOLCUT SHEET	91	15A506	XTRACUT SANDING DISC 5" COARSE	81
14A910	9X11 GR100 COOLCUT SHEET	91	15A508	XTRACUT SANDING DISC 5" MEDIUM	81
14A910A	9X11 GR100 COOLCUT SHEETS	91	15A703	XTRACUT SANDING DISC 7" X-COARSE	81
14A912	9X11 GR120 COOLCUT SHEET	91	15A706	XTRACUT SANDING DISC 7" COARSE	81
14A912A	9X11 GR120 COOLCUT SHEETS	91	15A708	XTRACUT SANDING DISC 7" MEDIUM	81
14A918	9X11 GR180 COOLCUT SHEET	91	15C452	4-1/2 GR24 COOLCUT DISCS	85
14A918A	9X11 GR180 COOLCUT SHEET	91	15C452V	4-1/2 GR24 COOLCUT DISCS-PKG 5	251
14A924	9X11 GR240 COOLCUT SHEET	91	15C453	4-1/2 GR36 COOLCUT DISCS	85
14A924A	9X11 GR240 COOLCUT SHEETS	91	15C453V	4-1/2 GR36 COOLCUT DISCS-PKG 5	251
14A932	9X11 GR320 COOLCUT SHEET	91	15C454	4-1/2 GR40 COOLCUT DISCS	85
14A932A	9X11 GR320 COOLCUT SHEET	91	15C454V	4-1/2 GR40 COOLCUT DISCS-PKG 5	251
14A990A	COOLCUT SHEETS MIX: 2XG320 2XG180 1XG80	91	15C455	4-1/2 GR50 COOLCUT DISCS	85
14B033	1/2 X 18 GR36 INOX PLUS	102	15C455V	4-1/2 GR50 COOLCUT DISCS-PKG 5	251
14B036	1/2 X 18 GR60 INOX PLUS	102	15C456	4-1/2 GR60 COOLCUT DISCS	85
14B038	1/2 X 18 GR80 INOX PLUS	102	15C456V	4-1/2 GR60 COOLCUT DISCS-PKG 5	251
14B042	1/2 X 18 GR120 INOX PLUS	102	15C458	4-1/2 GR80 COOLCUT DISCS	85
14B053	1/2 X 24 GR36 INOX PLUS	102	15C458V	4-1/2 GR80 COOLCUT DISCS-PKG 5	251
14B056	1/2 X 24 GR60 INOX PLUS	102	15C460	4-1/2 GR100 COOLCUT DISCS	85
14B058	1/2 X 24 GR80 INOX PLUS	102	15C460V	4-1/2 GR100 COOLCUT DISCS-PKG 5	251
14B062	1/2 X 24 GR120 INOX PLUS	102	15C462	4-1/2 GR120 COOLCUT DISCS	85
14B103	3/4 X 18 GR36 INOX PLUS	102	15C462V	4-1/2 GR120 COOLCUT DISCS-PKG 5	251
14B106	3/4 X 18 GR60 INOX PLUS	102	15C502	5" GR24 COOLCUT SAND DISCS	85
14B108	3/4 X 18 GR80 INOX PLUS	102	15C502V	5" GR24 COOLCUT SAND DISCS-PKG 5	251
14B112	3/4 X 18 GR120 INOX PLUS	102	15C503	5" GR36 COOLCUT SAND DISC	85
14B123	3/4 X 24 GR36 INOX PLUS	102	15C503V	5" GR36 COOLCUT SAND DISC-PKG 5	251
14B126	3/4 X 24 GR60 INOX PLUS	102	15C504	5" GR40 COOLCUT SAND DISCS	85
14B128	3/4 X 24 GR80 INOX PLUS	102	15C504V	5" GR40 COOLCUT SAND DISCS-PKG 5	251
14B132	3/4 X 24 GR120 INOX PLUS	102	15C505	5" GR50 COOLCUT SAND DISC	85
14C106	1X50M A60 SHOP ROLL	91	15C505V	5" GR50 COOLCUT SAND DISC-PKG 5	251
14C108	1X50 YDS A80 SHOP ROLL	91	15C506	5" GR60 COOLCUT SAND DISCS	85
14C110	1X50 YDS A100 SHOP ROLL	91	15C506V	5" GR60 COOLCUT SAND DISCS-PKG 5	251
14C112	1X50 YDS A120 SHOP ROLL	91	15C508	5" GR80 COOLCUT SAND DISCS	85
14C118	1X50YDS A180 SHOP ROLL	91	15C508V	5" GR80 COOLCUT SAND DISCS-PKG 5	251
14C124	1X50YDS A240 SHOP ROLL	91	15C510	5" GR100 COOLCUT SAND DISC	85
14C132	1X50YDS A320 SHOP ROLL	91	15C510V	5" GR100 COOLCUT SAND DISC-PKG 5	251
14C206	1-1/2X50YDS A60 SHOP ROLL	91	15C512	5" GR120 COOLCUT SAND DISC	85
14C208	1-1/2X50YDS A80 SHOP ROLL	91	15C512V	5" GR120 COOLCUT SAND DISC-PKG 5	251
14C210	1-1/2X50 YDS A100 SHOP ROLL	91	15C702	7" GR24 COOLCUT SAND DISCS	85
14C212	1-1/2X50YDS A120 SHOP ROLL	91	15C703	7" GR36 COOLCUT SAND DISCS	85
14C218	1-1/2X50YDS A180 SHOP ROLL	91	15C704	7" GR40 COOLCUT SAND DISCS	85
14C224	1-1/2X50YDS A240 SHOP ROLL	91	15C705	7" GR50 COOLCUT SAND DISCS	85
14C232	1-1/2X50YDS A320 SHOP ROLL	91	15C706	7" GR60 COOLCUT SAND DISCS	85
14C306	2X50YDS A60 SHOP ROLL	91	15C708	7" GR80 COOLCUT SAND DISCS	85
14C308	2X50YDS A80 SHOP ROLL	91	15C710	7" GR100 COOLCUT SAND DISC	85
14C310	2X50YDS A100 SHOP ROLL	91	15C712	7" GR120 COOLCUT SAND DISC	85
14C312	2X50YDS A120 SHOP ROLL	91	15D010	M10X1.25 CLAMPING NUT	241
14C318	2X50YDS A180 SHOP ROLL	91	15D014	5/8-11 CLAMPING NUT	241
14C324	2X50YDS A240 SHOP ROLL	91	15D015	3/8"-24 CLAMP NUT/4" PAD	241
14C332	2X50YDS A320 SHOP ROLL	91	15D024	5/8"-11 CLAMP NUT FOR 4-1/2"- 5" RUBBER	87
14D033	1/2 X 18 GR36 TOPCUT PLUS	102	15D027	7" BACKING PAD	87
14D036	1/2 X 18 GR60 TOPCUT PLUS	102	15D030	4" M10X1.25 BACKING PAD	86
14D038	1/2 X 18 GR80 TOPCUT PLUS	102	15D035	4" 3/8"-24 BACKING PAD	86
14D053	1/2 X 24 GR36 TOPCUT PLUS	102	15D044	4-1/2" 5/8-11 BACKING PAD	86
14D056	1/2 X 24 GR60 TOPCUT PLUS	102	15D054	5" 5/8-11 BACKING PAD	86
14D058	1/2 X 24 GR80 TOPCUT PLUS	102	15D064	6" BACKING PAD , 5/8"-11	86
14D103	3/4 X 18 GR36 TOPCUT PLUS	102	15D127	RUBBER BACKING PAD 7X5/8-11	87
14D106	3/4 X 18 GR60 TOPCUT PLUS	102	15D144	RUBBER BACKING PAD 4-1/2X5/8-11	87
14D108	3/4 X 18 GR80 TOPCUT PLUS	102	15D154	RUBBER BACKING PAD 5X5/8-11	87
14D123	3/4 X 24 GR36 TOPCUT PLUS	102	15E124	2X1 FINE 2IN1 FLAP WHEEL	88
14D126	3/4 X 24 GR60 TOPCUT PLUS	102	15E126	2X1 E-FINE 2IN1 FLAP WHEEL	88
14D128	3/4 X 24 GR80 TOPCUT PLUS	102	15E162	3X1-3/4 MED 2IN1 FLAP WHL	88
14D926	1/4X24 GR60 TOPCUT PLUS	102	15E164	3X1-3/4 FINE 2IN1 FLAP WHL	88
14D928	1/4X24 GR80 TOPCUT PLUS	102	15E166	3X1-3/4 E-FINE 2IN1 FLP WH	88
14E001	RUBBER CLEANING STICK	97	15E167	3X1-3/4 X-FINE 2IN1 FLP WH	88
14X154	760mm X 40mm, COOLCUT XX BELT, GR 40	101	15E168	3X1-3/4 POLISH 2IN1 WHEEL	88
14X156	760mm X 40mm, COOLCUT XX BELT, GR 60	101	15E295	6X1 FINE 2IN1 FLAP WHEEL	88
14X158	760mm X 40mm, COOLCUT XX BELT, GR 80	101	15E296	6X1 X-FINE 2IN1 FLAP WHEEL	88
14X162	760mm X 40mm, COOLCUT XX BELT, GR 120	101	15E652	3X1-1/2 MEDIUM THREADED 2IN1	88
15A453	XTRACUT SANDING DISC 4-1/2" X-COARSE	81	15E654	3X1-1/2 FINE THREADED 2IN1	88
15A456	XTRACUT SANDING DISC 4-1/2" COARSE	81	15E656	3X1-1/2 E-FINE THREAD 2IN1	88

