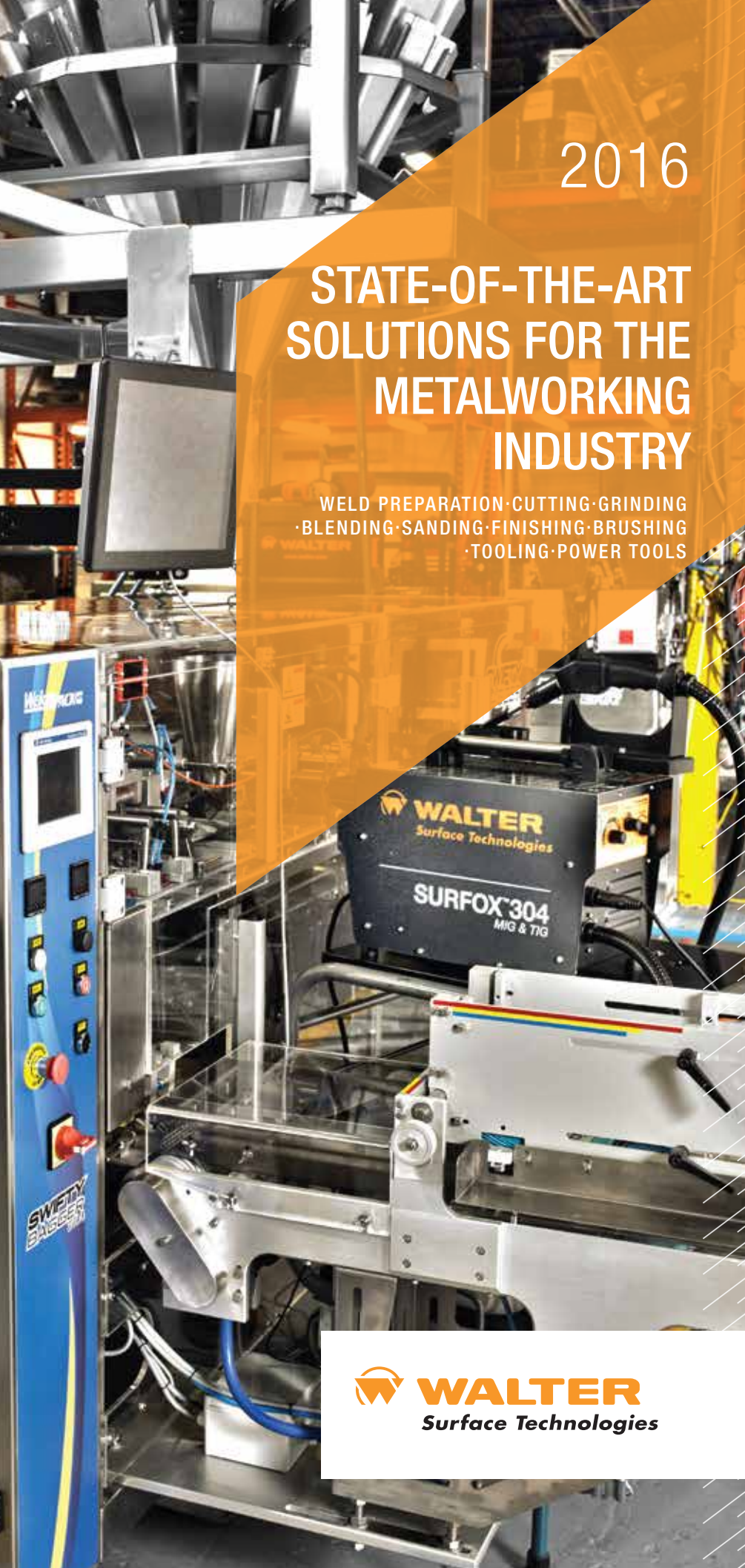


2016

# STATE-OF-THE-ART SOLUTIONS FOR THE METALWORKING INDUSTRY

WELD PREPARATION · CUTTING · GRINDING  
· BLENDING · SANDING · FINISHING · BRUSHING  
· TOOLING · POWER TOOLS



*“Only the best”*

 **WALTER**  
Surface Technologies



## Walter Surface Technologies

Walter Surface Technologies has been providing high productivity abrasives, power tools, tooling, chemical tools and environmental solutions for the metal working industry since 1952. With a focus on helping our customers work better, we have developed our Partnership in Productivity program dedicated to safety and productivity. Below, you will find more information on Walter's programs, including the Bucket Program, Productivity Reports, Safety Seminars and Product Demonstrations.

### 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.



### 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.



### Safety Seminars

*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.



### Product Demonstration

Our team is trained to listen and provide innovative solutions that answer customers' needs. With our mobile product demonstration trucks, Walter's team can easily go to your facility and show you how to make your fabricating and finishing process more effective.



### 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.*

INNOVATION has been at Walter's core since its founding more than 63 years ago. Over the years, the company has continuously evolved, consistently developing better performing, leading-edge products for the metalworking industry. The relentless pursuit of innovation – in both products and services – has helped cement Walter as a market leader in industrial metalworking.

Walter works tirelessly to offer you only the best products. Our goal is to help you work safely and more productively, while offering the most cost effective solutions. In the 2016 catalog, you will find Walter's latest series of innovations for the metalworking industry.

Discover the new Surfox™ SMART Passivation Tester in the Walter Surface Measurement Systems section. Incredibly fast and easy to use, it also offers accurate data and picture storage, as well as simple report building to provide a documented guarantee of passivation. You will also discover Walter's brand new ZIP XXTREME™ and ZIP TITAN™ thin cut-off wheels, both designed to help you cut faster while working with different metals. Also new this year are Walter's significantly more powerful, and completely redesigned line of high performance angle grinders. The most powerful, consistent, reliable tools, and the most advanced safety features will help you deliver your best work faster and safer than ever before. These are only a few of the innovations you will discover across the following pages.

We invite you to learn more about these great new products in this catalog, as well as on our website [www.walter.com](http://www.walter.com). Our goal remains unchanged: to serve you more efficiently, safely, and to always bring you *only the best*.

Michael Christodoulou

President and COO  
Walter Surface Technologies



**NEW** 2016



### **SURFOX™ SMART PASSIVATION TESTER**

Guarantee passivation of stainless steel surfaces

Test your workpiece to guarantee passivation with the world's first wireless passivation tester. Using Bluetooth technology, the device easily connects to your smartphone for testing, and seamlessly logs your results in the cloud for easy data analysis, management and report building. Ship your products with confidence by ensuring your stainless steel pieces are passivated with the SURFOX™ Smart Passivation Tester.



### **SURFOX™ SMART PRO MARKING KIT**

The SURFOX™ Smart Pro Marking Kit makes marking faster and easier. With a stand-alone printer, simply connect a USB stick with your image or logo, and print the marking stencil instantaneously. Quick, easy-to-use, and effective for etching or marking.



### **SURFOX™ NEW WAND**

Walter has developed a new wand, available with the SURFOX™ 304 system. A more ergonomic design and new quick-change system that makes it much easier to change accessories. The new wand will enable users to more easily access intricate areas, and is more comfortable to use.



### **ZIP XXTREME™**

The longest lasting 3/64" thin cut-off wheel

Walter continuously develops new technologies to improve cut-off wheel performances. The new ZIP XXTREME™ is the latest in product innovations from Walter, cementing Walter's place as the industry leader. The ZIP XXTREME™ is the longest lasting cut-off wheel, boasting the lowest cost per cut compared to all other 3/64" thin cut-off wheels. Save time working on your projects, and save money using the ZIP XXTREME™ by getting the job done more efficiently. These cut-off wheels last up to 20% longer than other wheels in this category.



### **ZIP TiTAN™ AND CHOPCUT TiTAN™**

Best solution for cutting titanium and brass

The optimal solution when working with titanium and brass materials, trust the new ZIP TiTAN™ and CHOPCUT TiTAN™, designed specifically for exceptional cutting efficiency in those metals. The ZIP TiTAN™ and CHOPCUT TiTAN™ cut through metals without overheating them, preserving the mechanical properties and surface integrity of the material being cut.



### **ICECUT™ 100 AND 200 MAGNETIC DRILLS**

The industry's most efficient magnetic drills

Drill large holes with ICECUT™ – ergonomic and lightweight magnetic drills designed for maximum versatility. The ICECUT™ magnetic drilling system comes in two models: ICECUT™ 100 and ICECUT™ 200, each offering a suite of benefits highlighted by top safety measures and state-of-the-art technologies. Both models come with ACCUDRILL™: a visual amp meter to help prevent breakage of core cutters and overheating of the machine. With the new quick-release reversible handle, users can easily switch handles from one side to another, to allow ideal positioning when in confined or restricted spaces, or simply for convenience.

**NEW** 2016

## **NEXT GENERATION OF CORDED GRINDERS**

Power and safety, resulting in optimal efficiency. Walter's next generation of corded grinders are specifically built to tolerate the aggressiveness of our grinding and finishing wheels. A complete line of eight grinders, including the new Pro 5™, the new family of corded grinders is designed to exceed your demands, whether it be in grinding, cutting, sanding, or cleaning applications. While built to last, each grinder is compact and packs a punch, providing you with the highest removal rate in the industry.



## **ENDURO-FLEX™ 2-IN-1 TURBO**

The most versatile and fastest finishing disc on the market

Achieving that ideal finish has never been easier. With the new Enduro-Flex™ 2-in-1 TURBO, remove material faster and get the finish you want in less steps. Designed for steel, stainless steel and aluminum, the Enduro-Flex™ 2-in-1 TURBO provides unmatched versatility. The flap disc is available in both 4-1/2" and 5". Incorporating Walter's Cyclone™ Technology and high-tech Blendex™ Technology, the result is a smooth finish and product life that is simply unsurpassed.



## **TOPCUT™**

Top of the line in finishing applications

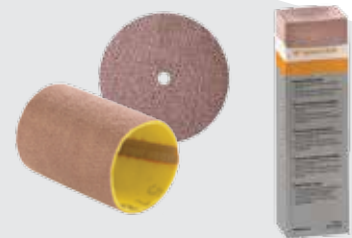
TOPCUT™ now features a new formulation consisting of a higher concentration of Zirconium, resulting in the best Zirconium sanding disc ever produced. Remove material faster, and benefit from a longer lasting product that has high sanding resistance on heat sensitive metals.



## **INSTANT POLISH™**

One-step solution to achieving a #8 mirror finish

Use Walter's Instant Polish™ line of finishing abrasives, a breakthrough innovation and the first of its kind to be offered in the industry, to achieve your desired #8 mirror finish. Achieving mirrored stainless steel finishes can now be done in one step! Polishing paste is already applied on the product, saving time and making it very easy to use. The Instant Polish™ line is available in three distinct formats: Quick Step Instant Polish™ Disc, the Instant Polish™ Belt, and the Instant Polish™ Paste.



## **WALTER INDUSTRIAL GLOVES**

Protective, sleek, and perfect fitting for comfort. Walter's newly-designed, ultimate work gloves are made to resist the toughest applications. They are made of 100% Black Goatskin leather, with a neoprene insert that reduces vibrations. The thumb curve is made with Kevlar™, a natural anti-slip material. Simply put, these gloves are the toughest, safest and most comfortable, to help you get the job done.



## **AIR FORCE AF-WELD™ HT**

High temperature anti-spatter solution

AF-WELD™ HT is a unique, high performing anti-spatter solution that protects workpieces from adherence of high energy spatter such as those produced while welding stainless steel therefore eliminating costly spatter removal operations. The system combines AF-WELD 3™ with the Air Force™ refilling station and eliminates the disposal of aerosol cans.





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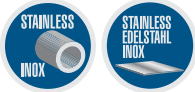
# WALTER ICONS LEGEND

## Materials

Red for steel



Blue for stainless steels and nickel-based alloys



Green for aluminum and non-ferrous metals



Gold for brass



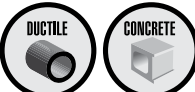
Black for plastic



Purple for cast iron



Grey for concrete and ductile



Charcoal for carbide



Titanium



Dark grey for mill scale



Light grey for hard metal



## Wheel grade

Bond type, grain type and grain size

## Warning

When using SPIN-ON quick mounting system

## Dimensions

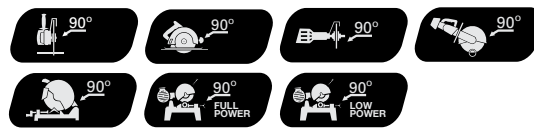
Diameter, thickness, bore

## More information

Consult WALTER website for complete safety information [www.walter.com/safety](http://www.walter.com/safety)

## 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 retain for reordering. 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 better monitor production for more 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

VOC are products containing potentially toxic levels of VOC's. Paints, stains and varnishes have long contributed considerably to the prolific release of VOC's. Products where you see the VOC-free logo guarantee that they contain no VOC's.



### CAS - Clean Air Solvent Certification

The Clean Air Act Solvent Certification is delivered by the SCAQMD (South Coast Air Quality Management District in California). They are committed to protect the health of residents of this area and are among the most strict around the world.



### 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.



### Accepted for use in food plants

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



A welder wearing safety glasses and black gloves is using a SURFOX 304 tool to prepare a large metal component in a factory setting. The tool is connected to a machine labeled 'WALTER SURFOX 304'. The welder is focused on his work, and the background shows industrial equipment and another worker.

# WELD PREPARATION

INNOVATIVE PRODUCTS  
FOR WELD PREPARATION

# SURFOX WELD CLEANING

*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

## SURFOX VIDEO



[www.walter.com](http://www.walter.com)

Also visit [surfox.com](http://surfox.com) website for more details

## Electrochemical Weld Cleaning Systems for Stainless Steel

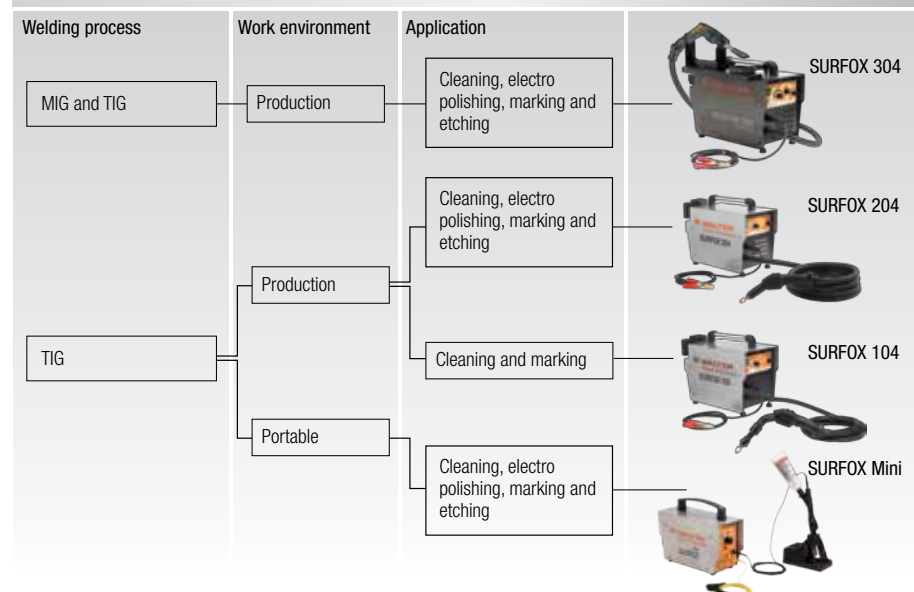
The SURFOX electrochemical weld cleaning system is a highly effective method for removing heat tint from welded stainless steel (TIG, spot and pulsed MIG), without altering the surface of the parent material. SURFOX promotes the formation of a uniform and durable chromium oxide passive layer to protect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

### SURFOX Systems



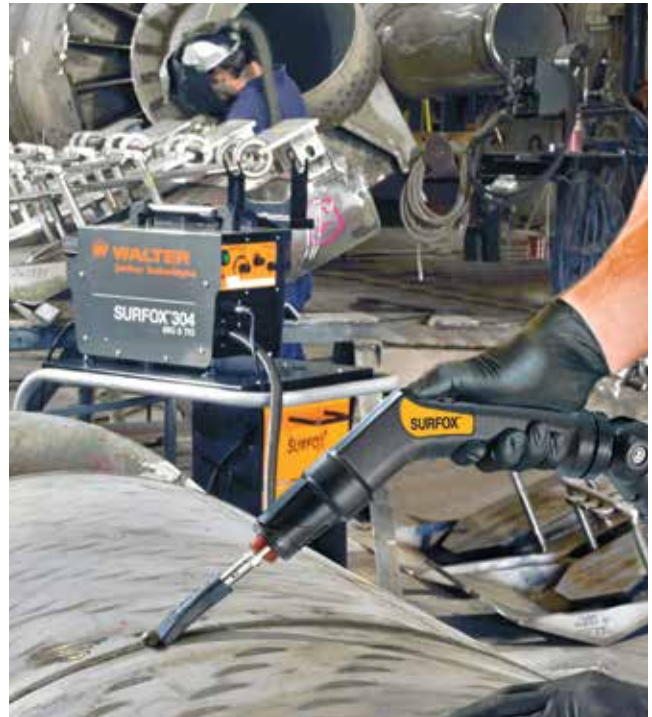
**NEW**

## **SURFOX™ WAND**

Comfortable and easy to use

The new SURFOX™ wand will soon be available for the SURFOX™ 304 system. Designed with the end-user in mind, the more ergonomic handle provides a grip that is comfortable to use even for extended periods of time.

*The articulated wand allows for greater range of motion and is much easier to use*



*Available Spring 2016*



Features a quick-change system, allowing you to easily change your accessories and clean welds at an optimal rate.



# SURFOX™ 304 MIG & TIG

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

The newest member of the SURFOX family, the SURFOX 304 MIG & TIG system! The SURFOX 304 is our new patented electrochemical cleaning system with a flow-through system, which facilitates the cleaning of MIG, TIG and spot welds, without altering the surface of the parent material. Paired with two new durable high resistant and conductive cleaning brush applicators, it allows for quick and efficient cleaning. The triangular sleeve will optimize the brush for MIG welds and large surface areas and the cylindrical sleeve is ideal for tight corners and spot welds. Furthermore, this system guarantees no pitting thanks to dynamic current control electronics.

**VIDEO**



www.walter.com

**Features and benefits**

- ▷ Easily cleans MIG welds, as well as TIG & spot welds
- ▷ Exclusive quick-change brush system to easily interchange brushes
- ▷ Ability to clean larger and hard to reach areas new conductive brushes
- ▷ Flow through system for faster efficient cleaning and longer lasting accessories
- ▷ AC mode for cleaning or marking
- ▷ DC mode for polishing or etching
- ▷ Built-in vapor elimination system

**SURFOX 304 unit specifications**

Order No.	Electrical		Dimensions			Tank capacity	Length of hose	Weight	Price ea.
	Input	Output	Length	Width	Height				
54-D 314	120 V, 50/60 Hz, 8.0 A	12-30 V AC/DC, 30 A max	20 2/3"	9.84"	14.57"	-----	13'	48.5 lbs	\$4,990.00

**Standard equipment:** 1 x Tungsten insert (48-R 133), 3 x standard high conductivity cleaning pads (54-B 026), 1 x Teflon ring (54-B 002), 1 x SURFOX 304 carbon fiber brush (54-B 095), 1 x SURFOX 304 triangular sleeve (54-B 101), 1 x SURFOX 304 cylindrical sleeve (54-B 102), 1 x adaptor for SURFOX 304 brush (54-B 099), 1 x ground cable (48-R 136), 1 x user guide, 1 x DVD, 1 x carrying case

**Accessories**



**Tungsten insert 90°**  
**Order No.: 48-R 133 - \$314.31**  
 Use with cleaning pads 54-B 026 or 54-B 040 and clamp ring 54-B 002 or boot 54-B 005



**Tungsten insert 60°**  
**Order No.: 54-B 016 - \$299.15**  
 Use with cleaning pad 54-B 027 and clamp ring 54-B 002 or boot 54-B 006

**Tungsten insert kit for SURFOX 104, 204 and 304**

**Order No.: 54-B 012 - \$834.50**  
 Includes:  
 1 x 48-R 133  
 1 X 54-B 017  
 1 X 54-B 016  
 1 X 54-B 018



**Narrow tungsten insert 90°**  
**Order No.: 54-B 017 - \$299.15**  
 Use with cleaning pads 54-B 028 or 54-B 041 and clamp ring 54-B 020 or boot 54-B 007



**Narrow tungsten insert 60°**  
**Order No.: 54-B 018 - \$299.15**  
 Use with cleaning pad 54-B 028 and clamp ring 54-B 020 or boot 54-B 008



**Large graphite insert for SURFOX 204 and 304**  
**Order No.: 54-B 009 - \$215.15**  
 45 mm W - Ideal for surface renewing or restoring, and to clean the back of MIG welds



**Spare brush adaptor for large wand on SURFOX 304**  
**Order No.: 54-B 099 - \$55.00**



**Carbon fiber brush for large wand on SURFOX 304**  
**Order No.: 54-B 095 - \$260.00**  
 Without adaptor - Pack of 5



**Cylindrical sleeve for large wand carbon fiber brush**  
**Order No.: 54-B 102 - \$15.00**



**Wand holder for SURFOX 304**  
**Order No.: 54-B 114 - \$200.00**



**Triangular sleeve for large wand carbon fiber brush**  
**Order No.: 54-B 101 - \$15.00**

# SURFOX™ 204 AND 104

Industrial, self-contained weld cleaning systems with an integrated electrolyte tank, a low level indicator and automatic pump dispensing. Manual or automatic/variable-speed pump cycling delivers the right amount of electrolyte continuously to the workpiece. This system is equipped with a self-regulating inverter board which automatically monitors and adjusts the current to ensure maximum cleaning effectiveness without loss of productivity.



## SURFOX™ 204

The most versatile unit for a wide variety of jobs

### Features

- ▷ Wand with on/off pump cycling controls
- ▷ Electrical outlet for optional marking hand piece (hand piece not included)
- ▷ Variable current output knob, allowing the end-user to pre-set the desired current level
- ▷ Switchable output: AC mode for cleaning and marking, DC mode for polishing and etching
- ▷ Built-in vapor elimination system (for confined areas)

### Unit specifications

Model	Order No.	Electrical		Dimensions			Tank capacity	Length of hose	Weight	Price ea.
		Input	Output	Length	Width	Height				
204	54-D 214	120 V, 50/60 Hz, 4.0 A	AC/DC, 15 A max	18 1/2"	9 3/4"	15"	-----	13'	38 lbs	\$4,120.00
104	54-D 114	120 V, 50/60 Hz, 4.0 A	12-30 V AC, 15 A max	18 1/2"	9 3/4"	15"	-----	13'	36.4 lbs	\$3,280.00

**Standard equipment for 54-D 214:** 1 x Tungsten insert (48-R 133), 3 x standard high conductivity cleaning pads (54-B 026), 1 x Teflon ring (54-B 002), 1 x ground cable (48-R 136), 1 x user guide, 1 x DVD, 1 x carrying case

**Standard equipment for 54-D 114:** 1 x Tungsten insert (48-R 133), 3 x standard high conductivity cleaning pads (54-B 026), 1 x Teflon ring (54-B 002), 1 x drip guard for SURFOX 104 (54-B 003), 1 x ground cable (48-R 136), 1 x user guide, 1 x DVD, 1 x carrying case

## Accessories for SURFOX 204 and 104



**Tungsten insert 90°**  
**Order No.:** 48-R 133 - \$314.30  
 Use with cleaning pads 54-B 026 or 54-B 040 and clamp ring 54-B 002, or boot 54-B 005



**Narrow tungsten insert 90°**  
**Order No.:** 54-B 017 - \$299.15  
 Use with cleaning pads 54-B 028 or 54-B 041 and clamp ring 54-B 020, or boot 54-B 007



**Large graphite insert for SURFOX 204 and 304**  
**Order No.:** 54-B 009 - \$215.15  
 45 mm W - Ideal for surface renewing or restoring, and to clean the back of MIG weld



**Tungsten insert 60°**  
**Order No.:** 54-B 016 - \$299.15  
 Use with cleaning pad 54-B 027 and clamp ring 54-B 002 or boot 54-B 006



**Narrow tungsten insert 60°**  
**Order No.:** 54-B 018 - \$299.15  
 Use with cleaning pad 54-B 028 and clamp ring 54-B 020 or boot 54-B 008



**Drip guard for SURFOX 104**  
**Order No.:** 54-B 003 - \$55.65

**Wand holder for SURFOX 104**  
**Order No.:** 54-B 104 - \$200.00

**Tungsten insert kit for SURFOX 104, 204 and 304**  
**Order No.:** 54-B 012 - \$834.50

Includes:  
 1 x 48-R 133  
 1 x 54-B 017  
 1 x 54-B 016  
 1 x 54-B 018



**Wand holder for SURFOX 204**  
**Order No.:** 54-B 094 - \$200.00





## SURFOX MINI™

The ideal unit for occasional field work

The ergonomically designed SURFOX Mini comes equipped with a variable power setting that ensures a perfect finish on even the most delicate surfaces. An electrochemical polishing feature makes this unit ideal for polishing all types of welds. Excellent for use in repairs, touch-ups and small jobs.

The SURFOX Mini comes equipped with a unique cartridge manual refilling pump. You can easily and quickly refill cartridges and save money by buying larger sized SURFOX solutions.



### Unit specifications

Model	Order No.	Electrical		Dimensions			Tank capacity	Length of hose	Weight	Price ea.
		Input	Output	Length	Width	Height				
Mini	54-D 054	120 V, 50/60 Hz, 4.0 A	12-30 V AC/DC, 15 A max	12"	4.5"	8.86"	-----	-----	8.4 lbs	\$2,461.00

**Standard equipment:** 1 micro-wand (48-R 285), 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 097, 1 x cylindrical sleeve micro-brush 54-B 103, 1 x adaptor for micro-brush 54-B 100, 1 x manual refilling pump 54-B 092, 1 x ground cable 48-R 283, 1 x user guide, 1 x DVD, 1 x carrying case

### Accessories for SURFOX Mini



**Tungsten insert 90°**  
**Order No.: 54-B 036 - \$62.00**  
 Use with cleaning pads 54-B 026 or 54-B 040 and clamp ring 54-B 002, or boot 54-B 005



**Tungsten insert 60°**  
**Order No.: 54-B 037 - \$63.00**  
 Use with cleaning pad 54-B 027 and clamp ring 54-B 002 or boot 54-B 006



**Large graphite insert for Micro-Wand**  
**Order No.: 54-B 048 - \$183.70**  
 35 mm W - Ideal for surface renewing or restoring, and to clean the back of MIG welds



**Narrow tungsten insert 90°**  
**Order No.: 54-B 038 - \$41.00**  
 Use with cleaning pads 54-B 028 or 54-B 041 and clamp ring 54-B 020, or boot 54-B 007



**Narrow tungsten insert 60°**  
**Order No.: 54-B 039 - \$41.00**  
 Use with cleaning pad 54-B 028 and clamp ring 54-B 020 or boot 54-B 008



**Cartridge refiller**  
**Order No.: 54-B 092 - \$250.00**



**Electrolyte straw**  
**Order No.: 48-R 294 - \$11.20**  
 10 per package



**Tungsten insert kit for MINI SURFOX**  
**Order No.: 54-B 042 - \$334.85**  
 Includes:  
 1 x 54-B 036  
 1 x 54-B 037  
 1 x 54-B 038  
 1 x 54-B 039

# SURFOX SOLUTIONS



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Cartridge	100 ml	3.4 oz	54-A 061	S-14E	6	\$56.60
Liquid	1.5 L	51 oz	54-A 065	S-10E	1	\$30.00
Liquid	5 L	1.3 gal	54-A 066	S-10E	1	\$92.00
Liquid	20 L	5.2 gal	54-A 067	S-10E	1	\$352.00
Liquid	208 L	55 gal	54-A 068	S-10E	1	\$2,281.00



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Cartridge	100 ml	3.4 oz	54-A 001	S-01E	6	\$66.90
Liquid	1.5 L	51 oz	54-A 005	S-01E	1	\$34.00
Liquid	5 L	1.3 gal	54-A 006	S-01E	1	\$102.00
Liquid	20 L	5.2 gal	54-A 007	S-01E	1	\$388.35
Liquid	208 L	55 gal	54-A 008	S-01E	1	\$2,414.30



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Sprayer	500 ml	16.9 oz	54-A 023	S-03E	12	\$9.45
Liquid	5 L	1.3 gal	54-A 026	S-03E	1	\$27.95
Liquid	20 L	5.2 gal	54-A 027	S-03E	1	\$101.80
Liquid	208 L	55 gal	54-A 028	S-03E	1	\$734.75

## SURFOX-G™

Electrolyte solution

Must be applied with the high conductivity pads: 54-B 026, 54-B 027 or 54-B 028.

NSF category A3, registration #146974

- ▷ Great TIG and Spot weld cleaning on stainless or steel
- ▷ pH neutral, non acidic
- ▷ Less fumes
- ▷ Safe alternative to pickling paste and strong acids
- ▷ Non-corrosive
- ▷ Salt-based
- ▷ Compatible with all SURFOX machines
- ▷ Lower environmental impact



## SURFOX-T™

Heavy-duty formula

For maximum performance, apply with the conductivity pads: 54-B 026, 54-B 027 or 54-B 028.

NSF category A3, registration #142984

- ▷ Will clean harder to clean TIG welds on stainless steel and pulsed MIG welds
- ▷ Safe alternative to pickling paste and strong acids
- ▷ SCAQMD compliant



## SURFOX-N™

Cleaning and neutralizing formula

NSF category A1, registration #142985

- ▷ Must be used to clean and neutralize SURFOX electrolyte solutions
- ▷ SCAQMD compliant



## SURFOX™ PRE-WELD

Fast drying surface cleaner

Formulated for preparing and degreasing metallic surfaces prior to welding.

### Benefits

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

### Features

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



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Sprayer	500 ml	16.9 oz	54-A 073	S-13E	12	\$12.35
Liquid	5 L	1.3 gal	54-A 076	S-13E	1	\$59.95
Liquid	20 L	5.2 gal	54-A 077	S-13E	1	\$208.40

## SURFOX™ RENEW

High strength stainless steel cleaner

Highly concentrated, gel formulation cleaner for removing rust and mineral deposits from stainless steel. Removes contaminants without attacking the parent material.

### Benefits

- ▷ *Gel formulation allows the product to cling to inclined surfaces*
- ▷ *VOC-free, solvent-free, non-flammable, biodegradable surfactants*
- ▷ *Removal of 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*

////////////////////  
**Tech tip!**

*After the application of SURFOX Renew, neutralize with SURFOX-N.*

////////////////////



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Sprayer	500 ml	16.9 oz	54-A 083	S-11E	12	\$12.00
Liquid	5 L	1.3 gal	54-A 086	S-11E	1	\$51.50
Liquid	20 L	5.2 gal	54-A 087	S-11E	1	\$185.25

## SURFOX™ SHINE

Cleaner and protector for stainless steel

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

### 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*

### Features

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



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Sprayer	500 ml	16.9 oz	54-A 093	S-12E	12	\$14.85
Liquid	5 L	1.3 gal	54-A 096	S-12E	1	\$67.20
Liquid	20 L	5.2 gal	54-A 097	S-12E	1	\$247.00



# SURFOX PADS

## High conductivity cleaning pads

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



**Standard cleaning pad**  
**Order no: 54-B 026 - \$115.45**  
 46 mm L x 24 mm W x 4 mm T  
 Use with inserts 48-R 133  
 and 54-B 036  
 10 per package plus  
 clamp ring



**Inside corners cleaning pad**  
**Order no: 54-B 027 - \$113.65**  
 60 mm L x 38 mm W x 2 mm T  
 Use with inserts 54-B 016  
 and 54-B 037  
 10 per package plus  
 clamp ring



**Narrow cleaning pad**  
**Order No.: 54-B 028 - \$115.45**  
 46 mm L x 24 mm W x 2 mm T  
 Use with inserts 54-B 017,  
 54-B 018, 54-B 038  
 and 54-B 039  
 10 per package plus  
 clamp ring



**Large pads for large graphite insert**  
**Order No.: 54-B 043 - \$137.50**  
 90 mm L X 50 mm W X 2 mm T  
 Pack of 10 with O-ring



**Large pads for large graphite insert**  
**Order No.: 54-B 051 - \$71.10**  
 Pack of 10 with O-ring

## High conductivity cleaning boots

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



**Cleaning boot for inside corners 90°**  
**Order No.: 54-B 055 - \$141.75**  
 Use with inserts 48-R 133  
 10 per package



**Cleaning boot for inside corners 60°**  
**Order No.: 54-B 056 - \$155.35**  
 Use with inserts 54-B 016  
 10 per package



**Cleaning boots kit**  
**Order No.: 54-B 059 - \$456.60**  
 Includes: 10 of each boot 54-B 055,  
 54-B 056, 54-B 057 and 54-B 058



**Narrow cleaning boot 90°**  
**Order No.: 54-B 057 - \$94.45**  
 Use with inserts 54-B 017  
 10 per package



**Narrow cleaning boot 60°**  
**Order No.: 54-B 058 - \$120.70**  
 Use with inserts 54-B 018  
 10 per package

## Classic cleaning pads

Designed to be used with SURFOX-T liquid



**Standard cleaning pad**  
**Order No.: 54-B 040 - \$115.45**  
 Use with inserts 48-R 133  
 and 54-B 036



**Narrow cleaning pad**  
**Order No.: 54-B 041 - \$76.10**  
 Use with inserts 54-B 017  
 and 54-B 038



**Cleaning boot for inside corners 90°**  
**Order No.: 54-B 005 - \$53.55**  
 Use with inserts 48-R 133  
 and 54-B 021, 5 per package



**Cleaning boot for inside corners 60°**  
**Order No.: 54-B 006 - \$63.00**  
 Use with inserts 54-B 016  
 and 54-B 024, 5 per package



**Narrow cleaning boot 90°**  
**Order No.: 54-B 007 - \$53.55**  
 Use with inserts 54-B 017  
 and 54-B 022, 5 per package



**Narrow cleaning boot 60°**  
**Order No.: 54-B 008 - \$61.90**  
 Use with inserts 54-B 018  
 and 54-B 025, 5 per package



**Large pad for graphite insert on SURFOX 304**  
**Order No.: 54-B 052 - \$120.00**  
 Pack of 5

# OTHER SURFOX ACCESSORIES

For all models



**Narrow clamp ring for narrow pads**  
**Order No.: 54-B 020 - \$17.05**  
 Use with narrow inserts 54-B 017, 54-B 018, 54-B 038 and 54-B 039  
 10 per package



**SURFOX Powercloth**  
**Order No.: 54-B 090 - \$26.80**



**Micro-Wand and brush kit**  
**Order No.: 54-B 133 - \$960.00**  
 With carbon fiber brush for cleaning corners and intricate areas



**Micro-Wand and Tungsten insert kit**  
**Order No.: 54-B 033 - \$708.55**  
 With Tungsten Inserts and Pads for cleaning corners and intricate areas



**Clamp ring for cleaning pads**  
**Order No.: 54-B 002 - \$45.15**  
 Use with inserts 48-R 133, 54-B 016, 54-B 036 and 54-B 037  
 10 per package



**Carbon fiber brush for Micro-Wand**  
**Order No.: 54-B 097 - \$190.00**  
 Without adaptor - Pack of 5



**Cylindrical sleeve for Micro-Wand Carbon fiber brush**  
**Order No.: 54-B 103 - \$15.00**



**Spare brush adaptor for Micro-Wand**  
**Order No.: 54-B 100 - \$45.00**



**12' long cable for Micro-Wand**  
**Order No.: 48-R 458 - \$43.35**

## SURFOX-N refillable trigger sprayer



Clearly identified with product specific labels showing product features, WHMIS information and directions for use.

Desc.	Size		Order No.	Std Pkg	Price ea.
	Metric	US Gal			
SURFOX-N	950 ml	32.1 oz	53-L 339	1	\$6.60

## SURFOX station

**Order No.: 54-B 050 - \$708.55**

With its sturdy and industrial design, the new SURFOX station has been designed with weld cleaning in mind. Facilitating the support and movement of your SURFOX system throughout your work environment as well as allowing for the storage of your various cleaning agents and accessories, makes this SURFOX station a must for any modern facility!



# SURFOX MARKING KITS

## **SURFOX™ SMART PRO MARKING KIT**

**NEW**

*Go ahead, make your mark!*

The SURFOX™ Smart Pro Marking Kit makes marking faster and easier. With a stand-alone printer, simply connect a USB stick with your image or logo, and print the marking stencil instantaneously. Quick, easy-to-use, and effective for etching or marking.

Whether you want to apply a permanent logo, UPC code, label, or anything else to your stainless steel surface, the SURFOX™ Smart Pro Marking Kit is the solution.



## **PRO MARKING KIT AND PRINTER**

**Order no. 54-B 084 - \$2,570.00**

The PRO kit is offered with a stencil thermo 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.

### **The PRO kit includes:**

Marking wand and black cable, pack of 20 marking pads, 5 o-rings and 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), thermo printer and roll of stencil paper 20 meter, packaged in a professional and sturdy casing.





### STANDARD MARKING KIT

Order no. 54-B 080 - **\$531.10**

The standard kit requires the use of permanent stencils.

#### The standard kit includes:

Marking wand and black cable, pack of 20 marking pads, 5 O-rings and 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 casing.



#### Permanent stencils

Can be used up to 200 times.

25 mm X 15 mm	No. 54-B 075 - <b>\$142.75</b>	128 mm X 85 mm	No. 54-B 078 - <b>\$335.90</b>
54 mm X 32 mm	No. 54-B 076 - <b>\$94.45</b>	170 mm X 54 mm	No. 54-B 072 - <b>\$302.00</b>
85 mm X 27 mm	No. 54-B 071 - <b>\$198.15</b>	170 mm X 108 mm	No. 54-B 073 - <b>\$330.65</b>
85 mm X 54 mm	No. 54-B 077 - <b>\$236.20</b>	257 mm X 170 mm	No. 54-B 074 - <b>\$390.50</b>

### Accessories for marking kits



**SURFOX-M marking solution**  
100 ml squeeze bottle  
NSF category P1,  
registration #146175  
No. 54-A 031 - **\$28.35**  
Also available in 5 L format  
No. 54-A 036 - **\$519.60**



**SURFOX-E etching solution**  
100 ml squeeze bottle  
No. 54-A 041 - **\$30.45**



**Stencil paper roll**  
100 mm x 20 m  
No. 54-B 086 - **\$157.45**  
100 mm x 50 m  
No. 54-B 087 - **\$312.80**



**Marking pads**  
Pack of 20  
No. 54-B 083 - **\$40.95**



**Graphite marking insert**  
No. 54-B 088 - **\$117.05**



**Black cable**  
No. 54-B 063 - **\$45.65**



**Marking wand**  
No. 54-B 082 - **\$335.90**



**O-rings**  
Pack of 5  
No. 54-B 089 - **\$5.25**

# SURFACE MEASURING SYSTEMS



**NEW**

## **SURFOX™ SMART PASSIVATION TESTER**

### Easily guarantee passivated stainless steel

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

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

Avoid costly re-work and rejected pieces or disrupting operations and ship your products with confidence by guaranteeing that the passive layer has been properly created. With the SURFOX™ Smart Passivation Tester you rely on the most innovative and easy-to-use technology on the go.

# SURFOX™ SMART PASSIVATION TESTER

## How it works

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

- ▷ **Easy to use**
- ▷ **Wireless device**
- ▷ **Bluetooth-enabled**
- ▷ **Smart Phone compatible**
- ▷ **Seamless logs stored in a database**
- ▷ **Quickly generate reports**
- ▷ **Monitor, measure and guarantee the passivation level on workpieces or finished goods**
- ▷ **Exceeds customers’ standards**
- ▷ **Minimize costly downtime caused by reworks**
- ▷ **Destructive-free method – will not damage stainless steel piece**

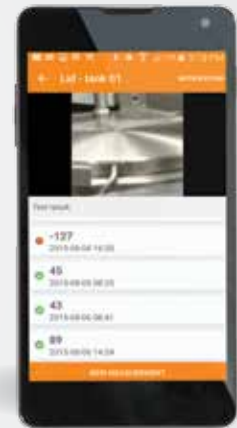
Bluetooth | Wi-Fi | 



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



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



Results are tabulated immediately.








Identify all parts of your surface to determine passivation measurement locations and store each result.



Stay organized with the ability to securely and confidentially store results by customer and store all your jobs on the Walter Cloud platform.