Order No.	Description	Page	Order No.	Description	Page
15E658	3X1-1/2 POLISH THREAD 2IN1	88	15L703	7" GR36 FLEXCUT	77
15F004	1-1/2X3/8X40 FLAP WHEEL	89	15L706	7" GR60 FLEXCUT	77
15F006	1-1/2X3/8X60 FLAP WHEEL	89	15L710	7" GR100 FLEXCUT	77
15F008	1-1/2X3/8X80 FLAP WHEEL	89	15L843	4-1/2" GR 36 FLEXCUT/MILL SCALE	78
15F012	1-1/2X3/8X120 FLAP WHEEL	89	15L853	5" GR 36 FLEXCUT/MILL SCALE	78
15F054	1X3/8X40 FLAP WHEEL	89	15L863	6" GR 36 FLEXCUT/MILL SCALE	78
15F056	1X3/8 GR60 FLAP WHEEL	89	15L873	7" GR 36 FLEXCUT/MILL SCALE	78
15F058	1X3/8 GR80 FLAP WHEEL	89	15M007	7" TURBO-ACTION PAD-BLACK	86
15F062	1X3/8 GR120 FLAP WHEEL	89	15M008	7" TURBO-ACTION PAD-WHITE	86
15F104	1-1/2X1X40 FLAP WHEEL	89	15M014	5/8"-11 CLAMPING NUT	241
15F106	1-1/2X1X60 FLAP WHEEL	89	15M044	4-1/2" TURBO PAD - BLACK	86
15F108	1-1/2X1X80 FLAP WHEEL	89	15M045	4-1/2" TURBO PAD - WHITE	86
15F112	1-1/2X1X120 FLAP WHEEL	89	15M054	5" TURBO PAD - BLACK	86
15F124	1-1/2 X 1" X 240 FLAP WHEEL	89	15M055	5" TURBO PAD-WHITE	86
15F154	1X1X40 FLAP WHEEL	89	15M064	6" TURBO PAD - BLACK	86
15F158	1 X 1 GR80 FLAP WHEEL	89	15M065	6" TURBO PAD - WHITE	86
15F162	1 X 1 GR120 FLAP WHEEL	89	15M144	4-1/2" QCK CHANGE TURBO PAD - BLACK	87
15F204	2X3/8X40 FLAP WHEEL	89	15M145	4-1/2" QCK CHANGE TURBO PAD - WHITE	87
15F206	2X3/8X60 FLAP WHEEL	89	15M154	5" QCK CHANGE TURBO PAD - BLACK	87
15F208	2X3/8X80 FLAP WHEEL	89	15M155	5" QCK CHANGE TURBO PAD - WHITE	87
15F212	2X3/8X120 FLAP WHEEL	89	15M157	7" QCK CHANGE TURBO PAD - BLACK	87
15F304	2X1X40 FLAP WHEEL	89	15M158	7" QCK CHANGE TURBO PAD - WHITE	87
15F306	2X1X60 FLAP WHEEL	89	15P452	4-1/2" GR24 TOPCUT DISCS	84
15F308	2X1X80 FLAP WHEEL	89	15P452V	4-1/2" GR24 TOPCUT DISCS-PKG 5	251
15F312	2X1X120 FLAP WHEEL	89	15P453	4-1/2" GR36 TOPCUT DISCS	84
15F324	2 X 1" X 240 FLAP WHEEL	89	15P453V	4-1/2" GR36 TOPCUT DISCS-PKG 5	251
15F504	2-1/2X1-1/2X40 FLAP WHEEL	89	15P456	4-1/2" GR60 TOPCUT DISCS	84
15F506	2-1/2X1-1/2X60 FLAP WHEEL	89	15P456V	4-1/2" GR60 TOPCUT DISCS-PKG 5	251
15F508	2-1/2X1-1/2X80 FLAP WHEEL	89	15P458	4-1/2" GR80 TOPCUT DISCS	84
15F512	2-1/2X1-1/2X120 FLAP WHEEL	89	15P458V	4-1/2" GR80 TOPCUT DISCS-PKG 5	251
15F524	2-1/2X1-1/2"X240 FLAP WHEEL	89	15P502	5" GR24 TOPCUT SAND DISCS	84
15F704	3X1X40 FLAP WHEEL	89	15P502V	5" GR24 TOPCUT SAND DISCS-PKG 5	251
15F706	3X1X60 FLAP WHEEL	89	15P503	5" GR36 TOPCUT SAND DISCS	84
15F708	3X1X80 FLAP WHEEL	89	15P503V	5" GR36 TOPCUT SAND DISCS-PKG 5	251
15F712	3X1X120 FLAP WHEEL	89	15P506	5" GR60 TOPCUT SAND DISCS	84
15F804	3X1-1/2X40 FLAP WHEEL	89	15P506V	5" GR60 TOPCUT SAND DISCS-PKG 5	251
15F806	3X1-1/2X60 FLAP WHEEL	89	15P508	5" GR80 TOPCUT SAND DISCS	84
15F808	3X1-1/2X80 FLAP WHEEL	89	15P508V	5" GR80 TOPCUT SAND DISCS-PKG 5	251
15F812	3X1-1/2X120 FLAP WHEEL	89	15P702	7" GR24 TOPCUT SAND DISCS	84
15F824	3X1-1/2X240 FLAP WHEEL	89	15P703	7" GR36 TOPCUT SAND DISCS	84
15F904	3X2X40 FLAP WHEEL	89	15P706	7" GR60 TOPCUT SAND DISCS	84
15F906	3X2X60 FLAP WHEEL	89	15P708	7" GR80 TOPCUT SAND DISCS	84
15F908	3X2X80 FLAP WHEEL	89	15Q454	4-1/2 GR40 ENDUROFLEX-ST ST	72
15F912	3X2X120 FLAP WHEEL	89	15Q456	4-1/2 GR60 ENDUROFLEX-ST ST	72
15G206	6-1/2X1 GR60 FLAP WH	88	15Q458	4-1/2 GR80 ENDUROFLEX-ST ST	72
15G208	6-1/2X1 GR80 FLAP WH	88	15Q462	4-1/2 GR120 ENDUROFLEX-ST ST	72
15G212	6-1/2X1 GR120 FLAP WH	88	15Q504	5" GR40 ENDUROFLEX-ST ST	72
15G306	6-1/2X2X60 FLAP WHEEL	88	15Q506	5" GR60 ENDUROFLEX-ST ST	72
15G308	6-1/2X2X80 FLAP WHEEL	88	15Q508	5" GR80 ENDUROFLEX-ST ST	72
15G312	6-1/2X2X120 FLAP WHEEL	88	15Q512	5" GR120 ENDUROFLEX-ST ST	72
15G962	FLANGE ADAPTOR 5/8" - PKG/1 PAIR	88	15Q704	7" GR40 ENDURO-FLEX-ST ST	72
15H014	5/8"-11 CLAMPING NUT FOR 6-7" BACK PADS	241	15Q706	7" GR60 ENDURO-FLEX-ST ST	72
15H025	5/8"-11 CLAMPING NUT FOR 7" RUBBER PADS	241	15Q708	7" GR80 ENDURO-FLEX-ST ST	72
15I451	ENDURO-FLEX 2-IN-1 TURBO, 4.5" SPIN-ON	73	15Q712	7" GR120 ENDURO-FLEX-ST ST	72
15I453	ENDURO-FLEX 2-IN-1, 4.5" SPIN-ON	73	15R454	4-1/2GR40 ENDUROFLEX DISC	69
15I501	ENDURO-FLEX 2-IN-1 TURBO, 5" SPIN-ON	73	15R456	4-1/2GR60 ENDUROFLEX DISC	69
15I503	ENDURO-FLEX 2-IN-1, 5" SPIN-ON	73	15R458	4-1/2GR80 ENDUROFLEX DISC	69
15L303	3" GR 36 FLEXCUT	77	15R462	4-1/2GR120 ENDUROFLEX DISC	69
15L306	3" GR60 FLEXCUT	77	15R504	5" GR40 ENDUROFLEX DISC	69
15L453	4-1/2" GR36 FLEXCUT SPIN-ON	77	15R506	5" GR60 ENDUROFLEX DISC	69
15L456	4-1/2" GR60 FLEXCUT SPIN-ON	77	15R508	5" GR80 ENDUROFLEX DISC	69
15L460	4-1/2" GR100 FLEXCUTSPIN-ON	77	15R512	5" GR120 ENDUROFLEX DISC	69
15L463	4-1/2" X 7/8 GR36 FLEXCUT	77	15R604	6" GR40 ENDUROFLEX DISC	69
15L503	5" GR36 FLEXCUT SPIN-ON	77	15R606	6" GR60 ENDUROFLEX DISC	69
15L506	5" GR60 FLEXCUT SPIN-ON	77	15R608	6" GR80 ENDUROFLEX DISC	69
15L510	5" GR100 FLEXCUT SPIN-ON	77	15R612	6" GR120 ENDURO-FLEX DISC	69
15L513	5" X 7/8 GR36 FLEXCUT	77	15R704	7" GR40 ENDURO-FLEX DISC	69
15L516	5" X 7/8 GR60 FLEXCUT	77	15R706	7" GR60 ENDURO-FLEX DISC	69
15L602	6" X 5/8-11 GR 24 FLEXCUT	77	15R708	7" GR80 ENDURO-FLEX DISC	69
15L603	6" X 5/8-11 GR 36 FLEXCUT	77	15R712	7" GR120 ENDURO-FLEX DISC	69
15L606	6" GR 60 FLEXCUT	77	15T453	4-1/2" X 7/8 GR36 ERGOFLEX	76
15L702	7" GR24 FLEXCUT	77	15T456	4-1/2" X 7/8 GR60 ERGOFLEX	76