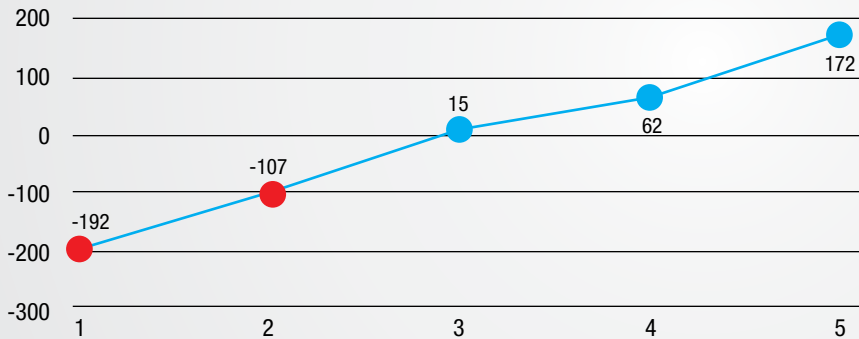




Access your projects and data easily through the Walter Cloud without the need for printouts or land connections. Simply go on [www.smart.surfox.com](http://www.smart.surfox.com)

**Monitor the evolution over time.**



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



**Provide documented proof of passivation once completed!**

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



**Order No. 54-T 011 - \$2,500.00**

**Accessories**

- Replacement cartridge **Order No. 54-A 050 - \$224.00**
- White felt tips (pkg 5) **Order No. 54-B 046 - \$40.00**

**VIDEO**



[www.walter.com](http://www.walter.com)



## STAINLESS STEEL GRADE IDENTIFICATION TESTER

Easily identify which type of stainless steel you are dealing with

**Order No. 54-T 001 - \$692.80**

There are countless types of stainless steels, mainly grouped in 3 categories or grades: 200, 300 and 400.

Since it is visually impossible to differentiate between 200, 304, 316 and 400 grade stainless steel, Walter provides a test kit that allows customers to instantly identify the grade of stainless steel.

### Standard equipment

Testing device, molybdenum reagent (100 ml), blotting paper and a sturdy carrying case



### Accessories

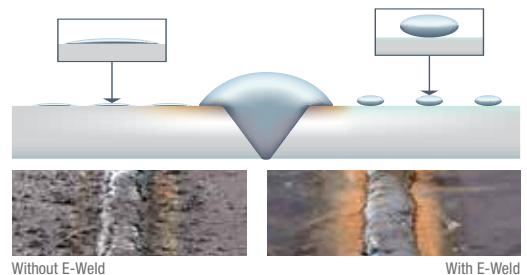
Manganese reagent	<b>Order No. 54-A 052 - \$176.40</b>
Blotter papers (pkg 100)	<b>Order No. 54-B 044 - \$18.35</b>
White felt tips (pkg 5)	<b>Order No. 54-B 045 - \$40.00</b>
Molybdenum reagent (100 ml)	<b>Order No. 54-A 051 - \$136.50</b>



# WELD PREPARATION ANTI-SPATTER

## Why use anti-spatter solutions?

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



## Why use WALTER E-Weld anti-spatter solutions?

As a company who is consistently looking to increase your productivity while reducing cost, Walter has developed a safer and healthier line of anti-spatter solutions to prevent spatter from adhering to the surfaces. Our anti-spatter solutions are biodegradable, non-flammable and non-toxic.

## Selection chart



Required protection	Amperage range	Advantages	Products
Nozzle protection	Very high temp	Ceramic / Resists to up to 1000° C	E-WELD Nozzle
	High temp	Practical magnetic gel dispenser	E-WELD Gel
Anti-spatter	100-400 Amps Very high temp	Multi pass, stainless steel, cleaning surface prior to welding	E-WELD 3 AF-WELD HT
	100-225 Amps high temp	Corrosion protection and reduced porosity	E-WELD 4 AF-WELD
		Corrosion protection	E-WELD



## E-WELD NOZZLE

Total nozzle protection for best efficiency

Extend the life of welding nozzles with E-WELD nozzle exclusive applicator. This highly concentrated formula evenly coats the exterior and interior surface of your welding nozzle to avoid spatter from adhering to the nozzle. This prevents obstructions and allows the gas to constantly flow freely resulting in a better 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 the ideal solution for MIG welding, as the E-WELD Nozzle can withstand high temperatures and can also be used in plasma and laser cutting applications.

- ▷ *No weld contamination*
- ▷ *No porosity*
- ▷ *No time lost on scrap pieces to get rid of viscous coating prior to actual work*

*Protecting welding nozzles for up to 8 hours*



Nozzle using E-Weld Nozzle



Nozzle fully clogged (not using E-WELD Nozzle)

*Unique self-dispensing applicators easily dispenses highly concentrated ceramic coating*

- ▷ *Economical*
- ▷ *Improves weld quality and reduces rejection rate*
- ▷ *Only a thin layer needed*
- ▷ *Extends lifetime of nozzles*
- ▷ *Eliminates the frequent need for replacement*

Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Aerosol	400 ml	13.5 fl. oz.	53-F 212	F-156E	6	\$40.70
Applicator			53-L 121		1	\$19.00
Aerosol and applicator			53-F 912	F-156E	1	\$48.95

VIDEO

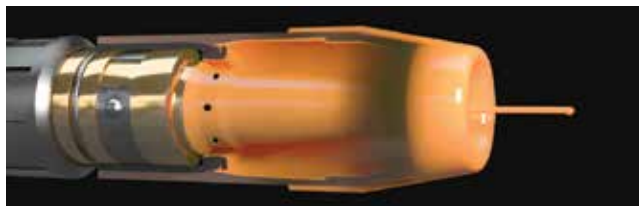


*How to properly install and use E-WELD Nozzle*

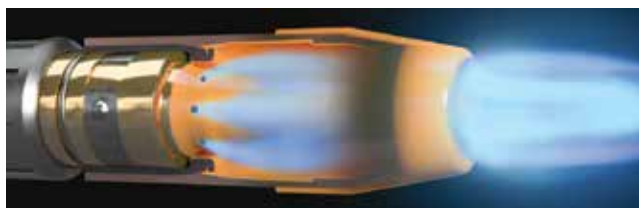


## NOZZLE PROTECTION TO AVOID SPATTER BUILD-UP

### 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 wire in a constant way.



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!**



## E-WELD GEL™

### Anti-spatter gel

Superior anti-spatter gel for protecting welding nozzles and contact tips.

- ▷ *Extends welding torch life*
- ▷ *Fast, easier cleaning of nozzles and contact tips*
- ▷ *Free of chlorinated compounds and silicone*
- ▷ *Protection of the inside and outside of welding nozzles and contact tips*
- ▷ *Odourless*
- ▷ *Packaging height is designed to prevent clogging of gas diffusers in welding nozzle*

Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Metal tin	200 g	7.0 oz	53-F 103	L-12E	12	\$9.25

Colour: Translucent

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



## E-WELD™

Anti-spatter emulsion

E-WELD is an effective anti-spatter emulsion. It protects workpieces, welding equipment and eliminates time-consuming spatter removal work.

- ▷ Corrosion resistant
- ▷ No additional steps required in paint preparation
- ▷ VOC-free, solvent-free, silicone-free, biodegradable and non-flammable
- ▷ Formulation based on natural plant extracts
- ▷ Odourless
- ▷ Effective welding amperage range: 100-225A



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Aerosol	400 ml	13.55 oz	53-F 002	L-10E	12	\$11.20
Sprayer	500 ml	16.9 oz	53-F 203	L-21E	12	\$13.10
Liquid	5 L	1.3 gal	53-F 206	L-21E	1	\$100.95
Liquid	20 L	5.2 gal	53-F 207	L-21E	1	\$355.45
Liquid	208 L	55 gal	53-F 208	L-21E	1	\$1,338.35

Colour: Milky green

////////////////////  
**Tech tip!**  
 Only requires a thin protective film  
 to prevent spatter adhesion.  
 //////////////////////



## E-WELD 3™

High temperature anti-spatter solution

E-WELD 3 is a unique, high performing anti-spatter solution that protect workpieces from adherence of high energy spatter and eliminates costly spatter removal operations. *NSF category P1, registration #145451*

### Benefits

- ▷ Cleans and degreases weld area
- ▷ Allows multi pass welding
- ▷ Can also be used as a degreaser

### Features

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



Description	Size		Order No.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Sprayer	500 ml	16.9 oz	53-F 253	L-46E	12	\$14.75
Liquid	5 L	1.3 gal	53-F 256	L-46E	1	\$114.55
Liquid	20 L	5.2 gal	53-F 257	L-46E	1	\$389.75
Liquid	208 L	55 gal	53-F 258	L-46E	1	\$2,141.35

Colour: Clear blue

# E-WELD 4™

Premium anti-spatter emulsion

E-WELD 4 is a state of the art anti-spatter which protects work-pieces from adherence of spatter. With the addition of special and natural ingredients, E-WELD 4 retracts in the presence of heat, leaving the welding area clean of liquid.

### Benefits

- ▷ Will not contribute to weld porosity
- ▷ No weld cracking
- ▷ Corrosion resistant
- ▷ No additional steps required in paint preparation

### 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.	MSDS	Std Pkg	Price ea.
	Metric	US Gal				
Sprayer	500 ml	16.9 oz	53-F 403	L-147E	12	\$14.50
Liquid	5 L	1.3 gal.	53-F 406	L-147E	1	\$113.55
Liquid	20 L	5.2 gal.	53-F 407	L-147E	1	\$382.25
Liquid	208 L	55 gal.	53-F 408	L-147E	1	\$1,788.00

Colour: Light green



## INDUSTRIAL PUMP SPRAYERS

Rugged and convenient sprayers designed to 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 fast surface coverage. These thick walled polyethylene bottles feature a wide neck for easy filling hundreds of times.

Description	Size		Order No.	Std Pkg	Price ea.
	Metric	US Gal			
E-Weld	900 ml	30.4 oz	53-L 101	1	\$61.05
E-Weld 3	900 ml	30.4 oz	53-L 105	1	\$61.05
E-Weld 4	900 ml	30.4 oz	53-L 107	1	\$61.05



## 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 information and directions for use.

Description	Size		Order No.	Std Pkg	Price ea.
	Metric	US Gal			
E-Weld	500 ml	16.9 oz	53-L 321	1	\$6.60
E-Weld 3	500 ml	16.9 oz	53-L 320	1	\$6.60
E-Weld 4	500 ml	16.9 oz	53-L 338	1	\$6.60





## AIR FORCE AF-WELD™

### Premium anti-spatter system

Air Force AF-Weld is a state of the art anti-spatter which protects workpieces from adherence of spatter. AF-Weld is the only anti-spatter on the market which will help you perform porosity-free, crack-free welds while drastically reducing your environmental impact (compressed air is the propellant, and you eliminate the disposal of empty aerosol cans).

AF-Weld anti-spatter retracts in the presence of heat, leaving the immediate welding area clean and void of liquid. This effectively prevents anti-spatter liquid from chemically interacting with the weld pool during fusion. AF-Weld improves productivity and weld quality!

NSF category P1, registration #145454

#### Benefits

- ▷ Porosity-free
- ▷ No weld cracking
- ▷ Corrosion resistant
- ▷ No additional steps required in paint preparation

#### Features

- ▷ VOC-free, solvent-free and silicone-free, biodegradable
- ▷ Formulation based on natural plant extracts
- ▷ Pleasant citrus scent
- ▷ 10 L (2.6 gal) innovative bag-in-box packaging for low environmental impact
- ▷ Large 208 L format for even greater cost savings!
- ▷ Effective welding amperage range: 100-225 A

#### Value-added

- ▷ Create a healthier and safer work environment
- ▷ Reduce your chemical waste stream
- ▷ Lower operating costs
- ▷ Increase quality of welds
- ▷ Increase welder productivity



Description	Size		Order No.	MSDS	Std pkg	Price ea.
	Metric	US Gal				
Bag-in-box	10 L	2.6 gal	57-F 005	L-141E	1	\$183.70
Drum	208 L	55 gal	57-F 008	L-141E	1	\$1,800.00
Refillable sprayer bottle	300 ml	10 oz	57-B 110	L-141E	6	\$43.05
Replacement valve kit			57-B 001		1	\$7.95
Straw filter for refillable sprayer bottle			57-B 003			\$1.50

# AIR FORCE AF-WELD™ KITS

A unique, cost efficient and eco-friendly anti-spatter system

The system combines AF-WELD with the Air Force refilling station and eliminate the disposal of aerosol cans. It refills and pressurizes reusable aerosol cans with AF-WELD and compressed air.

### Benefits

- ▷ *The Air Force station is safe, convenient, effective and very easy to use*
- ▷ *The safety and cost-effectiveness of bulk packaging*
- ▷ *Convenience of aerosols*
- ▷ *No more disposal of hazardous aerosol cans*
- ▷ *Environmentally friendly*



### Did you know...

A 10L (2.6 gal) bag-in-box of AF-Weld anti-spatter replaces as many as 36 aerosol cans! Air Force AF-Weld reduces costs associated to storage, handling and disposal.

#### Air Force AF-WELD 10 L - Starter kit

**Order no.** 57-D 110 K - **\$923.70**

#### Includes:

- ◆ Use of Walter Air Force station\*
- ◆ 4 x 10 L of AF-WELD liquid (57-F 005)
- ◆ 2 x refillable AF-WELD bottles (57-B 110)
- ◆ Customer Service help desk
- ◆ Walter's commitment to Life Cycle Stewardship of the Air Force station
- ◆ Free shipping

#### Air Force AF-WELD 208 L - Starter kit

**Order no.** 57-D 210 K - **\$2,346.05**

#### Includes:

- ◆ Use of Walter Air Force station\*
- ◆ 1 x 208 L of AF-WELD liquid (57-F 008)
- ◆ 6 x refillable AF-WELD bottles (57-B 110)
- ◆ Customer Service help desk
- ◆ Walter's commitment to Life Cycle Stewardship of the Air Force station
- ◆ Free shipping



4x



2x



1x



6x



## AIR FORCE AF-WELD™ HT

High temperature anti-spatter solution

AF-Weld HT is a unique, high performing anti-spatter solution that protect workpieces from adherence of high energy spatter such as those produced while welding stainless steel, therefore eliminating costly spatter removal operations.

### Formulated for

- ▷ Multiple pass welding
- ▷ Thin sheet welding
- ▷ Stainless steel welding
- ▷ Pre-heated workpieces

### Benefits

- ▷ Multi-functional product, can be used as a degreaser to prepare surfaces prior to welding
- ▷ No additional steps required in paint preparation
- ▷ VOC-free, solvent-free, silicone-free and biodegradable
- ▷ Odourless

Effective amperage range: 100 – 400 A



**NEW**

Description	Size		Order No.	MSDS	Std pkg	Price ea.
	Metric	US Gal				
Bag-in-box	10 L	2.6 gal	57-F 055	L-136E	1	\$150.00
Drum	208 L	55 gal	57-F 058	L-136E	1	\$1,100.00
Refillable sprayer bottle	300 ml	10 oz	57-B 115	L-136E	6	\$43.05
Replacement valve kit			57-B 001		1	\$1.50
Straw filter for refillable sprayer bottle			57-B 003			\$1.50



### Air Force AF-WELD HT 10 L - Starter kit

Order no. 57-D 120K - \$905.00

#### Includes:

- ◆ Use of Walter Air Force station\*
- ◆ 4 x 10 L of AF-WELD HT liquid (57-F 055)
- ◆ 2 x refillable AF-WELD HT bottles (57-B 115)
- ◆ Customer Service help desk
- ◆ Walter's commitment to Life Cycle Stewardship of the Air Force station
- ◆ Free shipping

### Air Force AF-WELD HT 208 L - Starter kit

Order no. 57-D 220 K - \$2,250.00

#### Includes:

- ◆ Use of Walter Air Force station\*
- ◆ 1 x 208 L of AF-WELD HT liquid (57-F 058)
- ◆ 6 x refillable AF-WELD HT bottles (57-B 115)
- ◆ Customer Service help desk
- ◆ Walter's commitment to Life Cycle Stewardship of the Air Force station
- ◆ Free shipping





# CUTTING

CUTTING EDGE  
PRODUCTS FOR  
UNSURPASSED  
RESULTS



# ZIPCUT Family of products

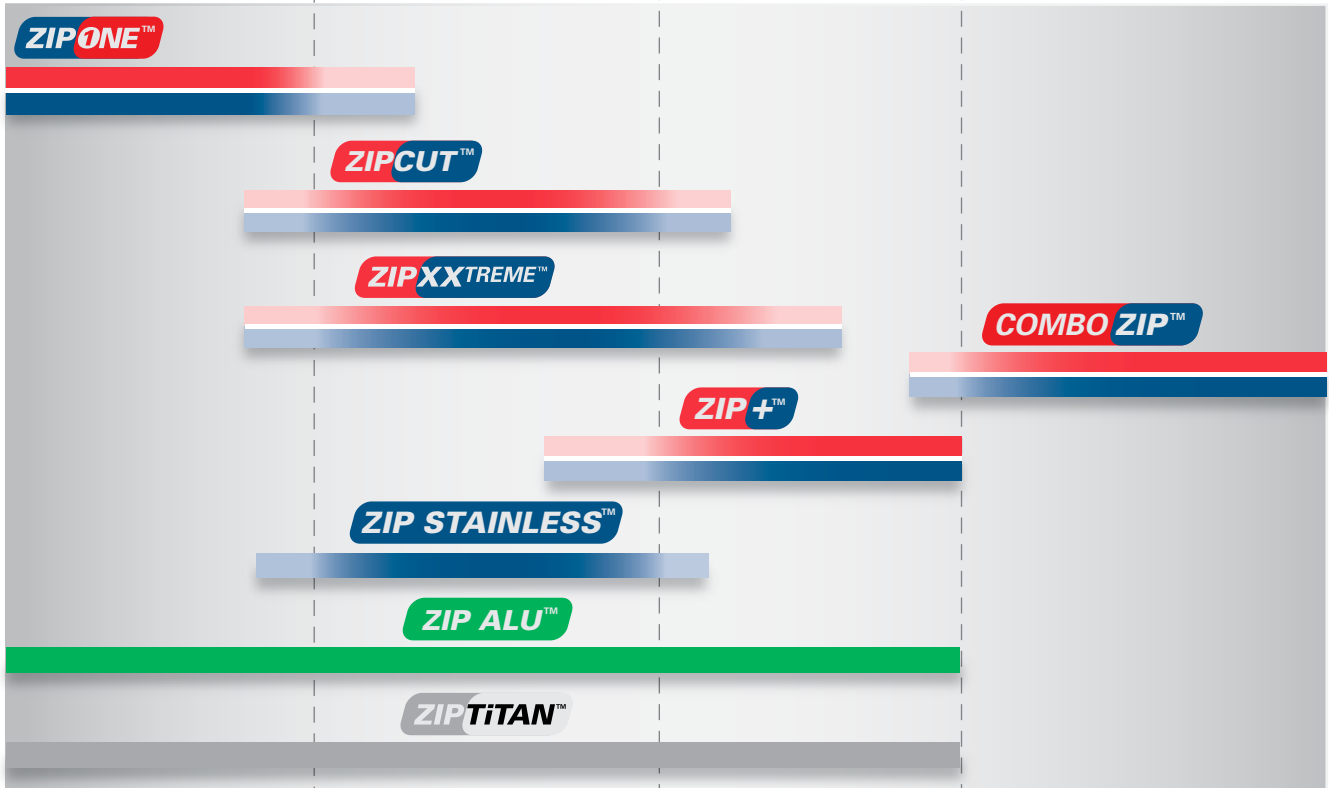


Thin gauge cutting

General cutting

Rough cutting

Cutting and deburring



● Steel ● Stainless steel ● Aluminum ● Titanium



## Walter industrial gloves

Protective, sleek, and tight fitting for comfort. Walter's newly-designed, ultimate work gloves are made to resist the toughest applications. They are made of 100% Black Goatskin leather, with a neoprene insert that reduces vibrations. The thumb curve is made with Kevlar™, a natural anti-slip solution. Simply put, these gloves are the toughest, safest and most comfortable, to help you get the job done.

	Order No.	Price
Large	30-B 093	\$43.50
Extra-large	30-B 095	\$43.50

## ZIPCUT | FEATURES

*Why are Walter thin cut-off wheels only the best on the marketplace today?*



### *Exclusive Packaging*

Walter's cut-off wheels are sold in a unique, practical, and reusable plastic container that preserves its physical properties, thereby enhancing performance, safety, and durability.



### *Rib Design*

Walter's rib design features raised ribs to reduce friction on the surface, for a freer and cooler cut. With reduced side friction, the cut-off wheel will cut faster, last longer and perform at an optimal rate.



### *Triple Reinforcement Combo Zip™*

3 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.



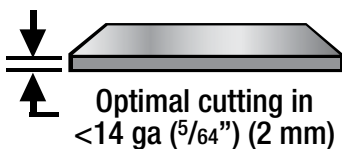
### *Type 27 Narrow Crown on 4-1/2" and 5"*

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.



### *Metal Cladding on Type 27 safety*

Metal hub cladding prevents contact with the workpiece and therefore improves safety. Also provides extra strength and control.



### *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 not only lasts, but it also allows you to more accurately cut thin metal without creating burrs.



### *Spin-On Wheels for Easy Mounting*

Changing your cut-off wheels, in a secure manner, is quick and easy, which results in minimal downtime and improved efficiency when working on your project.

"Only the best"



THE ALL NEW  
**ZIPXXXTREME™**

XXTreme performance. XXTreme LIFE.

The lowest cost  
per cut in the  
industry.



VIDEO



[www.walter.com](http://www.walter.com)

**WALTER**  
Surface Technologies

# ZIP XXTREME™

**NEW**

The longest lasting 3/64" thin cut-off wheel

Walter continuously develops new technologies to improve cut-off wheel performances. The new ZIP XXTREME™ is the latest in product innovations from Walter, cementing Walter's place as the industry leader. The ZIP XXTREME™ is the longest lasting cut-off wheel, boasting the lowest cost per cut compared to all other 3/64" thin cut-off wheels. Save time working on your projects, and save money using the ZIP XXTREME™ by getting the job done more efficiently. These cut-off wheels last up to 20% longer than other wheels in this category.

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

## TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-T 044	A-60-ZIPXX	13,300	25	400	\$5.00
5"	3/64" (.045")	7/8"	11-T 054	A-60-ZIPXX	12,200	25	400	\$5.45
6"	3/64" (.045")	7/8"	11-T 064	A-36-ZIPXX	10,200	25	200	\$9.10
7"	1/16" (.062")	7/8"	11-T 074	A-36-ZIPXX	8,600	25	100	\$9.10



**GET 33% MORE LIFE  
WHEN COMBINED  
WITH NEW MINI-PLUS!  
See page 147.**



# ZIP TiTAN™

**NEW**

Best solution for cutting titanium and brass

For the optimal solution when working with titanium and brass materials, trust the new ZIP TiTAN™, designed specifically for exceptional cutting efficiency in those metals. The ZIP TiTAN™ cuts through metals without overheating them, preserving the mechanical properties and surface integrity of the material being cut.

- ▷ *Optimal cutting performance in titanium and brass*
- ▷ *Unique formulation which prevents metal from overheating*

## TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-H 042	A-60-ZIPT	13,300	25	400	\$4.55
5"	3/64" (.045")	7/8"	11-H 052	A-60-ZIPT	12,200	25	400	\$4.95
6"	3/64" (.045")	7/8"	11-H 062	A-36-ZIPT	10,200	25	200	\$6.65
7"	1/16" (.062")	7/8"	11-H 072	A-36-ZIPT	8,600	25	100	\$8.30





*Industry's leading and most trusted wheel*



- ▷ Significantly more cuts than the competition\*
- ▷ Less friction and faster cutting

\* According to comparative test measurements performed in a lab environment.



**GET 40% MORE LIFE WHEN COMBINED WITH NEW MINI-PLUS!**  
See page 147.

VIDEO



www.walter.com

# ZIPCUT™

Setting the industry standard for cut-off wheels

Recognized by name, ZIPCUT is the highest performance cut-off wheel on the market. Faster, cooler and free cutting, define your experience while using our ZIPCUT wheels. Heavily reinforced to ensure added safety, ZIPCUT is resilient, resisting twisting and bending, allowing for a true straight cut every time.

## TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-T 042	A-60-ZIP	13,300	25	400	\$4.50
5"	3/64" (.045")	7/8"	11-T 052	A-60-ZIP	12,200	25	400	\$4.95
6"	3/64" (.045")	7/8"	11-T 062	A-60-ZIP	10,200	25	200	\$6.65
7"	1/16" (.062")	7/8"	11-T 072	A-30-ZIP	8,600	25	100	\$8.30
9"*	5/64" (.078")	7/8"	11-T 092	A-30-ZIP	6,600	25	100	\$11.70

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

## TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
7"	1/16" (.062")	5/8"	11-T 070	A-30-ZIP	8,600	25	100	\$8.30
8"	1/16" (.062")	5/8"	11-T 080	A-30-ZIP	7,600	25	100	\$9.55
10"	3/32" (.062")	5/8"	11-T 100	A-30-ZIP	6,100	25	100	\$15.05

## TYPE 27



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-T 142	A-60-ZIP	13,300	25	400	\$4.80
5"	3/64" (.045")	7/8"	11-T 152	A-60-ZIP	12,200	25	200	\$5.25
6"	3/64" (.045")	7/8"	11-T 162	A-60-ZIP	10,200	25	200	\$7.10
7"	1/16" (.062")	7/8"	11-T 172	A-30-ZIP	8,600	25	100	\$8.50
9"	5/64" (.078")	7/8"	11-T 192	A-30-ZIP	6,600	25	100	\$12.35

### Accessory

Reducer bushing 7/8" to 5/8"

Order No. 10-A 984 - \$0.40

### Mounting accessories

Complete set for a flush fit and minimal spindle exposure beyond the clamping nut, for other brands of grinders with:



For 5/8"-11 spindles

Order No. 30-B 021 - \$33.85

Thick backing flange for a flush fit and minimal exposure of spindle beyond the clamping nut for Walter grinder with:



5/8"-11 spindles

Order No. 30-B 017 - \$21.00

M14x2.0 spindles

Order No. 30-B 016 - \$21.00

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



Order No. 30-B 022 - \$68.00

# 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.

*Quick and easy wheel change for minimum downtime*

- ▷ Perfectly centered wheel for total operator comfort
- ▷ Vibration-free cutting for maximum productivity



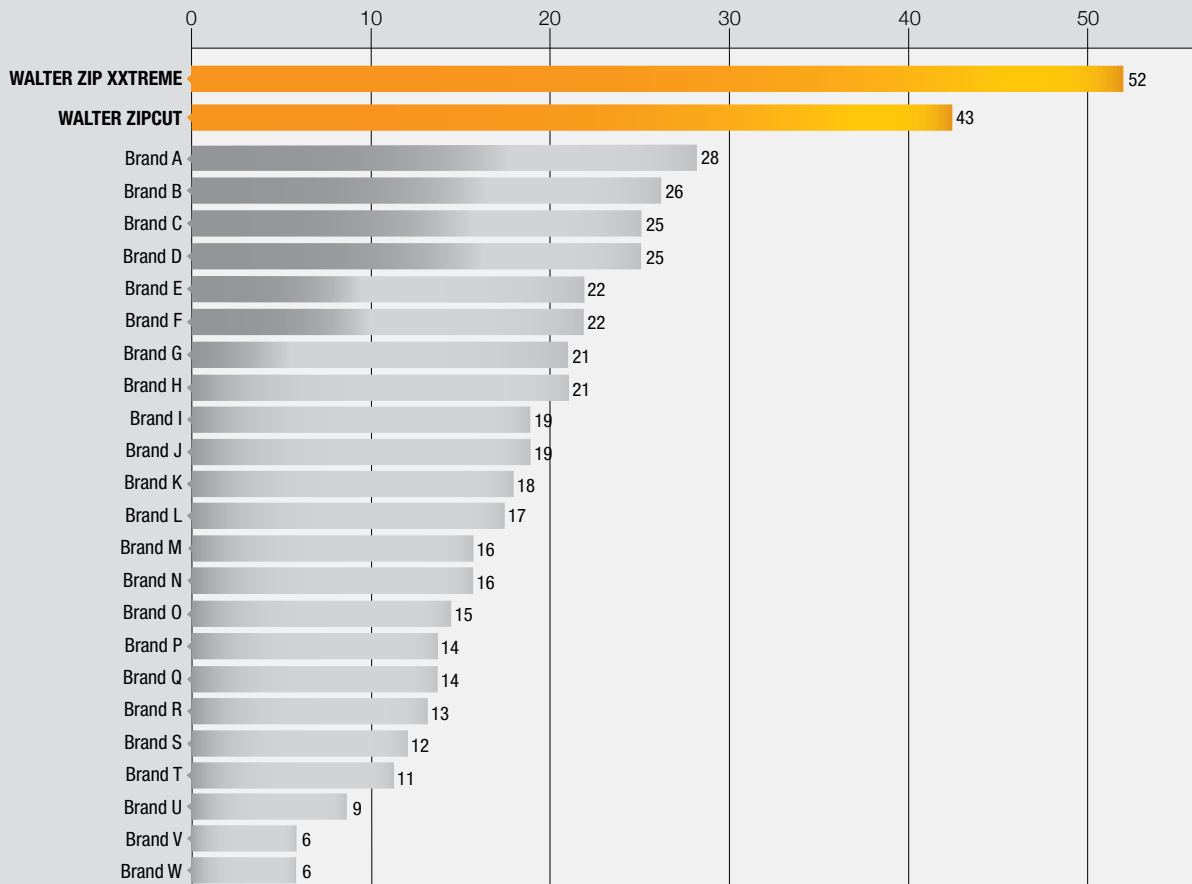
TYPE 27S



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	5/8"-11	11-T 342	A-60-ZIP	13,300	25	200	\$4.80
5"	3/64" (.045")	5/8"-11	11-T 352	A-60-ZIP	12,200	25	100	\$5.25
6"	3/64" (.045")	5/8"-11	11-T 362	A-60-ZIP	10,200	25	200	\$7.20

## ZIPCUT - Comparison test of 5" cutting wheels

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



# ZIP+ XTRA™

**NEW**

For the toughest cutting applications

ZIP+ XTRA is used by our clients with some of the most demanding cutting applications. These clients include: metal fabricators, maintenance departments, sheet metal shops, welding shops, mechanical contractors, equipment manufacturers, automotive shops, etc.



## TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/16" (.062")	7/8"	11-T 242	A-46-ZIP	13,300	25	400	\$4.45
5"	1/16" (.062")	7/8"	11-T 252	A-46-ZIP	12,200	25	400	\$5.00
6"	1/16" (.062")	7/8"	11-T 262	A-46-ZIP	10,200	25	200	\$6.75
7"	5/64" (.078")	7/8"	11-T 272	A-46-ZIP	8,600	25	100	\$8.05
9"	3/32" (.094")	7/8"	11-T 292*	A-46-ZIP	6,600	25	100	\$11.35

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

**Choose ZIP+ XTRA for the toughest projects!**

▶ Excellent performance for cutting material 1/8" and thicker

▶ The Type 27 is equipped with a metal hub cladding for extra strength, control and safety

▶ The preferred wheel for flush cutting in confined spaces

VIDEO



www.walter.com

## TYPE 27



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/16" (.062")	7/8"	11-T 453	A-46-ZIP	13,300	25	400	\$4.90
5"	1/16" (.062")	7/8"	11-T 503	A-46-ZIP	12,200	25	400	\$5.50
6"	1/16" (.062")	7/8"	11-T 603	A-46-ZIP	10,200	25	200	\$7.30

# TOUGH CUT™

Performance cutting with angle grinders

These thin wheels for angle grinders will cut fast and free without binding to minimize the load on the tool and maintain high RPM for a clean cut and best all-around performance.



## TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/32"	7/8"	11-R 042	A-30	13,300	25	200	\$4.45
5"	3/32"	7/8"	11-R 052	A-30	12,200	25	200	\$5.10
6"	3/32"	7/8"	11-R 062	A-30	10,200	25	200	\$6.25
7"	3/32"	7/8"	11-R 072	A-30	8,600	25	100	\$7.30
9"	3/32"	7/8"	11-R 092*	A-30	6,600	25	100	\$11.30

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



### Accessory

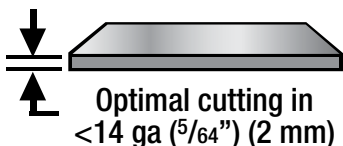
Reducer bushing 7/8" to 5/8"

Order No. 10-A 984 - \$0.40





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



- ▷ 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



Check out our high efficiency cordless ZIPCUTTER! Ideal for jobs on site or remote locations. See page 144.

VIDEO



www.walter.com

## ZIP ONE™

High performance cut-off wheel for thin gauge metal

The ZIP One, extra thin 1 mm (1/32" thin) cut-off wheel, is designed for precision cutting in thin gauge metal (< 8 ga or 4 mm). Thanks to an innovative technology exclusive to Walter, ZIP One allows you to more accurately cut thin metal without creating burrs. With ZIP One, you can expect the same cool and fast cuts and long wheel life as you have grown to love with Walter ZIPCUT wheels.

*Extra thin for ultra precision cutting*

### TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/32" (.035)	7/8"	11-T 542	ZA-60-ZIP	13,300	25	400	\$4.75
5"	1/32" (.035)	7/8"	11-T 552	ZA-60-ZIP	12,200	25	400	\$5.25

### TYPE 27



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/32" (.032")	7/8"	11-T 642	ZA-60-ZIP	13,300	25	400	\$4.85
5"	1/32" (.032")	7/8"	11-T 652	ZA-60-ZIP	12,200	25	400	\$5.35
6"	1/32" (.035")	7/8"	11-T 662	ZA-60-ZIP	10,200	25	200	\$7.20
7"	3/64" (.045")	7/8"	11-T 672	ZA-60-ZIP	8,600	25	100	\$8.50





- ▶ Type 27 allows more clearance for flush cutting
- ▶ Metal hub cladding for extra strength, control and safety



- ▶ Best wheel life and extra fast cutting in aluminum



## ZIP STAINLESS™

Superior cutting of nickel alloyed steels

These extra thin cut-off wheels (3/64"-.045") cut all stainless steels fast, free and cool for burr-free finishes. They are made with highly refined ingredients that will not contaminate stainless steel.

### TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-F 042	A-60-SS-ZIP	13,300	25	400	\$5.00
5"	3/64" (.045")	7/8"	11-F 052	A-60-SS-ZIP	12,200	25	400	\$5.55
6"	3/64" (.045")	7/8"	11-F 062	A-60-SS-ZIP	10,200	25	200	\$7.55
7"	1/16" (.062")	7/8"	11-F 072	A-46-SS-ZIP	8,600	25	100	\$8.65
9"	5/64" (.078")	7/8"	11-F 092*	A-46-SS-ZIP	6,600	25	100	\$12.20

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

### TYPE 27



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-F 142	A-60-SS-ZIP	13,300	25	400	\$5.20
5"	3/64" (.045")	7/8"	11-F 152	A-60-SS-ZIP	12,200	25	400	\$5.75
6"	3/64" (.045")	7/8"	11-F 162	A-60-SS-ZIP	10,200	25	200	\$7.65
7"	1/16" (.062")	7/8"	11-F 172	A-46-SS-ZIP	8,600	25	100	\$8.95
9"	5/64" (.078")	7/8"	11-F 192	A-46-SS-ZIP	6,600	25	100	\$12.70

## 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.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-U 042	A-60-ZIP-ALU	13,300	25	400	\$5.05
5"	3/64" (.045")	7/8"	11-U 052	A-60-ZIP-ALU	12,200	25	400	\$5.55
6"	3/64" (.045")	7/8"	11-U 062	A-60-ZIP-ALU	10,200	25	200	\$8.10
7"	1/16" (.062")	7/8"	11-U 072	A-30-ZIP-ALU	8,600	25	100	\$8.65

### TYPE 27



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/64" (.045")	7/8"	11-U 142	A-60-ZIP-ALU	13,300	25	400	\$5.40
5"	3/64" (.045")	7/8"	11-U 152	A-60-ZIP-ALU	12,200	25	400	\$5.90
6"	3/64" (.045")	7/8"	11-U 162	A-60-ZIP-ALU	10,200	25	200	\$8.65
7"	1/16" (.062")	7/8"	11-U 172	A-30-ZIP-ALU	8,600	25	100	\$9.10

# COMBO ZIP

Thin, fast and safe cutting and deburring

Cut and lightly grind with the same wheel. COMBO ZIP is ideal for notching, root pass cleaning, chamfering and much more. Only 5/64" thick, these tough cut-off wheels can bear the force of lateral pressure to allow users to light grind/deburr in the safest way possible.



- ▷ ZIP formulation guarantees fastest cutting time and long life
- ▷ Equipped with metal protective hub for extra strength, control and safety



## TYPE 27

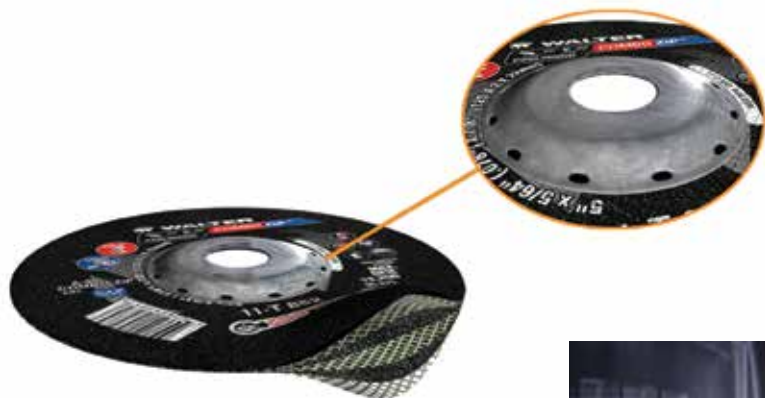
Dia.	Thickness	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/64" (.078")	7/8"	11-T 842	A-60-COMBO-ZIP	13,300	25	400	\$4.85
5"	5/64" (.078")	7/8"	11-T 852	A-60-COMBO-ZIP	12,200	25	400	\$5.40
6"	5/64" (.078")	7/8"	11-T 862	A-60-COMBO-ZIP	10,200	25	200	\$7.25



## SPIN-ON TYPE 27S



Dia.	Thickness	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/64" (.078")	5/8"-11	11-T 844	A-60-COMBO ZIP	13,300	25	200	\$4.85
5"	5/64" (.078")	5/8"-11	11-T 854	A-60-COMBO ZIP	12,200	25	200	\$5.40
6"	5/64" (.078")	5/8"-11	11-T 864	A-60-COMBO ZIP	10,200	25	200	\$7.25



*3 layers of reinforcement and metal cladding on hub for maximum safety*

VIDEO



www.walter.com





*Excellent wheel life*

▷ *Fast, cool and free cutting allowing the operator to work with minimal pressure for best control*

## ZIP™

Performance cutting and grinding with straight shaft and die grinders

ZIP wheels are made of highly refined ingredients which will not contaminate stainless steel and ensure top performance cutting.

For notching applications, it is recommended that you use  $\geq 1/8"$ , for grinding applications,  $\geq 1/2"$  is recommended.

### 2" TYPE 1



Fe-S-Cl  
<0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
2"	1/16"	5/16"	11-L 211	A-24-ZIP	30,600	25	200	\$4.35
2"	1/8"	5/16"	11-L 221	A-24-ZIP	30,600	25	200	\$4.60
2"	1/4"	5/16"	11-L 231	A-24-ZIP	30,600	25	200	\$6.75
2"	1/2"	5/16"	11-L 251	A-24-ZIP	30,600	25	200	\$10.15
2"	1/16"	3/8"	11-L 213	A-24-ZIP	30,600	25	200	\$4.35
2"	1/8"	3/8"	11-L 223	A-24-ZIP	30,600	25	200	\$4.60
2"	1/4"	3/8"	11-L 233	A-24-ZIP	30,600	25	200	\$6.75
2"	1/2"	3/8"	11-L 253	A-24-ZIP	30,600	25	200	\$10.15

### 3" TYPE 1



Fe-S-Cl  
<0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	1/32"	1/4"	11-L 302	A-60-ZIP	25,470	25	200	\$4.35
3"	1/16"	1/4"	11-L 312	A-24-ZIP	25,470	25	200	\$4.60
3"	1/8"	1/4"	11-L 322	A-24-ZIP	25,470	25	200	\$5.15
3"	1/32"	3/8"	11-L 303	A-60-ZIP	25,470	25	200	\$4.35
3"	1/16"	3/8"	11-L 313	A-24-ZIP	25,470	25	200	\$4.60
3"	1/8"	3/8"	11-L 323	A-24-ZIP	25,470	25	200	\$5.15
3"	1/4"	3/8"	11-L 333	A-24-ZIP	25,470	25	100	\$7.45
3"	1/2"	3/8"	11-L 353	A-24-ZIP	25,470	25	100	\$10.95



VIDEO



www.walter.com

### 4" TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	1/32"	3/8"	11-L 403	A-60-ZIP	19,100	25	200	\$4.90
4"	1/16"	3/8"	11-L 413	A-24-ZIP	19,100	25	200	\$4.90
4"	1/8"	3/8"	11-L 423	A-24-ZIP	19,100	25	200	\$5.45
4"	1/4"	3/8"	11-L 433	A-24-ZIP	19,100	25	100	\$8.30
4"	1/2"	3/8"	11-L 453	A-24-ZIP	19,100	25	100	\$14.70
4"	1/32"	5/8"	11-L 405	A-60-ZIP	19,100	25	200	\$4.90
4"	1/16"	5/8"	11-L 415	A-24-ZIP	19,100	25	200	\$4.90

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



### 3" and 4" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	1/32"	3/8"	11-L 308*	A-60-ZIP	25,470	25	200	\$4.60
4"	1/32"	3/8"	11-L 408**	A-60-ZIP	19,100	25	200	\$5.25

\* 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.	Price ea.
3"	1/32"	3/8"	11-U 303	A-60-ZIP-ALU	25,470	25	200	\$4.35
4"	1/32"	3/8"	11-U 403	A-60-ZIP-ALU	19,100	25	200	\$4.80



- ▷ Best wheel life and extra fast cutting in aluminum

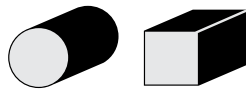
### Mounting accessories

Flush mandrels with 1/4" shaft		
	Order No.	Price
for wheel thickness up to 1/8"	11-L 007	\$29.20
For 2" and 3" wheels, 1/4" and 3/8" arbor	11-L 001	\$26.40
For 2" wheels, 5/16" arbor	11-L 006	\$26.40
For 3" and 4" wheels, 1/4" arbor	11-L 003	\$26.40
For 3" and 4" wheels, 3/8" arbor		
General purpose mandrels with 1/4" shaft		
	Order No.	Price
for wheel thickness up to 1/2"	11-L 008	\$14.70
For 2" wheels, 3/8" arbor	11-L 002	\$12.70
For 2" wheels, 5/16" arbor	11-L 004	\$15.35
For 3" and 4" wheels, 3/8" arbor		
With 5/16" shaft		
For 3" and 4" wheels, 3/8" arbor	11-L 005	\$15.25

Extra fast cutting in 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

## CHOPCUT™

Performance cutting with portable chop saws

These wheels have been specifically developed for use on portable abrasive chop saws. They put minimum load on the motor and are therefore easy on the operator as well as on the saw.



### CHOPCUT

General purpose TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
12"	3/32"	1"	10-Q 123	A-30-HC+	5,100	10	50	\$8.80
14"	3/32"	1"	10-Q 143	A-30-HC+	4,400	10	50	\$11.75
16"	7/64"	1"	10-Q 163	A-30-HC+	3,800	10	30	\$23.05

### CHOPCUT II

High performance TYPE 1



- ▷ Double external reinforcement
- ▷ The wheel of choice for tubing and extrusions
- ▷ Even longer life than ever before the toughest applications



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
12"	3/32"	1"	10-P 123	A-30	5,100	10	50	\$12.20
14"	3/32"	1"	10-P 143	A-30	4,400	10	50	\$15.35
16"	7/64"	1"	10-P 163	A-30	3,800	10	30	\$20.85



- ▷ Fast and free cutting in all types of aluminum and non-ferrous metals
- ▷ Unique formulation which guarantees no clogging

### CHOPCUT ALU

ALU TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
12"	3/32"	1"	10-L 123	A-30-ALU	5,100	10	50	\$19.45
14"	3/32"	1"	10-L 143	A-30-ALU	4,400	10	50	\$25.45

**NEW**



- ▷ Optimal cutting performance in titanium and brass
- ▷ Unique formulation which prevents metal from overheating

### CHOPCUT TITAN

Titanium TYPE 1



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
14"	1/8" (.125")	7/8"	10-H 143	C-30	4,400	10	50	\$21.75
16"	9/64" (.14")	7/8"	10-H 163	C-30	3,800	10	30	\$35.00

# RIPCUT™

High performance cutting with abrasive cut-off machines

These wheels are formulated for use on stationary cut-off machines to make more and faster cuts.



*For the lowest cost per cut!*

## RIPCUT

General purpose

TYPE 1



Fe-S-CI <0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
12"	1/8"	1"	10-B 123	A-24-FC	5,100	10	50	\$16.50
14"	1/8"	1"	10-B 143	A-24-FC	4,400	10	30	\$25.35
16"	5/32"	1"	10-B 163	A-24-FC	3,800	10	30	\$35.10
18"	3/16"	1"	10-B 183	A-24-FC	3,400	10	20	\$57.55
20"	3/16"	1"	10-B 203	A-24-FC	3,000	5	10	\$66.25
24"	1/4"	40 mm	10-B 246	A-24-FC	2,550	5	10	\$131.35

- ▶ 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.	Price ea.
12"	1/8"	1"	10-A 123	A-24-RIP	5,100	10	50	\$17.85
14"	1/8"	1"	10-A 143	A-24-RIP	4,400	10	30	\$27.25
16"	5/32"	1"	10-A 163	A-24-RIP	3,800	10	30	\$38.10
18"	3/16"	1"	10-A 183	A-24-RIP	3,400	10	20	\$61.90
20"	3/16"	1"	10-A 203	A-24-RIP	3,000	5	10	\$70.95
20"	3/16"	40 mm	10-A 206	A-24-RIP	3,000	5	10	\$70.95
24"	1/4"	40 mm	10-A 246	A-24-RIP	2,550	5	10	\$144.40

- ▶ 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



Fe-S-CI <0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
12"	1/8"	1"	10-C 123	A-36-SS	5,100	10	50	\$19.20
14"	1/8"	1"	10-C 143	A-36-SS	4,400	10	30	\$28.65
16"	5/32"	1"	10-C 163	A-36-SS	3,800	10	30	\$39.75
20"	3/16"	1"	10-C 203	A-36-SS	3,000	5	10	\$76.25
20"	3/16"	40 mm	10-C 206	A-36-SS	3,000	5	10	\$76.25

- ▶ 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.	Price ea.	From:	To:	Order No.	Price ea.
40 mm	1 1/2"	10-A 992	\$5.30	1"	7/8"	10-A 988	\$2.00
40 mm	1 1/4"	10-A 991	\$0.80	1"	3/4"	10-A 987	\$3.80
40 mm	1"	10-A 990	\$0.80	1"	5/8"	10-A 986	\$0.60
1"	20 mm	10-A 989	\$0.80	1"	1/2"	10-A 985	\$0.70





- ▷ 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



- ▷ New formulation of high performance abrasive grains and resin
- ▷ Longer life
- ▷ Heavily reinforced for maximum safety and smoothness

## 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 best choice.



### TYPE 1

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
12"	1/8"	20 mm STIHL	11-A 121	A-24	6,300	10	50	\$13.80
12"	1/8"	7/8" PARTNER	11-A 122	A-24	6,300	10	50	\$13.80
12"	1/8"	1"	11-A 123	A-24	6,300	10	50	\$13.80
14"	1/8"	20 mm STIHL	11-A 141	A-24	5,400	10	30	\$21.95
14"	1/8"	7/8" PARTNER	11-A 142	A-24	5,400	10	30	\$21.95
14"	1/8"	1"	11-A 143	A-24	5,400	10	30	\$21.95



### TYPE 1

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
12"	1/8"	20 mm STIHL	11-D 121	C-24	6,300	10	50	\$13.80
12"	1/8"	7/8" PARTNER	11-D 122	C-24	6,300	10	50	\$13.80
12"	1/8"	1"	11-D 123	C-24	6,300	10	50	\$13.80
14"	1/8"	20 mm STIHL	11-D 141	C-24	5,400	10	30	\$21.95
14"	1/8"	7/8" PARTNER	11-D 142	C-24	5,400	10	30	\$21.95
14"	1/8"	1"	11-D 143	C-24	5,400	10	30	\$21.95

## RAILCUT II™

Performance rail cutting with gas and electric power saws

RAILCUT II wheels are designed for the fast cutting of all types of rail, without glazing. They are heavily reinforced for maximum safety and smoothness, and Walter has worked hard to yet again improve their performance.



### TYPE 1

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
14"	5/32"	1"	11-V 143	A-24 RAIL	5,400	10	30	\$20.35
16"	5/32"	1"	11-V 163	A-24 RAIL	4,700	10	30	\$48.50

### Accessories

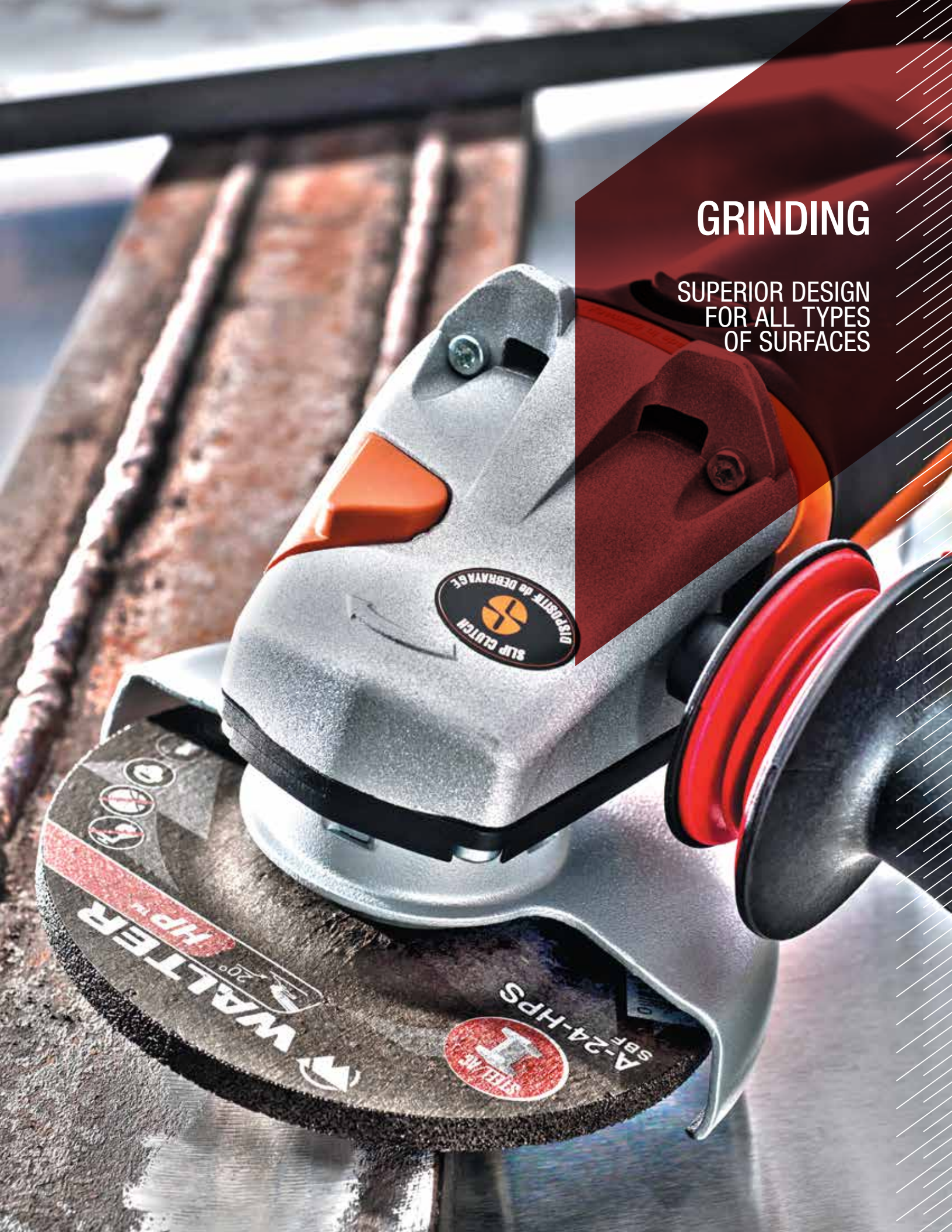
#### Reducer bushings

From	1" to 20 mm	Order No.	10-A 989	Price	\$0.80
	1" to 7/8"	Order No.	10-A 988	Price	\$2.00



# GRINDING

SUPERIOR DESIGN  
FOR ALL TYPES  
OF SURFACES



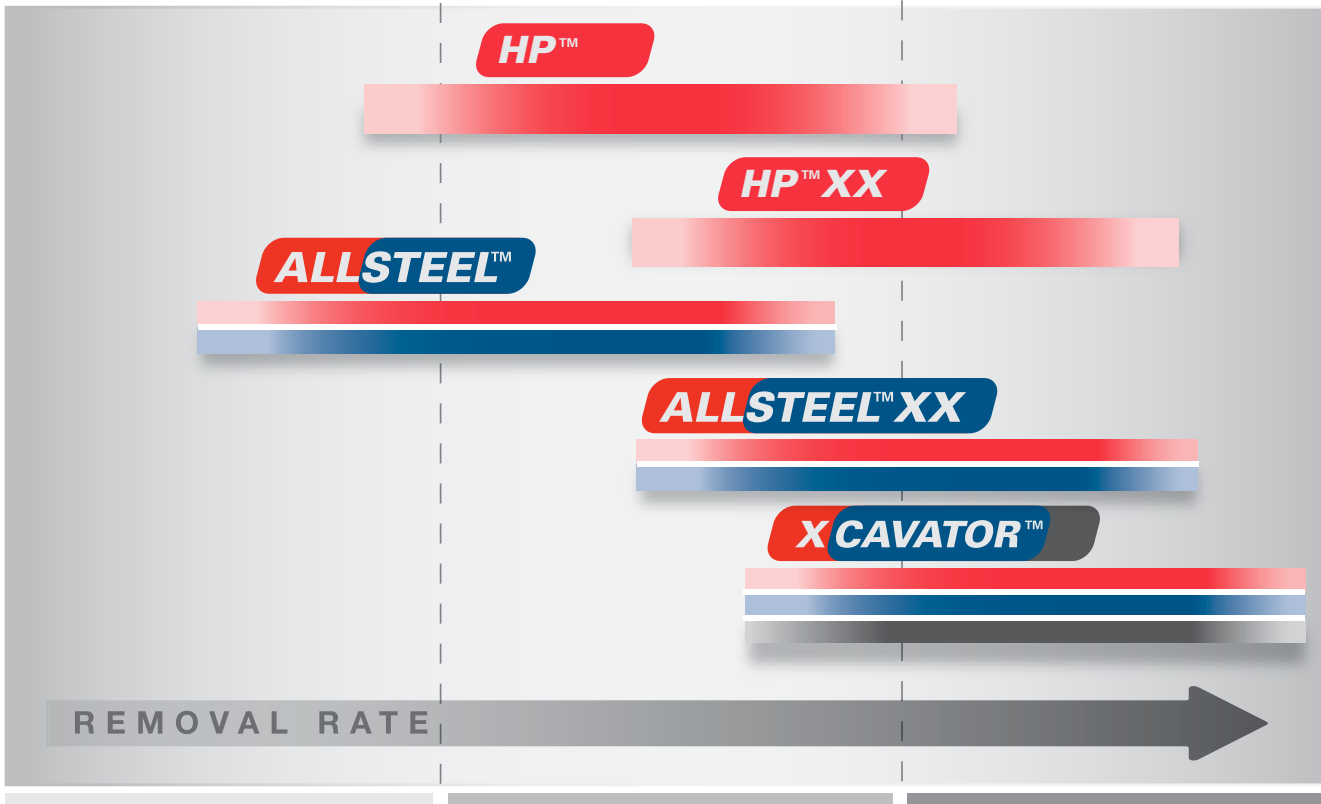
# STEEL GRINDING Family of products



Light grinding

Normal grinding

Heavy grinding



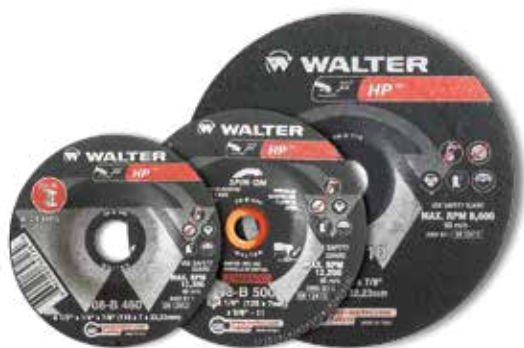
● Steel ● Stainless steel ● Hard materials

## Convenient and safe!

### Spin-On quick-change mounting

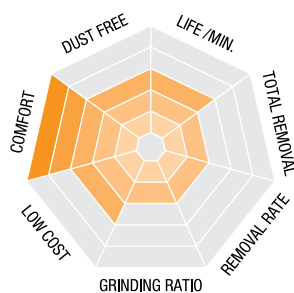
- ▶ Ultra resistant built-in threaded arbor for quick and easy disc changes while ensuring total operator safety





*Smooth grinding  
with an aggressive,  
controlled bite*

- ▷ Fast and easy changeover of wheel for minimum downtime
- ▷ Perfectly centered wheel each and every time for best performance



- ▷ High performance wheels grind off metal faster
- ▷ Extra long wheel life



## 1/4" HP™

For all day grinding with exceptional contact; hugs the grinding surface

Formulated for safety and high performance in a wide range of metal grinding operations. Made from the highest quality abrasive grain with greater hardness and wear resistance, they grind welds down fast and with less effort. Their breakthrough performance sets new standards for general purpose grinding of steel.

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



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	5/8"-11	08-B 450	A-24-HPS	13,300	20	80	\$5.35
5"	1/4"	5/8"-11	08-B 500	A-24-HPS	12,200	20	80	\$5.85
6"	1/4"	5/8"-11	08-B 630	A-24-HPS	10,200	20	80	\$7.45

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

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



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	5/8"-11	08-B 451	A-24-HPS	13,300	20	80	\$6.15
5"	1/4"	5/8"-11	08-B 501	A-24-HPS	12,200	20	80	\$6.95

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.	Price ea.
3"	1/4"	3/8"	08-B 310	A-24-HPS	20,000	25	100	\$5.25
4"	1/4"	3/8"	08-B 410	A-24-HPS	15,300	25	100	\$5.25
4"	1/4"	5/8"	08-B 400	A-24-HPS	15,300	25	100	\$5.25
4 1/2"	1/4"	7/8"	08-B 460	A-24-HPS	13,300	25	100	\$5.35
5"	1/4"	7/8"	08-B 510	A-24-HPS	12,200	25	100	\$5.85
6"	1/4"	7/8"	08-B 600	A-24-HPS	10,200	25	100	\$7.45
7"	1/4"	7/8"	08-B 710	A-24-HPS	8,600	25	50	\$8.55
9"	1/4"	7/8"	08-B 910	A-24-HPS	6,600	25	50	\$13.75

### 1/4" TYPE 28



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
7"	1/4"	7/8"	08-B 701	A-24-HPS	8,600	25	50	\$12.55
9"	1/4"	7/8"	08-B 901	A-24-HPS	6,600	25	50	\$19.75




**GET DOUBLE THE LIFE  
OF YOUR HP WHEELS  
WHEN COMBINED  
WITH NEW MINI-PLUS!  
See page 147.**



## 1/8" HP COMBO™




High performance cutting and grinding; all in one wheel

These 1/8" wheels are rapidly setting new standards of performance for 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" **SPIN-ON** TYPE 27S   

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/8"	5/8"-11	08-B 452	A-30-COMBO	13,300	25	200	\$4.80
5"	1/8"	5/8"-11	08-B 502	A-30-COMBO	12,200	25	100	\$5.35
6"	1/8"	5/8"-11	08-B 632	A-30-COMBO	10,200	25	100	\$6.95

Always use 1/8" wheels with flange 30-B 017 or 30-B 057.

1/8" TYPE 27   

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	1/8"	3/8"	08-B 312	A-24-COMBO	20,000	25	200	\$4.50
4"	1/8"	3/8"	08-B 412	A-24-COMBO	15,300	25	200	\$4.50
4"	1/8"	5/8"	08-B 402	A-24-COMBO	15,300	25	200	\$4.50
4 1/2"	1/8"	7/8"	08-B 462	A-30-COMBO	13,300	25	200	\$4.80
5"	1/8"	7/8"	08-B 512	A-30-COMBO	12,200	25	200	\$5.35
6"	1/8"	7/8"	08-B 602	A-30-COMBO	10,200	25	100	\$6.95
7"	1/8"	7/8"	08-B 712	A-30-COMBO	8,600	25	100	\$7.45
9"	1/8"	7/8"	08-B 912	A-30-COMBO	6,600	25	100	\$10.45



*Ideal for both cutting and grinding work*

- ▷ Fast and easy changeover of wheel for minimum downtime
- ▷ Perfectly centered wheel each and every time for best performance



**Patented integrated center reinforcement design for extreme toughness**

- ▷ Hold their cutting edge longer to give you a cutting life beyond compare
- ▷ Equipped with an exclusive metal hub cladding for extra strength and control

VIDEO



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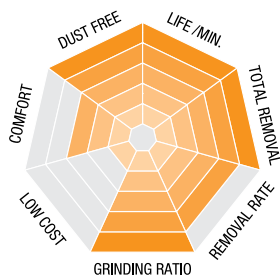
# HP XX™

## Premium performance grinding

We are committed to improving your productivity by providing you with products that perform better. HP XX grinding wheels incorporate the very latest advances in abrasive grain, bonding and manufacturing technology to substantially lower your total grinding costs. Use HP XX to achieve the highest productivity in all heavy-duty grinding applications. When all costs are considered, HP XX will be the wheel that grinds at the lowest cost.

- ▶ Ultra resistant built-in threaded arbor ensures minimum vibration for maximum operator comfort
- ▶ Minimal need for pin key

- ▶ Longest life grinding wheel
- ▶ Improved bonding technology and state-of-the-art manufacturing ensure a working life that is unsurpassed — to reach new heights in productivity



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.

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

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	5/8"-11	08-K 450	A-20-X	13,300	20	80	\$7.70
5"	1/4"	5/8"-11	08-K 500	A-20-X	12,200	20	80	\$8.75

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.	Price ea.
4"	1/4"	3/8"	08-K 410	A-20-X	15,300	25	100	\$7.10
4"	1/4"	5/8"	08-K 400	A-20-X	15,300	25	100	\$7.10
4 1/2"	1/4"	7/8"	08-K 460	A-20-X	13,300	25	100	\$7.70
5"	1/4"	7/8"	08-K 510	A-20-X	12,200	25	100	\$8.75
6"	1/4"	7/8"	08-K 600	A-16-X	10,200	25	100	\$10.95
7"	1/4"	7/8"	08-K 700	A-16-X	8,600	25	50	\$11.30
9"	1/4"	7/8"	08-K 900	A-16-X	6,600	25	50	\$17.80

### 1/4" TYPE 28

7"	1/4"	7/8"	08-K 701	A-16-X	8,600	25	50	\$15.75
9"	1/4"	7/8"	08-K 901	A-16-X	6,600	25	50	\$23.70

### Tech tip!

Type 28 grinding wheels can be used at a shallower working angle for maximum operator comfort.



GET DOUBLE THE LIFE OF YOUR HP XX WHEELS WHEN COMBINED WITH NEW PRO 5! See page 148.



## ALLSTEEL™

Our most versatile grinding (1/4" thick) and cutting (1/8" thick) wheels

These grinding wheels are designed to deliver top performance when working on both steel and stainless steel. They incorporate the latest developments in grain and bonding technology to lower your grinding costs.

### 1/8" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/8"	7/8"	08-C 452	A-30-AS	13,300	25	200	\$3.85
5"	1/8"	7/8"	08-C 502	A-30-AS	12,200	25	200	\$4.25
6"	1/8"	7/8"	08-C 602	A-30-AS	10,200	25	100	\$5.50
7"	1/8"	7/8"	08-C 702	A-30-AS	8,600	25	100	\$5.85
9"	1/8"	7/8"	08-C 902	A-30-AS	6,600	25	100	\$8.10

### 1/4" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	7/8"	08-C 450	A-24-AS	13,300	25	100	\$4.65
5"	1/4"	7/8"	08-C 500	A-24-AS	12,200	25	100	\$5.15
6"	1/4"	7/8"	08-C 600	A-24-AS	10,200	25	100	\$6.40
7"	1/4"	7/8"	08-C 700	A-24-AS	8,600	25	50	\$6.95
9"	1/4"	7/8"	08-C 900	A-24-AS	6,600	25	50	\$10.85

## ALLSTEEL XX™

Exceptional grinding with less effort

Manufactured with productivity in mind, these wheels will not only get the job done faster and last longer but are also easier to control requiring less pressure to do the same job. Grain, bond and reinforcement are of the highest quality and each wheel is perfectly balanced for superior control in the most demanding applications.

### 1/8" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/8"	7/8"	08-H 452	A-24-ASXX	13,300	25	200	\$5.95
5"	1/8"	7/8"	08-H 502	A-24-ASXX	12,200	25	200	\$6.60
6"	1/8"	7/8"	08-H 602	A-24-ASXX	10,200	25	200	\$8.35
7"	1/8"	7/8"	08-H 702	A-24-ASXX	8,600	25	100	\$9.85
9"	1/8"	7/8"	08-H 902	A-24-ASXX	6,600	25	100	\$16.00

### 1/4" TYPE 27

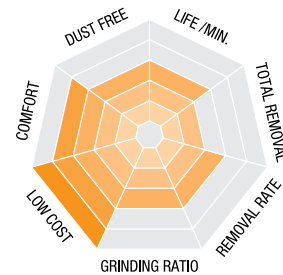


Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	7/8"	08-H 450	A-24-ASXX	13,300	25	100	\$6.35
5"	1/4"	7/8"	08-H 500	A-24-ASXX	12,200	25	100	\$7.00
6"	1/4"	7/8"	08-H 600	A-24-ASXX	10,200	25	100	\$8.80
7"	1/4"	7/8"	08-H 700	A-24-ASXX	8,600	25	50	\$10.40
9"	1/4"	7/8"	08-H 900	A-24-ASXX	6,600	25	50	\$16.00

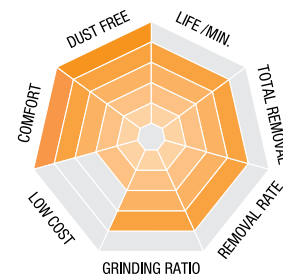


*Lets you do more work in less time—guaranteed!*

- ▷ Fastest cutting wheel in its class
- ▷ Cool and free cutting
- ▷ Resists bending and twisting for extra safety



- ▷ Outstanding life in both steel and stainless steel
- ▷ Wheels are balance-controlled within tolerances twice as strict for absolute safety








# XCAVATOR™






Ultra high removal grinding wheel

The newest and most powerful member of Walter's innovative family of high performance grinding wheels. The XCAVATOR delivers heavy-duty performance, the highest level of removal rate in steel and stainless steel and can confront some of the industry's toughest metals, from tungsten carbide to quenched and tempered steel. Feel the bite on all types of metal, with the new XCAVATOR grinding wheel.



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

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	7/8"	08-P 460	A-16-P	13,300	25	100	\$9.05
5"	1/4"	7/8"	08-P 510	A-16-P	12,200	25	100	\$10.15
6"	1/4"	7/8"	08-P 600	A-16-P	10,200	25	100	\$13.80
7"	1/4"	7/8"	08-P 700	A-16-P	8,600	25	50	\$15.45
9"	1/4"	7/8"	08-P 900	A-16-P	6,600	25	50	\$21.20

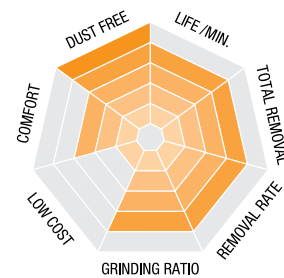
**1/4" SPIN-ON TYPE 27S**   **Fe-S-CI <0.1%**   

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	5/8"-11	08-P 450	A-16-P	13,300	20	80	\$9.05
5"	1/4"	5/8"-11	08-P 500	A-16-P	12,200	20	80	\$10.15

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

*Guarantees high removal even in the hardest of metals!*

- ▷ Ultra High Removal Rate
- ▷ 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



www.walter.com



- ▷ Fast and easy changeover of wheel for minimum downtime
- ▷ Perfectly centered wheel each and every time for best performance

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





*Made with highly refined ingredients that will not contaminate stainless steel*

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





## STAINLESS™

Superior grinding and cutting

These wheels are excellent for use on all nickel alloyed steels in tough and demanding applications. They hug the workpiece for controlled grinding and a smooth, high quality finish. They are made with highly refined ingredients that will not contaminate stainless steel.





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

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/8"	5/8"-11	08-F 452	A-30-SS	13,300	25	200	\$5.65
5"	1/8"	5/8"-11	08-F 502	A-30-SS	12,200	25	200	\$6.10





**1/8" TYPE 27**    

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/8"	7/8"	08-F 462	A-30-SS COMBO	13,300	25	200	\$5.55
5"	1/8"	7/8"	08-F 512	A-30-SS COMBO	12,200	25	200	\$6.10
6"	1/8"	7/8"	08-F 602	A-30-SS COMBO	10,200	25	100	\$7.95
7"	1/8"	7/8"	08-F 702	A-30-SS COMBO	8,600	25	100	\$8.55
9"	1/8"	7/8"	08-F 902	A-30-SS COMBO	6,600	25	100	\$14.10





Always use 1/8" wheels with flange 30-B 017.

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

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	5/8"-11	08-F 450	A-30-SS	13,300	20	80	\$6.70
5"	1/4"	5/8"-11	08-F 500	A-30-SS	12,200	20	80	\$7.45

**1/4" TYPE 27**    

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	7/8"	08-F 460	A-30-SS	13,300	25	100	\$6.75
5"	1/4"	7/8"	08-F 510	A-30-SS	12,200	25	100	\$7.45
6"	1/4"	7/8"	08-F 600	A-30-SS	10,200	25	100	\$9.50
7"	1/4"	7/8"	08-F 700	A-30-SS	8,600	25	50	\$9.95
9"	1/4"	7/8"	08-F 900	A-30-SS	6,600	25	50	\$15.45

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

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	5/8"-11	08-F 451	A-30-SS	13,300	20	80	\$7.45
5"	1/4"	5/8"-11	08-F 501	A-30-SS	12,200	20	80	\$8.30

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





**No clogging in any type of aluminum**

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

- ▷ Fast removal rate and long wheel life



- ▷ 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

## ALU™

Performance grinding and cutting on soft metals

These wheels grind all types of aluminum and non-ferrous metals smoothly and at removal rates never thought possible. The specially formulated bonding resists loading even when grinding very soft, pure aluminum. They do not contain any waxes or lubricants and do not contaminate the material worked on—ground surfaces are therefore clean and ready for welding without further clean-up.

### 1/8" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/8"	7/8"	08-L 452	A-24-ALU	13,300	25	200	\$5.85
5"	1/8"	7/8"	08-L 502	A-24-ALU	12,200	25	200	\$6.75
6"	1/8"	7/8"	08-L 602	A-24-ALU	10,200	25	100	\$9.10
7"	1/8"	7/8"	08-L 702	A-24-ALU	8,600	25	100	\$10.30
9"	1/8"	7/8"	08-L 902	A-24-ALU	6,600	25	100	\$14.65

### 1/4" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	7/8"	08-L 450	A-24-ALU	13,300	25	100	\$7.05
5"	1/4"	7/8"	08-L 500	A-24-ALU	12,200	25	100	\$7.95
6"	1/4"	7/8"	08-L 600	A-24-ALU	10,200	25	100	\$11.40
7"	1/4"	7/8"	08-L 700	A-24-ALU	8,600	25	50	\$12.05
9"	1/4"	7/8"	08-L 900	A-24-ALU	6,600	25	50	\$19.50

## CONCRETE™

High performance grinding and cutting

These wheels have multiple high strength reinforcement and a matched super tough bond for extra safety in tough grinding and cutting applications. They are made for fast material removal and smooth grinding and cutting of concrete, masonry, stone and similar building materials.

### 1/8" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/8"	7/8"	08-D 452	C-24	13,300	25	200	\$5.65
5"	1/8"	7/8"	08-D 502	C-24	12,200	25	200	\$5.95
7"	1/8"	7/8"	08-D 702	C-24	8,600	25	100	\$8.10

### 1/4" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	1/4"	7/8"	08-E 450	C-24	13,300	25	100	\$6.65
5"	1/4"	7/8"	08-E 500	C-24	12,200	25	100	\$7.35
7"	1/4"	7/8"	08-E 700	C-24	8,600	25	50	\$10.65



- ▷ 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™

Outstanding in pipeline construction

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

### 3/32" TYPE 27



Fe-S-Cl  
<0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/32"	7/8"	08-N 453	A-36 PIPE	13,300	25	200	\$5.30
5"	3/32"	7/8"	08-N 503	A-36 PIPE	12,200	25	200	\$5.75
6"	3/32"	7/8"	08-N 603	A-36 PIPE	10,200	25	100	\$7.10
7"	3/32"	7/8"	08-N 703	A-36 PIPE	8,600	25	100	\$7.85

### 1/8" TYPE 27



Fe-S-Cl  
<0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Prices ea.
4 1/2"	1/8"	7/8"	08-N 452	A-36 PIPE	13,300	25	200	\$5.30
5"	1/8"	7/8"	08-N 502	A-36 PIPE	12,200	25	200	\$5.75
6"	1/8"	7/8"	08-N 602	A-24 PIPE	10,200	25	100	\$7.10
7"	1/8"	7/8"	08-N 702	A-24 PIPE	8,600	25	100	\$8.05

### 5/32" TYPE 27



Fe-S-Cl  
<0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/32"	7/8"	08-N 454	A-36 PIPE	13,300	25	200	\$5.30
5"	5/32"	7/8"	08-N 504	A-36 PIPE	12,200	25	200	\$5.75
6"	5/32"	7/8"	08-N 604	A-20 PIPE	10,200	25	100	\$8.05
7"	5/32"	7/8"	08-N 704	A-20 PIPE	8,600	25	100	\$9.20
9"	5/32"	7/8"	08-N 904	A-20 PIPE	6,600	25	100	\$13.40

### SPIN-ON TYPE 27S



Fe-S-Cl  
<0.1%



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
5"	3/32"	5/8"-11	08-N 533	A-36-PIPE	12,200	25	200	\$5.65
6"	3/32"	5/8"-11	08-N 633	A-36-PIPE	10,200	25	100	\$6.95
6"	5/32"	5/8"-11"	08-N 634	A-20 PIPE	10,200	25	100	\$7.95

Always use with flange 30-B 017 listed on page 159.

## HP CUP WHEELS

Walter HP cup wheels are widely used for rough grinding or snagging work on concrete or steel. Supplied with deeply anchored wrap-around steel hub for maximum safety and long life.  $\frac{5}{8}$ "-11 threaded arbor for SPIN-ON mounting.