Order No.	Description	Page
15T458	4-1/2" X 7/8 GR80 ERGOFLEX	76
15T503	5" X 7/8 GR36 ERGOFLEX	76
15T506	5" X 7/8 GR60 ERGOFLEX	76
15T508	5" X 7/8 GR80 ERGOFLEX	76
15T603	6" X 7/8 GR36 ERGOFLEX	76
15T606	6" X 7/8 GR60 ERGOFLEX	76
15T608	6" X 7/8 GR80 ERGOFLEX	76
15T703	7" X 7/8 GR36 ERGOFLEX	76
15T706	7" X 7/8 GR60 ERGOFLEX	76
15T708	7" X 7/8 GR80 ERGOFLEX	76
15U704	7" X 7/8 GR40 ENDURO-FLEX ALU	71
15U706	7" X 7/8 GR60 ENDURO-FLEX ALU	71
15U708	7" X 7/8 GR80 ENDURO-FLEX ALU	71
15V412	4-1/2 GR120 QUICK STEP XX DISCS	106
15V412V	4-1/2 GR120 QUICK STEP XX DISCS-PKG 5	251
15V418	4-1/2 GR180 QUICK STEP XX DISCS	106
15V418V	4-1/2 GR180 QUICK STEP XX DISCS-PKG 5	251
15V424	4-1/2 GR240 QUICK STEP XX DISCS	106
15V424V	4-1/2 GR240 QUICK STEP XX DISCS-PKG 5	251
15V512	5" GR120 QUICK STEP XX DISCS	106
15V512V	5" GR120 QUICK STEP XX DISCS-PKG 5	251
15V518	5" GR180 QUICK STEP XX DISCS	106
15V518V	5" GR180 QUICK STEP XX DISCS-PKG 5	251
15V524	5" GR240 QUICK STEP XX DISCS	106
15V524V	5" GR240 QUICK STEP XX DISCS-PKG 5	251
15V612	6" GR120 QUICK STEP XX DISCS	106
15V612V	6" GR120 QUICK STEP XX DISCS-PKG 5	251
15V618	6" GR180 QUICK STEP XX DISCS	106
15V618V	6" GR180 QUICK STEP XX DISCS-PKG 5	251
15V624	6" GR240 QUICK STEP XX DISCS	106
15V624V	6" GR240 QUICK STEP XX DISCS-PKG 5	251
15X452	4-1/2 GR24 COOLCUT XX DISCS	82
15X452V	4-1/2 GR24 COOLCUT XX DISCS-PKG 5	250
15X453	4-1/2 GR36 COOLCUT XX DISCS	82
15X453B	4-1/2 GR36 COOLCUT XX	82
15X453V	4-1/2 GR36 COOLCUT XX DISCS-PKG 5	250
15X455	4-1/2 GR50 COOLCUT XX	82
15X455B	4-1/2 GR50 COOLCUT XX	82
15X455V	4-1/2 GR50 COOLCUT XX-PKG 5	250
15X456	4-1/2 GR60 COOLCUT XX DISCS	82
15X456B	4-1/2 GR60 COOLCUT XX	82
15X456V	4-1/2 GR60 COOLCUT XX DISCS-PKG 5	250
15X458	4-1/2 GR80 COOLCUT XX DISCS	82
15X458B	4-1/2 GR80 COOLCUT XX DISCS	82
15X458V	4-1/2 GR80 COOLCUT XX DISCS-PKG 5	250
15X460	4-1/2 GR100 COOLCUT XX	82
15X460V	4-1/2 GR100 COOLCUT XX-PKG 5	250
15X462	4-1/2 GR120 COOLCUT XX DISCS	82
15X462V	4-1/2 GR120 COOLCUT XX DISCS-PKG 5	250
15X473	4.5"GR36 COOLCUT XX/Q. CHANGE	83
15X473V	4.5"GR36 COOLCUT XX/Q. CHANGE-PKG 5	250
15X475	4.5"GR50 COOLCUT XX/Q. CHANGE	83
15X475V	4.5"GR50 COOLCUT XX/Q. CHANGE-PKG 5	250
15X476	4.5"GR60 COOLCUT XX/Q. CHANGE	83
15X476V	4.5"GR60 COOLCUT XX/Q. CHANGE-PKG 5	250
15X478	4.5"GR80 COOLCUT XX/Q. CHANGE	83
15X478V	4.5"GR80 COOLCUT XX/Q. CHANGE-PKG 5	250
15X482	4.5"GR120 COOLCUT XX/Q. CHANGE	83
15X482V	4.5"GR120 COOLCUT XX/Q. CHANGE-PKG 5	250
15X502	5" GR24 COOLCUT XX DISCS	82
15X502V	5" GR24 COOLCUT XX DISCS-PKG 5	250
15X503	5" GR36 COOLCUT XX DISCS	82
15X503B	5" GR36 COOLCUT XX	82
15X503V	5" GR36 COOLCUT XX DISCS-PKG 5	250
15X505	5" GR50 COOLCUT XX	82
15X505B	5" GR50 COOLCUT XX	82
15X505V	5" GR50 COOLCUT XX-PKG 5	250
15X506	5" GR60 COOLCUT XX DISCS	82
15X506B	5" GR60 COOLCUT XX	82
15X506V	5" GR60 COOLCUT XX DISCS-PKG 5	250
15X508	5" GR80 COOLCUT XX DISCS	82
15X508B	5" GR80 COOLCUT XX DISCS	82