### TYPE 11



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	$\frac{5}{8}$ "-11	A-16	12-A 004	9,100	1	10	\$32.90
5"	$\frac{5}{8}$ "-11	A-16	12-A 005	7,260	1	10	\$39.75
6"	$\frac{5}{8}$ "-11	A-16	12-A 006	6,050	1	10	\$53.05



- ▶ For heavy-duty grinding with excellent wheel life

### TYPE 11



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	$\frac{5}{8}$ "-11	C-16	12-B 004	9,100	1	10	\$37.05
5"	$\frac{5}{8}$ "-11	C-16	12-B 005	7,260	1	10	\$44.00
6"	$\frac{5}{8}$ "-11	C-16	12-B 006	6,050	1	10	\$59.40

- ▶ For rough grinding on concrete, stone, non-ferrous metals and very hard cast iron
- ▶ Extremely fast cutting

## PLUGS AND CONES

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



Shape	Dia.	Length	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
▶	16	1 1/2"	2 1/2"	$\frac{3}{8}$ " - 24	ZA16	12-C 101	24,200	1 10	\$19.65
	16	1 1/2"	3"	$\frac{5}{8}$ " - 11	ZA16	12-C 111	24,200	1 10	\$19.65
	16	2"	3"	$\frac{5}{8}$ " - 11	ZA16	12-C 121	18,100	1 10	\$23.85
▶	17	1 1/2"	3"	$\frac{5}{8}$ " - 11	ZA16	12-C 401	24,200	1 10	\$20.00
	17	2"	4"	$\frac{5}{8}$ " - 11	ZA16	12-C 421	18,100	1 10	\$22.75
■	18	1"	2"	$\frac{3}{8}$ " - 24	ZA16	12-C 301	36,200	1 10	\$15.35
	18	1 1/2"	2 1/2"	$\frac{3}{8}$ " - 24	ZA20	12-C 302	24,200	1 10	\$16.25
	18	1 1/2"	3"	$\frac{5}{8}$ " - 11	ZA16	12-C 311	24,200	1 10	\$17.50
	18	2"	3"	$\frac{5}{8}$ " - 11	ZA16	12-C 321	18,100	1 10	\$18.30
■	18R	1 1/2"	3"	$\frac{5}{8}$ " - 11	ZA16	12-C 201	24,200	1 10	\$19.90
	18R	1 1/2"	2 1/2"	$\frac{3}{8}$ " - 24	ZA20	12-C 202	24,200	1 10	\$21.70
	18R	2"	3"	$\frac{5}{8}$ " - 11	ZA16	12-C 211	18,100	1 10	\$23.85
	18R	3"	4"	$\frac{5}{8}$ " - 11	ZA16	12-C 221	12,100	1 10	\$44.50



- ▶ 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.
- ▷ Faster removal AND longer lasting



## MOUNTED POINTS

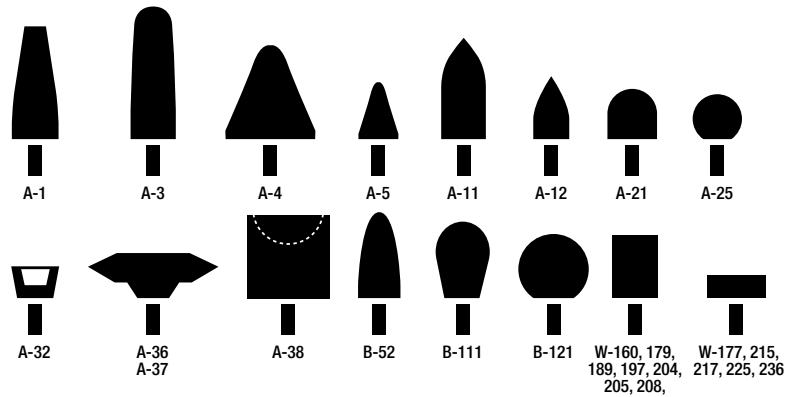
The perfect tool for fitting, shaping and enlarging

These mounted points are ideal for finishing work in confined spaces. This versatile line of mounted points is made from the finest grade of abrasive grains and is perfectly balanced to avoid 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.	Length	Shaft	Order No.	Grit	Max RPM*	Std Pkg.	Std. Ctn.	Price ea.
A-1	3/4"	2 1/2"	1/4"	12-D 002	A36	19,800	1	10	\$10.75
A-3	1"	2 3/4"	1/4"	12-D 012	A36	16,100	1	10	\$10.75
A-4	1 1/4"	1 1/4"	1/4"	12-D 017	A36	30,500	1	10	\$4.95
A-5	3/4"	1 1/8"	1/4"	12-D 022	A36	45,000	1	10	\$7.10
A-11	7/8"	2"	1/4"	12-D 032	A36	19,800	1	10	\$9.40
A-12	1 1/16"	1 1/4"	1/4"	12-D 037	A36	48,000	1	10	\$7.70
A-21	1"	1"	1/4"	12-D 057	A36	34,500	1	10	\$6.70
A-25	1"	1"	1/4"	12-D 077	A36	35,600	1	10	\$7.70
A-32	1"	5/8"	1/4"	12-D 092	A36	38,200	1	10	\$5.80
A-36	1 5/8"	3/8"	1/4"	12-D 102	A36	23,500	1	10	\$5.80
A-37	1 1/4"	1/4"	1/4"	12-D 117	A36	30,560	1	10	\$5.80
A-38	1"	1"	1/4"	12-D 122	A36	34,500	1	10	\$5.80
B-52	3/8"	3/4"	1/8"	12-D 232	A36	45,370	1	10	\$5.80
B-52	3/8"	3/4"	1/4"	12-D 242	A36	45,370	1	10	\$5.80
B-121	1/2"	1 1/2"	1/8"	12-D 272	A36	45,370	1	10	\$5.30
W-160	1/4"	1/4"	1/8"	12-D 562	A36	81,370	1	10	\$5.30
W-177	3/8"	3/4"	1/8"	12-D 572	A36	33,750	1	10	\$5.20
W-179	3/8"	1 1/4"	1/4"	12-D 592	A36	45,750	1	10	\$5.20
W-189	1/2"	2"	1/4"	12-D 652	A36	24,000	1	10	\$5.30
W-197	5/8"	2"	1/4"	12-D 677	A36	21,000	1	10	\$4.55
W-204	3/4"	3/4"	1/4"	12-D 712	A36	42,750	1	10	\$4.70
W-205	3/4"	1"	1/4"	12-D 722	A36	34,500	1	10	\$4.70
W-208	3/4"	2"	1/4"	12-D 732	A36	18,750	1	10	\$5.05
W-215	1"	1/8"	1/8"	12-D 752	A36	38,200	1	10	\$4.55
W-217	1"	3/8"	1/4"	12-D 782	A36	38,200	1	10	\$4.35
W-220	1"	1"	1/4"	12-D 797	A36	25,500	1	10	\$4.35
W-222	1"	2"	1/4"	12-D 807	A36	15,900	1	10	\$6.90
W-225	1 1/4"	1/4"	1/4"	12-D 822	A36	30,560	1	10	\$6.90
W-236	1 1/2"	1/2"	1/4"	12-D 842	A36	25,470	1	10	\$7.00

## Orange



Type	Dia.	Length	Shaft	Order No.	Grit	Max RPM*	Std Pkg.	Std. Ctn.	Price ea.
A-1	3/4"	2 1/2"	1/4"	12-D 001	A60	19,800	1	10	\$10.75
A-3	1"	2 3/4"	1/4"	12-D 011	A60	16,100	1	10	\$10.75
A-4	1 1/4"	1 1/4"	1/4"	12-D 016	A60	30,500	1	10	\$4.95
A-5	3/4"	1 1/8"	1/4"	12-D 021	A60	45,000	1	10	\$7.10
A-11	7/8"	2"	1/4"	12-D 031	A60	19,800	1	10	\$9.40
A-12	1 1/16"	1 1/4"	1/4"	12-D 036	A60	48,000	1	10	\$7.70
A-21	1"	1"	1/4"	12-D 056	A60	34,500	1	10	\$6.70
A-25	1"	1"	1/4"	12-D 076	A60	35,600	1	10	\$7.70
A-32	1"	5/8"	1/4"	12-D 091	A60	38,200	1	10	\$5.80
A-36	1 5/8"	3/8"	1/4"	12-D 101	A60	23,500	1	10	\$5.80
A-37	1 1/4"	1/4"	1/4"	12-D 116	A60	30,560	1	10	\$5.80
A-38	1"	1"	1/4"	12-D 121	A60	34,500	1	10	\$5.80
B-52	3/8"	3/4"	1/8"	12-D 231	A60	45,370	1	10	\$5.80
B-52	3/8"	3/4"	1/4"	12-D 241	A60	45,370	1	10	\$5.80
B-111	7/16"	1 1/16"	1/8"	12-D 261	A60	33,750	1	10	\$5.30
B-121	1/2"	1/2"	1/8"	12-D 271	A60	45,370	1	10	\$5.30
W-160	1/4"	1/4"	1/8"	12-D 561	A60	81,370	1	10	\$5.30
W-177	3/8"	3/4"	1/8"	12-D 571	A60	33,750	1	10	\$5.20
W-179	3/8"	1 1/4"	1/4"	12-D 591	A60	45,750	1	10	\$5.20
W-189	1/2"	2"	1/4"	12-D 651	A60	24,000	1	10	\$5.30
W-197	5/8"	2"	1/4"	12-D 676	A60	21,000	1	10	\$4.55
W-204	3/4"	3/4"	1/4"	12-D 711	A60	42,750	1	10	\$4.70
W-205	3/4"	1"	1/4"	12-D 721	A60	34,500	1	10	\$4.70
W-208	3/4"	2"	1/4"	12-D 731	A60	18,750	1	10	\$5.05
W-215	1"	1/8"	1/8"	12-D 751	A60	38,200	1	10	\$4.55
W-217	1"	3/8"	1/4"	12-D 781	A60	38,200	1	10	\$4.35
W-220	1"	1"	1/4"	12-D 796	A60	25,500	1	10	\$4.35
W-222	1"	2"	1/4"	12-D 806	A60	15,900	1	10	\$6.90
W-225	1 1/4"	1/4"	1/4"	12-D 821	A60	30,560	1	10	\$6.90
W-236	1 1/4"	1/2"	1/4"	12-D 841	A60	25,470	1	10	\$7.00



## Accessories

## Dressing stones

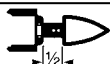
Dimensions	Order No.	Std Pkg.	Std Ctn.	Price each
1" x 1" x 6"	12-D 900	1	10	\$8.00
1" x 1" x 8"	12-D 901	1	10	\$9.80

## Resin bond



Type	Dia.	Length	Shaft	Order No.	Grit	Max RPM*	Std Pkg.	Std. Ctn.	Price ea.
A-1	3/4"	2 1/2"	1/4"	12-D 003	A36	19,800	1	10	\$10.75
A-3	1"	2 3/4"	1/4"	12-D 013	A36	16,100	1	10	\$11.65
A-4	1 1/4"	1 1/4"	1/4"	12-D 018	A36	30,500	1	10	\$5.95
A-5	3/4"	1 1/8"	1/4"	12-D 023	A36	45,000	1	10	\$7.70
A-11	7/8"	2"	1/4"	12-D 033	A36	19,800	1	10	\$10.60
A-12	1 1/16"	1 1/4"	1/4"	12-D 038	A36	48,000	1	10	\$8.50
A-21	1"	1"	1/4"	12-D 058	A36	34,500	1	10	\$7.40
A-25	1"	1"	1/4"	12-D 078	A36	35,600	1	10	\$8.35
A-37	1 1/4"	1/4"	1/4"	12-D 118	A36	30,560	1	10	\$5.80
A-38	1"	1"	1/4"	12-D 123	A36	34,500	1	10	\$5.80
B-52	3/8"	3/4"	1/4"	12-D 243	A36	45,370	1	10	\$5.80
B-121	1/2"	1/2"	1/8"	12-D 273	A36	45,370	1	10	\$5.30
W-160	1/4"	1/4"	1/8"	12-D 563	A36	81,370	1	10	\$5.30
W-179	3/8"	1 1/4"	1/4"	12-D 593	A36	45,750	1	10	\$5.80
W-189	1/2"	2"	1/4"	12-D 653	A36	24,000	1	10	\$5.30
W-197	5/8"	2"	1/4"	12-D 678	A36	21,000	1	10	\$4.55
W-204	3/4"	3/4"	1/4"	12-D 713	A36	42,750	1	10	\$4.70
W-205	3/4"	1"	1/4"	12-D 723	A36	34,500	1	10	\$5.20
W-208	3/4"	2"	1/4"	12-D 733	A36	18,750	1	10	\$5.05
W-217	1"	3/8"	1/4"	12-D 783	A36	38,200	1	10	\$4.75
W-220	1"	1"	1/4"	12-D 798	A36	25,500	1	10	\$4.70
W-222	1"	2"	1/4"	12-D 808	A36	15,900	1	10	\$6.90
W-236	1 1/2"	1/2"	1/4"	12-D 843	A36	25,470	1	10	\$7.00

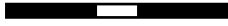
\*Max. RPM listed are for 1/2" free shaft.



# BENCH GRINDING WHEELS

- ▷ For general purpose grinding work 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

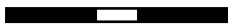
## TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price
6"	3/4"	1"	12-E 324	36 coarse	4,100	1	1	\$32.70
6"	3/4"	1"	12-E 325	46 medium	4,100	1	1	\$32.70
6"	3/4"	1"	12-E 328	80 fine	4,100	1	1	\$32.70
6"	1"	1"	12-E 344	36 coarse	4,100	1	1	\$38.55
6"	1"	1"	12-E 345	46 medium	4,100	1	1	\$38.55
6"	1"	1"	12-E 348	80 fine	4,100	1	1	\$38.55
7"	1"	1"	12-E 444	36 coarse	3,600	1	1	\$48.20
7"	1"	1"	12-E 447	60 fine	3,600	1	1	\$48.20
7"	1 1/4"	1"	12-E 454	36 coarse	3,600	1	1	\$55.65
7"	1 1/4"	1"	12-E 457	60 fine	3,600	1	1	\$55.65
8"	7/8"	1"	12-E 533	24 coarse	3,600	1	1	\$56.75
8"	7/8"	1"	12-E 537	60 fine	3,600	1	1	\$56.75
8"	1"	1"	12-E 543	24 coarse	3,600	1	1	\$57.90
8"	1"	1"	12-E 545	46 medium	3,600	1	1	\$57.90
8"	1"	1"	12-E 547	60 fine	3,600	1	1	\$57.90
8"	1 1/4"	1"	12-E 553	24 coarse	3,600	1	1	\$69.60
8"	1 1/4"	1"	12-E 557	60 fine	3,600	1	1	\$71.75
10"	1"	1"	12-E 643	24 coarse	2,500	1	1	\$84.60
10"	1"	1"	12-E 647	60 fine	2,500	1	1	\$84.60
10"	1 1/4"	1"	12-E 653	24 coarse	2,500	1	1	\$98.55
10"	1 1/4"	1"	12-E 657	60 fine	2,500	1	1	\$98.55



## TYPE 1



Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price
6"	3/4"	1"	12-E 329	80 fine	4,100	1	1	\$40.45
7"	1"	1"	12-E 449	80 fine	3,600	1	1	\$62.10
7"	1 1/4"	1"	12-E 459	80 fine	3,600	1	1	\$68.50
8"	7/8"	1"	12-E 539	80 fine	3,600	1	1	\$71.75
8"	1"	1"	12-E 549	80 fine	3,600	1	1	\$78.15
8"	1 1/4"	1"	12-E 559	80 fine	3,600	1	1	\$87.80
10"	1"	1"	12-E 649	80 fine	2,500	1	1	\$113.55

### Accessories

#### Reducer bushings

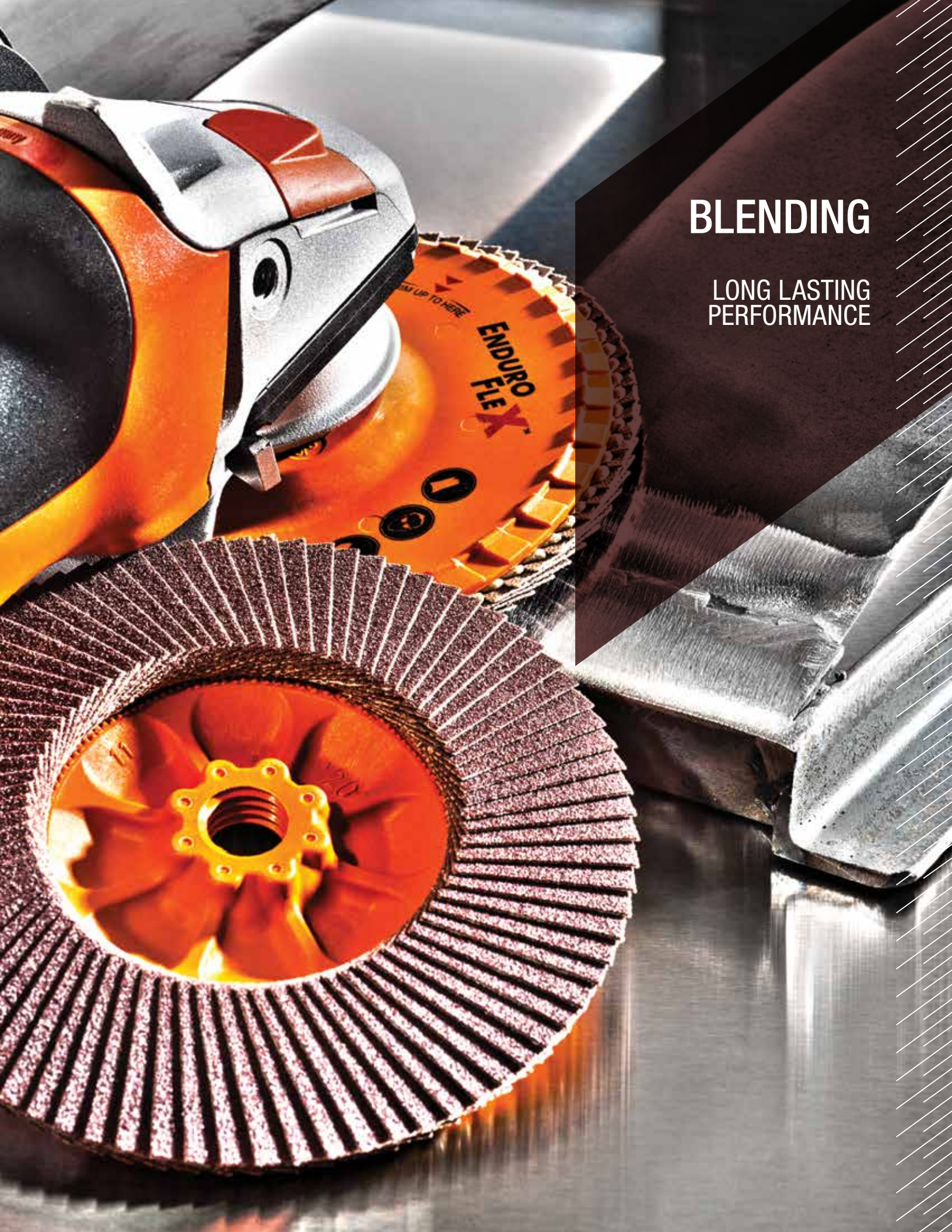
	Order No.	Price
Set 3/4" wide, from 1" to 3/4", 5/8" and 1/2"	12-E 006	\$3.20
Set 1" wide, from 1" to 3/4", 5/8" and 1/2"	12-E 007	\$3.20
Pair of bushings from 1" to 7/8"	12-E 008	\$3.50

#### Wheel dressers

	Order No.	Price
Standard type	12-E 001	\$56.20
Heavy-duty	12-E 002	\$80.55

#### Replacement wheels

	Order No.	Price
Set for 12-E 001	12-E 004	\$6.00
Set for 12-E 002	12-E 005	\$13.70



# BLENDING

LONG LASTING  
PERFORMANCE

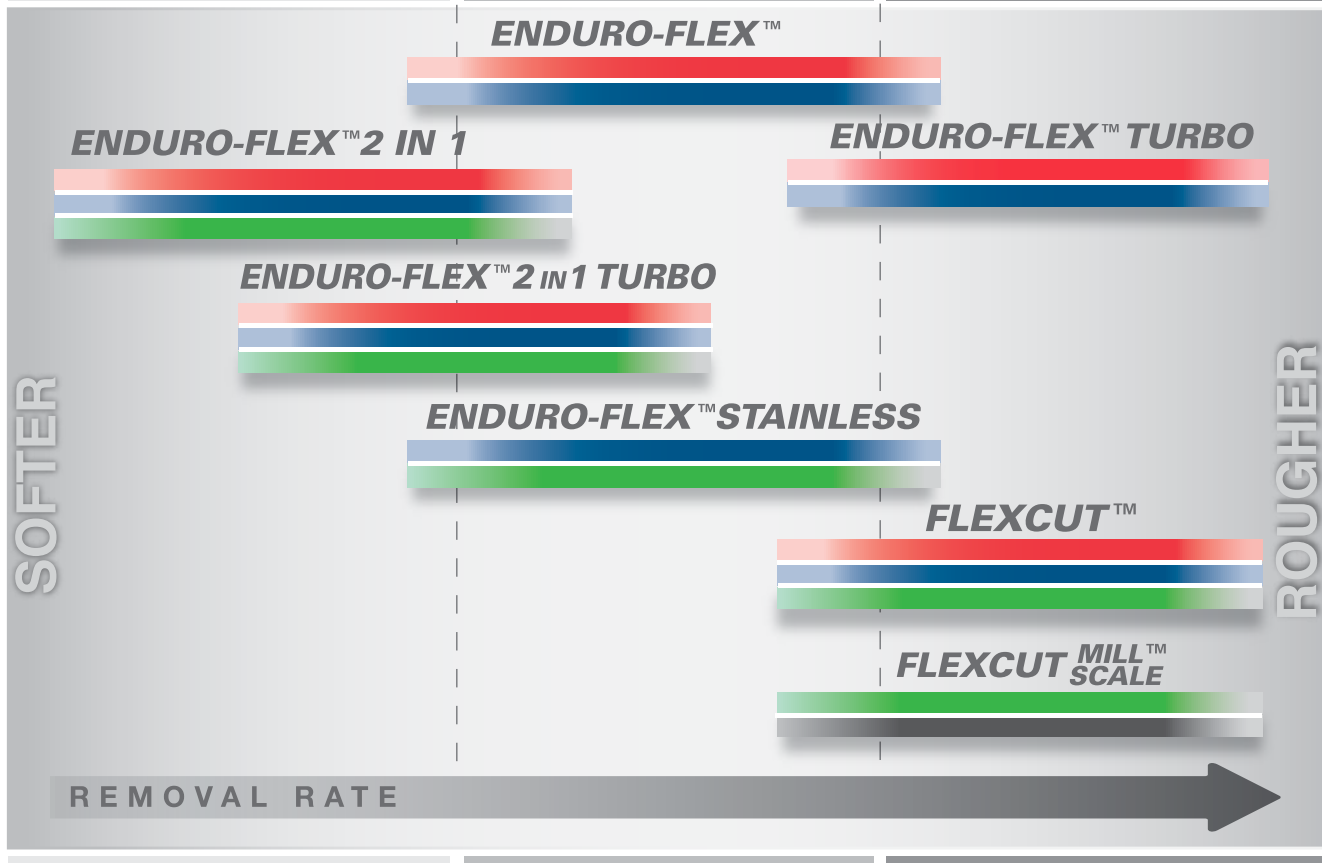
# BLENDING Wheel selection chart



Light blending

Normal blending

Heavy blending



Take down welds and finish surfaces in one step; ENDURO-FLEX helps you cut time and costs. If the flap overhang is worn down to the backing, simply trim down the ECO-TRIM backing and your discs top performance is restored.

**Be innovative. Be efficient. Reduce your waste stream. Choose ENDURO-FLEX and ENDURO-FLEX Stainless with ECO-TRIM backing!**



New disc



After 35 min.\*



After 100 min.\*

\* Based on average material removal in steel.



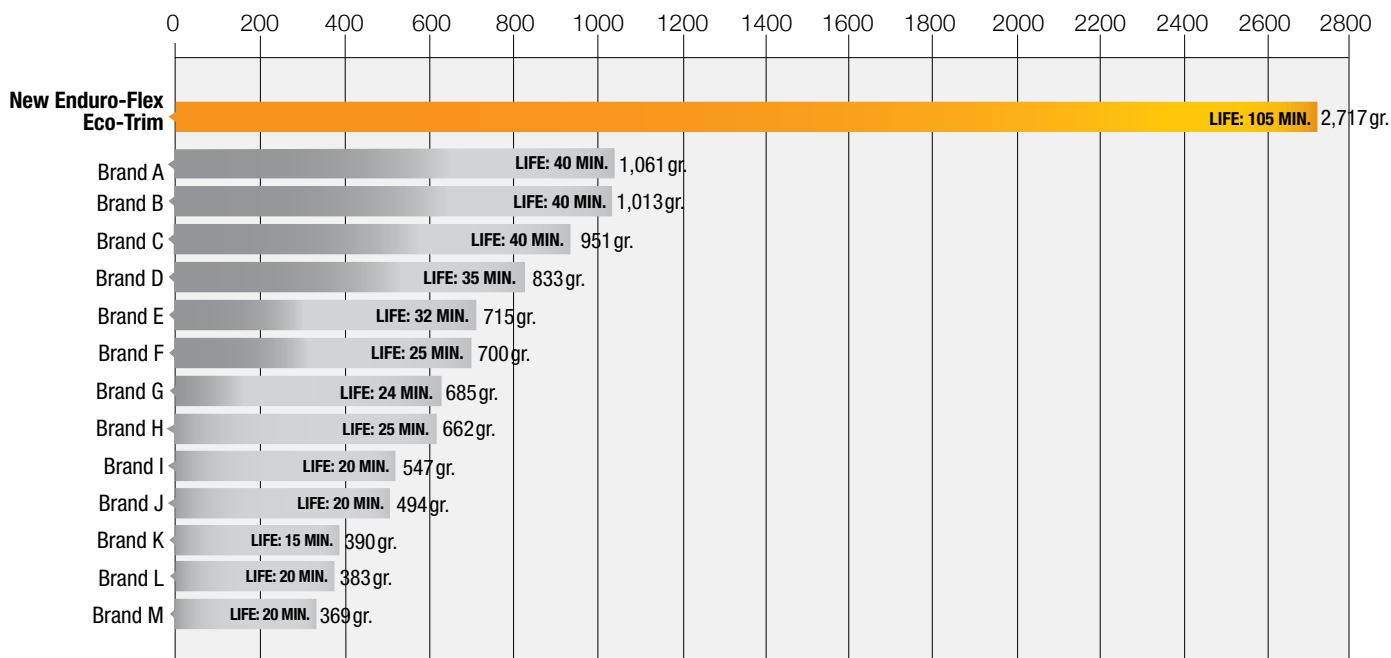
**THE LONGEST  
LASTING  
FLAP DISCS  
ON THE MARKET**



**ENDURO-FLEX**

COMPARISON TEST BETWEEN 5" FLAP DISCS, GRIT 40

**Total quantity of grams removed on steel**





# ENDURO-FLEX™

The longest life flap disc on the market

Our one-step finishing disc not only meets but surpasses the daily challenges presented by the metal fabricating and finishing industry. In comparison tests, ENDURO-FLEX outperforms the competition setting the standard with regard to total life and removal. If the flap overhang is worn down to the backing, simply trim down the ECO-TRIM backing and your discs' top performance is restored.

*The longest life flap disc on the market!*



- ▶ *Eco-Trim backing: easier to trim and environmentally friendly*
- ▶ *Remove welds and finish surfaces in one step*
- ▶ *Safer and cleaner trimming*
- ▶ *Quiet and vibration-free grinding*
- ▶ *Lightweight*

**INCREASE YOUR REMOVAL RATE BY A MINIMUM OF 25% BY COMBINING YOUR ENDURO-FLEX TURBO WITH THE NEW PRO 5 OR BIG 6!**  
See page 148.

VIDEO



www.walter.com



**New**  
**New**  
**New**  
**New**

**Accessory**

**ENDURO-FLEX trimming tool**

**Order No. 06-B 901 - \$10.50**



**SPIN-ON TYPE 27S**



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	40	06-B 454	13,300	10	40	\$14.00
4 1/2"	5/8"-11	60	06-B 456	13,300	10	40	\$14.00
4 1/2"	5/8"-11	80	06-B 458	13,300	10	40	\$14.00
4 1/2"	5/8"-11	120	06-B 462	13,300	10	40	\$14.00
5"	5/8"-11	40	06-B 504	12,200	10	40	\$16.40
5"	5/8"-11	60	06-B 506	12,200	10	40	\$16.40
5"	5/8"-11	80	06-B 508	12,200	10	40	\$16.40
5"	5/8"-11	120	06-B 512	12,200	10	40	\$16.40
6"	5/8"-11	40	06-B 604	10,200	10	40	\$20.20
6"	5/8"-11	60	06-B 606	10,200	10	40	\$20.30
6"	5/8"-11	80	06-B 608	10,200	10	40	\$20.30
6"	5/8"-11	120	06-B 612	10,200	10	40	\$20.30

Always use with flange 30-B 017.

**TYPE 27**



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	40	15-R 454	13,300	10	40	\$14.55
4 1/2"	7/8"	60	15-R 456	13,300	10	40	\$14.55
4 1/2"	7/8"	80	15-R 458	13,300	10	40	\$14.55
4 1/2"	7/8"	120	15-R 462	13,300	10	40	\$14.55
5"	7/8"	40	15-R 504	12,200	10	40	\$17.05
5"	7/8"	60	15-R 506	12,200	10	40	\$17.05
5"	7/8"	80	15-R 508	12,200	10	40	\$17.05
5"	7/8"	120	15-R 512	12,200	10	40	\$17.05
6"	7/8"	40	15-R 604	10,200	10	40	\$20.20
6"	7/8"	60	15-R 606	10,200	10	40	\$20.30
6"	7/8"	80	15-R 608	10,200	10	40	\$20.30
6"	7/8"	120	15-R 612	10,200	10	40	\$20.30
7"	7/8"	40	15-R 704	8,600	10	40	\$29.25
7"	7/8"	60	15-R 706	8,600	10	40	\$29.25
7"	7/8"	80	15-R 708	8,600	10	40	\$29.25
7"	7/8"	120	15-R 712	8,600	10	40	\$29.25

Always use with flange 30-B 017.

# ENDURO-FLEX™ STAINLESS

Consistent finish without any discoloration

Whether you work on stainless steel, aluminum or any other alloy, the ENDURO-FLEX Stainless flap disc will replace grinding wheels and sanding discs and provide exceptional cost savings, higher productivity and more consistent surface finish.

*Consistent finish without any discoloration*



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	40	06-F 454	13,300	10	40	\$15.15
4 1/2"	5/8"-11	60	06-F 456	13,300	10	40	\$15.15
4 1/2"	5/8"-11	80	06-F 458	13,300	10	40	\$15.15
4 1/2"	5/8"-11	120	06-F 462	13,300	10	40	\$15.15
5"	5/8"-11	40	06-F 504	12,200	10	40	\$17.85
5"	5/8"-11	60	06-F 506	12,200	10	40	\$17.85
5"	5/8"-11	80	06-F 508	12,200	10	40	\$17.85
5"	5/8"-11	120	06-F 512	12,200	10	40	\$17.85
6"	5/8"-11	40	06-F 604	10,200	10	40	\$22.55
6"	5/8"-11	60	06-F 606	10,200	10	40	\$22.55
6"	5/8"-11	80	06-F 608	10,200	10	40	\$22.55
6"	5/8"-11	120	06-F 612	10,200	10	40	\$22.55

Always use with flange 30-B 017.



Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	40	15-Q 454	13,300	10	40	\$15.80
4 1/2"	7/8"	60	15-Q 456	13,300	10	40	\$15.80
4 1/2"	7/8"	80	15-Q 458	13,300	10	40	\$15.80
4 1/2"	7/8"	120	15-Q 462	13,300	10	40	\$15.80
5"	7/8"	40	15-Q 504	12,200	10	40	\$18.55
5"	7/8"	60	15-Q 506	12,200	10	40	\$18.55
5"	7/8"	80	15-Q 508	12,200	10	40	\$18.55
5"	7/8"	120	15-Q 512	12,200	10	40	\$18.55
7"	7/8"	40	15-Q 704	8,600	10	40	\$33.20
7"	7/8"	60	15-Q 706	8,600	10	40	\$33.20
7"	7/8"	80	15-Q 708	8,600	10	40	\$32.20
7"	7/8"	120	15-Q 712	8,600	10	40	\$32.20

Always use with flange 30-B 017.

- ▷ Environmentally friendly
- ▷ Superior performance on all heat sensitive metals
- ▷ Will not load or glaze; will outperform any other flap disc on aluminum
- ▷ The coolest cutting action on stainless
- ▷ The fastest cutting rate on aluminum



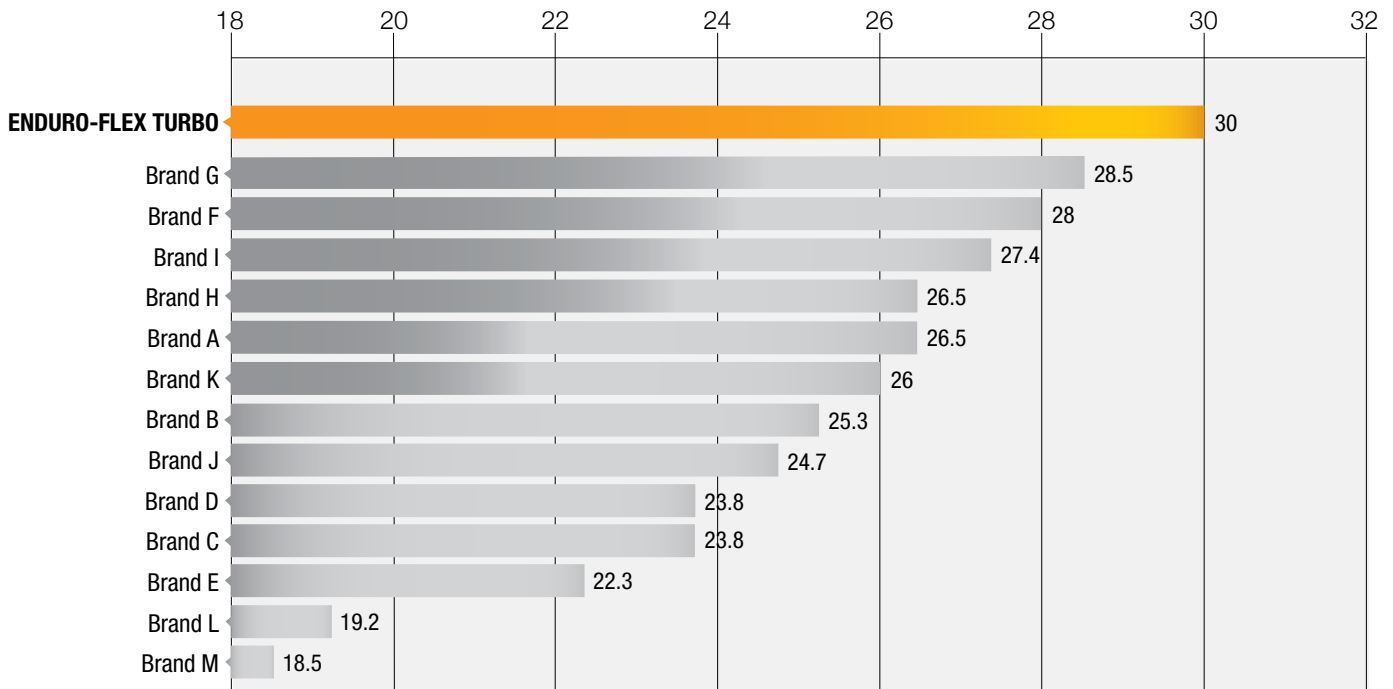
# THE FASTEST FLAP DISCS ON THE MARKET



## ENDURO-FLEX TURBO

Comparison test between 5" flap discs

Removal rate on steel (gr./min.)



# ENDURO-FLEX TURBO™

The fastest cutting flap disc on the market

What does ENDURO-FLEX Turbo provide? The fastest weld removal and edge breaking in the industry!

ENDURO-FLEX Turbo demonstrates extremely fast cutting through a unique mixture of high content self-sharpening grains. Its built-in Cyclone Technology as well as a newly designed flap configuration allows it to perform with a cutting rate of a grit 36 with a finish of a grit 60.

**The only question remains, can you afford not to try ENDURO-FLEX Turbo?**



- ▷ Cyclone™ Technology
- ▷ Exclusive flap configuration for ultra fast cutting
- ▷ 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 NEW PRO 5 OR BIG 6!**  
See page 148.



VIDEO



www.walter.com

**Highest removal rate of the industry up to 50 g/min (7")**

## SPIN-ON TYPE 27S

Dia.	Arbor	Grade	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	36/60	06-A 452	13,300	10	40	\$11.80
5"	5/8"-11	36/60	06-A 502	12,000	10	40	\$13.85
6"	5/8"-11	36/60	06-A 602	10,200	10	40	\$18.60

Always use with flange 30-B 017.

## TYPE 27

Dia.	Arbor	Grade	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
<b>New</b> 4 1/2"	7/8"	36/60	06-A 462	13,300	10	40	\$11.80
<b>New</b> 5"	7/8"	36/60	06-A 512	12,200	10	40	\$13.85
7"	7/8"	36/60	06-A 712	8,600	10	40	\$22.00

Always use with flange 30-B 017.





## ENDURO-FLEX 2-IN-1™ FINISHING DISC

One-step finishing

ENDURO-FLEX 2-in-1 flap discs will remove TIG welds and finish the surface in just one step, substantially reducing your finishing costs. Changing from a sanding disc to a non-woven disc will be a thing of the past for weld blending and surface finishing.

Long lasting

Developed to blend light TIG welds, breaking edges, blending and removing 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.

VIDEO



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Dia.	Arbor	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	15-1 453	13,300	4,000 to 6,000	10	40	\$16.80
5"	5/8"-11	15-1 503	12,200	4,000 to 6,000	10	40	\$19.95



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

The most versatile and fastest finishing disc on the market

Achieving that ideal finish has never been easier. With the new Enduro-Flex™ 2-in-1 TURBO, remove material faster and get the finish you want in less steps. Designed for steel, stainless steel and aluminum, the Enduro-Flex™ 2-in-1 TURBO provides unmatched versatility. The flap disc is available in both 4-1/2" and 5". Incorporating Walter's Cyclone™ Technology and high-tech Blendex™ Technology, the result is a smooth finish and product life that is simply unsurpassed.

**NEW**

- Sanding flaps
- ▷ Special low heat generating top coat
  - ▷ Non-loading
  - ▷ High removal rate



BLENDEX flaps

- ▷ Allows operators to achieve a food grade finish
- ▷ Non-woven material, will not smear or contaminate the workpiece
- ▷ Tear resistant for longest life

VIDEO



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Dia.	Arbor	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	15-1 451	13,300	4,000 to 6,000	10	40	\$16.80
5"	5/8"-11	15-1 501	12,200	4,000 to 6,000	10	40	\$19.95

Always use with flange 30-B 017.






# FLEXCUT™

Premium performance flexible grinding wheel






FLEXCUT, the leading flexible grinding wheel for over 25 years, is specially formulated to deliver superior performance on all ferrous and non-ferrous metals.



*Blends in perfectly on uneven surfaces and will never clog on aluminum*

**TYPE 29**   **Fe-S-CI <0.1%**   

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	5/8"	A-36-X-FLEX	15-L 303*	20,400	25	200	\$6.85
3"	5/8"	A-60-X-FLEX	15-L 306*	20,400	25	200	\$6.85






**SPIN-ON TYPE 29S**   **Fe-S-CI <0.1%**   

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	A-36-X-FLEX	15-L 453	13,300	25	200	\$8.15
4 1/2"	5/8"-11	A-60-X-FLEX	15-L 456	13,300	25	200	\$8.15
4 1/2"	5/8"-11	A-100-X-FLEX	15-L 460	13,300	25	200	\$8.15
5"	5/8"-11	A-36-X-FLEX	15-L 503	12,200	25	200	\$8.75
5"	5/8"-11	A-60-X-FLEX	15-L 506	12,200	25	200	\$8.75
5"	5/8"-11	A-100-X-FLEX	15-L 510	12,200	25	200	\$8.75
6"	5/8"-11	A-24-X-FLEX	15-L 602	10,200	25	200	\$11.25
6"	5/8"-11	A-36-X-FLEX	15-L 603	10,200	25	200	\$11.25
6"	5/8"-11	A-60-X-FLEX	15-L 606	10,200	25	200	\$11.25








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)

**TYPE 29**   **Fe-S-CI <0.1%**   

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
7"	7/8"	A-24-X-FLEX	15-L 702	8,600	25	100	\$11.70
7"	7/8"	A-36-X-FLEX	15-L 703	8,600	25	100	\$11.70
7"	7/8"	A-60-X-FLEX	15-L 706	8,600	25	100	\$11.70
7"	7/8"	A-100-X-FLEX	15-L 710	8,600	25	100	\$11.70

**TYPE 29**   **Fe-S-CI <0.1%**   

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	A-36-X-FLEX	15-L 463	13,300	25200		\$8.15
5"	7/8"	A-36-X-FLEX	15-L 513	12,200	25200		\$8.75
5"	7/8"	A-60-X-FLEX	15-L 516	12,200	25200		\$8.75

\*Use with 1/4" mandrel 11-L 007.  
Always use SPIN-ON wheels with flange 30-B 017.

**VIDEO**



www.walter.com

# FLEXCUT MILL SCALE™

Premium performance flexible grinding wheel for mill scale

The days of having to deal with removing mill scale are now over with FLEXCUT MILL SCALE. No more glazing or clogging, just hassle-free removal of mill scale, leaving a clean and even surface.

The thin layer of iron oxide covering the surface of hot rolled steel plates, sheets or profiles is known in the industry as mill scale. It is difficult to remove as most abrasives will become glazed. The fine dust created from grinding cakes on between the abrasive grains and clogs the wheel.

With Walter's unique blend of highly refined, friable abrasives paired with its one-of-a-kind open diamond cut pattern, FLEXCUT MILL SCALE will grind off mill scale rapidly and will self-dress to avoid clogging.



**SPIN-ON TYPE 29S**

Fe-S-Cl <0.1% Mill Scale Al. + n.t. metals

Dia.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	15-L 843	A-36-FLEX	13,300	25	200	\$8.05
5"	5/8"-11	15-L 853	A-36-FLEX	12,200	25	200	\$8.75
6"	5/8"-11	15-L 863	A-36-FLEX	10,200	25	100	\$11.15

\*Always use SPIN-ON wheels with flange 30-B 017.

**TYPE 29**

Fe-S-Cl <0.1% Mill Scale Al. + n.t. metals

Dia.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
7"	7/8"	15-L 873	A-36-FLEX	8,600	25	100	\$11.70

- ▷ Unique blend of highly refined abrasives allows ultra quick cutting action without glazing or clogging
- ▷ Open diamond cut pattern discourages 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

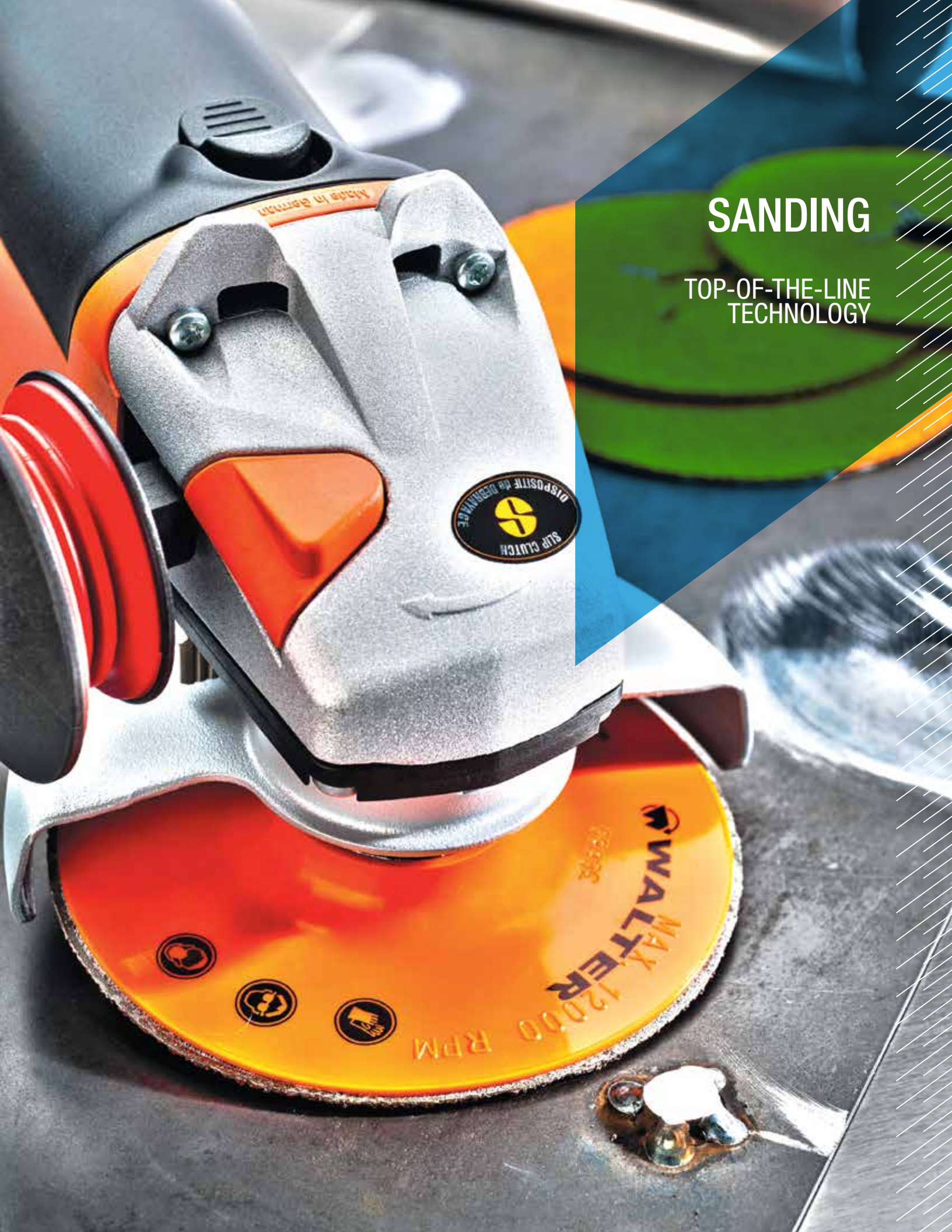
VIDEO



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# SANDING

TOP-OF-THE-LINE  
TECHNOLOGY

Made in Germany

DISPOSITIF DE DEBRAYAGE  
SLIP CLUTCH

WALTER  
MAX 12000 RPM

## SANDING Wheel selection chart



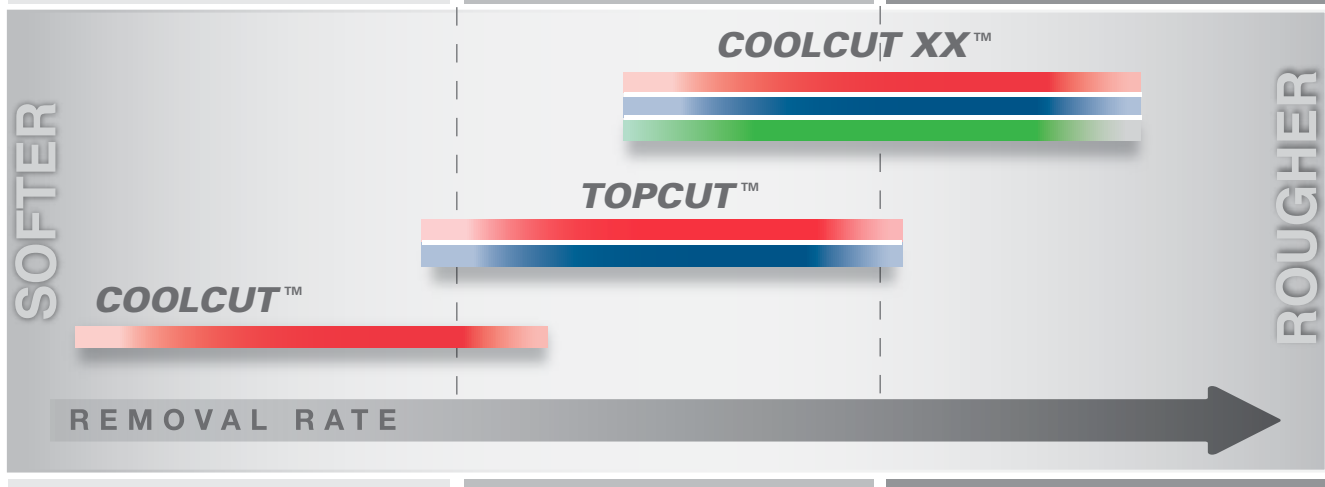
Light sanding



Normal sanding



Heavy sanding



● Steel ● Stainless steel ● Aluminum



**NEW**

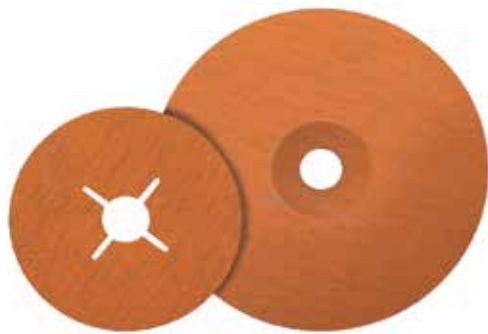
### Exclusive packaging! **TOPCUT™ AND COOLCUT XX™ 50 PACK**

Packaging that makes sense

TOPCUT™ and COOLCUT XX™ also come in sleek packs of 50, humidity-controlled to better preserve and ensure each sanding disc remains intact to allow best performance until it is used. Since Walter's sanding discs are the longest lasting in the industry, this packaging is designed to last as long as you'll have them!

#### **New packaging of 50 discs (2 x 25):**

- ▶ Best preservation of sanding disc with "Humidity Control" feature
- ▶ Shrink wrapped by 25 to keep discs' shape intact



## COOLCUT XX™

Sanding discs with Cyclone™ Technology

An exclusive high-tech blend of abrasive grains as well as bond and cooling agents are incorporated in these discs, allowing you to blend and finish more pieces and establish improved productivity.

- ▷ Remove more material in less time even when compared to a grinding wheel
- ▷ Provide a consistent surface finish, disc after disc
- ▷ Cooling agents ensure cool cutting to prevent burning and distortion
- ▷ All 7" sanding discs are preformed to fit perfectly on backing pads\* without warping and allowing maximum contact with the workpiece
- ▷ 6 times more stock removal than regular sanding discs
- ▷ 2 times faster cutting than regular sanding discs

\* Use Turbo backing pads for maximum benefit (see page 78)



**90% more stock removal than previously!**



Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	24	15-X 452	25	250	\$2.80
4 1/2"	7/8"	36	15-X 453	25	250	\$2.50
4 1/2"	7/8"	50	15-X 455	25	250	\$2.30
4 1/2"	7/8"	60	15-X 456	25	250	\$2.30
4 1/2"	7/8"	80	15-X 458	25	250	\$2.30
4 1/2"	7/8"	100	15-X 460	25	250	\$2.30
4 1/2"	7/8"	120	15-X 462	25	250	\$2.30
5"	7/8"	24	15-X 502	25	250	\$3.25
5"	7/8"	36	15-X 503	25	250	\$2.75
5"	7/8"	50	15-X 505	25	250	\$2.60
5"	7/8"	60	15-X 506	25	250	\$2.60
5"	7/8"	80	15-X 508	25	250	\$2.45
5"	7/8"	100	15-X 510	25	250	\$2.45
5"	7/8"	120	15-X 512	25	250	\$2.45
6"	7/8"	24	15-X 602	25	250	\$5.30
6"	7/8"	36	15-X 603	25	250	\$4.20
6"	7/8"	50	15-X 605	25	250	\$3.85
6"	7/8"	60	15-X 606	25	250	\$3.85
6"	7/8"	80	15-X 608	25	250	\$3.85
6"	7/8"	100	15-X 610	25	250	\$3.80
6"	7/8"	120	15-X 612	25	250	\$3.80
7"	7/8"	24	15-X 702	25	250	\$7.25
7"	7/8"	36	15-X 703	25	250	\$5.25
7"	7/8"	50	15-X 705	25	250	\$4.75
7"	7/8"	60	15-X 706	25	250	\$4.75
7"	7/8"	80	15-X 708	25	250	\$4.75
7"	7/8"	100	15-X 710	25	250	\$4.75
7"	7/8"	120	15-X 712	25	250	\$4.75

**NEW**

## COOLCUT XX™ 50 PACK



Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	36	15-X 453B	50	400	\$2.50
4 1/2"	7/8"	60	15-X 456B	50	400	\$2.30
5"	7/8"	36	15-X 503B	50	400	\$2.75
5"	7/8"	60	15-X 506B	50	400	\$2.60

VIDEO



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**NEW**

- ▷ **Highest performance Zirconium grade sanding disc**
- ▷ **Highest total removal in the industry for a Zirconium disc**
- ▷ **Fastest removal rate with cooler cutting to reduce heat generation and preserve metal**
- ▷ **Longest lasting sanding disc in the industry**
- ▷ **High resistance for sanding on heat sensitive metals**

**New TOPCUT sanding discs  
available in packs of 25  
Spring 2016**

## TOPCUT™

Top of the line in finishing applications

TOPCUT™ sanding discs are now 50% faster than before, with a longer working life to help you maximize the efficiency of your sanding processes. Designed using longer lasting abrasive grains, TOPCUT™ is ideal for finishing applications on stainless steel, and can maximize your stock removal in any given application. Cooler sanding also guarantee your metal will not overheat, helping to preserve it and resulting in a beautiful finished product.



Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	24	15-P 452	25	250	\$2.65
4 1/2"	7/8"	36	15-P 453	25	250	\$2.85
4 1/2"	7/8"	60	15-P 456	25	250	\$2.20
4 1/2"	7/8"	80	15-P 458	25	250	\$2.20
5"	7/8"	24	15-P 502	25	250	\$2.80
5"	7/8"	36	15-P 503	25	250	\$2.80
5"	7/8"	60	15-P 506	25	250	\$2.40
5"	7/8"	80	15-P 508	25	250	\$2.40
7"	7/8"	24	15-P 702	25	250	\$4.25
7"	7/8"	36	15-P 703	25	250	\$4.25
7"	7/8"	60	15-P 706	25	250	\$3.90
7"	7/8"	80	15-P 708	25	250	\$3.90

**NEW**

### New packaging of 50 discs

- ▷ **Best preservation of sanding disc with "Humidity Control" feature**
- ▷ **Shrink wrapped by 25 to keep discs' shape intact**

**New packages of 50 come with  
new TOPCUT sanding discs**



Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	24	15-P 452B	50	400	\$2.65
4 1/2"	7/8"	36	15-P 453B	50	400	\$2.85
4 1/2"	7/8"	60	15-P 456B	50	400	\$2.20
4 1/2"	7/8"	80	15-P 458B	50	400	\$2.20
5"	7/8"	24	15-P 502B	50	400	\$2.80
5"	7/8"	36	15-P 503B	50	400	\$2.80
5"	7/8"	60	15-P 506B	50	400	\$2.40
5"	7/8"	80	15-P 508B	50	400	\$2.40
7"	7/8"	24	15-P 702B	50	200	\$4.25
7"	7/8"	36	15-P 703B	50	200	\$4.25
7"	7/8"	60	15-P 706B	50	200	\$3.90
7"	7/8"	80	15-P 708B	50	200	\$3.90

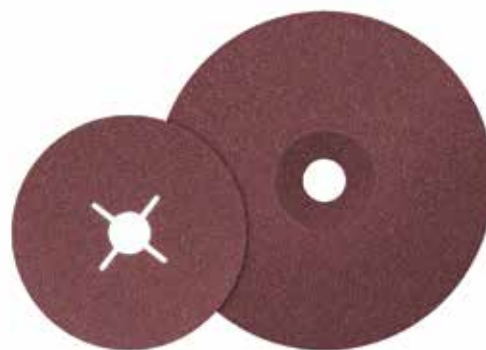
## COOLCUT™

General purpose sanding

This sanding disc will remove light welds and is ideal for general surface cleaning and finishing.



Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
4 1/2"	7/8"	24	15-C 452	25	250	\$1.75
4 1/2"	7/8"	36	15-C 453	25	250	\$1.75
4 1/2"	7/8"	40	15-C 454	25	250	\$1.75
4 1/2"	7/8"	50	15-C 455	25	250	\$1.55
4 1/2"	7/8"	60	15-C 456	25	250	\$1.55
4 1/2"	7/8"	80	15-C 458	25	250	\$1.55
4 1/2"	7/8"	100	15-C 460	25	250	\$1.55
4 1/2"	7/8"	120	15-C 462	25	250	\$1.55
5"	7/8"	24	15-C 502	25	250	\$1.85
5"	7/8"	36	15-C 503	25	250	\$1.85
5"	7/8"	40	15-C 504	25	250	\$1.85
5"	7/8"	50	15-C 505	25	250	\$1.75
5"	7/8"	60	15-C 506	25	250	\$1.75
5"	7/8"	80	15-C 508	25	250	\$1.65
5"	7/8"	100	15-C 510	25	250	\$1.65
5"	7/8"	120	15-C 512	25	250	\$1.65
7"	7/8"	24	15-C 702	25	250	\$2.90
7"	7/8"	36	15-C 703	25	250	\$2.80
7"	7/8"	40	15-C 704	25	250	\$2.80
7"	7/8"	50	15-C 705	25	250	\$2.65
7"	7/8"	60	15-C 706	25	250	\$2.55
7"	7/8"	80	15-C 708	25	250	\$2.45
7"	7/8"	100	15-C 710	25	250	\$2.45
7"	7/8"	120	15-C 712	25	250	\$2.45



- ▷ Premium blend of aluminum oxide grain
- ▷ High removal rate, cool cutting





- ▷ 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 hand tighten



## BACKING PAD ASSEMBLIES



Dia.	Thread	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	M10×1.25	15-D 030	15,000	1	10	\$12.60
4"	3/8"-24	15-D 035	15,000	1	10	\$12.60
4 1/2"	5/8"-11	15-D 044	13,300	1	10	\$12.60
5"	5/8"-11	15-D 054	12,200	1	10	\$13.90
6"	5/8"-11	15-D 064	10,200	1	10	\$20.20
7"	5/8"-11	15-D 027	8,600	1	10	\$21.50

## 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.



Dia.	Thread	Color	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	Black	15-M 044	13,300	1	10	\$21.45
4 1/2"	5/8"-11	White	15-M 045	13,300	1	10	\$21.45
5"	5/8"-11	Black	15-M 054	12,200	1	10	\$24.45
5"	5/8"-11	White	15-M 055	12,200	1	10	\$24.45
6"	5/8"-11	Black	15-M 064	10,200	1	10	\$33.05
6"	5/8"-11	White	15-M 065	10,200	1	10	\$33.05
7"	5/8"-11	Black	15-M 007	8,600	1	10	\$36.70
7"	5/8"-11	White	15-M 008	8,600	1	10	\$36.70

### Accessories

#### EXTRA CLAMPING NUTS

	Order No.	Price
For 4" backing pads		
3/8"-24	15-D 015	\$3.50
For 4 1/2" and 5" backing pads		
M10×1.25	15-D 010	\$3.50
5/8"-11	15-D 014	\$3.50
For 6" and 7" backing pads 5/8"-11		
For 7" Turbo Action backing pad 5/8"-11	15-M 014	\$3.75

#### Spacer washers (supplied separately)

For grinders with: 5/8"-11 spindle	07-Q 001	\$2.35
M14×2.0 spindle	07-Z 005	\$2.20

## COOLCUT™ FLAP WHEELS

These flap wheels are made of the highest industrial quality abrasive cloth and have an optimal number of flaps that are securely bonded and balanced around the hub for a top quality finish. They are ideal for general purpose blending, shaping and deburring and will quickly give a consistent and uniform grained satin finish.

### 1/4" Shaft



Dia.	Width	Grit	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
1"	3/8"	40	15-F 054	30,000	27,500	10	100	\$7.35
1"	3/8"	60	15-F 056	30,000	27,500	10	100	\$7.35
1"	3/8"	80	15-F 058	30,000	27,500	10	100	\$7.35
1"	3/8"	120	15-F 062	30,000	27,500	10	100	\$7.35
1"	1"	40	15-F 154	30,000	27,500	10	100	\$6.60
1"	1"	60	15-F 156	30,000	27,500	10	100	\$6.60
1"	1"	80	15-F 158	30,000	27,500	10	100	\$6.60
1"	1"	120	15-F 162	30,000	27,500	10	100	\$6.60
1 1/2"	3/8"	40	15-F 004	25,000	19,100	10	100	\$7.65
1 1/2"	3/8"	60	15-F 006	25,000	19,100	10	100	\$7.65
1 1/2"	3/8"	80	15-F 008	25,000	19,100	10	100	\$7.65
1 1/2"	3/8"	120	15-F 012	25,000	19,100	10	100	\$7.65
1 1/2"	1"	40	15-F 104	25,000	19,100	10	100	\$7.90
1 1/2"	1"	60	15-F 106	25,000	19,100	10	100	\$7.90
1 1/2"	1"	80	15-F 108	25,000	19,100	10	100	\$7.90
1 1/2"	1"	120	15-F 112	25,000	19,100	10	100	\$7.90
1 1/2"	1"	240	15-F 124	25,000	19,100	10	100	\$7.90
2"	3/8"	40	15-F 204	25,000	15,200	10	100	\$8.40
2"	3/8"	60	15-F 206	25,000	15,200	10	100	\$8.40
2"	3/8"	80	15-F 208	25,000	15,200	10	100	\$8.40
2"	3/8"	120	15-F 212	25,000	15,200	10	100	\$8.40
2"	1"	40	15-F 304	25,000	15,200	10	100	\$8.40
2"	1"	60	15-F 306	25,000	15,200	10	100	\$8.40
2"	1"	80	15-F 308	25,000	15,200	10	100	\$8.40
2"	1"	120	15-F 312	25,000	15,200	10	100	\$8.40
2"	1"	240	15-F 324	25,000	15,200	10	100	\$8.40
2 1/2"	1 1/2"	40	15-F 504	20,000	12,700	10	100	\$13.20
2 1/2"	1 1/2"	60	15-F 506	20,000	12,700	10	100	\$13.20
2 1/2"	1 1/2"	80	15-F 508	20,000	12,700	10	100	\$13.20
2 1/2"	1 1/2"	120	15-F 512	20,000	12,700	10	100	\$13.20
2 1/2"	1 1/2"	240	15-F 524	20,000	12,700	10	100	\$13.20
3"	1"	40	15-F 704	15,000	8,900	10	100	\$13.30
3"	1"	60	15-F 706	15,000	8,900	10	100	\$13.30
3"	1"	80	15-F 708	15,000	8,900	10	100	\$13.30
3"	1"	120	15-F 712	15,000	8,900	10	100	\$13.30
3"	1 1/2"	40	15-F 804	15,000	8,900	10	100	\$17.25
3"	1 1/2"	60	15-F 806	15,000	8,900	10	100	\$17.25
3"	1 1/2"	80	15-F 808	15,000	8,900	10	100	\$17.25
3"	1 1/2"	120	15-F 812	15,000	8,900	10	100	\$17.25
3"	1 1/2"	240	15-F 824	15,000	8,900	10	100	\$17.25
3"	2"	40	15-F 904	11,000	8,900	10	100	\$18.90
3"	2"	60	15-F 906	11,000	8,900	10	100	\$18.90
3"	2"	80	15-F 908	11,000	8,900	10	100	\$18.90
3"	2"	120	15-F 912	11,000	8,900	10	100	\$18.90





## 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.



### Accessories

#### Steel flanges

Reducer from 1" to 5/8" spindle

Order No. 15-G 962 - \$11.85



Dia.	Width	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
6 1/2"	1"	1"	60	15-G 206	5,200	1	10	\$56.15
6 1/2"	1"	1"	80	15-G 208	5,200	1	10	\$56.15
6 1/2"	1"	1"	120	15-G 212	5,200	1	10	\$56.15
6 1/2"	2"	1"	60	15-G 306	5,200	1	10	\$74.50
6 1/2"	2"	1"	80	15-G 308	5,200	1	10	\$74.50
6 1/2"	2"	1"	120	15-G 312	5,200	1	10	\$74.50



## TWO-IN-ONE™ FLAP WHEELS

Combine two finishing steps into one. They remove material nearly as fast as a flap wheel while leaving a uniform satin finish.



### Finishing guide - TWO-IN-ONE

GRIT	FEPA EQUIVALENT
Medium	150
Fine	180
Extra fine	220
Extra fine, flexible	220
Polishing	360

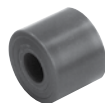
Dia.	Width	Shaft Thread Arbor	Grit	Order No.	Max RPM	Opt. RPM	Std. Pkg.	Std. Ctn.	Price ea.
2"	1"	1/4"	Fine	15-E 124	12,000	8,400	1	10	\$16.00
2"	1"	1/4"	Extra fine	15-E 126	12,000	8,400	1	10	\$16.00
3"	1 3/4"	1/4"	Medium	15-E 162	8,000	5,600	1	10	\$31.00
3"	1 3/4"	1/4"	Fine	15-E 164	8,000	5,600	1	10	\$31.00
3"	1 3/4"	1/4"	Extra fine	15-E 166	8,000	5,600	1	10	\$31.00
3"	1 3/4"	1/4"	Extra fine, flex.	15-E 167	8,000	5,600	1	10	\$31.00
3"	1 3/4"	1/4"	Polishing*	15-E 168	8,000	5,600	1	10	\$27.30
3"	1 1/2"	1/4"-20	Medium	15-E 652	8,000	5,600	1	10	\$33.05
3"	1 1/2"	1/4"-20	Fine	15-E 654	8,000	5,600	1	10	\$33.05
3"	1 1/2"	1/4"-20	Extra fine	15-E 656	8,000	5,600	1	10	\$33.05
3"	1 1/2"	1/4"-20	Polishing*	15-E 658	8,000	5,600	1	10	\$28.35
6"	1"	1 1/4"	Fine	15-E 295	3,600	2,500	1	10	\$59.80
6"	1"	1 1/4"	Extra fine	15-E 296	3,600	2,500	1	10	\$59.80

### Accessories

#### Reducer bushing

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

Order No. 12-E 010 - \$3.50



#### Mandrel for finishing wheels

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

Order No. 07-C 003 - \$19.95



\* BLENDEX non-woven material only.



# COOLCUT™ SHOP ROLLS AND SHEETS

COOLCUT cloth abrasives are made from fast cutting aluminum oxide abrasive grain that is resin bonded onto a high quality cotton cloth backing for cool, effective cutting and maximum resistance to wear. For general purpose sanding, light removal and deburring, surface cleaning and finishing.

## Shop rolls

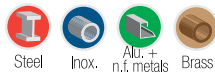


Width	Length	Grit	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
1"	50 yards	60	14-C 106	1	10	\$33.60
1"	50 yards	80	14-C 108	1	10	\$33.60
1"	50 yards	100	14-C 110	1	10	\$33.60
1"	50 yards	120	14-C 112	1	10	\$33.60
1"	50 yards	180	14-C 118	1	10	\$33.60
1"	50 yards	240	14-C 124	1	10	\$33.60
1"	50 yards	320	14-C 132	1	10	\$33.60
1 1/2"	50 yards	60	14-C 206	1	10	\$45.65
1 1/2"	50 yards	80	14-C 208	1	10	\$45.65
1 1/2"	50 yards	100	14-C 210	1	10	\$45.65
1 1/2"	50 yards	120	14-C 212	1	10	\$45.65
1 1/2"	50 yards	180	14-C 218	1	10	\$45.65
1 1/2"	50 yards	240	14-C 224	1	10	\$45.65
1 1/2"	50 yards	320	14-C 232	1	10	\$45.65
2"	50 yards	60	14-C 306	1	10	\$57.75
2"	50 yards	80	14-C 308	1	10	\$57.75
2"	50 yards	100	14-C 310	1	10	\$57.75
2"	50 yards	120	14-C 312	1	10	\$57.75
2"	50 yards	180	14-C 318	1	10	\$57.75
2"	50 yards	240	14-C 324	1	10	\$57.75
2"	50 yards	320	14-C 332	1	10	\$57.75



- ▶ Premium J-weight cloth backing for long life and flexibility
- ▶ Perfect for making strip belts for use with the Line-Mate system belt drive roller
- ▶ Ideal for use in maintenance shops, machine shops, manufacturing plants and more

## Sheets



Dimensions	Grit	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
9" x 11"	40	14-A 904	25	250	\$2.50
9" x 11"	60	14-A 906	25	250	\$2.50
9" x 11"	80	14-A 908	25	250	\$2.50
9" x 11"	100	14-A 910	25	250	\$2.50
9" x 11"	120	14-A 912	25	250	\$2.50
9" x 11"	180	14-A 918	25	250	\$2.50
9" x 11"	240	14-A 924	25	250	\$2.50
9" x 11"	320	14-A 932	25	250	\$2.50



- ▶ Woven backing is extra tough but tears straight for easy sizing
- ▶ Long life, cool cut



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



- ▷ 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 complex surfaces making them indispensable when used in repair or maintenance applications.



### Hand pads

Size	Order No.	Color	Type	Std. Pkg.	Price ea.
6" × 9"	07-A 100	Maroon	Blending	60	\$1.40
6" × 9"	07-A 200	Grey	Finishing/Polishing	60	\$1.40
6" × 9"	07-A 300	Tan	Heavy-duty	60	\$3.15
6" × 9"	07-A 400	Green	General purpose	60	\$1.40
6" × 9"	07-A 500	White	Cleaning	60	\$1.50

### Accessory

#### Hand pad holder

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

3" × 6"

Order No. 07-A 001- \$8.05



### Rolls



Width	Length	Order No.	Color	Type	Std. Pkg.	Std. Ctn.	Price ea.
4"	30'	07-B 104	Maroon	Blending	1	10	\$63.70
4"	30'	07-B 204	Grey	Finishing/Polishing	1	10	\$63.70
4"	30'	07-B 304	Tan	Heavy-duty	1	10	\$163.45
4"	30'	07-B 404	Green	General purpose	1	10	\$63.70
4"	30'	07-B 504	White	Cleaning	1	10	\$63.70

### Tech tip!

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



**SURFOX Pre-Weld**  
Order No. 54-A 083 - \$12.00

# FX™ CLEANING ABRASIVES

FX abrasives are made of high density, non-woven, synthetic webbing infused with abrasive grain. They are most effective for removing paint, coatings, burn marks, rust, scale, gaskets and similar applications. Can replace wire brushes in many applications.

## SPIN-ON Cup discs



Dia.	Width	Arbor	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	3/4"	5/8"-11	07-X 450	10,500	6,000	5	20	\$20.65
5"	3/4"	5/8"-11	07-X 505	10,500	6,000	5	20	\$23.60



- ▶ Outstanding life and performance due to an innovative wheel construction
- ▶ For use on angle grinders with a suitable speed range
- ▶ No backing pad required

### VIDEO



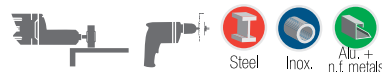
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## Mounted wheels



Dia.	Width	Shaft	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
2"	1"	1/4"	07-X 120	11,000	6,000	1	10	\$11.35

## Cleaning wheels



Dia.	Width	Arbor	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	1/2"	1/2"	07-X 640	6,000	3,500 to 4,000	10	40	\$7.85
6"	1/2"	1/2"	07-X 660	4,000	2,400 to 2,700	10	40	\$13.00

- ▶ Excellent for working in confined areas



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

### Accessories

#### Mounting accessories for 4" FX wheels

Mandrels for use on straight grinders and drills

- 1/4" shaft **Order No. 07-X 004 - \$19.65**
- 8 mm shaft **Order No. 07-X 003 - \$19.65**



#### Mounting accessories for 6" FX wheels

Mandrels for use on straight grinders and drills

- 1/4" shaft **Order No. 07-X 006 - \$20.15**
- 8 mm shaft **Order No. 07-X 005 - \$20.15**



#### Extension mandrels for use on angle grinders

- M14 thread **Order No. 07-C 005 - \$47.25**
- 5/8"-11 thread **Order No. 07-C 006 - \$47.25**



Check out the Walter network to see firsthand how to achieve the best finishing results through the use of Walter products!

To get to TWN, visit [www.youtube.com/thewalternetwork](http://www.youtube.com/thewalternetwork)

The various finishing videos are easily found by scrolling to the Walter Academy playlist.



Looking to achieve a #4 brushed finish in 3 steps on a flat surface of stainless steel starting with a TIG weld? We would recommend:

STEP 1



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

STEP 2



Quick Step Blendix  
4-1/2" medium no. 07-R 453

STEP 3



Two-in-one drum 4-1/2"  
2" wide no. 07-K 422

**Check out our website at [www.walter.com](http://www.walter.com) to see all we have to offer in terms of finishing!**

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](http://www.walter.com)

#4 brush  
finish on stainless  
steel video



[www.walter.com](http://www.walter.com)

#8 mirror  
finish on stainless  
steel video



[www.walter.com](http://www.walter.com)

Brushed finish on  
structural aluminum  
video



[www.walter.com](http://www.walter.com)

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# FINISHING

THE RIGHT TOOLS  
FOR THE PERFECT FINISH



# LINEAR FINISHING SYSTEM

**The Line-Mate linear surface finishing system** is the most versatile method for all applications where a linear scratch pattern is required. System features a complete range of innovative abrasives designed to match any line finish and reduce your finishing costs. Whether you work in stainless steel, aluminum, brass, copper or other alloys, applying a line finish is done quickly and with little effort.

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

			Type of finish	Pre-finishing	Coarse finish	Sanitary	Pharmaceutical	Light polish	Mirror finish
			Ra	(>60 µin)	(60-50 µin)	(40-25 µin)	(16-12 µin)	(8-4 µin)	(4-1 µin)
			Grit size						
<b>DRUMS</b>	FX Drums @ 2000 RPM	Cleaning	07-L	Coarse					
	Coolcut Flap Drums @ 2000 RPM	Graining	07-J	40					
				60					
				80					
				120					
	Blendex Drums @ 2000 RPM	Linear finishing	07-M	Coarse					
				Medium					
				Fine					
				Super fine					
				Ultra fine					
2-in-1 Drums @ 2000 RPM	Linear finishing	07-K	80						
Buffing Drums and polishing pastes @ 2000 RPM	Mirror finishing	07-T + paste	White 1200-1500						
		07-T + paste	Blue 2000						
<b>BELTS</b>	Cloth Drum Belts @ 2000 RPM	Removing deep scratches (Stock removal)	07-F	40					
				60					
				80					
				120					
	Blendex Drum Belts @ 2000 RPM	Graining and mirror finishing	07-H	Coarse					
				Medium					
				Fine					
				Super Fine					
	High polish Drum Belts, Instant polish Drum Belts and polishing pastes	Mirror finishing	07-T + paste	White 1200-1500					
			07-T + paste	Blue 2000					
07-T + Instant polish paste									

# LINE-MATE LINEAR SURFACE FINISHING SYSTEM

The professional choice for line finishing

Whether you need to grind, sand, clean, buff or polish any metal surface, this system offers the most complete range of products to match the line finish required for your applications.

Simply thread any of the adaptors on the sander and start the best and quickest finishing process you can accomplish.

**Line-Mate III High efficiency drum sander**  
(See p. 154 for details)

**Pneumatic drum and belts**

**Drive roller and T-lock™ belts - for pipes, tubing and railings**

**Drums**



- ▷ **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 line finish**

## COOLCUT™ FLAP DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/4"	2"	5/8"-11	40	07-J 424	3,800	1	10	\$57.80
4 1/4"	2"	5/8"-11	60	07-J 426	3,800	1	10	\$61.00
4 1/4"	2"	5/8"-11	80	07-J 428	3,800	1	10	\$62.10
4 1/4"	2"	5/8"-11	120	07-J 432	3,800	1	10	\$62.10
4 1/4"	4"	5/8"-11	40	07-J 444	3,800	1	10	\$94.20
4 1/4"	4"	5/8"-11	60	07-J 446	3,800	1	10	\$94.20
4 1/4"	4"	5/8"-11	80	07-J 448	3,800	1	10	\$94.20
4 1/4"	4"	5/8"-11	120	07-J 452	3,800	1	10	\$94.20

## TWO-IN-ONE™ DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	2"	5/8"-11	80	07-K 422	3,800	1	10	\$63.15
4 1/2"	4"	5/8"-11	80	07-K 442	3,800	1	10	\$110.25

**BLENDEx™ DRUMS**



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	2"	5/8"-11	Coarse	07-M 422	3,800	1	10	\$65.35
4 1/2"	2"	5/8"-11	Medium	07-M 423	3,800	1	10	\$65.35
4 1/2"	2"	5/8"-11	Fine	07-M 424	3,800	1	10	\$65.35
4 1/2"	2"	5/8"-11	Super fine	07-M 425	3,800	1	10	\$65.35
4 1/2"	4"	5/8"-11	Coarse	07-M 442*	3,800	1	10	\$112.40
4 1/2"	4"	5/8"-11	Medium	07-M 443*	3,800	1	10	\$112.40
4 1/2"	4"	5/8"-11	Fine	07-M 444	3,800	1	10	\$112.40
4 1/2"	4"	5/8"-11	Super fine	07-M 445	3,800	1	10	\$112.40
4 1/2"	4"	5/8"-11	Ultra fine	07-M 446**	3,800	1	10	\$112.40

\* 07-M 442 and 07-M 443: Now with "Perfect Brush Finish" technology. Exclusive to Walter, this technology enhances the finish by providing 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.



▷ Use them to polish, burnish, blend, deburr, clean and brighten stainless steel, aluminum, brass, copper and other alloys

**BLENDEx HD™ DRUMS**



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	2"	5/8"-11	Coarse	07-M 411	3,800	1	10	\$85.10



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

**INOX TAPE**

Excellent for a perfect mitred corner finish



Length	Width	Thickness	Order No.	Std. Pkg.	Price ea.
16' 3/8"	1 37/64"	3/600"	07-T 100	1	\$100.00

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



**BUFFING DRUMS**



Dia.	W.	Arbor	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 3/4"	2"	5/8"-11	Multi-ply cotton	07-T 425	3,800	1,700 to 2,200	1	10	\$89.20
4 3/4"	2"	5/8"-11	Fold cotton	07-T 427	3,800	1,700 to 2,200	1	10	\$110.20

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

**POLISHING PASTES**



Name	Order No.	Weight approx.	Grit	Std. Ctn.	Price ea.
White paste	07-T 901	600 g	1200-1500	10	\$26.80
Blue paste	07-T 905	650 g	2000	10	\$26.80
<b>New</b> Instant polish paste	07-T 907	1200 g	---	5	\$38.00



▷ Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants  
▷ Suitable for use in food processing industries

VIDEO

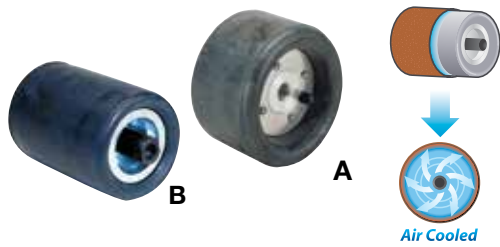


www.walter.com

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







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 concave and convex surfaces

## PNEUMATIC DRUMS

### Accessories

Photo	Width	Dia.	Arbor	Max. RPM	Order No.	Price
A	3 1/2"	5"	5/8"-11	3,800	07-F 037	\$182.00
B	5 3/8"	3 1/2"	5/8"-11	3,800	07-F 051	\$139.25

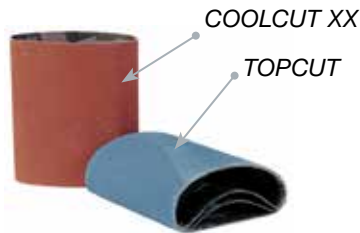
Extension for pneumatic drum A 08-B 009 \$46.90

### Replacement rubber bladder assemblies

3 1/2" x 5" (for drum A)	07-F 093	\$62.10
5 3/8" x 3 1/2" (for drum B)	07-F 095	\$62.10
Drum Inflator	07-F 014	\$15.50
Valve core for both drums	07-F 013	\$5.45

### Rubber cleaning stick

Prolongs life of drum belts by removing build-up 14-E 001 \$22.60



- ▷ Will create or restore line finishes, level off small welds, round corners, remove deep scratches, etc.
- ▷ Equipped with taped butt-joints for longer life and higher removal rate

## TOPCUT™ and COOLCUT XX™ CLOTH DRUM BELTS



Width	Length	Diameter	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
3 1/2"	15 1/2"	5"	40 TOPCUT	07-F 364	5	100	\$5.45
3 1/2"	15 1/2"	5"	60 COOLCUT XX	07-F 366	5	100	\$5.45
3 1/2"	15 1/2"	5"	80 COOLCUT XX	07-F 368	5	100	\$5.45
3 1/2"	15 1/2"	5"	120 COOLCUT XX	07-F 371	5	100	\$5.45
5 3/8"	11 5/8"	3 1/2"	40 TOPCUT	07-F 504	5	100	\$5.95
5 3/8"	11 5/8"	3 1/2"	60 COOLCUT XX	07-F 506	5	100	\$5.95
5 3/8"	11 5/8"	3 1/2"	80 COOLCUT XX	07-F 508	5	100	\$5.95
5 3/8"	11 5/8"	3 1/2"	120 COOLCUT XX	07-F 511	5	100	\$5.95



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

## BLENDIX™ DRUM BELTS



Width	Length	Dia.	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
3 1/2"	15 1/2"	5"	Coarse	07-H 362	1	10	\$32.10
3 1/2"	15 1/2"	5"	Medium	07-H 363	1	10	\$32.10
3 1/2"	15 1/2"	5"	Fine	07-H 364	1	10	\$32.10
3 1/2"	15 1/2"	5"	Super fine	07-H 365	1	10	\$32.10
5 3/8"	11 5/8"	3 1/2"	Coarse	07-H 502	1	10	\$53.55
5 3/8"	11 5/8"	3 1/2"	Medium	07-H 503	1	10	\$53.55
5 3/8"	11 5/8"	3 1/2"	Fine	07-H 504	1	10	\$53.55
5 3/8"	11 5/8"	3 1/2"	Super fine	07-H 505	1	10	\$53.55

- ▷ 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.	Min. Pkg.	Std. Ctn.	Price ea.
5 3/8"	11 5/8"	3 1/2"	White	07-T 530	1	10	\$96.35
<b>New</b> 3 1/2"	15 1/2"	5"	Yellow	07-T 334	1	10	\$80.00
<b>New</b> 5 3/8"	11 5/8"	3 1/2"	Yellow	07-T 534	1	10	\$100.00



**NEW**

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



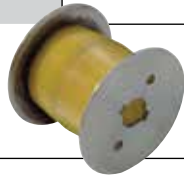
- ▷ Ideal for cleaning or finishing pipes, tubing and railings
- ▷ Will produce a new sheen to tarnished pipes
- ▷ Special T-Lock allows quick and easy access when finishing closed loop workpieces



**Accessory**

**Belt drive roller**  
3 1/4" x 2 3/4" x 5/8"-11

**Order No.** 07-F 002 - \$166.90



**INSTANT POLISH™ DRUM BELTS**

One-Step solution to achieving a #8 mirror finish



Width	Length	Dia.	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
3 1/2"	5 1/2"	5	07-T 336	1	10	\$108.00
5 3/8"	11 5/8"	3 1/2"	07-T 536	1	10	\$135.00

**BLENDEX™ T-LOCK BELTS**



Width	Length	Grit	Color	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1 3/16"	25"	Coarse	Tan	07-H 242	3	48	\$18.70
1 3/16"	25"	Medium	Maroon	07-H 243	3	48	\$18.70
1 3/16"	25"	Fine	Blue	07-H 244	3	48	\$18.70
1 3/16"	25"	Super fine	Grey	07-H 245	3	48	\$18.70

**T-LOCK POLISHING FELT BELT**



Width	Length	Color	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1 3/16"	24"	White	07-T 225	3	48	\$36.70

Use with polishing paste.



**HAND RAIL FINISHING KIT**

**Order No.** 07-H 992 - \$214.10

**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

The perfect tool to clean welds and obtain a finish

Clean and surface finish in one step! Leverage the new FX FLEX drum to easily clean TIG and MIG welds, while also leave a fine #4 finish on your metal surfaces. This product is ideal when you need more than surface cleaning and is a great tool to clean uneven surfaces like a checker plate. The 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.



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	2"	5/8"-11	Flex coarse	07-L 422	3,800	1	10	\$85.70
4 1/2"	4"	5/8"-11	Flex coarse	07-L 442	3,800	1	10	\$166.25

## FX™ DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	2"	5/8"-11	Coarse	07-L 420	3,800	1	10	\$115.60
4 1/2"	4"	5/8"-11	Coarse	07-L 440	3,800	1	10	\$214.10

## FX™ DRUMS REVERSIBLE



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	4"	5/8"-11	Coarse	07-L 441	3,800	1	10	\$215.00

## LINE-MATE III™ KIT

The Line-Mate III drum sander sets the standard for industrial line finishing. By combining power, endurance and operator comfort with the best in finishing abrasives, you can expect nothing but the best by choosing our Line-Mate III finishing kit!