Order No.	Description	Page
15X508V	5" GR80 COOLCUT XX DISCS-PKG 5	250
15X510	5" GR100 COOLCUT XX	82
15X510V	5" GR100 COOLCUT XX-PKG 5	250
15X512	5" GR120 COOLCUT XX DISCS	82
15X512V	5" GR120 COOLCUT XX DISCS-PKG 5	250
15X523V	5" GR36 COOLCUT XX / Q. CHANGE-PKG 5	250
15X525	5" GR50 COOLCUT XX / Q. CHANGE	83
15X525V	5" GR50 COOLCUT XX / Q. CHANGE-PKG 5	250
15X526	5" GR60 COOLCUT XX / Q. CHANGE	83
15X526V	5" GR60 COOLCUT XX / Q. CHANGE-PKG 5	250
15X528	5" GR80 COOLCUT XX / Q. CHANGE	83
15X528V	5" GR80 COOLCUT XX / Q. CHANGE-PKG 5	250
15X532	5" GR120 COOLCUT XX / Q. CHANGE	83
15X532V	5" GR120 COOLCUT XX / Q. CHANGE-PKG 5	250
15X602	6" GR24 COOLCUT XX DISCS	82
15X602V	6" GR24 COOLCUT XX DISCS-PKG 5	250
15X603	6" GR36 COOLCUT XX DISCS	82
15X603V	6" GR36 COOLCUT XX DISCS-PKG 5	250
15X605	6" GR50 COOLCUT XX DISCS	82
15X605V	6" GR50 COOLCUT XX DISCS-PKG 5	250
15X606	6" GR60 COOLCUT XX DISCS	82
15X606V	6" GR60 COOLCUT XX DISCS-PKG 5	250
15X608	6" GR80 COOLCUT XX DISCS	82
15X608V	6" GR80 COOLCUT XX DISCS-PKG 5	250
15X610	6" GR100 COOLCUT XX DISCS	82
15X610V	6" GR100 COOLCUT XX DISCS-PKG 5	250
15X612	6" GR120 COOLCUT XX DISCS	82
15X612V	6" GR120 COOLCUT XX DISCS-PKG 5	250
15X702	7" GR24 COOLCUT XX DISCS	82
15X703	7" GR36 COOLCUT XX DISCS	82
15X705	7" GR50 COOLCUT XX	82
15X706	7" GR60 COOLCUT XX DISCS	82
15X708	7" GR80 COOLCUT XX DISCS	82
15X710	7" GR100 COOLCUT XX	82
15X712	7" GR120 COOLCUT XX DISCS	82
15X723	7" GR36 COOLCUT XX / Q. CHANGE	83
15X726	7" GR60 COOLCUT XX / Q. CHANGE	83
15X728	7" GR80 COOLCUT XX / Q. CHANGE	83
15X732	7" GR120 COOLCUT XX / Q. CHANGE	83
30A141	6141 DIALSPEED GRINDER	183
30A145	6145 STRAIGHT GRINDER	184
30A150	6150 SUPER-5 GRINDER	173
30A153	6153 SUPER-5 PADDLE SWITCH	173
30A157	6157 PRO-5 GRINDER	173
30A161	6161 MINI-GRINDER	172
30A163	6163 MINI-GRINDER/PADDLE SWITCH	172
30A170	6170 7" MAXI GRINDER	176
30A190	6190 9" MAXI GRINDER	176
30A255	6255 MINI-PLUS GRINDER	172
30A260	6260 BIG-6 GRINDER	174
30A263	6263 BIG-6/PADDLE SWITCH	174
30A265	6265 BIG-BUFF POLI/SANDER	179
30A267	6265 BIG-BUFF KIT	179
30A268	6268 LINE-MATE DRUM SANDER	182
30A269	LINE-MATE KIT	99
30A275	QUICK-STEP SANDER/POLISHER	178
30A277	QUICK-STEP SANDER/POLISHER KIT 120V	178
30A287	ULTI-MATE FINISHING KIT, 120V	112
30A289	RAIL-MATE, TUBE FINISHING TOOL&KIT	181
30A560	IRONMAN GRINDER 5"/6"	175
30A563	IRONMAN GRINDER 5"/6" PS	175
30A606	STRAIGHT-MATE, 6" 110V STRAIGHT GRINDER	177
30A607	STRAIGHT-MATE FINISHING KIT	177
30B002	BENCH MOUNT COMPLETE	243
30B010	CARRYING CASE-GRIND./DRILL	242
30B017	FLANGE FOR 5/8"SPINDLE	42
30B020	QUICK NUT 5/8"-11	242
30B021	5/8"-11 MOUNTING SET	42
30B022	3"X5/8"-11 FLANGE SET	42
30B024	SPIN-ON PERFORMANCE KIT	242
30B027	FLANGE RETENTION RING-PKG/10	242
30B030	5/8"-11 MOUNTING SET/ERGOFLEX	76