### 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, No. 07-F 506, 80, No.07-F 508 and 120, No. 07-F 511)
- 2 BLENDEX drum belts (Coarse, No. 07-H 502, Medium, No. 07-H 503)
- 1 TWO-IN-ONE drum (4 1/4" x 4", No. 07-K 442)
- 1 BLENDEX drum (4 1/4" x 4" medium, No. 07-M 443)

Model	Order No.	RPM	Spindle thread	Motor	Amps	Weight	Price
6268 KIT	30-A 269	1,000-3,800	5/8"-11	120V A.C. only	12.4	16 lbs	\$1,233.40



- ▷ 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



# COATED ABRASIVE FILE BELTS

WALTER offers a complete assortment of portable 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 longest belt life even in the most demanding applications.

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



TOPCUT+

INOX+

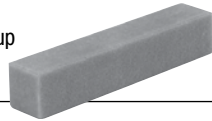
- ▶ *Made from top quality grain for sanding and finishing of stainless steel*
- ▶ *Leave a smooth and bright surface finish*

**Accessory**

**Rubber cleaning stick**

Prolongs life of drum belts by removing build-up

Order No. 14-E 001 - \$22.60



# 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.	Min. Pkg.	Std. Ctn.	Price ea.
1/2"	18"	36	14-D 033	25	200	\$2.40
1/2"	18"	60	14-D 036	25	200	\$2.40
1/2"	18"	80	14-D 038	25	200	\$2.40
1/2"	24"	36	14-D 053	25	200	\$2.40
1/2"	24"	60	14-D 056	25	200	\$2.40
1/2"	24"	80	14-D 058	25	200	\$2.40
3/4"	18"	36	14-D 103	25	200	\$2.90
3/4"	18"	60	14-D 106	25	200	\$2.90
3/4"	18"	80	14-D 108	25	200	\$2.90
3/4"	24"	36	14-D 123	25	200	\$2.90
3/4"	24"	60	14-D 126	25	200	\$2.90
3/4"	24"	80	14-D 128	25	200	\$2.90

# INOX+ FILE BELTS



Width	Length	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1/2"	18"	36	14-B 033	25	200	\$2.20
1/2"	18"	60	14-B 036	25	200	\$2.20
1/2"	18"	80	14-B 038	25	200	\$2.20
1/2"	18"	120	14-B 042	25	200	\$2.20
1/2"	24"	36	14-B 053	25	200	\$2.20
1/2"	24"	60	14-B 056	25	200	\$2.20
1/2"	24"	80	14-B 058	25	200	\$2.20
1/2"	24"	120	14-B 062	25	200	\$2.20
3/4"	18"	36	14-B 103	25	200	\$2.50
3/4"	18"	60	14-B 106	25	200	\$2.50
3/4"	18"	80	14-B 108	25	200	\$2.50
3/4"	18"	120	14-B 112	25	200	\$2.50
3/4"	24"	36	14-B 123	25	200	\$2.75
3/4"	24"	60	14-B 126	25	200	\$2.75
3/4"	24"	80	14-B 128	25	200	\$2.75
3/4"	24"	120	14-B 132	25	200	\$2.75

# BLENDEx+™ FILE BELTS



Width	Length	Grit	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1/2"	18"	Coarse	07-D 032	10	50	\$6.85
1/2"	18"	Medium	07-D 033	10	50	\$6.85
1/2"	18"	Very fine	07-D 034	10	50	\$6.85
1/2"	24"	Coarse	07-D 052	10	50	\$7.25
1/2"	24"	Medium	07-D 053	10	50	\$7.25
1/2"	24"	Very fine	07-D 054	10	50	\$7.25
3/4"	18"	Coarse	07-D 102	10	50	\$9.45
3/4"	18"	Medium	07-D 103	10	50	\$9.45
3/4"	18"	Very fine	07-D 104	10	50	\$9.45
3/4"	24"	Coarse	07-D 122	10	50	\$9.45
3/4"	24"	Medium	07-D 123	10	50	\$9.45
3/4"	24"	Very fine	07-D 124	10	50	\$9.45

# CIRCULAR FINISHING QUICK-STEP SYSTEM

**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 the 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	Grit size	Pre-finishing (>60 µm)	Coarse Finish (60-50 µm)	Sanitary (40-25 µm)	Pharmaceutical (20-12 µm)	Light polish (8-4 µm)	Mirror finish (4-1 µm)
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 @ 5 000 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	White 1200-1500						
			Blue 2000						
			Instant Polish 1200-2000						



See how to achieve these perfect finishes in our online videos at [www.youtube.com/thewalternetwork](http://www.youtube.com/thewalternetwork)

VIDEO



[www.walter.com](http://www.walter.com)



## QUICK-STEP™ METAL SURFACE FINISHING SYSTEM

QUICK-STEP, the names says it all! Reduce the number of products required to achieve the right finish. From sanitary to pharmaceutical to reflective or mirror finishes, QUICK-STEP will help you to efficiently achieve the finish you are looking for.

**High Efficiency QUICK-STEP sander / polisher** (See p. 153 for details)



**Quick disc change between finishing steps**



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

## 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 the BLENDX surface conditioning discs.

Pad dia.	For disc dia.	Thread	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	4 1/2"	5/8"-11	07-Q 149	1	10	\$47.70
5"	5"	5/8"-11	07-Q 154	1	10	\$49.75
6"	6"	5/8"-11	07-Q 164	1	10	\$50.75
7"	7"	5/8"-11	07-Q 174	1	10	\$58.45

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

Exclusive centering pin guarantees vibration-free operations



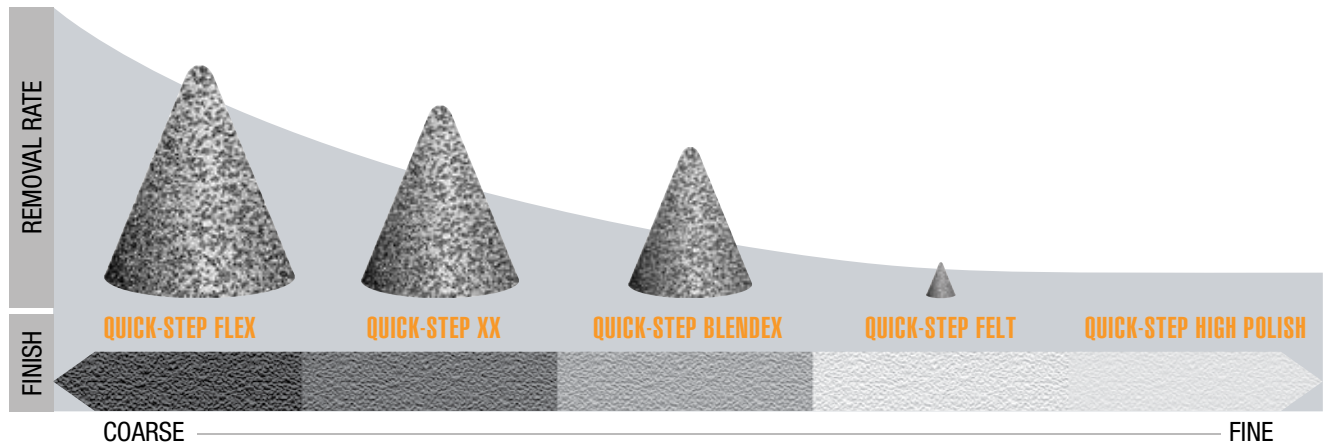
Torque resistant mushroom hooks hold discs securely in place

### QUICK-STEP BACKING PADS

Pad dia.	For disc dia.	Thread	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
4	4 1/2"	5/8"-11	07-Q 044*	1	10	\$38.20
4 1/2"	4 1/2"	5/8"-11	07-Q 049	1	10	\$44.50
5"	5"	5/8"-11	07-Q 054	1	10	\$46.65
6"	6"	5/8"-11	07-Q 064	1	10	\$46.65
7"	7"	5/8"-11	07-Q 074	1	10	\$54.10

\* 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.	Price ea.
4 1/2"	07-X 845	6,000	2,000 to 3,000	5	40	\$27.30
6"	07-X 860	6,000	3,000	5	40	\$42.35



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

## QUICK-STEP™ FLEX



Dia.	Grit	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	40	07-Q 454	11,000	8,000	10	40	\$17.20
4 1/2"	60	07-Q 456	11,000	8,000	10	40	\$17.20
4 1/2"	80	07-Q 458	11,000	8,000	10	40	\$17.20
4 1/2"	120	07-Q 462	11,000	8,000	10	40	\$17.20
5"	40	07-Q 504	10,000	7,300	10	40	\$20.05
5"	60	07-Q 506	10,000	7,300	10	40	\$20.05
5"	80	07-Q 508	10,000	7,300	10	40	\$20.05
5"	120	07-Q 512	10,000	7,300	10	40	\$20.05
6"	40	07-Q 604	8,600	6,500	10	40	\$25.20
6"	60	07-Q 606	8,600	6,500	10	40	\$25.20
6"	80	07-Q 608	8,600	6,500	10	40	\$25.20
6"	120	07-Q 612	8,600	6,500	10	40	\$25.20



- ▶ For bringing down and blending in light welds, for deburring, breaking edges and rounding corners
- ▶ They are aggressive, cool cutting and give 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!





- ▷ **Ultra High Removal Rate** – Twice as fast than Velcro or PSA (pressure sensitive adhesive) sanding discs
- ▷ **Self-sharpening grain** – Allowing consistent high cutting rate throughout lifetime
- ▷ **Cooling agent** – Ensuring cool cutting to prevent burning and distortion
- ▷ **Extra strong cloth backing** – Resistant to ripping when catching an edge unlike regular paper discs
- ▷ **Extra long life** – Over 6x the stock removal than regular sanding discs



## QUICK-STEP XX™ SANDING DISCS

The newest member of the QUICK-STEP Family, this high performance sanding disc leverages our exclusive Cyclone™ Technology, a high-tech blend of abrasive grains, and combines it with a special cooling agent, allowing you to blend and finish more pieces and 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.	Price ea.
4 1/2"	120	15-V 412	7,400	5,000	25	250	<b>\$3.50</b>
4 1/2"	180	15-V 418	7,400	5,000	25	250	<b>\$3.50</b>
4 1/2"	240	15-V 424	7,400	5,000	25	250	<b>\$3.50</b>
5"	120	15-V 512	6,150	4,000	25	250	<b>\$3.85</b>
5"	180	15-V 518	6,150	4,000	25	250	<b>\$3.85</b>
5"	240	15-V 524	6,150	4,000	25	250	<b>\$3.85</b>
6"	120	15-V 612	5,100	3,000	25	250	<b>\$6.45</b>
6"	180	15-V 618	5,100	3,000	25	250	<b>\$6.45</b>
6"	240	15-V 624	5,100	3,000	25	250	<b>\$6.45</b>

## QUICK-STEP INTERFACE PADS

Ideal for working on curved surfaces or when greater flexibility is required. It has a soft foam cushion to increase flexibility and provide a better finish without gouging.

Dia.	Order No.	Std Pkg	Std Ctn	Price ea.
4 1/2"	07-Q 045	1	10	<b>\$15.90</b>
5"	07-Q 050	1	10	<b>\$18.30</b>
6"	07-Q 060	1	10	<b>\$23.10</b>
7"	07-Q 070	1	10	<b>\$31.75</b>

### Spacer washers

For long 5/8"-11 spindles

**Order No. 07-Q 001 - \$2.35**

For long M14x2.0 spindles

**Order No. 07-Z 005 - \$2.20**



# QUICK-STEP BLENDEX

## SURFACE CONDITIONING DISCS



Dia.	Grit	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	X-TRA COARSE, brown	07-R 450	11,000		10	100	\$8.90
4 1/2"	COARSE, tan	07-R 452	11,000	4,000	10	100	\$7.40
4 1/2"	MEDIUM, maroon	07-R 453	11,000	to	10	100	\$5.95
4 1/2"	FINE, blue	07-R 454	11,000	6,500	10	100	\$5.95
4 1/2"	SUPER FINE, grey	07-R 455	11,000		10	100	\$5.95
5"	X-TRA COARSE, brown	07-R 500	11,000	3,000	10	100	\$9.00
5"	COARSE, tan	07-R 502	11,000	to	10	100	\$8.45
5"	MEDIUM, maroon	07-R 503	11,000	6,500	10	100	\$6.20
5"	FINE, blue	07-R 504	11,000		10	100	\$6.20
6"	X-TRA COARSE, brown	07-R 600	8,600	3,000	10	100	\$13.70
6"	COARSE, tan	07-R 602	8,600	to	10	100	\$13.25
6"	MEDIUM, maroon	07-R 603	8,600	6,500	10	100	\$10.20
6"	FINE, blue	07-R 604	8,600		10	100	\$10.20
7"	X-TRA COARSE, brown	07-R 700	6,800	2,500	10	100	\$16.40
7"	COARSE, tan	07-R 702	6,800	to	10	100	\$15.70
7"	MEDIUM, maroon	07-R 703	6,800	5,000	10	100	\$12.65
7"	FINE, blue	07-R 704	6,800		10	100	\$12.65

## QUICK-STEP FELT DISCS



Dia.	Order No.	Recommended RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	07-T 450	2,000 to 3,000	5	40	\$18.85
6"	07-T 600	2,000 to 3,000	5	40	\$26.60
7"	07-T 700	2,000 to 3,000	5	40	\$32.55

## QUICK-STEP HIGH POLISH DISCS



Dia.	Order No.	Recommended RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	07-T 454	2,000 to 3,000	10	100	\$9.20
<b>New</b> 5"	07-T 504	2,000 to 3,000	10	100	\$10.00
6"	07-T 604	2,000 to 3,000	10	100	\$14.20
7"	07-T 704	2,000 to 3,000	10	100	\$19.20

## QUICK-STEP INSTANT POLISH™ DISCS

One-Step solution to achieving a #8 mirror finish



Dia.	Order No.	Recommended RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	07-T 456	2,000 to 3,000	10	100	\$18.00
4 1/2"	07-T 457	2,000 to 3,000	2	20	\$19.00
5"	07-T 506	2,000 to 3,000	10	100	\$20.00
5"	07-T 507	2,000 to 3,000	2	20	\$21.00

## POLISHING PASTES



Name	Order No.	Weight approx.	Grit	Std. Ctn.	Price ea.
White paste	07-T 901	600 g	1200-1500	10	\$26.80
Blue paste	07-T 905	650 g	2000	10	\$26.80
<b>New</b> Instant polish paste	07-T 907	1200 g		5	\$38.00



- 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

*New packaging for best quality*

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



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



**NEW**

- ▷ Achieve a #8 mirror stainless steel finish in just one step
- ▷ The polishing paste is pre-applied on the disc
- ▷ Packed in resealable bag that preserves the disc from contaminants and drying



- ▷ 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





▷ *The answer to all your finishing needs, from weld blending to a #8 mirror finish*

## 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), 1 mini white paste (07-T 911), 1 mini blue paste (07-T 915)

Dia.	Arbor	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	07-Q 953	1	5	\$108.10

## QUICK-STEP™ FINISHER KIT

Cost effective and compact

You cannot go wrong with this finishing kit. Work more comfortably in awkward areas, finish at lower grinding speeds and get the most out of all your abrasives.



**Includes:** 1 QUICK-STEP Finisher (30-A 275) with standard equipment plus carrying case, 1 QUICK-STEP MG backing pad (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).

Model	Order No.	Disc dia.	RPM	Spindle thread	Motor	Amps	Weight	Price
6275 KIT	30-A 277	4 1/2"	2,000-7,000	5/8"-11	120V A.C. only	12.2	10.2 lbs	\$598.35

## QUICK-STEP™ BIG-BUFF KIT

Grind, sand, buff and polish with one tool

Specifically designed to get the most out of the QUICK-STEP system. From weld deburring through conditioning and weld surface preparation to a perfect mirror finish, this kit will meet all your expectations.

**Includes:** 1 QUICK-STEP MG backing pad (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 white polishing paste (07-T 901), 1 blue polishing paste (07-T 905), 1 quick-step big buff and carrying case (30-A 265)



Model	Order No.	dia.	RPM	thread	Motor	Amps	Weight	Price
6265 KIT	30-A 267	4 1/2"	2,000-7,300	5/8"-11	120V A.C. only	12.4	16 lbs	\$999.95

See Sander / Polisher features in power tool section on pages 152 and 153.

# BLENDEX U™

Superb versatility for deburring, blending and finishing!

The **BLENDEX™ Utilized Technology** is used for deburring, blending and finishing any kind of metal such as stainless steel, titanium, aluminum, alloys and even plastic and fibreglass.



## BLENDEX U CUP DISCS



Dia.	Arbor	Grade	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
4 1/2"	5/8"-11	3SF	07-U 451	10,500	6,000	5	20	\$40.80
5"	5/8"-11	3SF	07-U 501	10,500	6,000	5	20	\$47.15

## BLENDEX U WHEELS



Dia.	Width	Arbor	Grade	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	1/4"	3/8"	2SF	07-U 321	15,100	20	200	\$10.40
			6SF	07-U 322	18,100	20	200	\$13.00
			6AM	07-U 323	18,100	20	200	\$13.00
6"	1/4"	1"	2SF	07-U 621	5,000	5	40	\$31.25
			6SF	07-U 622	7,500	5	40	\$39.25
			6AM	07-U 623	7,500	5	40	\$39.25
6"	1/2"	1"	2SF	07-U 651	5,000	4	36	\$49.55
			6SF	07-U 652	7,500	4	36	\$64.70
			6AM	07-U 653	7,500	4	36	\$64.70
6"	1"	1"	2SF	07-U 611	5,000	2	16	\$103.90
			6SF	07-U 612	7,500	2	16	\$120.85
			6AM	07-U 613	7,500	2	16	\$120.85

See reducer bushings on page 62.

## BLENDEX U MOUNTED POINTS



Dia.	Length	Grade	Color	Order No.	Max RPM	Std. Pkg.	Price ea.
3/8"	1 1/4"	2SF	Orange	07-U 101	37,210	5	\$10.40
3/8"	1 1/4"	6SF	Red	07-U 102	37,210	5	\$10.25
3/8"	1 1/4"	6AM	Black	07-U 103	37,210	5	\$10.25

Also see BLENDEX U™ Twist discs.

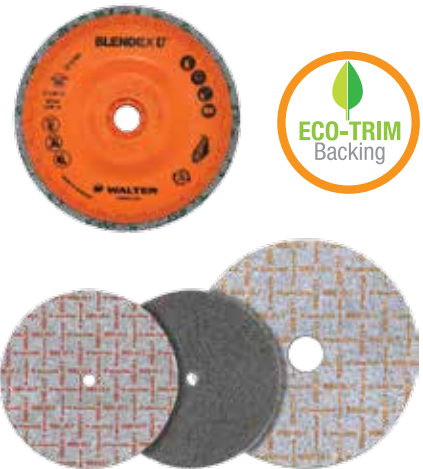
## FELT CUP DISC

Hard density felt disc for polishing applications



Dia.	Width	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
5"	1/2"	5/8"-11	07-T 505	10,500	2,000/4,000	5	20	\$25.00

- ▷ **Long lasting** The incredible resistance when working on sharp edges ensures maximum productivity
- ▷ **Superb finish** Consistent and uniform, as close as possible to a mirror finish without the use of pastes
- ▷ **Non loading** The BLENDEX structure provides a high resistance to loading which minimizes heat buildup and prolongs the life of the disc
- ▷ **Flexible** Choices of density: either soft with high comfortability or hard for demanding applications like deburring



- ▷ For use on portable or stationary machines
- ▷ Can be used on edge or either side of the wheel



- ▷ 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



- ▷ To be used with polishing pastes (See page 88)
- ▷ For use on angle grinders with a suitable speed range

# TWIST SURFACE FINISHING SYSTEM

**The quick-change TWIST system** makes changing discs on small air grinders easy and fast, eliminating downtime. Achieve the right finish, from sanitary to pharmaceutical to reflective or mirror finishes, quickly maximize your productivity with this system.

*Quick disc change  
between finishing steps*

**Simply twist any abrasive to backing pad and start finishing**

**Quickly interchange abrasives to achieve desired finish.**



## TWIST™ QUICK-CHANGE METAL SURFACE FINISHING SYSTEM

These backing pads are the heart of the TWIST system. They are available in two flexibility; orange medium flexibility for contour work and finer finishing. Black, harder for light weld removal and blending

### TWIST BACKING PADS

Dia.	Flexibility	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.	Price
2"	Medium	04-X 202	30,000	1	400	\$23.55
2"	Hard	04-X 203	30,000	1	400	\$23.55
3"	Medium	04-X 302	28,000	1	400	\$30.00
3"	Hard	04-X 303	28,000	1	400	\$30.00

Color code: Medium = orange, Hard = black



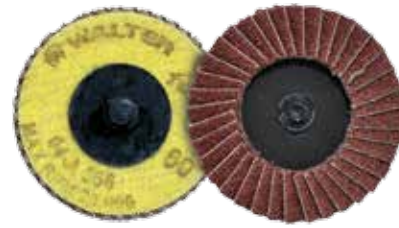
- ▷ Molded polyurethane construction
- ▷ Removable mandrel
- ▷ Surface design ensures uniform disc support

## TWIST FLAP DISCS



Dia.	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
2 1/2"	40	04-A 254	23,000	12,000	10	400	\$9.25
2 1/2"	60	04-A 256	23,000	12,000	10	400	\$9.25
2 1/2"	80	04-A 258	23,000	12,000	10	400	\$9.25
2 1/2"	120	04-A 262	23,000	12,000	10	400	\$9.25

Use with 2" backing pads



- ▷ Longest disc life and most consistent finish
- ▷ Very high removal rate
- ▷ One-step grinding and finishing

## TWIST TOPCUT sanding discs



Dia.	Grit	Colour	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
2"	36	Black	04-D 203	30,000	15,000	50	2000	\$1.35
2"	50	Yellow	04-D 205	30,000	15,000	50	2000	\$1.35
2"	60	Blue	04-D 206	30,000	15,000	50	2000	\$1.35
2"	80	Orange	04-D 208	30,000	15,000	50	2000	\$1.50
2"	100	Green	04-D 210	30,000	15,000	50	2000	\$1.50
2"	120	Beige	04-D 212	30,000	15,000	50	2000	\$1.50
3"	36	Black	04-D 303	28,000	14,000	50	1000	\$1.95
3"	50	Yellow	04-D 305	28,000	14,000	50	1000	\$1.95
3"	60	Blue	04-D 306	28,000	14,000	50	1000	\$1.85
3"	80	Orange	04-D 308	28,000	14,000	50	1000	\$1.85
3"	100	Green	04-D 310	28,000	14,000	50	1000	\$1.85
3"	120	Beige	04-D 312	28,000	14,000	50	1000	\$1.85



- ▷ High metal removal rate
- ▷ Long life due to special formulation
- ▷ Unique construction for optimal heat dissipation and wear resistance

### COLOR CODED FOR EASY IDENTIFICATION



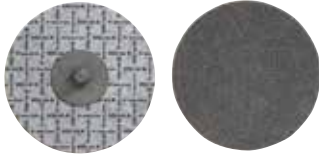
## TWIST BLENDEX CONDITIONING DISCS



Dia.	Grit	Color	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
2"	COARSE	Tan	04-G 202	30,000	15,000	25	1000	\$2.05
2"	MEDIUM	Maroon	04-G 203	30,000	15,000	25	1000	\$2.05
2"	FINE	Blue	04-G 204	30,000	15,000	25	1000	\$2.05
2"	SUPER FINE	Grey	04-G 205	30,000	15,000	25	1000	\$2.05
3"	COARSE	Tan	04-G 302	28,000	14,000	25	500	\$4.05
3"	MEDIUM	Maroon	04-G 303	28,000	14,000	25	500	\$4.05
3"	FINE	Blue	04-G 304	28,000	14,000	25	500	\$4.05
3"	SUPER FINE	Grey	04-G 305	28,000	14,000	25	500	\$4.05



- 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

### TWIST BLENDIX U DISCS



Dia.	Grade	Order No.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	2SF	04-U 321	15,100	10	100	<b>\$10.90</b>
3"	6SF	04-U 322	15,100	10	100	<b>\$13.25</b>
3"	6AM	04-U 323	15,100	10	100	<b>\$13.25</b>

- ▷ Designed for final cosmetic finishing
- ▷ 100% pure premium wool product



### TWIST FELT DISCS



Dia.	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.	Price ea.
2"	04-T 204	30,000	12,000	25	1000	<b>\$4.80</b>
3"	04-T 304	28,000	10,000	25	500	<b>\$7.75</b>

- ▷ Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants
- ▷ Suitable for use in food processing industries



### POLISHING PASTES



Name	Order No.	Weight approx.	Grit	Std. Ctn.	Price ea.
White paste	07-T 901	600 g	1200-1500	10	<b>\$26.80</b>
Blue paste	07-T 905	650 g	2000	10	<b>\$26.80</b>
<b>New</b> Instant polish paste	07-T 907	1200 g		10	<b>\$38.00</b>



- ▷ 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.	Price ea.
2"	04-L 200	30,000	12,000	10	400	<b>\$6.65</b>
3"	04-L 300	28,000	10,000	10	200	<b>\$11.80</b>

### TWIST STARTER KITS



**2" assortment:** Consists of 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 BLENDIX 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).

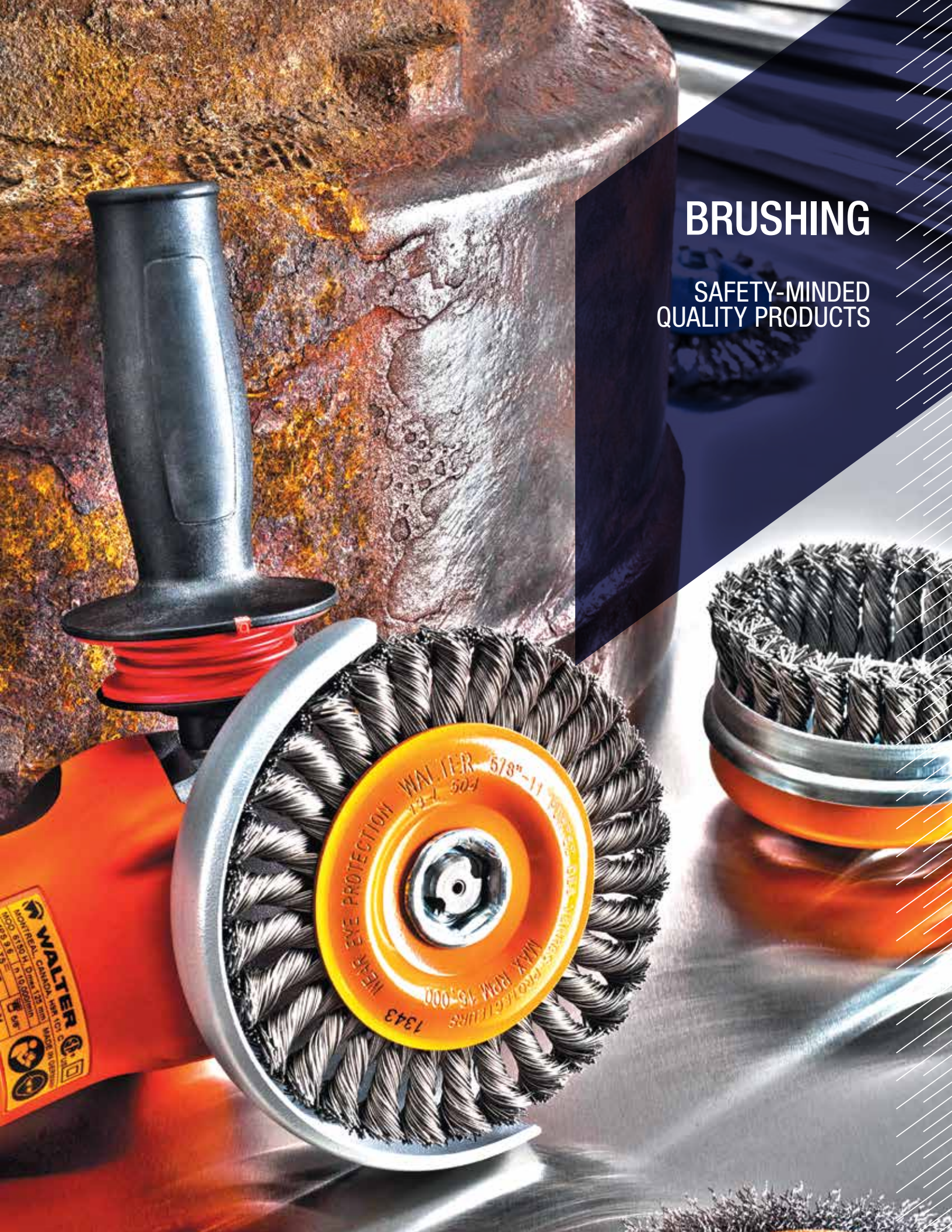
**Order No. 04-Z 992 - \$73.85**

**3" assortment:** Consists of 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 BLENDIX 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 - \$73.85**

# BRUSHING

SAFETY-MINDED  
QUALITY PRODUCTS



**WALTER**  
MONTREAL, CANADA  
1000, St-Jacques St. Est.  
1343  
SAFETY  
NEAR EYE PROTECTION  
MAX RPM 45000  
WALTER 578-11  
1343



## 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. Only the tips of the wire on a power brush hammer the metal surface like thousands of tiny ball peens to finish and work harden the surface.

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

Color coded hubs for easy identification

### Hub color Wire type



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



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

### Perfect Balance






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

*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 longest life. Wire quality is mill certified for every batch ensuring consistent top performance brush after brush.*

Choose the right wire brush for your application

POWER TOOL USED	TYPE OF BRUSH	BRUSH DIA.	COMPATIBLE GRINDER DIAMETER	WIRE CONSTRUCTION	APPLICATION	METAL
 Flat brushing	Wire cup brushes	3"	4", 4 1/2", 5", 6"	<b>Crimped</b>	For surface cleaning, brushing and finishing of large flat surfaces.	● ●
		4"	7", 9"	<b>Knot-Twisted</b>	For flat surface brushing and cleaning, rust and scale removal, weld and edge cleaning.	● ●
		5" 6"	7", 9" 9"	<b>Knot-Twisted with ring</b>	Heavy-duty cleaning with ticker wire and safety supporting ring.	● ●
 Angle brushing	Saucer-Cup brushes	4"	4", 4 1/2", 5"	<b>Knot-Twisted</b>	For weld cleaning and deburring in hard to reach places such as inside corners, edges and contours.	● ●
		5" 7"	5", 6" 7", 9"	<b>Crimped</b>	For cleaning wider root passes and rough surfaces. Can clean on both sides of a weld at the same time.	●
 Vertical brushing	Wire wheel brushes	4"	4", 4 1/2", 5"	<b>Stringer Bead</b>	For extra narrow cleaning, root passes on pipes, brushing in narrow grooves, etc.	● ●
		4 1/2" 5" 6", 6 7/8"	4 1/2", 5" 5", 6" 7", 9"	<b>Knot-Twisted</b>	For cleaning wider root passes as well as removing scale, spatter and corrosion.	● ●
 Vertical brushing	Wire wheel brushes	4" to 10"	All bench and pedestal grinders with suitable speed range	<b>Crimped</b>	For light deburring and similar cleaning jobs, to remove paint, rust, etc.	● ●
		<b>Knot-Twisted</b>	For heavy-duty applications such as removal of rust, corrosion and gasket.	● ●		
 Vertical brushing	Mounted brushes	3/4" to 3"	All die grinders with suitable speed range	<b>Crimped</b>	For cleaning hard to reach areas such as pipe interiors and confined spaces.	● ●
		<b>Knot-Twisted</b>	For heavy-duty applications such as removal of rust, corrosion and gasket.	● ●		



# WIRE CUP BRUSHES

For angle grinders

Designed for high performance brushing of large flat surfaces. They are made from top quality oil hardened and tempered wire for maximum operator safety and fast brushing action. All cup brushes are equipped with threaded arbors for quick and easy mounting.

## Crimped



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	M10 × 1.25	13-D 300	.0118"	12,000	1	10	\$18.70
3"	M14 × 2.0	13-D 302	.0118"	12,000	1	10	\$19.05
3"	5/8"-11	13-D 304	.0118"	12,000	1	10	\$18.80
5"	5/8"-11	13-E 504	.020"	10,000	1	10	\$34.90



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

## Crimped with ring



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	5/8"-11	13-D 324	.0118"	12,000	1	10	\$26.00
4"	5/8"-11	13-D 424	.0118"	10,000	1	10	\$31.45
5"	5/8"-11	13-D 524	.0118"	10,000	1	10	\$37.45



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

## Crimped



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	M14 × 2.0	13-D 312	.0118"	12,000	1	10	\$28.80
3"	5/8"-11	13-D 314	.0118"	12,000	1	10	\$28.80
5"	5/8"-11	13-E 514	.020"	10,000	1	10	\$78.60

### VIDEO



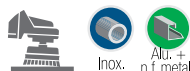
www.walter.com

## Knot-twisted



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	M10 × 1.25	13-F 300	.015"	12,000	1	10	\$20.95
3"	M10 × 1.5	13-F 301	.015"	12,000	1	10	\$20.95
3"	M14 × 2.0	13-F 302	.015"	12,000	1	10	\$20.95
3"	1/2"-13	13-F 303	.015"	12,000	1	10	\$20.95
3"	5/8"-11	13-F 304	.015"	12,000	1	10	\$20.95
3"	5/8"-11	13-F 354	.020"	12,000	1	10	\$20.95

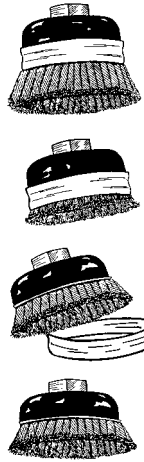
## Knot-twisted



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	M10 × 1.25	13-F 310	.015"	12,000	1	10	\$46.25
3"	M14 × 2.0	13-F 312	.015"	12,000	1	10	\$46.25
3"	5/8"-11	13-F 314	.015"	12,000	1	10	\$46.25



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



- ▷ *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*



## WIRE CUP BRUSHES

### *Knot-twisted with ring*



Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	M14 × 2.0	13-G 302	.020"	1/2"	12,000	1	10	\$28.80
3"	1/2"-13	13-G 303	.020"	1/2"	12,000	1	10	\$28.80
3"	5/8"-11	13-G 304	.020"	1/2"	12,000	1	10	\$28.80
4"	5/8"-11	13-G 404	.020"	1/2"	8,600	1	10	\$35.00
5"	5/8"-11	13-G 504	.020"	1/2"	8,600	1	10	\$41.75
5"	5/8"-11	13-G 554	.035"	1/2"	8,600	1	10	\$42.10
6"	5/8"-11	13-G 604	.020"	1/2"	6,800	1	10	\$50.80

### *Knot-twisted with ring*



Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
3"	M14 × 2.0	13-G 312	.020"	1/2"	12,000	1	10	\$55.65
3"	5/8"-11	13-G 314	.020"	1/2"	12,000	1	10	\$55.65
5"	5/8"-11	13-G 514	.020"	1/2"	8,600	1	10	\$95.00

### *Double-row knot-twisted cup brushes with ring*



Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
5"	5/8"-11	13-G 574	.020"	1"	8,600	1	10	\$64.25

### *Double-row knot-twisted cup brushes with ring*



Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
5"	5/8"-11	13-G 584	.020"	1"	8,600	1	10	\$128.50

# WIRE WHEEL BRUSHES

For angle grinders

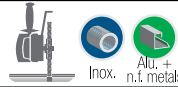
They are made from top quality wire that is tightly knotted and each tuft is precisely positioned and set for perfect balance and vibration-free operation. Improved construction ensures maximum operator safety and fast material removal.

## Stringer bead



Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	3/16"	5/8"-11	13-K 404	.020"	20,000	1	10	\$28.80
4 1/2"	3/16"	5/8"-11	13-K 454	.020"	15,000	1	10	\$29.85
5"	1/4"	5/8"-11	13-K 504	.020"	15,000	1	10	\$33.80
6"	1/4"	5/8"-11	13-K 604	.020"	10,000	1	10	\$35.55
6 7/8"	1/4"	5/8"-11	13-K 654	.020"	9,000	1	10	\$45.40

## Stringer bead



Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	3/16"	5/8"-11	13-K 414	.020"	20,000	1	10	\$37.65
4 1/2"	3/16"	5/8"-11	13-K 464	.020"	15,000	1	10	\$44.30
5"	1/4"	5/8"-11	13-K 514	.020"	15,000	1	10	\$52.50
6"	1/4"	5/8"-11	13-K 614	.020"	10,000	1	10	\$63.35

## Knot-twisted



Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	3/8"	5/8"-11	13-L 404	.020"	20,000	1	10	\$28.80
4 1/2"	3/8"	5/8"-11	13-L 454	.020"	15,000	1	10	\$31.05
5"	3/8"	5/8"-11	13-L 504	.020"	15,000	1	10	\$35.65
6"	3/8"	5/8"-11	13-L 604	.020"	10,000	1	10	\$35.65

## Knot-twisted



Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	3/8"	5/8"-11	13-L 414	.020"	20,000	1	10	\$38.75
4 1/2"	3/8"	5/8"-11	13-L 464	.020"	15,000	1	10	\$44.30
5"	3/8"	5/8"-11	13-L 514	.020"	15,000	1	10	\$53.65
6"	3/8"	5/8"-11	13-L 614	.020"	10,000	1	10	\$63.35



- ▷ Stringer bead brushes are extra narrow to clean pipe welds between passes, to brush in narrow grooves, etc.



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

# SAUCER-CUP BRUSHES

For angle grinders

These brushes combine the advantages of both wire cup and wire wheel brushes. They feature a unique saucer cup shape (built-in working angle of 45°) which allows them to work in hard to reach areas.

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

## Crimped



Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	5/8"-11	13-H 454	.012"	1/2"	12,500	1	10	\$20.40
5"	5/8"-11	13-H 554	.012"	3/4"	10,000	1	10	\$24.05
6"	5/8"-11	13-H 654	.012"	3/4"	9,000	1	10	\$32.15



## Knot-twisted



Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	5/8"-11	13-H 404	.015"	1/2"	20,000	1	10	\$23.95
5"	5/8"-11	13-H 504	.020"	1/2"	15,000	1	10	\$28.35
6"	5/8"-11	13-H 604	.020"	1/2"	12,500	1	10	\$35.30
7"	5/8"-11	13-H 704	.020"	1/2"	10,000	1	10	\$41.55



## Knot-twisted



Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	5/8"-11	13-H 414	.015"	20,000	1	10	\$41.00
5"	5/8"-11	13-H 514	.020"	15,000	1	10	\$50.20
6"	5/8"-11	13-H 614	.020"	12,500	1	10	\$60.00
7"	5/8"-11	13-H 714	.020"	10,000	1	10	\$65.55

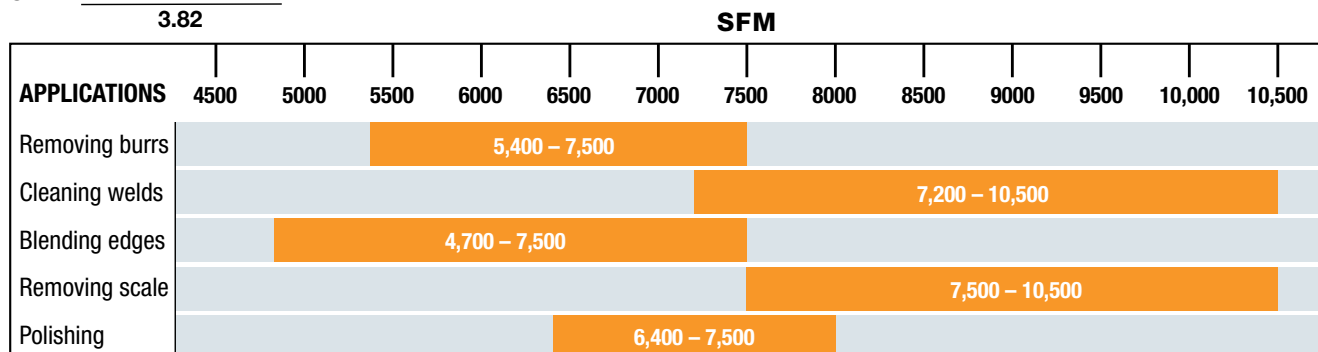


To convert brushes with 5/8"-11 arbor, please see page 159 for special threaded adaptors.

Choose the right speed for your application

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

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



## MOUNTED WIRE BRUSHES

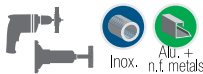
For die grinders, 1/4" shaft. All brushes have color-coded hubs for easy identification.

### Crimped



Type	Dia	Width	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
Straight	1/2"		13-C 003	.010"	25,000	1	10	\$10.20
Straight	1/2"		13-C 005	.020"	25,000	1	10	\$7.95
Straight	3/4"		13-C 008	.014"	25,000	1	10	\$12.35
Conical	3/4"		13-C 028	.014"	25,000	1	10	\$18.20
Wheel	1 3/8"	1/4"	13-C 110	.008"	25,000	1	10	\$11.80
Wheel	2"	5/8"	13-C 120	.0118"	25,000	1	10	\$11.80
Wheel	3"	1/4"	13-C 123	.0118"	12,000	1	10	\$12.75
Wheel	3"	3/4"	13-C 125	.0118"	12,000	1	10	\$12.85
Wheel	4"	1/4"	13-C 128	.0118"	6,000	1	10	\$13.60
Cup	1 1/2"		13-C 015	.0118"	13,000	1	10	\$12.85
Cup	2 3/8"		13-C 018	.0118"	13,000	1	10	\$18.20

### Crimped



Type	Dia.	Width	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
Straight	1/2"		13-C 053	.010"	25,000	1	10	\$17.70
Straight	1/2"		13-C 055	.020"	25,000	1	10	\$13.25
Straight	3/4"		13-C 058	.014"	25,000	1	10	\$20.60
Wheel	1 3/8"	1/4"	13-C 160	.008"	25,000	1	10	\$14.75
Wheel	2"	5/8"	13-C 170	.0118"	25,000	1	10	\$15.00
Wheel	3"	1/4"	13-C 173	.0118"	12,000	1	10	\$15.70
Wheel	3"	3/4"	13-C 175	.0118"	12,000	1	10	\$21.95
Wheel	4"	1/4"	13-C 178	.0118"	6,000	1	10	\$22.45
Cup	1 1/2"		13-C 065	.0118"	13,000	1	10	\$18.20
Cup	2 3/8"		13-C 068	.0118"	13,000	1	10	\$26.20

### Knot-twisted



Type	Dia.	Width	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
Straight	1 1/8"		13-C 020	.020"	25,000	1	10	\$23.55
Wheel	2 3/4"	3/8"	13-C 130	.020"	25,000	1	10	\$18.20
Saucer-cup	3"	1/2"	13-C 270	.020"	25,000	1	10	\$19.30
Cup	3"	1/2"	13-C 370	.020"	12,000	1	10	\$19.30

### Knot-twisted



Type	Dia.	Width	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
Straight	1 1/8"		13-C 070	.020"	25,000	1	10	\$35.35
Wheel	2 3/4"	3/8"	13-C 180	.020"	25,000	1	10	\$30.00

### Double sided knot-twisted



Type	Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
Wheel	3"	3/8"	3/8" - 1/2"	13-C 303	.0118"	25,000	1	10	\$15.20
Wheel	4"	3/8"	1/2" - 5/8"	13-C 404	.0118"	20,000	1	10	\$17.40

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



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



▷ Knot-twisted wire for heavy-duty brushing such as deburring, removing heavy rust and corrosion, etc.



Mandrel shown on picture sold separately.

## WIRE WHEEL BRUSHES

For bench and pedestal grinders

These brushes are made from industrial quality wire perfectly balanced for smooth running 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	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
4"	3/4"	1/2"	13-B 040	.0118"	6,000	1	10	\$15.00
6"	3/4"	1 1/4"*	13-B 065	.0118"	6,000	1	10	\$38.30
6"	7/8"	1 1/4"*	13-B 060	.0118"	6,000	1	10	\$25.20
6"	1 1/8"	1 1/4" *	13-B 061	.0118"	6,000	1	10	\$38.30
7"	3/4"	1 1/4" *	13-B 075	.0118"	6,000	1	10	\$39.30
7"	7/8"	1 1/4" *	13-B 070	.0118"	6,000	1	10	\$38.30
8"	3/4"	1 1/4" *	13-B 085	.0118"	4,500	1	10	\$43.95
8"	1"	1 1/4" *	13-B 080	.0118"	4,500	1	10	\$44.15
10"	1"	1 1/4" *	13-B 100	.0118"	3,600	1	10	\$65.35



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

### Crimped



Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
6"	3/4"	1 1/4" *	13-B 165	.0118"	6,000	1	10	\$57.25
6"	7/8"	1 1/4" *	13-B 160	.0118"	6,000	1	10	\$57.80
8"	3/4"	1 1/4" *	13-B 185	.0118"	4,500	1	10	\$87.80
8"	1"	1 1/4" *	13-B 180	.0118"	4,500	1	10	\$88.85

\* 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".

#### Accessory

#### Replacement set of bushings

Complete set **Order No. 13-B 015 - \$3.20**

### Knot-twisted



Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.	Price ea.
6"	5/8"	1 1/4" **	13-B 260	.0118"	9,000	1	10	\$41.20
8"	5/8"	1 1/4" **	13-B 280	.0118"	8,500	1	10	\$48.85

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





# TOOLING

HEAVY-DUTY PRECISION  
DRILLING TOOLS

WALTER SST 21/44

# How to choose the right drill bit

**For drilling holes smaller than 1/2 in. <sup>(1)</sup>**

Type of power tool	Material to drill	Thickness of material <sup>(2)</sup>	Required drill bit	Why?
Press drill, 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	Best grip on your powertool, allows you to drill fast and precise.
	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 tool	Mild steel	< 1/2"	SST 118° Jobbers Quick Shank	Best grip for hand held tools. Allows you to drill in a hard to reach area, fast and precise.
		> 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 118° Jobbers Quick Shank	Best grip for hand held tools. Allows you to drill in a hard to reach area, fast and precise.
		> 1/2"	SST+ 135° Jobbers Round Shank	Most effective in thick material, won't break if you get stuck.

## <sup>(1)</sup> Tech tip!

For drilling bigger holes, use a reduced shank or a Prentice drill bit

## <sup>(2)</sup> Tech tip!

You shouldn't drill deeper than 1/2 of the drill bit's fluting length to have the best drilling performance

### All Walter's drill bits have:

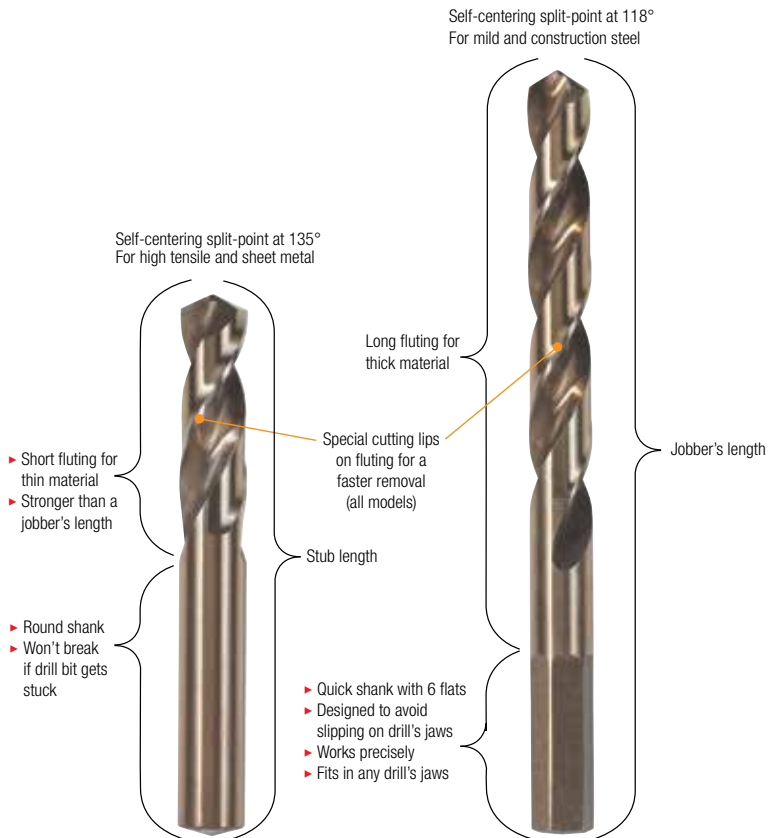
- ▷ State of the art self-centering split point that can allow you to drill directly to the size needed without any pre-drilling
- ▷ Heavy-duty, fully ground body construction
- ▷ Highest performance due to HSS with cobalt blend
- ▷ Special bronze SST heat and surface treatment
- ▷ High flow spiral design for the fastest chip evacuation

## Tech tip!

Three major factors for the best and most efficient drilling:

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

**Order No.:** 53-B 013





# SST™ 118° JOBBERS LENGTH FRACTIONAL Quick shank drill bits

For hand held tools in mild steel

The proven original SST drill bit, made with a 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 multi-layers of metal quickly and easily.

- ▷ Unique shank design with six long flats
- ▷ Self-centering 118° split point geometry
- ▷ Special bronze SST surface treatment
- ▷ Back tapered body
- ▷ Heavy-duty HSS body construction



Drill Size	Flute Length	Overall Length	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1/16"	3/16"	13/16"	01-A 004	10	100	\$2.65
5/64"	15/16"	1 15/16"	01-A 005	10	100	\$2.65
3/32"	1 3/16"	2 1/4"	01-A 006	10	100	\$2.65
7/64"	1 5/16"	2 3/8"	01-A 007	10	100	\$2.90
1/8"	1 7/16"	2 9/16"	01-A 008	10	100	\$3.10
9/64"	1 9/16"	2 3/4"	01-A 009	10	100	\$3.15
5/32"	1 11/16"	2 15/16"	01-A 010	10	100	\$3.50
11/64"	1 7/8"	3 1/8"	01-A 011	10	100	\$3.60
3/16"	2 1/16"	3 3/8"	01-A 012	10	100	\$4.80
13/64"	2 1/16"	3 3/8"	01-A 013	10	100	\$5.40
7/32"	2 1/4"	3 11/16"	01-A 014	10	100	\$5.85
15/64"	2 1/4"	3 11/16"	01-A 015	10	100	\$6.15
1/4"	2 1/2"	4"	01-A 016	10	100	\$7.00
17/64"	2 11/16"	4 5/16"	01-A 017	10	100	\$8.15
9/32"	2 11/16"	4 5/16"	01-A 018	10	100	\$8.35
19/64"	2 15/16"	4 5/8"	01-A 019	10	100	\$9.75
5/16"	2 15/16"	4 5/8"	01-A 020	10	100	\$10.35
21/64"	2 15/16"	4 5/8"	01-A 021	10	100	\$12.05
11/32"	3 3/16"	4 15/16"	01-A 022	10	100	\$13.05
23/64"	3 3/16"	4 15/16"	01-A 023	10	100	\$14.80
3/8"	3 7/16"	5 1/4"	01-A 024	10	100	\$14.70
25/64"	3 7/16"	5 1/4"	01-A 025	5	50	\$17.40
13/32"	3 7/16"	5 1/4"	01-A 026	5	50	\$17.80
27/64"	3 11/16"	5 9/16"	01-A 027	5	50	\$19.40
7/16"	3 11/16"	5 9/16"	01-A 028	5	50	\$20.50
29/64"	3 11/16"	5 9/16"	01-A 029	5	50	\$22.75
15/32"	4"	5 15/16"	01-A 030	5	50	\$24.50
31/64"	4"	5 15/16"	01-A 031	5	50	\$25.60
1/2"	4"	5 15/16"	01-A 032	5	50	\$25.60

Packaged in reusable plastic boxes.  
 Sizes 11/64" and smaller have a round shank.

*Quick Shank  
 Drop-in. Tighten. Drill.  
 It won't slip.*

Shock-resistant, extra-thick polyethylene drill bit carrying case

1/16" to 1/2" by 64ths  
 29 drill bits  
 Order No. 01-E 118  
**\$298.85**



**Tech tip!**

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

Order No.: 53-B 013

VIDEO



www.walter.com

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

For high tensile steel

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



Drill Size	Flute Length	Overall Length	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1/64"	3/16"	1 3/16"	01-A 501	10	100	\$2.65
1/32"	3/8"	1 3/4"	01-A 502	10	100	\$2.65
3/64"	5/8"	1 1/2"	01-A 503	10	100	\$2.65
1/16"	1 3/16"	1 11/16"	01-A 504	10	100	\$2.65
5/64"	1 5/16"	1 15/16"	01-A 505	10	100	\$2.65
3/32"	1 3/4"	2 1/4"	01-A 506	10	100	\$2.65
7/64"	1 5/16"	2 3/8"	01-A 507	10	100	\$3.00
1/8"	1 7/16"	2 9/16"	01-A 508	10	100	\$3.00
9/64"	1 9/16"	2 3/4"	01-A 509	10	100	\$3.10
5/32"	1 11/16"	2 15/16"	01-A 510	10	100	\$3.55
11/64"	1 7/8"	3 1/8"	01-A 511	10	100	\$3.65
3/16"	2 1/16"	3 3/8"	01-A 512	10	100	\$4.20
13/64"	2 1/16"	3 3/8"	01-A 513	10	100	\$4.80
7/32"	2 1/4"	3 11/16"	01-A 514	10	100	\$5.25
15/64"	2 1/4"	3 11/16"	01-A 515	10	100	\$5.45
1/4"	2 1/2"	4"	01-A 516	10	100	\$6.25
17/64"	2 11/16"	4 5/16"	01-A 517	10	100	\$7.40
9/32"	2 11/16"	4 5/16"	01-A 518	10	100	\$7.60
19/64"	2 15/16"	4 5/8"	01-A 519	10	100	\$8.85
5/16"	2 15/16"	4 5/8"	01-A 520	10	100	\$9.45
21/64"	2 15/16"	4 5/8"	01-A 521	10	100	\$11.00
11/32"	3 3/16"	4 15/16"	01-A 522	10	100	\$11.90
23/64"	3 3/16"	4 15/16"	01-A 523	10	100	\$13.35
3/8"	3 7/16"	5 1/4"	01-A 524	10	100	\$13.40
25/64"	3 7/16"	5 1/4"	01-A 525	5	50	\$15.85
13/32"	3 7/16"	5 1/4"	01-A 526	5	50	\$16.15
27/64"	3 11/16"	5 9/16"	01-A 527	5	50	\$17.80
7/16"	3 11/16"	5 9/16"	01-A 528	5	50	\$18.80
29/64"	3 11/16"	5 9/16"	01-A 529	5	50	\$20.70
15/32"	4"	5 15/16"	01-A 530	5	50	\$22.30
31/64"	4"	5 15/16"	01-A 531	5	50	\$23.30
1/2"	4"	5 15/16"	01-A 532	5	50	\$23.40

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



- ▷ Self-centering 135° split point geometry
- ▷ Special bronze SST surface treatment
- ▷ Heavy-duty fully ground body construction
- ▷ High flow flute design



1/16" to 1/2" by 64ths  
 29 drill bits  
**Order No. 01-E 618**  
**\$272.35**

*Shock-resistant, extra-thick polyethylene drill bit carrying case*

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

# SST+™ 135° JOBBERS LENGTH METRIC AND LETTER SIZES Round shank drill bits

For high tensile steel



## Metric sizes

Drill size (mm)	Flute length (mm)	Overall length (mm)	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1.00	12	34	01-D 510	10	100	\$2.10
1.25	16	38	01-D 512	10	100	\$2.10
1.50	20	43	01-D 515	10	100	\$2.10
1.75	22	46	01-D 517	10	100	\$2.10
2.00	24	49	01-D 520	10	100	\$2.20
2.25	27	53	01-D 522	10	100	\$2.20
2.50	30	57	01-D 525	10	100	\$2.30
2.75	33	61	01-D 527	10	100	\$2.85
2.90	33	61	01-D 529	10	100	\$2.85
3.00	33	61	01-D 530	10	100	\$2.95
3.25	36	65	01-D 532	10	100	\$3.15
3.30	36	65	01-D 533	10	100	\$3.30
3.50	39	70	01-D 535	10	100	\$3.30
3.75	39	70	01-D 537	10	100	\$3.70
4.00	43	75	01-D 540	10	100	\$3.85
4.20	43	75	01-D 542	10	100	\$3.95
4.25	43	75	01-D 543	10	100	\$3.95
4.50	47	80	01-D 545	10	100	\$3.95
4.75	47	80	01-D 547	10	100	\$4.80
5.00	52	86	01-D 550	10	100	\$4.80
5.25	52	86	01-D 552	10	100	\$6.70
5.50	57	93	01-D 555	10	100	\$6.80
5.75	57	93	01-D 557	10	100	\$8.15
6.00	57	93	01-D 560	10	100	\$8.10
6.25	63	101	01-D 562	10	100	\$9.35
6.50	63	101	01-D 565	10	100	\$9.55
6.70	63	101	01-D 567	10	100	\$9.50
6.75	69	109	01-D 568	10	100	\$9.50

## Letter sizes

Drill size	Flute length	Overall length	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
F	2 1/2"	4"	01-C 506	10	100	\$8.00
I	2 3/4"	4 1/4"	01-C 509	10	100	\$10.35
Q	3"	4 5/8"	01-C 517	10	100	\$16.30
U	3 3/16"	4 15/16"	01-C 521	10	100	\$17.00

Packaged in reusable plastic packaging.

Drill size (mm)	Flute length (mm)	Overall length (mm)	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
7.00	69	109	01-D 570	10	100	\$9.80
7.25	69	109	01-D 572	10	100	\$9.70
7.50	69	109	01-D 575	10	100	\$10.05
7.75	75	117	01-D 577	10	100	\$11.65
8.00	75	117	01-D 580	10	100	\$11.65
8.25	75	117	01-D 582	10	100	\$11.65
8.50	75	117	01-D 585	10	100	\$11.90
8.75	81	125	01-D 587	10	100	\$13.50
9.00	81	125	01-D 590	10	100	\$13.65
9.25	81	125	01-D 592	10	100	\$14.80
9.50	81	125	01-D 595	10	100	\$15.10
9.75	87	133	01-D 597	5	100	\$15.45
10.00	87	133	01-D 600	5	50	\$15.95
10.20	87	133	01-D 602	5	50	\$16.20
10.25	87	133	01-D 603	5	50	\$16.20
10.50	87	133	01-D 605	5	50	\$16.80
10.75	94	142	01-D 607	5	50	\$19.80
11.00	94	142	01-D 610	5	50	\$20.10
11.25	94	142	01-D 612	5	50	\$22.45
11.50	94	142	01-D 615	5	50	\$22.45
11.75	101	151	01-D 617	5	50	\$24.65
12.00	101	151	01-D 620	5	50	\$25.25
12.25	101	151	01-D 622	5	50	\$26.90
12.50	101	151	01-D 625	5	50	\$27.45
12.75	101	151	01-D 627	5	50	\$28.20
13.00	101	151	01-D 630	5	50	\$28.90

Packaged in reusable plastic packaging.

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

For high tensile steel for electricians



*Packaged in reusable plastic packaging.  
Sizes #53 to #60 have a regular point.*

Drill Size	Flute Length	Overall Length	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1	2 1/4"	3 11/16"	01-B 501	10	100	\$6.80
2	2 1/4"	3 11/16"	01-B 502	10	100	\$6.90
3	2 1/4"	3 11/16"	01-B 503	10	100	\$6.90
4	2 1/16"	3 3/8"	01-B 504	10	100	\$6.90
5	2 1/16"	3 3/8"	01-B 505	10	100	\$6.90
6	2 1/16"	3 3/8"	01-B 506	10	100	\$6.90
7	2 1/16"	3 3/8"	01-B 507	10	100	\$5.55
8	2 1/16"	3 3/8"	01-B 508	10	100	\$5.55
9	2 1/16"	3 3/8"	01-B 509	10	100	\$5.55
10	2 1/16"	3 3/8"	01-B 510	10	100	\$5.55
11	2 1/16"	3 3/8"	01-B 511	10	100	\$5.55
12	2 1/16"	3 3/8"	01-B 512	10	100	\$5.55
13	1 7/8"	3 1/8"	01-B 513	10	100	\$5.25
14	1 7/8"	3 1/8"	01-B 514	10	100	\$5.25
15	1 7/8"	3 1/8"	01-B 515	10	100	\$5.25
16	1 7/8"	3 1/8"	01-B 516	10	100	\$4.80
17	1 7/8"	3 1/8"	01-B 517	10	100	\$4.80
18	1 7/8"	3 1/8"	01-B 518	10	100	\$4.40
19	1 11/16"	2 15/16"	01-B 519	10	100	\$4.40
20	1 11/16"	2 15/16"	01-B 520	10	100	\$4.40
21	1 11/16"	2 15/16"	01-B 521	10	100	\$4.40
22	1 11/16"	2 15/16"	01-B 522	10	100	\$4.25
23	1 11/16"	2 15/16"	01-B 523	10	100	\$4.25
24	1 11/16"	2 15/16"	01-B 524	10	100	\$4.25
25	1 11/16"	2 15/16"	01-B 525	10	100	\$4.25
26	1 9/16"	2 3/4"	01-B 526	10	100	\$4.10
27	1 9/16"	2 3/4"	01-B 527	10	100	\$4.10
28	1 9/16"	2 3/4"	01-B 528	10	100	\$3.35
29	1 9/16"	2 3/4"	01-B 529	10	100	\$3.35
30	1 7/16"	2 9/16"	01-B 530	10	100	\$3.35
31	1 5/16"	2 3/8"	01-B 531	10	100	\$3.35
32	1 5/16"	2 3/8"	01-B 532	10	100	\$3.35
33	1 5/16"	2 3/8"	01-B 533	10	100	\$3.35
34	1 5/16"	2 3/8"	01-B 534	10	100	\$3.35
35	1 5/16"	2 3/8"	01-B 535	10	100	\$3.35
36	1 5/16"	2 3/8"	01-B 536	10	100	\$3.35
37	1 3/16"	2 1/4"	01-B 537	10	100	\$3.20
38	1 3/16"	2 1/4"	01-B 538	10	100	\$3.20
39	1 3/16"	2 1/4"	01-B 539	10	100	\$3.20
40	1 3/16"	2 1/4"	01-B 540	10	100	\$3.20
41	1 3/16"	2 1/4"	01-B 541	10	100	\$3.20
42	1 3/16"	2 1/4"	01-B 542	10	100	\$3.20
43	1 1/16"	2 1/16"	01-B 543	10	100	\$3.20
44	1 1/16"	1 15/16"	01-B 544	10	100	\$3.20
45	15/16"	1 15/16"	01-B 545	10	100	\$3.20
46	15/16"	1 15/16"	01-B 546	10	100	\$3.20
47	15/16"	1 15/16"	01-B 547	10	100	\$3.20
48	7/8"	1 13/16"	01-B 548	10	100	\$3.20
49	7/8"	1 13/16"	01-B 549	10	100	\$3.20
50	7/8"	1 13/16"	01-B 550	10	100	\$3.20
51	13/16"	1 11/16"	01-B 551	10	100	\$3.20
52	13/16"	1 11/16"	01-B 552	10	100	\$3.20
53	11/16"	1 9/16"	01-B 553	10	100	\$3.20
54	11/16"	1 9/16"	01-B 554	10	100	\$3.20
55	5/8"	1 1/2"	01-B 555	10	100	\$3.20
56	5/8"	1 1/2"	01-B 556	10	100	\$3.20
57	9/16"	1 7/16"	01-B 557	10	100	\$3.30
58	1/2"	1 5/16"	01-B 558	10	100	\$3.30
59	1/2"	1 5/16"	01-B 559	10	100	\$3.30
60	1/2"	1 5/16"	01-B 560	10	100	\$3.25

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

## Round shank stub drill bits

For thin gauge material and sheet metal

The most effective double-ended drill bit available that can allow you to drill hundreds of holes faster than any one 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 aeronautical purposes, for a rivet hole or simply to double the life of your current stub length drill bit, the ultimate effectiveness is now offered to you on a silver plate.



### Fractional sizes

Drill Size	Flute Length	Overall Length	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1/16"	23/64"	1 1/2"	01-K 004	10	100	\$4.30
5/64"	23/64"	1 1/2"	01-K 005	10	100	\$4.40
3/32"	25/64"	1 11/16"	01-K 006	10	100	\$4.55
7/64"	7/16"	1 13/16"	01-K 007	10	100	\$4.95
1/8"	15/32"	1 59/64"	01-K 008	10	100	\$4.35
9/64"	35/64"	2 3/64"	01-K 009	10	100	\$4.85
5/32"	35/64"	2 11/64"	01-K 010	10	100	\$5.30
11/64"	5/8"	2 9/32"	01-K 011	10	100	\$6.20
3/16"	11/16"	2 7/16"	01-K 012	10	100	\$6.70
13/64"	11/16"	2 7/16"	01-K 013	10	100	\$7.50
7/32"	3/4"	2 19/32"	01-K 014	10	100	\$8.10
15/64"	3/4"	2 19/32"	01-K 015	10	100	\$9.15
1/4"	53/64"	2 3/4"	01-K 016	10	100	\$9.70

- ▷ Self-centering 135° split point geometry
- ▷ Special bronze SST surface and heat treatment
- ▷ Back tapered body
- ▷ Heavy-duty HSS body construction
- ▷ Split point on both sides for a double lifespan and quick exchange

### Corresponding rivet sizes

Drill Size	For Rivet Size	Flute Length	Overall Length	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
F	1/4"	1 7/64"	4 1/64"	01-K 206	10	100	\$9.25
#1	7/32"	3/4"	2 19/32"	01-K 101	10	100	\$7.00
#10	3/16"	11/16"	2 7/16"	01-K 110	10	100	\$6.60
#20	5/32"	5/8"	2 9/32"	01-K 120	10	100	\$5.15
#30	1/8"	35/64"	2 3/64"	01-K 130	10	100	\$5.10
#40	9/32"	7/16"	1 13/16"	01-K 140	10	100	\$4.95
#51	1/16"	25/64"	1 11/16"	01-K 151	10	100	\$4.55



## 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. Its split point of 135° allows for positive drilling without center-punching and its short length gives high resistance to breakage and allows for drilling in confined spaces.



- ▷ Self-centering 135° split point geometry
- ▷ Special bronze SST surface treatment
- ▷ Back tapered body
- ▷ Heavy-duty HSS body construction
- ▷ Unique shank design with six long flats

### 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.	Min. Pkg.	Std. Ctn.	Price ea.
1/16"	3/8"	1 5/16"	01-H 004	10	100	\$2.85
5/64"	1/2"	1 1/2"	01-H 005	10	100	\$2.85
3/32"	9/16"	1 11/16"	01-H 006	10	100	\$2.85
7/64"	5/8"	1 13/16"	01-H 007	10	100	\$2.85
1/8"	11/16"	1 15/16"	01-H 108	10	100	\$3.20
9/64"	13/16"	2 1/16"	01-H 109	10	100	\$3.40
5/32"	7/8"	2 3/16"	01-H 110	10	100	\$3.70
11/64"	15/16"	2 5/16"	01-H 111	10	100	\$4.25
3/16"	1"	2 7/16"	01-H 112	10	100	\$4.65
13/64"	1"	2 7/16"	01-H 113	10	100	\$4.80
7/32"	1 1/8"	2 5/8"	01-H 114	10	100	\$5.55
15/64"	1 1/8"	2 5/8"	01-H 115	10	100	\$5.90
1/4"	1 1/4"	2 3/4"	01-H 116	10	100	\$6.15
17/64"	1 5/16"	2 15/16"	01-H 117	10	100	\$8.15
9/32"	1 5/16"	2 15/16"	01-H 118	10	100	\$8.65
19/64"	1 5/16"	2 15/16"	01-H 119	10	100	\$9.45
5/16"	1 7/16"	3 1/8"	01-H 120	10	100	\$9.45
21/64"	1 7/16"	3 1/8"	01-H 121	10	100	\$11.70
11/32"	1 9/16"	3 5/16"	01-H 122	10	100	\$13.35
23/64"	1 9/16"	3 5/16"	01-H 123	10	100	\$14.25
3/8"	1 11/16"	3 1/2"	01-H 124	10	100	\$14.25
25/64"	1 11/16"	3 1/2"	01-H 125	5	50	\$17.90
13/32"	1 11/16"	3 1/2"	01-H 126	5	50	\$18.80
27/64"	1 7/8"	3 3/4"	01-H 127	5	50	\$20.05
7/16"	1 7/8"	3 3/4"	01-H 128	5	50	\$20.05
29/64"	1 7/8"	3 3/4"	01-H 129	5	50	\$26.05
15/32"	2"	4"	01-H 130	5	50	\$26.55
31/64"	2"	4"	01-H 131	5	50	\$26.55
1/2"	2"	4"	01-H 132	5	50	\$26.55

Packaged in reusable plastic packaging.

Sizes 11/64" 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 for a longer life.



- ▷ 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.	Min. Pkg.	Std. Ctn.	Price ea.
1/16"	3/8"	1 5/16"	01-H 004	10	100	\$2.85
5/64"	1/2"	1 1/2"	01-H 005	10	100	\$2.85
3/32"	9/16"	1 11/16"	01-H 006	10	100	\$2.85
7/64"	5/8"	1 13/16"	01-H 007	10	100	\$2.85
1/8"	11/16"	1 15/16"	01-H 008	10	100	\$2.85
9/64"	13/16"	2 1/16"	01-H 009	10	100	\$3.00
5/32"	7/8"	2 3/16"	01-H 010	10	100	\$3.35
11/64"	15/16"	2 5/16"	01-H 011	10	100	\$3.70
3/16"	1"	2 7/16"	01-H 012	10	100	\$4.10
13/64"	1"	2 7/16"	01-H 013	10	100	\$4.20
7/32"	1 1/8"	2 5/8"	01-H 014	10	100	\$4.95
15/64"	1 1/8"	2 5/8"	01-H 015	10	100	\$5.20
1/4"	1 1/4"	2 3/4"	01-H 016	10	100	\$5.40
17/64"	1 5/16"	2 15/16"	01-H 017	10	100	\$7.30
9/32"	1 5/16"	2 15/16"	01-H 018	10	100	\$7.60
19/64"	1 5/16"	2 15/16"	01-H 019	10	100	\$8.30
5/16"	1 7/16"	3 1/8"	01-H 020	10	100	\$8.30
21/64"	1 7/16"	3 1/8"	01-H 021	10	100	\$10.30
11/32"	1 9/16"	3 5/16"	01-H 022	10	100	\$11.70
23/64"	1 9/16"	3 5/16"	01-H 023	10	100	\$12.60
3/8"	1 11/16"	3 1/2"	01-H 024	10	100	\$12.60
25/64"	1 11/16"	3 1/2"	01-H 025	5	50	\$15.75
13/32"	1 11/16"	3 1/2"	01-H 026	5	50	\$16.70
27/64"	1 7/8"	3 3/4"	01-H 027	5	50	\$17.55
7/16"	1 7/8"	3 3/4"	01-H 028	5	50	\$17.55
29/64"	1 7/8"	3 3/4"	01-H 029	5	50	\$22.05
15/32"	2"	4"	01-H 030	5	50	\$22.35
31/64"	2"	4"	01-H 031	5	50	\$23.25
1/2"	2"	4"	01-H 032	5	50	\$23.25

Packaged in reusable plastic packaging.

## Wire gauge sizes

Drill size	Flute length	Overall length	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1	1 1/8"	2 5/8"	01-J 001	10	100	\$5.55
2	1 1/8"	2 5/8"	01-J 002	10	100	\$5.55
3	1 1/8"	2 5/8"	01-J 003	10	100	\$5.15
4	1"	2 7/16"	01-J 004	10	100	\$5.15
5	1"	2 7/16"	01-J 005	10	100	\$5.15
6	1"	2 7/16"	01-J 006	10	100	\$5.15
7	1"	2 7/16"	01-J 007	10	100	\$4.35
8	1"	2 7/16"	01-J 008	10	100	\$4.35
9	1"	2 7/16"	01-J 009	10	100	\$4.35
10	1"	2 7/16"	01-J 010	10	100	\$4.35
11	1"	2 7/16"	01-J 011	10	100	\$4.35
12	1"	2 7/16"	01-J 012	10	100	\$4.35
13	15/16"	2 5/16"	01-J 013	10	100	\$4.35
14	15/16"	2 5/16"	01-J 014	10	100	\$4.35
15	15/16"	2 5/16"	01-J 015	10	100	\$4.35
16	15/16"	2 5/16"	01-J 016	10	100	\$4.35
17	15/16"	2 5/16"	01-J 017	10	100	\$4.20
18	15/16"	2 5/16"	01-J 018	10	100	\$3.70
19	7/8"	2 3/16"	01-J 019	10	100	\$3.70
20	7/8"	2 3/16"	01-J 020	10	100	\$3.70
21	7/8"	2 3/16"	01-J 021	10	100	\$3.65
22	7/8"	2 3/16"	01-J 022	10	100	\$3.65
23	7/8"	2 3/16"	01-J 023	10	100	\$3.65
24	7/8"	2 3/16"	01-J 024	10	100	\$3.65
25	7/8"	2 3/16"	01-J 025	10	100	\$3.55
26	7/8"	2 3/16"	01-J 026	10	100	\$3.55
27	13/16"	2 1/16"	01-J 027	10	100	\$3.55
28	13/16"	2 1/16"	01-J 028	10	100	\$3.25
29	13/16"	2 1/16"	01-J 029	10	100	\$2.95
30	11/16"	1 15/16"	01-J 030	10	100	\$2.95
31	5/8"	1 13/16"	01-J 031	10	100	\$2.85
32	5/8"	1 13/16"	01-J 032	10	100	\$2.95
33	5/8"	1 13/16"	01-J 033	10	100	\$2.85
34	5/8"	1 13/16"	01-J 034	10	100	\$2.95
35	5/8"	1 13/16"	01-J 035	10	100	\$2.85
36	5/8"	1 13/16"	01-J 036	10	100	\$2.95
37	9/16"	1 11/16"	01-J 037	10	100	\$2.95
38	9/16"	1 11/16"	01-J 038	10	100	\$2.85
39	9/16"	1 11/16"	01-J 039	10	100	\$2.85
40	9/16"	1 11/16"	01-J 040	10	100	\$2.95

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.	Min. Pkg.	Std. Ctn.	Price ea.
25/64"	3 7/16"	5 1/4"	01-R 225	5	50	\$20.75
13/32"	3 7/16"	5 1/4"	01-R 226	5	50	\$21.60
27/64"	3 11/16"	5 1/2"	01-R 227	5	50	\$23.75
7/16"	3 11/16"	5 9/16"	01-R 228	5	50	\$25.00
29/64"	3 11/16"	5 9/16"	01-R 229	5	50	\$27.75
15/32"	4"	5 15/16"	01-R 230	5	50	\$29.85
31/64"	4"	5 15/16"	01-R 231	5	50	\$31.05
1/2"	4"	5 7/8"	01-R 232	5	50	\$32.10
17/32"	4 13/16"	6"	01-R 234	5	50	\$39.85
9/16"	4 13/16"	5 3/4"	01-R 236	5	50	\$43.70
5/8"	5 3/16"	5 5/8"	01-R 240	5	50	\$62.55

Packaged in reusable plastic packaging.  
For sizes smaller than 33/64", use our jobber's length drill bits.

## SST+™ 135° 1/2" PRENTICE FRACTIONAL

### Round shank bits

For high tensile steel, fits in a 1/2" chuck

SST+ 1/2" Prentice are heavy-duty large diameter drill bits for use in portable 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 longer life.



Drill Size	Flute Length	Overall Length	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
33/64"	3 1/8"	6"	01-M 533	1	10	\$50.80
17/32"	3 1/8"	6"	01-M 534	1	10	\$47.35
35/64"	3 1/8"	6"	01-M 535	1	10	\$53.00
9/16"	3 1/8"	6"	01-M 536	1	10	\$50.80
37/64"	3 1/8"	6"	01-M 537	1	10	\$57.90
19/32"	3 1/8"	6"	01-M 538	1	10	\$54.30
39/64"	3 1/8"	6"	01-M 539	1	10	\$58.70
5/8"	3 1/8"	6"	01-M 540	1	10	\$56.25
41/64"	3 1/8"	6"	01-M 541	1	10	\$63.95
21/32"	3 1/8"	6"	01-M 542	1	10	\$60.10
43/64"	3 1/8"	6"	01-M 543	1	10	\$65.55
1 1/16"	3 1/8"	6"	01-M 544	1	10	\$65.55
45/64"	3 1/8"	6"	01-M 545	1	10	\$69.90
23/32"	3 1/8"	6"	01-M 546	1	10	\$69.90

47/64"	3 1/8"	6"	01-M 547	1	10	\$69.90
3/4"	3 1/8"	6"	01-M 548	1	10	\$69.90
49/64"	3 1/8"	6"	01-M 549	1	10	\$71.55
25/32"	3 1/8"	6"	01-M 550	1	10	\$71.55
51/64"	3 1/8"	6"	01-M 551	1	10	\$74.30
13/16"	3 1/8"	6"	01-M 552	1	10	\$74.30
53/64"	3 1/8"	6"	01-M 553	1	10	\$80.85
27/32"	3 1/8"	6"	01-M 554	1	10	\$80.85
55/64"	3 1/8"	6"	01-M 555	1	10	\$84.05
7/8"	3 1/8"	6"	01-M 556	1	10	\$84.05
57/64"	3 1/8"	6"	01-M 557	1	10	\$88.95
29/32"	3 1/8"	6"	01-M 558	1	10	\$88.95
59/64"	3 1/8"	6"	01-M 559	1	10	\$90.70
15/16"	3 1/8"	6"	01-M 560	1	10	\$93.40
61/64"	3 1/8"	6"	01-M 561	1	10	\$100.45
31/32"	3 1/8"	6"	01-M 562	1	10	\$100.45
63/64"	3 1/8"	6"	01-M 563	1	10	\$102.15
1"	3 1/8"	6"	01-M 600	1	10	\$102.15
1 1/16"	3 1/8"	6"	01-M 604	1	10	\$128.35
1 1/8"	3 1/8"	6"	01-M 608	1	10	\$139.35
1 3/16"	3 1/8"	6"	01-M 612	1	10	\$147.95
1 1/4"	3 1/8"	6"	01-M 616	1	10	\$163.40
1 5/16"	3 1/8"	6"	01-M 617	1	10	\$182.10
1 3/8"	3 1/8"	6"	01-M 618	1	10	\$233.75
1 7/16"	3 1/8"	6"	01-M 619	1	10	\$257.70
1 1/2"	3 1/8"	6"	01-M 620	1	10	\$312.30

Packaged in reusable plastic packaging.  
For sizes smaller than 33/64", 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. Metal panels are hinged and neatly folded into box.

Photo	Type	Sizes	Order No.	Qty Inside	Min. Pkg.	Std. Ctn.	Price ea.
A	SST+ 135° Jobber's length round shank, fractional	1/16" to 3/8" by 64ths	01-E 621	21	1	10	\$139.75
A	SST 118° Jobber's length quick shank, fractional	1/16" to 3/8" by 64ths	01-E 121	21	1	10	\$150.95
B	SST+ 135° Jobber's length round shank, fractional	1/16" to 1/2" by 32nds	01-E 606	15	1	10	\$145.85
C-1	SST+ SST 118° Jobber's length quick shank, fractional/polymer case	1/16" to 1/2" by 64ths	01-E 118	29	1	10	\$298.85
C-2	SST 118° Jobber's length quick shank, fractional/metal case	1/16" to 1/2" by 64ths	01-E 178	29	1	10	\$298.85
C-1	SST+ 135° Jobber's length round shank, fractional/polymer case	1/16" to 1/2" by 64ths	01-E 618	29	1	10	\$272.35
C-2	SST+ 135° Jobber's length round shank, fractional/metal case	1/16" to 1/2" by 64ths	01-E 678	29	1	10	\$272.35
C-2	SST+ 135° Reduced shank three flats, fractional/metal case	1/16" to 1/2" by 64ths	01-E 818	29	1	10	\$301.90
C-2	SST+ 135° Stub length round shank, fractional /metal case	1/16" to 1/2" by 64ths	01-E 229	29	1	10	\$251.95
D	SST+ 135° Jobber's length round shank, wire gauge	#1 to # 60	01-E 619	60	1	10	\$272.35
E	SST+ 135° Prentice three flats, fractional	9/16" to 1" by 16ths	01-E 708	8	1	10	\$579.35
F	SST+ 135° Jobber's length round shank, metric	1 mm to 13 mm by 0.5 mm	01-E 625	25	1	10	\$256.00



**A**  
1/16" to 3/8" by 64ths  
21 drill bits



**B**  
1/16" to 1/2" by 32nds  
15 drill bits



**C-1**  
1/16" to 1/2" by 64ths  
29 drill bits



**C-2**  
1/16" to 1/2" by 64ths  
29 drill bits



**D**  
No. 1 to 60  
60 drill bits



**E**  
9/16" to 1" by 16ths  
8 drill bits



**F**  
1.00 mm to 13.00 mm  
by 0.5 mm  
25 drill bits



## MULTI-STEP™ STEP DRILL BITS TITANIUM COATED

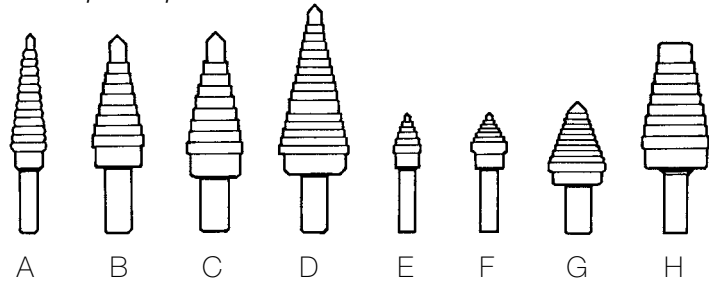
Multi-Step drill bits are the easiest and fastest way to cut or enlarge holes in sheet metal and other materials up to 1/8" thick.