Order No.	Description	Page	Order No.	Description	Page
30B031	ERGOFLANGE 1/4" - PKG/5	76	53C558	AF-PL LIQUID/200L	186
30B037	5/8" CLAMP NUT	242	53C712	CONTACT CLEAN/12 OZ	189
30B046	1/4 IN COLLET 6141/6145D	243	53D102	CHAIN GANG SPRAY/400 ML	191
30B047	1/8 IN COLLET 6141/6145D	243	53D602	FOOD ZONE AEROSOL/400ML	190
30B048	6MM COLLET 6141/6145	243	53D652	FOOD ZONE V AEROSOL/400ML	190
30B050	1/4 FLEXIBLE SHAFT-6141	243	53D812	HANG-ON SPRAY/400ML	192
30B051	3"CUT-OFF GUARD/DIE GRINDER	183, 184	53D817	HANG-ON LIQUID/20L	192
30B057	5/8"-BACK FLANGE FOR SPINDLE	172	53D852	ROCK 'N' ROLL SPRAY/400ML	193
30B065	CUTTING WHEEL GUARD 7"	243	53D854	ROCK 'N' ROLL PASTE/255G	193
30B066	CUTTING WHEEL GUARD 9"	243	53D882	COLD SHOCK AEROSOL/400ml	193
30B075	ANTI-VIBRATION HANDLE, 4.5/5/6" GRINDERS	242	53D892	BOLT-OUT AEROSOL /400ML	192
30B093	WALTER GLOVES, LARGE	38	53D893	BOLT-OUT SPRAYER/500ML	192
30B095	WALTER GLOVES, X-LARGE	38	53D897	BOLT-OUT LIQUID/20L	192
30G001	WALTER GRINDER GRIP, WALTER GRINDERS	170	53E102	OPEN GEAR SPRAY/400 ML	191
30G002	WALTER GRINDER GRIP, DEWALT GRINDERS	170, 243	53F002	SPATTER BLOCK AEROSOL/400ML	31
30G003	WALTER GRINDER GRIP, MAKITA GRINDERS	170, 243	53F103	1 X 1 GR60 FLAP WHEEL	29
30G004	WALTER GRINDER GRIP, MILWAUKEE GRINDERS	170, 243	53F203	E-WELD SPRAYER/500ML	31
30G005	WALTER GRINDER GRIP, HILTI GRINDERS	170, 243	53F205	E-WELD LIQUIDE 3.78 L	31
34B011	PLASTIC CLOSED GUARD, 5"	174, 175	53F207	E-WELD LIQUIDE/20 L	31
34B012	PLASTIC CLOSED GUARD, 6"	175	53F208	E-WELD LIQUID/208L	31
38A716	716 ELECTRIC DRILL	162	53F222	SPATTER BLOCK HT AEROSOL/400ML	31
39D050	ICECUT MINI LOW-PROFILE MAG. DRILL. UNIT	155	53F223	SPATTER BLOCK HT/500ML	31
39D100	ICECUT 100 MAG.DRILLING UNIT	157	53F225	SPATTER BLOCK HT LIQUIDE 3.78 L	31
39D200	ICECUT 200 MAG.DRILLING UNIT	157	53F227	SPATTER BLOCK HTLIQUIDE/20 L	31
39D250	ICECUT 250 MAG. DRILLING UNIT	159	53F228	SPATTER BOCK HT /208L	31
39D251	ICECUT 250-PIPES, MAG DRILL	159	53F252	E-WELD 3 AEROSOL /400 ML	32
39D300	ICECUT 300 MAG. DRILLING UNIT	161	53F253	E-WELD 3 500 ML	32
39D400	ICECUT 400 MAG. DRILLING UNIT	161	53F255	E-WELD 3 3.78 L	32
48L555	SIDE HANDLE, 6145 STRAIGHT GRDR	184	53F257	E-WELD 3/ 20 L	32
48M401	LARGE SIDE HANDLE, 7/9" GRINDERS	242	53F258	E-WELD 3/ 208L	32
48M441	WHEEL GUARD, 4.5"	172, 173	53F402	E-WELD 4 AEROSOL/400ML	32
48M444	WHEEL GUARD, 5"	172, 173	53F403	E-WELD 4 /500ML	32
48M446	WHEEL GUARD, 6"	174, 175, 178	53F405	E-WELD 4/ 3.78L	32
48M483	PIN KEY	176	53F407	E-WELD 4/ 20 L	32
48M517	9" GUARD	176	53F408	E-WELD 4/ 208 L	32
48Z019	OPEN END SPANNER 19MM	183	53F602	E-WELD PLASMA AEROSOL 400g	30
48Z148	PIN KEY	242	53F605	E-WELD PLASMA, 10Kg	30
48Z392	GEAR GREASE 100G	243	53F912	E-WELD NOZZLE AEROSOL KIT	28
48Z449	SEATING STONE(PK6)	243	53G001	CORROSION INHIBITOR/950ML	230
53A103	TAPCUT/350 ML	147	53G015	UNO S F 3.78 L	227
53A105	TAPCUT 3.78 L	147	53G017	UNO S F/ 20L	227
53A107	TAPCUT/20 L	147	53G018	UNO S F/ 208L	227
53B002	COOLCUT SPRAY/400 ML	194	53G019	UNO S F/ 1000 L	227
53B003	COOLCUT LIQUID/350 ML	194	53G023	UNO SF/500ML	227
53B004	COOLCUT SPRAYER/500ML	194	53G033	UNO S 500ML IND. STRENGTH DEGREASER	227
53B005	COOLCUT LIQUID 3.78 L	194	53G035	UNO S 3.78L	227
53B007	COOLCUT LIQUID/20 L	194	53G037	UNO S 20L	227
53B008	COOLCUT LIQUID/208 L	194	53G038	UNO S 208L IND. STRENGTH DEGREASER	227
53B013	COOLCUT LUB STICK/300 G	194	53G039	UNO S IND. STRENGTH DEGREASER 1000 L	227
53B202	STAINLESSCUT SPRAY/400ML	196	53G067	STAR 200/ 20 L	228
53B203	STAINLESSCUT LIQUID/350 ML	196	53G068	STAR 200/ 208L	228
53B205	STAINLESSCUT LIQUID 3.78 L	196	53G073	GOLD MATRIX READY, 500ML	228
53B303	ALUCUT LUB STICK/300 G	196	53G075	GOLD MATRIX READY, 3.78L	228
53C005	COOLCUT S-30 3.78 L	203	53G077	GOLD MATRIX READY, 20L	228
53C007	COOLCUT S-30/20 LTR	203	53G078	GOLD MATRIX READY, 208L	228
53C008	COOLCUT S-30 / 200L	203	53G079	GOLD MATRIX READY, 1000L	228
53C011	SB-30 SYSTEM BOOSTER	209	53G123	CB 100 ALU / 500ML	221
53C025	COOLCUT S-50 / 3.78 L	203	53G125	CB 100 ALU 3.78L	221
53C027	COOLCUT S-50/20 LTR	203	53G127	CB 100 ALU / 20L	221
53C028	COOLCUT S-50 / 208L	203	53G128	CB 100 ALU / 208L	221
53C029	COOLCUT S-50 /1000L	203	53G129	CB 100 ALU /1000L	221
53C055	ICECUT COOLANT-LUB 3.78 L	197	53G163	CB 100 / 500ML	221
53C057	ICECUT COOLANT-LUB/20L	197	53G165	CB 100 / 3.78L	221
53C502	SLAP-SHOT AEROSOL/500ML	188	53G167	CB 100 / 20L	221
53C503	SLAP-SHOT SPRAYER/500ML	188	53G168	CB 100 / 208L	221
53C506	SLAPSHOT LIQUID/5L	188	53G169	CB 100 /1000L	221
53C507	SLAPSHOT LIQUID/20L	188	53G173	FT200/ 500 ML	235
53C508	SLAPSHOT LIQUID/200L	188	53G177	FT200/ 20 L	235
53C552	SLAP-SHOT PL, AEROSOL/400ML	188	53G178	FT200/ 208 L	235
53C553	AF-PL SPRAYER/500ml	186	53G182	FT100 AEROSOL 400ML	235
53C556	AF-PL LIQUID/ 5L	186	53G183	FT100/ 500 ML	235
53C557	AF-PL LIQUID / 20L	186	53G187	FT100/ 20 L	235