- ▷ *Special titanium coating increases bit hardness for better heat and wear resistance – lasts significantly longer than conventional step drills*
- ▷ *2 wide cylindrical flutes eliminate chip build-up for faster drilling and to produce accurate holes without chattering*



Illus. Description	Order No.	Shank Size (with 3 flats)	Min. Pkg.	Std. Ctn.	Price ea.
<b>SPIRAL FLUTING</b>					
A 13 steps from 1/8" to 1/2"	01-W 001	1/4"	1	10	\$73.85
B 9 steps from 1/4" to 3/4"	01-W 011	3/8"	1	10	\$123.10
C 12 steps from 3/16" to 7/8"	01-W 005	3/8"	1	10	\$137.05
D 1/4"-7/8"-1 1/8" hole diameters	01-W 012	3/8"	1	10	\$123.10
E 3/8" hole diameter	01-W 014	1/4"	1	10	\$73.85
F 1/2" hole diameter	01-W 016	1/4"	1	10	\$73.85
G 7/8" hole diameter	01-W 020	3/8"	1	10	\$138.10
H 8 steps from 9/16" to 1"	01-W 003	3/8"	1	10	\$137.05
<b>STRAIGHT FLUTING</b>					
A 1/8" – 1/2" hole diameters	01-W 101	1/4"	1	10	\$72.85
B 1/4" – 3/4" hole diameters	01-W 111	3/8"	1	10	\$121.55
C 3/16" – 7/8" hole diameters	01-W 105	3/8"	1	10	\$137.05
D 1/4" – 1 1/8" hole diameters	01-W 112	3/8"	1	10	\$121.55

Packaged in reusable plastic packaging.  
\*01-W 003 requires 1/2" pilot hole.



### Tech tip!

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

**Order No.:** 53-B 013

### STEP DRILL SET

Contains the three Multi-Step bits needed for all hole sizes from 1/8" – 1 1/8". Bits included: A, C and D.

**Order No.** 01-W 951- \$315.85



# VP™ COUNTERSINKS

Made of M2 HSS. Their 82° point angle is ideal for countersinking and they can also be used for deburring and chamfering in steel, stainless steel and non-ferrous metals.

Dia.	Angle	Overall Length	Shank Dia.	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1/4"	82°	2"	1/4"	01-U 004	1	10	\$24.60
5/16"	82°	2"	1/4"	01-U 005	1	10	\$25.70
3/8"	82°	2"	1/4"	01-U 006	1	10	\$32.10
1/2"	82°	2"	3/8"	01-U 008	1	10	\$36.90
5/8"	82°	2 1/4"	3/8"	01-U 010	1	10	\$54.05
3/4"	82°	2 3/4"	1/2"	01-U 012	1	10	\$72.50
1"	82°	2 3/4"	1/2"	01-U 100	1	10	\$110.25

Packaged in reusable plastic packaging.



*Variable pitch design allows free countersinking for a clean finish*



## VP COUNTERSINK SET

Contains the four most popular VP Countersinks (sizes 1/4", 3/8", 1/2", 3/4") and cutting lubricant. Packaged in a reclosable resistant plastic case.

Order No. 01-U 950 - \$165.95



- ▷ 6 flats for more stability, efficiency and a longer tool life
- ▷ The special surface treatment increases cutting edge hardness and reduces frictional heat to extend tool life
- ▷ The special tip geometry centers the tool in the hole to produce a uniform chamfer



### 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 tap 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 tapping costs.

*Guaranteed to tap faster and last longer*

Tap Size	Overall Length	Drill Size	Order No.	Std. Ctn.	Price ea.
6-32 NC	2 1/2"	#36	03-A 561	10	21.05
6-40 NF	2 1/2"	#33	03-A 564	10	20.45
8-32 NC	2 13/16"	#29	03-A 581	10	16.70
8-36 NF	2 13/16"	#29	03-A 584	10	16.25
10-24 NC	2 13/16"	#25	03-A 601	10	18.80
10-32 NF	2 13/16"	#21	03-A 604	10	18.80
12-24 NC	3 3/16"	#16	03-A 621	10	22.20
12-28 NF	3 3/16"	#15	03-A 624	10	21.60
1/4"-20 NC	3 3/16"	#7	03-B 541	10	18.50
1/4"-28 NF	3 3/16"	#3	03-B 544	10	18.50
5/16"-18 NC	3 11/16"	F	03-B 551	10	23.05
5/16"-24 NF	3 11/16"	I	03-B 554	10	23.05
3/8"-16 NC	4 3/32"	5/16"	03-B 561	10	26.00
3/8"-24 NF	4 3/32"	Q	03-B 564	10	26.00
7/16"-14 NC	4 3/32"	U	03-B 571	10	37.15
7/16"-20 NF	3 15/16"	25/64"	03-B 574	10	37.15
1/2"-13 NC	4 5/16"	27/64"	03-B 581	10	38.25
1/2"-20 NF	4 5/16"	29/64"	03-B 584	10	38.25
9/16"-12 NC	4 5/16"	31/64"	03-B 591	10	39.05
9/16"-18 NF	4 5/16"	33/64"	03-B 594	10	39.05
5/8"-11 NC	4 5/16"	17/32"	03-B 601	10	42.20
5/8"-18 NF	4 5/16"	37/64"	03-B 604	10	42.20
3/4"-10 NC	4 5/16"	21/32"	03-B 621	10	46.75
3/4"-16 NF	4 5/16"	11/16"	03-B 624	10	46.75
7/8"-9 NC	4 5/16"	49/64"	03-B 641	10	51.90
7/8"-14 NF	4 5/16"	19/16"	03-B 644	10	51.90
1"-8 NC	4 5/16"	7/8"	03-B 661	10	65.55
1"-12 NF	4 5/16"	59/64"	03-B 664	10	65.55

Tap drill size marked on shank (tap sizes 12-24 and over).  
Packaged in reusable plastic packaging.



## Tech tip!

For increased cutting efficiency and tool life, use TAPCUT lubricant



- ▷ 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 - \$153.40



## 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 - \$296.95



## NF SST POWER TAPS AND DRILL BIT SETS

### Power taps:

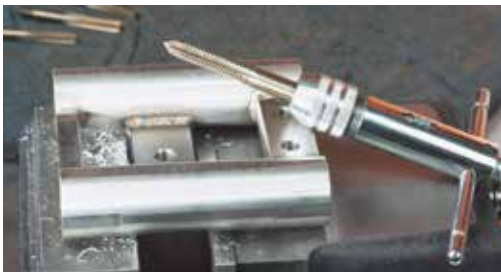
6-40 NF, 8-36 NF, 10-32 NF, 12-28 NF, 1/4"-28 NF, 5/16"-24 NF, 3/8"-24 NF, 7/16"-20 NF and 1/2"-20 NF

### Drill bits:

#33, #29, #21, #15, #3, I, Q, 25/64" and 29/64"

Order No. 03-B 954 - \$321.10





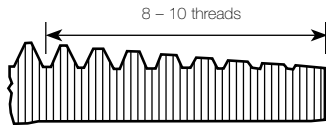
## SST+ HSS™ HAND TAPS

Made from premium quality high speed steel with ground threads, hardened and tempered for longest life in a variety of materials.

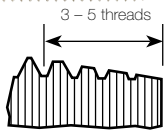
- ▷ Precision ground threads with eccentric relief for free cutting action
- ▷ Three and four flute design
- ▷ Available in three chamfer lengths for through or blind hole tapping
- ▷ Special bronze SST surface treatment



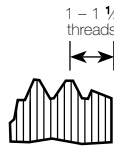
Taper



Plug



Bottoming



## TAPCUT™

Thread cutting lubricant

Specially formulated for thread cutting with taps and dies.

Desc.	Size	Order No.	MSDS	Std Pkg	Price ea.
<b>Metric US Gal</b>					
Squ. bottle	350 ml 11.8 oz	53-A 103	L-115E	12	<b>13.70</b>
Liquid	5 L 1.3 gal	53-A 106	L-115E	1	<b>98.55</b>
Liquid	20 L 5.2 gal	53-A 107	L-115E	1	<b>361.90</b>
<b>Accessories</b>		<b>Order No.</b>	<b>Price</b>		
Spout for 5 L pail		53-L 113	<b>12.60</b>		
Spout for 20 L pail		53-L 207	<b>22.85</b>		



## Machine screw and fractional sizes

Tap Size × Threads Per Inch	Drill Size	Taper	Order No. Plug	Order No. Bottoming	Min. Pkg.	Std. Ctn.	Price ea.
4-40 NC	#43	03-A 041	03-A 042	03-A 043	3	30	<b>\$11.05</b>
5-40 NC	#38	03-A 051	03-A 052	03-A 053	3	30	<b>\$12.05</b>
6-32 NC	#36	03-A 061	03-A 062	03-A 063	3	30	<b>\$8.15</b>
8-32 NC	#29	03-A 081	03-A 082	03-A 083	3	30	<b>\$8.15</b>
10-24 NC	#25	03-A 101	03-A 102	03-A 103	3	30	<b>\$9.15</b>
10-32 NF	#21	03-A 104	03-A 105	03-A 106	3	30	<b>\$9.15</b>
12-24 NC	#16	03-A 121	03-A 122	03-A 123	3	30	<b>\$9.45</b>
1/4"-20 NC	#7	03-B 041	03-B 042	03-B 043	3	30	<b>\$9.65</b>
1/4"-28 NF	#3	03-B 044	03-B 045	03-B 046	3	30	<b>\$9.65</b>
5/16"-18 NC	F	03-B 051	03-B 052	03-B 053	3	30	<b>\$12.75</b>
5/16"-24 NF	17/64"	03-B 054	03-B 055	03-B 056	3	30	<b>\$12.75</b>
3/8"-16 NC	5/16"	03-B 061	03-B 062	03-B 063	3	30	<b>\$15.35</b>
3/8"-24 NF	21/64"	03-B 064	03-B 065	03-B 066	3	30	<b>\$15.35</b>
7/16"-14 NC	U	03-B 071	03-B 072	03-B 073	3	30	<b>\$22.20</b>
7/16"-20 NF	25/64"	03-B 074	03-B 075	03-B 076	3	30	<b>\$22.20</b>
1/2"-13 NC	27/64"	03-B 081	03-B 082	03-B 083	3	30	<b>\$26.05</b>
1/2"-20 NF	29/64"	03-B 084	03-B 085	03-B 086	3	30	<b>\$26.05</b>
9/16"-12 NC	31/64"	03-B 091	03-B 092	03-B 093	1	10	<b>\$38.80</b>
9/16"-18 NF	33/64"	03-B 094	03-B 095	03-B 096	1	10	<b>\$38.80</b>
5/8"-11 NC	17/32"	03-B 101	03-B 102	03-B 103	1	10	<b>\$46.45</b>
5/8"-18 NF	37/64"	03-B 104	03-B 105	03-B 106	1	10	<b>\$46.45</b>
3/4"-10 NC	21/32"	03-B 121	03-B 122	03-B 123	1	10	<b>\$63.15</b>
3/4"-16 NF	11/16"	03-B 124	03-B 125	03-B 126	1	10	<b>\$63.15</b>
7/8"-9 NC	49/64"	03-B 141	03-B 142	03-B 143	1	10	<b>\$82.45</b>
7/8"-14 NF	13/16"	03-B 144	03-B 145	03-B 146	1	10	<b>\$82.45</b>
1"-8 NC	7/8"	03-B 161	03-B 162	03-B 163	1	10	<b>\$112.40</b>
1"-12 NF	7/8"	03-B 164	03-B 165	03-B 166	1	10	<b>\$127.50</b>

Packaged in reusable plastic packaging.

## Metric sizes

Order No. Tap Size × Pitch (mm)	Min. Taper	Std. Pkg.	Ctn.	Price ea.
3.0 × .50	03-D 031	3	30	<b>\$9.95</b>
4.0 × .70	03-D 041	3	30	<b>\$10.30</b>
5.0 × .80	03-D 051	3	30	<b>\$10.80</b>
6.0 × 1.00	03-D 061	3	30	<b>\$11.90</b>
8.0 × 1.25	03-D 081	3	30	<b>\$17.45</b>
10.0 × 1.50	03-D 101	3	30	<b>\$24.40</b>
12.0 × 1.75	03-D 121	3	30	<b>\$29.00</b>

Packaged in reusable plastic packaging.

## TAPER PIPE TAPS (NPT)

Made from tough carbon alloy tool steel to cut threads and repair damaged threads in pipe fittings. For use in steel and non-ferrous metals.



Nominal Size Inch	Threads per Inch	Drill Size	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1/16"	- 27	D	02-C 010	1	10	\$11.65
1/8"	- 27	1 1/32"	02-C 020	1	10	\$14.50
1/4"	- 18	7/16"	02-C 040	1	10	\$17.15
3/8"	- 18	37/64"	02-C 060	1	10	\$22.50
1/2"	- 14	45/64"	02-C 080	1	10	\$30.55
3/4"	- 14	59/64"	02-C 120	1	10	\$51.40
1"	- 11 1/2	1 5/32"	02-C 160	1	10	\$81.35
1 1/4"	- 11 1/2	1 1/2"	02-C 200	1	10	\$146.70
1 1/2"	- 11 1/2	1 47/64"	02-C 240	1	10	\$195.95
2"	- 11 1/2	2 7/32"	02-C 320	1	10	\$359.75

Packaged in reusable plastic packaging.

### TAPER PIPE TAP SET

Contains one of each of the following NPT taps: 1/8", 1/4", 3/8" and 1/2".

Order No. 02-C 500 - \$88.85



### 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.	Min.Pkg.	Std. Ctn.	Price ea.
1	1/16" - 1/4"	02-W 010	1	10	\$32.10
1 1/2	3/16" - 1/2"	02-W 015	1	10	\$39.30
3	1/4" - 3/4"	02-W 030	1	10	\$92.05
4	3/8" - 1"	02-W 040	1	10	\$162.75

Packaged in reusable plastic packaging.

### T-handle tap wrench with 3-position ratchet

No.	Capacity	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
1-T	6-32 to 1/4"	02-W 100	1	10	\$66.40
2-T	1/4" to 1/2"	02-W 200	1	10	\$84.05

Packaged in reusable plastic packaging.





*High strength brazed joint – Stringent manufacturing process guarantees no 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*

## CARBIDE BURRS

High performance

These new carbide burrs are made from the highest grade tungsten carbide and are manufactured with the highest degree of accuracy for perfect concentricity and balance. They offer fast material removal and longest life.

**1/4" shank  $\varnothing$ , double cut**



Burr Dia. x Length	Order No.	Price ea.	6" shank Order No.	Std. Pkg.	Std. Ctn.	Price ea.
<b>Cylindrical (SA)</b>						
1/4" x 5/8"	01-V 001	\$30.00	01-V 601	1	10	\$40.95
5/16" x 3/4"	01-V 037			1	10	\$39.30
3/8" x 3/4"	01-V 002	\$39.30	01-V 602	1	10	\$48.70
7/16" x 1"	01-V 038			1	10	\$50.90
1/2" x 1"	01-V 004	\$58.90	01-V 604	1	10	\$78.15
<b>Cylindrical round nose (SC)</b>						
1/4" x 5/8"	01-V 005	\$30.00	01-V 605	1	10	\$40.45
5/16" x 3/4"	01-V 039			1	10	\$39.30
3/8" x 3/4"	01-V 006	\$39.30	01-V 606	1	10	\$49.25
7/16" x 1"	01-V 040			1	10	\$50.90
1/2" x 1"	01-V 007	\$59.40	01-V 607	1	10	\$78.15
<b>Ball (SD)</b>						
1/4" x 7/32"	01-V 009	\$30.55	01-V 609	1	10	\$40.45
3/8" x 5/16"	01-V 010	\$39.30	01-V 610	1	10	\$48.20
1/2" x 7/16"	01-V 026	\$59.40	01-V 626	1	10	\$78.15
5/8" x 9/16"	01-V 011			1	10	\$64.25
<b>Tapered (SG)</b>						
1/4" x 5/8"	01-V 044	\$30.55	01-V 644	1	10	\$40.70
5/16" x 3/4"	01-V 045			1	10	\$39.30
3/8" x 3/4"	01-V 046	\$39.30	01-V 646	1	10	\$49.25
1/2" x 1"	01-V 013	\$59.40	01-V 613	1	10	\$78.15
<b>Tree (SF)</b>						
1/4" x 5/8"	01-V 041	\$30.55	01-V 641	1	10	\$40.70
5/16" x 5/8"	01-V 042			1	10	\$38.05
3/8" x 3/4"	01-V 014	\$39.30	01-V 614	1	10	\$49.25
7/16" x 1"	01-V 043			1	10	\$50.90
1/2" x 1"	01-V 015	\$58.91	01-V 615	1	10	\$78.15
<b>Cone (SL)</b>						
1/4" x 5/8"	01-V 017			1	10	\$30.55
5/16" x 7/8"	01-V 051			1	10	\$39.30
3/8" x 1 1/16"	01-V 031	\$39.30	01-V 631	1	10	\$49.25
5/8" x 3/16"	01-V 052	\$64.25	01-V 652	1	10	\$83.50
1/2" x 1 1/8"	01-V 032			1	10	\$58.90
<b>Conical (SM)</b>						
1/4" x 1/2"	01-V 047			1	10	\$30.55
1/4" x 3/4"	01-V 048			1	10	\$30.55
1/4" x 1"	01-V 049			1	10	\$30.55
3/8" x 5/8"	01-V 050			1	10	\$39.30
1/2" x 7/8"	01-V 018			1	10	\$59.40
<b>Egg (SE)</b>						
3/8" x 5/8"	01-V 027			1	10	\$39.30
1/2" x 7/8"	01-V 028			1	10	\$58.90
<b>Flame (SH)</b>						
5/16" x 3/4"	01-V 029			1	10	\$39.30
1/2" x 1 1/4"	01-V 030			1	10	\$58.90

**1/4" shank  $\varnothing$ , non-ferrous, aluminum and soft metals**



Shape	Burr Dia. x Length	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
CYLINDRICAL (SA)	3/8" x 3/4"	01-V 003	1	10	\$51.40
CYLINDRICAL ROUND NOSE (SC)	1/2" x 1"	01-V 008	1	10	\$76.55
TREE (SF)	1/2" x 1"	01-V 016	1	10	\$76.00
CONE (SL)	3/8" x 1 1/4"	01-V 036	1	10	\$64.25

**1/4" shank  $\varnothing$ , hard alloys**



Shape	Burr Dia. x Length	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
CYLINDRICAL ROUND NOSE (SC)	1/2" x 1"	01-V 033	1	10	\$64.25
TREE (SF)	1/2" x 1"	01-V 034	1	10	\$64.25
CONE (SL)	1/2" x 1 1/8"	01-V 035	1	10	\$64.25

**1/8" shank  $\varnothing$ , double cut**



Shape	Burr Dia. x Length	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
CYLINDRICAL (SA)	1/8" x 9/16"	01-V 020	1	10	\$15.50
BALL (SD)	1/8" x 1/8"	01-V 021	1	10	\$15.50
TREE (SF)	1/8" x 1/2"	01-V 022	1	10	\$15.50
TAPERED (SG)	1/8" x 1/2"	01-V 023	1	10	\$15.50
CONE (SL)	1/8" x 1/2"	01-V 024	1	10	\$15.50
CONICAL (SM)	1/8" x 7/16"	01-V 025	1	10	\$15.50

Burr diameter	Maximum cutting speed (RPM) for standard length burrs	Maximum cutting speed (RPM) 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

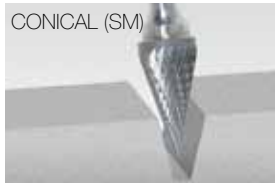
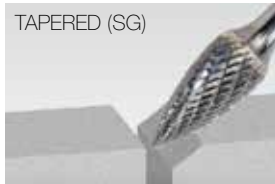
For safety reasons, never use the 6" tungsten carbide burrs below 20,000 RPM.

Material	Double cut	Non-ferrous	Material	Double cut	Non-ferrous
Aluminum	-	x	Plastics	x	-
Brass	x	x	Hard rubber	x	-
Bronze	x	-	Steel - 45-55Rc	x	-
Cast iron	x	-	Steel - 55-60Rc	x	-
Copper	-	x	Steel - Carbon	x	-
Carbon fiber	-	x	Steel - Nickel	-	-
Fiberglass	x	-	Chrome	x	-
Inconel	x	-	Steel - Stainless	x	-
Magnesium	-	x	Steel - Weldments	x	-
Plastics	x	-	Titanium	x	-
Hard rubber	x	-	Zinc	-	x

**CARBIDE BURR PRODUCTION SET**

Contains one of each of the following: 01-V 002, 006, 011, 015 and 018

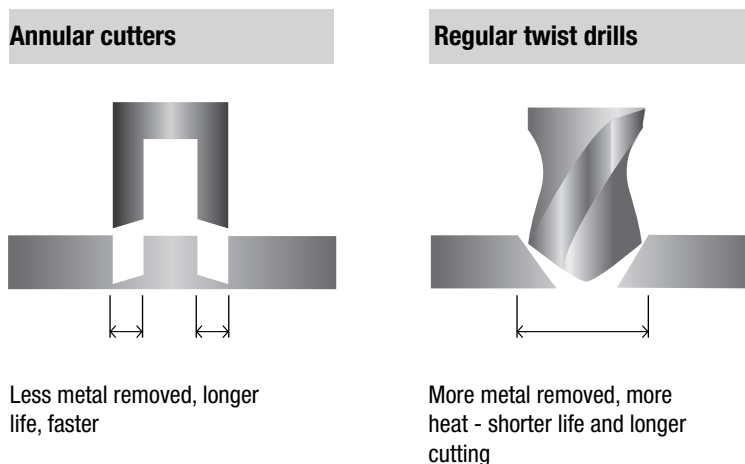
Order No. 01-V 990 - \$242.00





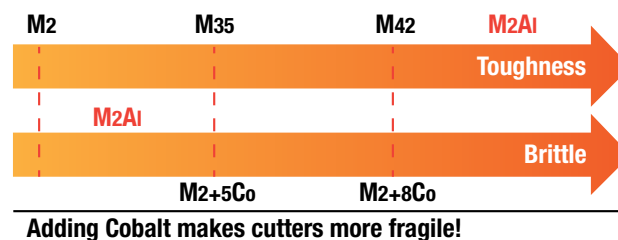
# HIGH PERFORMANCE ANNULAR CUTTERS

**When drilling large holes through thick and flat metal surfaces,** it can be cost effective to use an annular cutter, which cuts at the circumference of the circle, instead of through the material. This allows you to make holes more easily and quickly.



The new Walter annular cutters are tougher because they are made with a sophisticated mixture of high speed steel and aluminum (M2Al). This extends the life of the core cutters, as it is now more resistant to instant impact and stress when drilling under load, less brittle, and impervious to deformation. Conventional annular cutters are typically made with cobalt to increase the strength of the product, however the more cobalt is added, the more brittle the product becomes. By adding aluminum into the coating, this makes Walter

core cutters tougher than M42 core cutters and less brittle than a regular M2 annular core cutter. With a new exclusive triple tooth design, it is reinforced to be more resistant to wear. It has a studded spiral fluting angle to make holes with precision, while also optimizing chip removal to eliminate scratching from the chip debris. With the aluminum blend incorporated into the core cutter, it will form a nano-sized lubrication layer when heated, making it self-lubricated and preventing materials from sticking, melting or deforming.



# HIGH PERFORMANCE ANNULAR CUTTERS



*For large hole drilling*

Recommended usage			
	SST Core Cut	Icecut	Carbide Core Cut
<b>SPECIFICATIONS</b>			
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
<b>MATERIAL</b>			
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	—	—	✓
<b>CHARACTERISTICS</b>			
Cutting Speed	Fast	Very Fast	Extra Fast
Cutter Life	Long	Very Long	Extra Long

- ✓ Highly Recommended
- ✓ Recommended

## CUTTING LUBRICANTS

To ensure fast drilling times and long cutter life, we highly recommend that you use these Walter high performance cutting lubricants.



Material worked on	Product description	Order No.	Size	MSDS	Price
Mild and hard steel	COOLCUT, solid stick	53-B 013	300 g	L-22E	<b>\$16.85</b>
	ICECUT, liquid*	53-C 056	5 L	L-122E	<b>\$37.45</b>
	ICECUT, liquid*	53-C 057	20L	L-122E	<b>\$102.25</b>
Aluminum	ALUCUT, solid stick	53-B 303	300 g	L-04E	<b>\$16.40</b>
All metals	TAPCUT, bottle	53-A 103	350 ml	L-115E	<b>\$13.70</b>
	TAPCUT, liquid	53-A 106	5 L	L-115E	<b>\$98.55</b>
	TAPCUT, liquid	53-A 107	20L	L-115E	<b>\$361.90</b>

\*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 reduce drilling time as it will decrease the heat generated during the operation.



Diameter Inches	mm	Min. Pkg.	1" Cutters Order No.	Price	2" Cutters Order No.	Price
<b>Use with pilot pin</b>			<b>05-Z 001</b>	<b>\$16.60</b>	<b>05-Z 002</b>	<b>\$16.60</b>
1/2"	12.7	1	05-A 008	\$60.35	05-A 308	\$81.10
9/16"	14.3	1	05-A 009	\$60.35	05-A 309	\$81.10
5/8"	15.9	1	05-A 010	\$64.85	05-A 310	\$83.85
11/16"	17.5	1	05-A 011	\$64.85	05-A 311	\$83.85
3/4"	19.0	1	05-A 012	\$69.40	05-A 312	\$82.85
13/16"	20.6	1	05-A 013	\$69.40	05-A 313	\$82.85
7/8"	22.2	1	05-A 014	\$76.55	05-A 314	\$93.75
15/16"	23.8	1	05-A 015	\$76.55	05-A 315	\$96.35
1"	25.4	1	05-A 100	\$83.85	05-A 400	\$112.60
1 1/16"	27.0	1	05-A 101	\$83.85	05-A 401	\$112.60
1 1/8"	28.6	1	05-A 102	\$89.25	05-A 402	\$117.15
1 3/16"	30.2	1	05-A 103	\$89.25	05-A 403	\$117.15
1 1/4"	31.8	1	05-A 104	\$112.60	05-A 404	\$135.20
1 5/16"	33.3	1	05-A 105	\$112.60	05-A 405	\$135.20
1 3/8"	34.9	1	05-A 106	\$119.90	05-A 406	\$144.20
1 7/16"	36.5	1	05-A 107	\$119.90	05-A 407	\$144.20
1 1/2"	38.1	1	05-A 108	\$135.20	05-A 408	\$175.75
1 9/16"	39.7	1	05-A 109	\$144.20	05-A 409	\$175.75
1 5/8"	41.3	1	05-A 110	\$157.70	05-A 410	\$184.75
1 3/4"	44.5	1	05-A 112	\$175.75	05-A 412	\$225.30
1 13/16"	46.0	1	05-A 113	\$193.75	05-A 413	\$225.30
1 7/8"	47.6	1	05-A 114	\$198.25	05-A 414	\$252.30
1 15/16"	49.2	1	05-A 115	\$198.25	05-A 415	\$252.30
2"	50.8	1	05-A 200	\$216.25	05-A 500	\$283.85
2 1/16"	52.4	1	05-A 201	\$216.25	05-A 501	\$283.85
2 1/8"	54.0	1	05-A 202	\$220.80	05-A 502	\$283.85
2 3/16"	55.6	1	—	—	05-A 503	\$283.85
2 1/4"	57.2	1	—	—	05-A 504	\$283.85
2 5/16"	58.7	1	—	—	05-A 505	\$301.90
2 3/8"	60.3	1	—	—	05-A 506	\$301.90
			<b>3" Cutters Order No.</b>			
<b>Use with pilot pin</b>			<b>05-Z 018</b>			<b>\$31.50</b>
13/16"	20.6	1	05-A 613			\$148.65
15/16"	23.8	1	05-A 615			\$157.70
1 1/16"	27.0	1	05-A 701			\$189.25

Packaged in reusable plastic packaging.

Other sizes are available upon special request. Please speak with your Walter sales representative.

- ▷ Drills faster
- ▷ Lasts longer
- ▷ Universal shank
- ▷ Special bronze SST surface treatment
- ▷ Exclusive tooth design
- ▷ Fully ground flutes

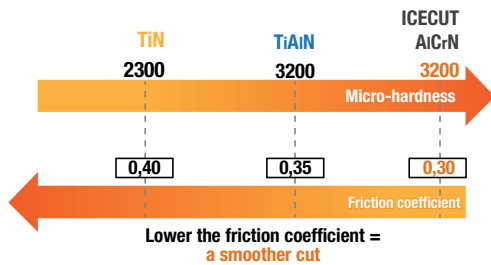


## Tech tip!

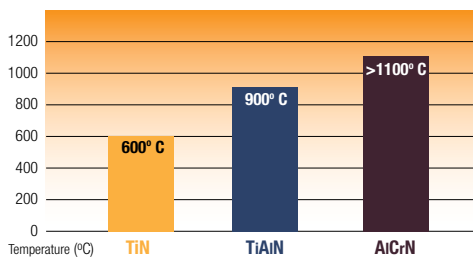
For increased cutting efficiency and tool life, use ICECUT liquid



- ▷ Universal shank
- ▷ State-of-the-art coating
- ▷ Exclusive tooth design
- ▷ Fully ground extra large flutes



Maximum temperature before deformation



## ICECUT™ ANNULAR CORE CUTTERS

Guaranteed to drill more holes in less time!

The new 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 Titanium (TiN) or Titanium-Aluminum (TiAlN) coating cutters. By incorporating a chromium aluminum blend into the coating, Walter ICECUT annular cutters can withstand at least 200°C higher temperatures and produce less heat than a conventional TiAlN cutter. This exclusive coating makes the ICECUT more resistant to higher stress under load and instant impact.

Diameter Inches	mm	Min. Pkg.	1" Cutters Order No.	Price	2" Cutters Order No.	Price
<b>Use with pilot pin</b>						
1/2"	12.7	1	05-Z 001	\$16.60	05-Z 002	\$16.60
			05-B 008	\$94.10	05-B 308	\$118.95
9/16"	14.3	1	05-B 009	\$94.10	05-B 309	\$118.95
5/8"	15.9	1	05-B 010	\$106.00	05-B 310	\$118.95
11/16"	17.5	1	05-B 011	\$106.00	05-B 311	\$124.35
3/4"	19.0	1	05-B 012	\$106.00	05-B 312	\$129.75
13/16"	20.6	1	05-B 013	\$106.00	05-B 313	\$129.75
7/8"	22.2	1	05-B 014	\$121.05	05-B 314	\$156.80
15/16"	23.8	1	05-B 015	\$124.35	05-B 315	\$156.80
1"	25.4	1	05-B 100	\$129.75	05-B 400	\$167.60
1 1/16"	27.0	1	05-B 101	\$129.75	05-B 401	\$167.60
1 1/8"	28.6	1	05-B 102	\$140.60	05-B 402	\$173.00
1 3/16"	30.2	1	05-B 103	\$140.60	05-B 403	\$173.00
1 1/4"	31.8	1	05-B 104	\$151.40	05-B 404	\$194.70
1 5/16"	33.3	1	05-B 105	\$151.40	05-B 405	\$194.70
1 3/8"	34.9	1	05-B 106	\$162.20	05-B 406	\$205.50
1 7/16"	36.5	1	05-B 107	\$173.00	05-B 407	\$205.50
1 1/2"	38.1	1	05-B 108	\$225.00	05-B 408	\$302.80
1 9/16"	39.7	1	05-B 109	\$225.00	05-B 409	\$302.80
1 5/8"	41.3	1	05-B 110	\$227.10	05-B 410	\$302.80
1 3/4"	44.5	1	05-B 112	\$297.35	05-B 412	\$319.00
1 13/16"	46.0	1	05-B 113	\$297.35	05-B 413	\$351.45
1 7/8"	47.6	1	05-B 114	\$308.20	05-B 414	\$351.45
1 15/16"	49.2	1	05-B 115	\$308.20	05-B 415	\$367.70
2"	50.8	1	05-B 200	\$351.45	05-B 500	\$378.50
2 1/16"	52.4	1	05-B 201	\$351.45	05-B 501	\$378.50
2 1/8"	54.0	1	05-B 202	\$373.10	05-B 502	\$378.50
2 3/16"	55.6	1	—	—	05-B 503	\$394.70
2 1/4"	57.2	1	—	—	05-B 504	\$416.35
2 5/16"	58.7	1	—	—	05-B 505	\$416.35
2 3/8"	60.3	1	—	—	05-B 506	\$416.35

Packaged in reusable plastic packaging.

Other sizes are available upon special request. Please speak with your Walter sales representative.

# CARBIDE CORE CUT ANNULAR CUTTERS

Guaranteed top performance and maximum productivity on hard metals and uneven surfaces!

Walter Carbide Core Cut annular cutters will 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 high speed, high feed rates and require less thrust.



Diameter Inches	mm	Min. Pkg.	1½" Cutters Order No.	Price	2" Cutters Order No.	Price
<b>Use with pilot pin</b>			<b>05-Z 019</b>	<b>\$29.95</b>	<b>05-Z 021</b>	<b>\$29.95</b>
½"	12.7	1	05-D 008	\$91.60	05-D 308	\$123.35
¾"	14.3	1	05-D 009	\$91.60	05-D 309	\$123.35
⅝"	15.9	1	05-D 010	\$101.10	05-D 310	\$129.35
⅞"	17.5	1	05-D 011	\$101.10	05-D 311	\$129.35
<b>Use with pilot pin</b>			<b>05-Z 020</b>	<b>\$30.45</b>	<b>05-Z 022</b>	<b>\$30.45</b>
¾"	19.0	1	05-D 012	\$102.80	05-D 312	\$128.50
13/16"	20.6	1	05-D 013	\$102.80	05-D 313	\$128.50
7/8"	22.2	1	05-D 014	\$115.65	05-D 314	\$138.70
15/16"	23.8	1	05-D 015	\$115.65	05-D 315	\$138.70
1"	25.4	1	05-D 100	\$119.90	05-D 400	\$145.75
1 1/16"	27.0	1	05-D 101	\$119.90	05-D 401	\$145.75
1 1/8"	28.6	1	05-D 102	\$128.50	05-D 402	\$154.15
1 3/16"	30.2	1	05-D 103	\$128.50	05-D 403	\$154.15
1 ¼"	31.8	1	05-D 104	\$137.05	05-D 404	\$179.90
1 5/16"	33.3	1	05-D 105	\$137.05	05-D 405	\$179.90
1 3/8"	34.9	1	05-D 106	\$145.75	05-D 406	\$188.45
1 7/16"	36.5	1	05-D 107	\$145.75	05-D 407	\$188.45
1 ½"	38.1	1	05-D 108	\$162.75	05-D 408	\$214.10
1 9/16"	39.7	1	05-D 109	\$162.75	05-D 409	\$214.10
1 5/8"	41.3	1	05-D 110	\$197.05	05-D 410	\$248.40
1 ¾"	44.5	1	05-D 112	\$197.05	05-D 412	\$248.40
1 13/16"	46.0	1	05-D 113	\$197.05	05-D 413	\$248.40
1 7/8"	47.6	1	05-D 114	\$239.85	05-D 414	\$269.80
1 15/16"	49.2	1	05-D 115	\$239.85	05-D 415	\$269.80
2"	50.8	1	05-D 200	\$274.10	05-D 500	\$295.50
2 1/16"	52.4	1	05-D 201	\$274.10	05-D 501	\$295.50
2 1/8"	54.0	1	05-D 202	\$274.10	05-D 502	\$312.65
2 3/16"	55.6	1	—	05-D 503	\$312.65	
2 ¼"	57.2	1	—	05-D 504	\$312.65	
2 5/16"	58.7	1	—	05-D 505	\$312.65	
2 3/8"	60.3	1	—	05-D 506	\$312.65	

Packaged in reusable plastic packaging.

Drill large diameter holes on a variety of hard or abrasive materials such as stainless steel

- ▷ Specially designed lubricant zone (maintains lubrication at the TCT – Tungsten Carbide Tips)
- ▷ Improved heat transfer
- ▷ Longer life
- ▷ Faster cutting



**Tech tip!**

For increased cutting efficiency and tool life, use ICECUT liquid

## 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 for longest life.



CUTTER FAMILY	Diameter	Drilling depth	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
<b>For use with these cutters</b>						
SST Core cut and ICECUT	1/2"–2 3/8" dia.	1"	05-Z 001	1	10	\$16.60
SST Core cut and ICECUT	1/2"–2 3/8" dia.	2"	05-Z 002	1	10	\$16.60
SST Core cut	1 3/16"–1 1/4" dia.	3"	05-Z 018	1	10	\$31.50
<b>For use with the following 05-D carbide core cutters</b>						
CARBIDE core cutters	1/2"–1 1/16" dia.	1 1/2"	05-Z 019	1	10	\$29.95
	3/4"–2 3/8" dia.	1 1/2"	05-Z 020	1	10	\$30.45
	1/2"–1 1/16" dia.	2"	05-Z 021	1	10	\$29.95
	3/4"–2 3/8" dia.	2"	05-Z 022	1	10	\$30.45



### Morse taper shank adaptors with coolant inducer

For use of Walter annular cutters on drilling units with Morse taper spindle. Coolant inducer feeds coolant through pilot pin to increase cutter life.

Morse taper	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
No. 2	05-Z 012	1	10	\$305.15
No. 3	05-Z 013	1	10	\$305.15



### Morse taper shank adaptors without coolant inducer

For use of Walter annular cutters on drilling units with Morse taper spindle. Ideal for all drilling machines that are equipped with an external source of cooling.

Morse taper	Order No.	Min. Pkg.	Std. Ctn.	Price ea.
No. 2	05-Z 010	1	10	\$201.35
No. 3	05-Z 011	1	10	\$201.35

## **NEW** Extension adaptors



Leverage an arbor adaptor with your Walter core cutters to drill deeper holes. These arbor adaptors are made to last longer and allow you to drill up to 4" for a fraction of the price of a full size core cutter.

Extension length	Item	Order No.	Std. Pkg.	Std. Ctn.	Price ea.
1"	Adaptor	05-Z 023	1	10	\$65.00
	Pilot pin	05-Z 025	1	10	\$17.50
2"	Adaptor	05-Z 024	1	10	\$77.00
	Pilot pin	05-Z 026	1	10	\$18.00

# ICECUT 100™ AND ICECUT 200™

**NEW**

## Features

When you pair the best drilling machines with the ultimate annular cutters and most innovative cooling solutions, you know you have the best system to drill large holes precisely, quickly and to continue performing even after thousands of holes.

*Drilling made easy and safe*

“ACCUDRILL” system protects against overload and reduces 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 from overloading the motor to reduce damage or the eventual risk of damaging the cutter from overheating or movement.



www.walter.com

# ICECUT 100™ AND ICECUT 200™ FEATURES



## 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 operating.



## 2 MANDREL SUPPORT

Absorbs vibrations for added stability and perfect centering. This 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 greatest 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 and without having chips and lubricant all over!



## 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. When you have to carry these units around, or even just to position them, lightweight is essential. With a slim body, simplified carrying handle and powerful magnet, these units were designed with mobility in mind.



## 5 DIRECT ACCESS

Direct access to carbon brushes makes maintenance simple. The powerful motor will always operate at maximum efficiency, and when it comes time to