Order No.	Description	Page	Order No.	Description	Page
53G188	FT100/ 208 L	235	53L322	EMPTY SPRAY BOTTLE/FT 200	244
53G243	BIO RUST / 500ML	232	53L323	FT100 - Empty Trigger Spray Bottle	244
53G247	BIO-RUST/20L	232	53L331	EMPTY SPRAY BOTTLE/HANG-ON	192
53G248	BIO-RUST/208L	232	53L332	EMPTY SPRAY BOTTLE/BOLT-OUT	192
53G253	POWER CLEANER 100/ 500 ML	232	53L335	EMPTY SPRAY BOTTLE/UNO S	244
53G255	POWER CLEANER 100 3.78L	232	53L337	EMPTY SPRAY BOTTLE/E-NOX CLEAN	244
53G257	POWER CLEANER 100/ 20 L	232	53L338	EMPTY SPRAY BOTTLE/E-WELD 4	33
53G258	POWER CLEANER 100/ 208 L	232	53L339	EMPTY SPRAY BOTTLE/SURFOX-N	20
53G303	E-NOX CLEAN, 500ML	231	53L341	EMPTY SPRAY BOTTLE/PRO CLEAN	244
53G305	E-NOX CLEAN, 3.78L	231	53L342	EMPTY SPRAY BOTTLE/CB 100	244
53G307	E-NOX CLEAN, 20L	231	53L343	EMPTY SPRAY BOTTLE/CB 100 ALU	244
53G308	E-NOX CLEAN, 208L	231	53L353	SURFOX RENEW EMPTY SPRAYER	20
53G403	E-NOX SHINE SPRA/500ML	231	53L354	SURFOX PRE-WELD SPRAYER	20
53G405	E-NOX SHINE/3.78L	231	53M010	AIR FORCE REFILL STATION	35
53G407	E-NOX SHINE/20L	231	53M012AF0BB	AIR FORCE OMNI 20L, 2 YRS WARRANTY	238
53G408	E-NOX SHINE/208L	231	53M012AF0D	AIR FORCE OMNI 200L, 2 YRS WARRANTY	238
53G512	SC400 FOAM AEROSOL / 400ML	233	53M012AFPLD	AIR FORCE AF-PL 200L, 2 YRS WARRANTY	187
53G513	SC 400 SPRAYER / 500ML	233	53M012AFPLP	AIR FORCE AF-PL 20L, 2 YRS WARRANTY	187
53G516	SC 400 / 3.78 L	233	53M015	AIR NOZZLE	187
53G517	SC 400/ 20L	233	53M022	NOZZLE(WHITE)-WIDE SPRAY	187
53G518	SC 400/ 200L	233	53M025	SAFETY RELIEF VALVE	187
53G523	PRO CLEAN 500ML	234	53M030	REPLACEMENT KIT/AIR FORCE	187
53G525	PRO CLEAN 3.78L	234	53M037	BRASS SCREW CAP	35
53G527	PRO CLEAN 20L	234	53M038	AIRFORCE 2" DRUM ADAPTOR	35
53G528	PRO CLEAN 208L	234	53M039	AIRFORCE VALVE-AIR/LIQUID	187
53G553	ALL SEASON CLEANER / 500ml	234	53M041	AIR FORCE 20L ADAPTOR	187
53G555	ALL SEASON CLEANER / 3.78L	234	53M052	NOZZLE W/LONG EXT. TUBE	187
53G557	ALL SEASON CLEANER / 20L	234	53M054	VARIABLE SPR. VALVE/53M012	187
53G558	ALL SEASON CLEANER / 208L	234	53M058	20L PAIL ADAPTOR/OMNI	238
53G559	ALL SEASON CLEANER /1000L	234	53M101	AIRFORCE/AF-PL BOTTLE	187
53G705	ALUSTAR 200 / 3.78L	229	53M132	AF / OMNI - BOTTLE	238
53G707	ALUSTAR 200 / 20L	229	53X002	OMNI AEROSOL/480ML-389G	236
53G708	ALUSTAR 200 / 208 L	229	53X003	OMNI SPRAYER/500ML	236
53G709	ALUSTAR 200, 1000 L	229	53X005	OMNI / 3.78L	236
53G757	ALUSTAR 300 / 20L	229	53X007	OMNI/ 20L	236
53G758	ALUSTAR 300 / 208 L	229	53X008	OMNI / 208L	236
53G759	ALUSTAR 300 / 1000 L	229	53X009	OMNI / 1000 L	236
53G927	CORRISON INHIBITOR ADDITIVE/ 20L	230	54A001	SURFOX-T 100ML-PKG/6	18
53G928	CORRISON INHIBITOR ADDITIVE/ 208L	230	54A003	SURFOX-T WELD, SPRAYER 500ML	18
53H102	ZINC-100 SPRAY/326G	195	54A005	SURFOX-T WELD 1.5L	18
53H152	ZINC-200 AEROSOL/326G	195	54A006	SURFOX-T WELD/ 5L	18
53H255	SHIELD PRO 3.78L	195	54A007	SURFOX-T WELD/20L	18
53H257	SHIELD PRO 20L	195	54A008	SURFOX-T WELD/208L	18
53H258	SHIELD PRO 200L	195	54A023	SURFOX-N SPRAYER/500ML	18
53L100	REPLACEMENT GASKET SET	244	54A025	SURFOX-N 3.78 L	18
53L101	1 L COMPRESSED AIR SPRAYER	33	54A027	SURFOX-N 20L	18
53L104	SPRAY NOZZLE-PKG/5	33	54A028	SURFOX-N 208L	18
53L105	1 L COMPRESSED AIR SPRAYER	33	54A031	SURFOX MARKING SOLUTION, 100ml	22
53L107	1 L PUMP SPRAYER/E-WELD 4	33	54A041	SURFOX ETCHING SOLUTION, 100ml	22
53L113	FAUCET FOR 3.78L CONTAINER	243	54A061	SURFOX-G / 100ML, PKG/6	18
53L114	SWIRL PIECE / 53-L 101&120	244	54A065	SURFOX-G / 1.5L	18
53L115	LUBRICANT DRUM PUMP	246	54A066	SURFOX-G / 5L	18
53L116	DRUM PUMP/SOLV+AQUEOUS	232	54A067	SURFOX-G / 20L	18
53L120	SOLVENT PUMP SPRAYER	233	54A068	SURFOX-G ELECTROLYTE SOL., 208L	18
53L121	E-WELD NOZZLE AEROSOL/400ML	28	54A073	SURFOX PRE WELD, 500ML	19
53L121	E-WELD NOZZLE APPLICATOR	28	54A076	SURFOX PRE WELD/5L	19
53L126	E-WELD PLASMA, HAND SPRAYER	30	54A077	SURFOX PRE WELD 20L	19
53L158	EMPTY BOTTLE UNO S F 950ML	244	54A078	SURFOX PRE WELD 208L	19
53L160	TITRATION KIT	230	54A083	SURFOX RENEW,500ML	19
53L162	CLEANER PROPORTIONING SYSTEM	230	54A085	SURFOX RENEW 3.78 L	19
53L207	SPOUT PLASTIC CONTNR 20L	197	54A087	SURFOX RENEW 20L	19
53L208	DISPENSING SPOUT/200L DRUM	188	54A093	SURFOX SHINE 500ML	19
53L209	2"FAUCET/200L PLASTIC DRUM	232	54A095	SURFOX SHINE 3.78 L	19
53L210	3/4" SPIGOT /20L	243	54A097	SURFOX SHINE 20L	19
53L309	EMPTY BOTTLE PWR CLEANER 100	232	54A131	SURFOX-M ALU 100ML	22
53L311	EMPTY SPRAY BOTTLE/SLAP SHOT	188	54A136	SURFOX-M ALU/5L	21
53L313	EMPTY SPRAY BOTTLE/SC400	233	54B002	SURFOX CLAMP RING PKG/10	20
53L314	EMPTY SPRAY BOTTLE/OMNI	236	54B009	LARGE GRAPHITE INSERT/SURFOX 204	13
53L315	EMPTY SPRAY BOTTLE/UNO SF	244	54B020	NARROW CLAMP RING PKG/10	20
53L316	EMPTY SPR. BOTTLE/E-NOX SHINE	244	54B026	SURFOX CLEANING PAD-PKG/10	20
53L320	EMPTY SPRAY BOTTLE/E-WELD 3	33	54B027	CLEANING BOOT / 10 PKG	20
53L321	EMPTY SPRAY BOTTLE/E-WELD	33	54B028	NARROW CLEAN BOOT-90 DEG/10	20

Order No.	Description	Page	Order No.	Description	Page
54B033	MINI SURFOX WAND KIT	20	55D600BCLP	BIO-CIRCLE MAXI with 6 BIO-CIRCLE L 20L	225
54B038	NARROW INSERT-90 DEG/MINI	15	55D600BCUD	BIO-CIRCLE MAXI with 1 ULTRA 208L	225
54B043	LARGE PAD/GRAPHITE INSERT-PKG/10	18	55D600BCUP	BIO-CIRCLE MAXI with 6 ULTRA 20L	225
54B048	LARGE GRAPHITE INSERT/MINI	15	55D615CBAD	BIO-CIRCLE MAXI & 1 CB100 ALU 208L	225
54B050	CART FOR SURFOX	20	55D615CBAP	BIO-CIRCLE MAXI & 6 CB100 ALU 20L	225
54B051	LARGE PAD/GRAPHITE INSERT-PKG/10	18	55D615CBD	BIO-CIRCLE MAXI & 1 CB100 208L	225
54B052	LARGE PAD/GRAPHITE INSERT-PKG/5	18	55D615CBP	BIO-CIRCLE MAXI & 6 CB100 20L	225
54B063	CORD SET	22	57B000	REPLACEMENT SPRAY VALVE KIT, ORANGE BTLE	35
54B073	170X108MM STENCIL	22	57D000	AIR FORCE UNIVERSAL STATION, ALL LABELS	237
54B074	257X170MM STENCIL	22	57D018	AIR FORCE STATION, SPATTER BLOCK KIT	35
54B076	54X32MM STENCIL	22	57D028	AIR FORCE STATION, SPATTER BLOCK HT KIT	35
54B077	85X54MM STENCIL	22	57D038	AIR FORCE STATION, E-WELD 3 KIT	35
54B079	355X155MM STENCIL	22	57D048	AIR FORCE STATION, E-WELD 4 KIT	35
54B080	STANDARD SURFOX MARKING KIT	21	57D058	AIR FORCE STATION, CB100 KIT	237
54B081	SURFOX PRO MARKING KIT/PRINTER	21	57M001	GREEN POWERCLOTH / PKG 10	236
54B082	MARKING/ETCHING WAND COMPLETE	22	58A157	COOLCUT@ 150 - 20L	200
54B083	MARKING PADS-PKG/20	22	58A158	COOLCUT@ 150 - 200L	200
54B086	STENCIL ROLL 100mm X 20mt	22	58A159	COOLCUT@ 150 - 1000L	200
54B087	STENCIL ROLL 100mm X 50mt	22	58A257	COOLCUT@ 250 - 20L	201
54B088	GRAPHITE MARKING INSERT 35X10mm	22	58A258	COOLCUT@ 250 - 200L	201
54B089	O-RINGS FOR MARKING KIT - PKG/5	22	58A259	COOLCUT@ 250 - 1000L	201
54B090	ORANGE POWERCLOTH / PKG 10	20	58A297	COOLCUT 200 BF - 20L	201
54B092	SURFOX CARTRIDGE REFILLER	15	58A298	COOLCUT@ 200 BF - 200L	201
54B125	SURFOX WAND, 4M	13	58A299	COOLCUT@ 200 BF - 1000L	201
54B126	SURFOX WAND, 9M	13	58A407	COOLCUT@ SYN 400 BF -20L	204
54B133	MINI WAND KIT C/W CARBON FIBRE BRUSH	20	58A408	COOLCUT@SYN 400 BF - 200L	204
54B143	TUNGSTEN INSERT	13	58A507	COOLCUT@ 400 U - 20L	202
54B149	THREADED BRUSH ADAPTOR, SURFOX 205/305	13	58A508	COOLCUT@ 400 U - 200L	202
54B150	BRUSH ADAPTOR, SURFOX MINI	15	58A509	COOLCUT@ 400 U - 1000L	202
54B155	THREADED TRIANGULAR BRUSH - PKG/5	13	58A597	COOLCUT@ 500BF - 20L	202
54B156	THREADED ROUND BRUSH/ - PKG/5	13	58A598	COOLCUT@ 500BF - 200L	202
54B157	THREADED ROUND BRUSH/ MINI -PKG/5	15	58A599	BULK COOLCUT@500 BF - 1000L	202
54B158	THREADED ROUND BRUSH - PKG/5	14	58A707	COOLCUT@ SYN GRIND - 20L	204
54D045	SURFOX TURBO, 120V	16	58A708	COOLCUT@ SYN GRIND - 200L	204
54D055	MINI SURFOX (V5), 120V	15	58B307	COOLCUT@ NEO AP - 20L	207
54D215	SURFOX 205, 120V	14	58B308	COOLCUT@ NEO AP - 200L	207
54D315	SURFOX 305, 120V	13	58B377	COOLCUT@ NEO 3724 N - 20L	207
54T011	BLUETOOTH PASSIVATION TESTER	25	58B378	COOLCUT NEO 3724 N 200L	207
55A007	BIO-CIRCLE L / 20L	222	58B507	COOLCUT@ NEO SYN HP - 20L	208
55A008	BIO-CIRCLE L / 208L	222	58B508	COOLCUT@ NEO SYN HP - 200L	208
55A009	BIO-CIRCLE L / 1000 L	222	58C007	COOLCUT@ PROTEC 68 - 20L	208
55A107	BIO-CIRCLE ULTRA / 20L	222	58C008	COOLCUT@ PROTEC 68 - 200L	208
55A108	BIO-CIRCLE ULTRA / 208L	222	58C101	COOLCUT SYSTEM CLEANER 950ml	209
55A109	BIO-CIRCLE ULTRA/ 1000 L	222	58C105	COOLCUT SYSTEM CLEANER 3.78L	209
55A207	BIO-CIRCLE AERO / 20L	223	58C107	COOLCUT SYSTEM CLEANER 20L	209
55A208	BIO-CIRCLE AERO / 208L	223			
55A209	BIO-CIRCLE AERO / 1000L	223			
55B004	PARTS WASHING BASKET	245			
55B005	FLOW-THROUGH BRUSH	245			
55B007	FLOW-THROUGH BRUSH - ANGLE	245			
55B011	NYLON MESH FILTER-350M	245			
55B012	FILTER CARTRIDGE-100M	245			
55B021	FILTER CARTRIDGE 200M	245			
55B035	SPANNER FOR FILTER HOUSING	245			
55B036	NYLON MESH FILTER-100 MICRON	245			
55B038	NYLON MESH FILTER-200 MICRON	245			
55B041	FILTER BAG 50 MICRON-PKG/6	245			
55B042	FILTER BAG 100 MICRON-PKG/6	245			
55B043	FILTER BAG 200 MICRON-PKG/6	245			
55B047	LID FOR MAXI GT	245			
55B048	SINK INSERT MAXI GT	245			
55B049	WHEEL BAR KIT/ MAXI GT	245			
55B051	HAND PUMP	246			
55B063	BIO CIRCLE SCRAPER	245			
55B083	DOLLY / CLEAN BOX	245			
55B085	BIO CIRCLE AIR GUN KIT	233			
55B087	STAINLESS STEEL BASKET	245			
55D010	CLEAN BOX	245			
55D600	BIO-CIRCLE MAXI PART WASHER	223			
55D600BCAD	BIO-CIRCLE MAXI with AERO 208L	225			
55D600BCAP	BIO-CIRCLE MAXI with 6 AERO 20L	225			
55D600BCLD	BIO-CIRCLE MAXI & 1 BIO-CIRCLE L 208L	225			



Authorized service centers

Mechanical product lines

ALBERTA

Calgary

INDUSTRIAL POWER TOOL MAINTENANCE LTD

4115 64 Ave SE #8, Calgary, AB T2C 2C8
403 261-0780

Edmonton

DAN'S POWER TOOL REPAIR SERVICE INC.

8153 Wagner Rd. NW, T6E 4N6
780 490-1955

QUALITY TOOL REPAIR LTD

11216 - 156 St., T5M 1Y3
780 702-1686

BRITISH COLUMBIA

Burnaby

PROTOOL SALES & SERVICE LTD

109-3070 Norland Avenue, V5B 3A6
604 299-6664

Kelowna

CENTRAL ELECTRIC MOTOR REWIND LTD

104-1765 Springfield Rd., V1Y 5V5
250 860-4415

Mission

ROB'S TOOL SERVICES

12325 Cardinal Place, V4S 1L3
604 374-1830

Port Coquitlam

ROB'S TOOL SERVICES C/O R.J. GAS LTD

404-1952 Kingsway, V3C 1S5
604 374-1830

Richmond

PROTOOL INDUSTRIAL SALES & SERVICE LTD

160-11960 Hammersmith Way, V7A 5C9
604 271-3220

MANITOBA

Winnipeg

ATHENA SMALL EQUIPMENT REPAIR

1474 Wellington Ave., R3E 0K5
204 786-1900

ACCUTOOL INDUSTRIAL SOLUTIONS

532 Berry St., R3H 0R9
204 772-6523

NEWFOUNDLAND

St. John's

RIDEOUT TOOL & MACHINES INC.

222 Kenmount Rd., A1B 3R2
709 754-2240

NOVA SCOTIA

Dartmouth

DEITER'S TOOL & SAW SERVICE LTD

109 Ilsley Ave., Unit 10, B3B 1S8
902 468-4888

ONTARIO

Barrie

TONY'S POWER TOOL & VACUUM SERVICE

59 Bellfarm Rd., L4M 5G1
705 726-1142

Bradford

BRADFORD RENTAL SALES & SERVICE LTD

192 Bridge St., L3Z 3H2
905 775-7101

Brantford

TOLHURST POWER TOOL REPAIR

53 Hill Ave., N3R 4G8
519 755-6277

Chelmsford

BRS BATTERY LTD

3450 Highway 144 North, P0M 1L0
705 855-0473

Concord

CONCORD HARDWARE

374 Bowes Rd., L4K 1K1
905 669-9914

Cornwall

D-TECH POWER TOOL SERVICE

1112 Marleau Ave., K6K 2W8
613 938-9157

Hamilton

ACTIVE TOOL REPAIR

955 Barton St. E., L8L 3C4
905 545-7646

Innerkip

KC'S REPAIR CENTER

156 Blandford St., N0J 1M0
519 469-3351

Kitchener

RMW ELECTRIC INC.

350, Shirley Ave., Unit No. 6, N2B 2E1
519 744-1821

London

PRYDE INDUSTRIAL INC.

542 187 Exeter Rd., N6L 1A4
519 690-1111

Mississauga

MISSISSAUGA REPAIR CENTER

3120 Glen Erin Drive, L5L 1R6
905 828-1565

ORIGINAL POWER TOOL CO. LTD

7508 Bath Rd., L4T 1L2
905 612-8252

North Bay

GATEWAY PROFESSIONAL TOOLS

790B Cassells St., P1B 4A4
705 495-4906

Ottawa

MYTEK POWER TOOLS SERVICE

1541 Star Top Rd., K1B 3W5
613 749-7294

OTTAWA FASTENER SUPPLY LTD

2205 Robertson Rd., K2H 5Z2
613 828-8399

Sarnia

SERV A TOOL & REPAIRS LTD

504 McGregor Side Road, N7T 7H5
519 344-8837

Scarborough

GEORGE POWER TOOL SERVICE INC.

1365 Morningside Ave., Unit 11
M1B 4Y5
416 286-3933

St. Catharines

A & A POWER TOOL REPAIR LTD

10-A Nihan Drive, L2N 1L1
905 646-4881

Stoney Creek

APOLLO TOOL REPAIR & SALES LTD

367 Barton St. E., L8E 2L2
905 544-5202

Toronto

IMPACT TOOLS & SUPPLIES

1170 The Queensway, M8Z 1R5
416 255-7789

QUÉBEC

Alma

RÉPARATION INDUSTRIELLE

LAC ST-JEAN

1950, ave. Lamountain Nord, G8B 4Y1
418 668-3350

Anjou

DORSON LTÉE

8551, boul. Parkway Blvd, H1J 1N1
514 351-0160

Beloil

OUTILLAGE PLACIDE MATHIEU INC.

670, rue Picard, J3G 5X9
450 467-3565

Chicoutimi

J. SIROIS ÉLECTRIQUE INC.

2203, rue Roussel, G7G 1W4
418 543-3308

Drummondville

DOCTEUR DE L'OUTIL INC.

2405, rue St-Pierre, J2C 5A7
819 478-1109

Granby

FIXACLOUS INC.

625, rue Cowie, J2G 3X4
450 378-0049

Laval

SERVICE D'OUTILS F.G.L. INC.

949, rue Michelin, H7L 5B6
450 972-7979

Marieville

OXYMAX INC.

115, ch. du Ruisseau St-Louis O., J3M
1P7
450 460-7255

Matane

ROLAND DUMAS (1997) INC.

147, rue Thibeault, G4W 2V8
418 562-4947

Mont-Laurier

CENTRE DE RÉPARATION

LÉON GRENIER INC.

1260, boul. A. Paquette, J9L 1M7
819 623-3740

Mont-Royal

OUTIL PAC INC.

5895, ave. Andover, H4T 1H8
514 733-3555

Montmagny

RÉPARATION ÉLECTRIQUE

MONTMAGNY INC.

170, 4^{ème} rue, G5V 3L5
418 248-2072

Montréal

INOLEC INC.

100, rue De Port Royal E., H3L 1H7
514 384-9021

J. CARRIER FOURNITURES INDUSTRIELLES

100 rue de Port Royal Est, H3L 1H7
514 384-9021

Plessisville

SERVI MAX

1124, rue St-Calixte, G6L 1N8
800 567-3186

Québec

CLINIQUE D'OUTILLAGE M.P. INC.

3075, boul. Wilfrid-Hamel
Suite 107, G1P 4C6
418 877-3371

RÉPARATION D'OUTILS

RAYMOND MARTEL INC.

2025, rue Lavoisier, bur. 180, G1N 4L6
418 681-9444

Rimouski-Est

ONDINE INC.

RÉPARATION YVES PROULX

570-C St-Germain, G5L 1G4
418 725-0800

Rouyn Noranda

ATELIER REPAR ENR.

47, ave. De la Matapédia, J9X 1R4
819 762-4446

ÉQUIPEMENTS TNO (2005) INC.

325, boul. Industriel, J9X 6P2
819 764-3221

Sept-Îles

DISTRIBUTIONS JRV INC.

5, rue Regnault, G4R 3R4
418 962-6249

Sherbrooke

DO-MAR ÉLECTRIQUE INC.

1136, rue King E., J1G 1E4
819 563-2234

St-Antoine

ALAIN MAILLOUX DYNATECH

788, ch. Rivière-Verte, G0L 2J0
418 867-3811

St-Georges-de-Beauce

VEILLEUX & FILS INC.

3195, boul. Dionne, G5Y 5E6
418 228-6207

St-Jean-sur-Richelieu

MOTEURS ÉLECTRIQUES ST-JEAN INC.

505, rue St-Jacques, J3B 2M1
450 347-3265

Trois-Rivières

BEL-OUTIL ENR.

1200, rue Dubord, G8T 9C7
819 378-0237

Val d'Or

HYTEX 85 INC.

1721, ch. Sullivan, J9P 1M7
819 825-1475

Ville-Marie

TEMLAC LTÉE

43, rue des Oblats N., J9X 1J1
819 629-3143

SASKATCHEWAN

Saskatoon

SASK TOOL REPAIR LTD

311A 47th St. E., S7K 5H2
306 244-9981

Walter Surface Technologies

Montreal

5977 Trans Canada Highway
Pointe-Claire, Quebec
H9R 1C1
Tel.: 514 630-2800
Toll free: 1 800 363-7368
Fax: 514 630-2825

Edmonton

18527 – 104 Avenue NW
Edmonton, Alberta
T5S 2V8
Tel.: 780 451-2053
Toll free: 1 866 435-1271
Fax: 780 453-1589

Toronto

151 Superior Blvd., Unit 12
Mississauga, Ontario
L5T 2L1
Tel.: 905 795-8555
Toll free: 1 888 821-9444
Fax: 905 795-8558

Vancouver

1-1595 Cliveden Ave. West,
Delta, British Columbia
V3M 6M2
Tel.: 604 540-4777
Toll free: 1 877 366-9258
Fax: 604 540-4778
Fax toll free: 1 877 329-9258



Facebook/
WalterSurfaceTech



Twitter/
@WalterSurfaceTech



YouTube/
TheWalterNetwork



LinkedIn/
Walter-Surface-Technologies



Instagram.com/
Waltersurftech

**FOR MORE INFORMATION, TO SCHEDULE
A FREE DEMO OR TO ORDER**

Phone: 888 592-5837 | Fax: 866 581-1121

Email: csr@walter.com

Or visit: walter.com

MEMBER OF



Trademarks: AF-PL, ALL-SEASON, ALLSTEEL, ALLSTEEL XTRA, ALUCUT, ALUSTAR, BIG 6 GRINDER, BIO-RUST, BLENDX, BOLT-OUT, CB 100, CHAIN GANG, CHOPCUT, COMFORT MAX, CONTACT CLEAN, COLD SHOCK, COOLCUT, COOLCUT XX, DIALSPEED, DYNAMAX, ENDURO-FLEX, ENDURO-FLEX TURBO, E-NOX CLEAN, E-NOX SHINE, FLEXCUT, FOOD ZONE, FT 200, FX, GOLD MATRIX READY, GRINDER GRIP, HANG-ON, HP, HP XX, ICECUT, INSTANT POLISH, IRONMAN, IRONMAN PS, LINE-MATE, MAXI GRINDER, MINI GRINDER, MINI PLUS GRINDER, OMNI, OPEN GEAR, PIPEFITTER, PORTACUT, POWER CLEANER, POWERGUARD, PRO 5, PRO CLEAN, QUICK-STEP, RIPCUT, ROCK'N'ROLL, SHIELD PRO, SLAP SHOT, SPATTER BLOCK, SPATTER BLOCK HT, SPIN ON, SST, SST ICECUT, STRAIGHT-MATE, STAR, SUPER 5 GRINDER, TAPCUT, TOUGHCUT, TWIST, TWO-IN-ONE, ULTIMATE SHINE, UNO, XCAVATOR, XCAVATORXX, XTRACUT, ZINC 100, ZINC 200, ZIP, ZIP ONE, ZIP STAINLESS, ZIPCUT are trademarks of Walter Surface Technologies. AIR FORCE, BIO-CIRCLE, CLEANBOX, NATURE BOOST, POWERCLOTH and SURFOX are trademarks of Surface Technologies IP AG, and used under licence by Walter Surface Technologies.



2020 CATALOG

Effective January 1, 2020.

98-E 080

Available at: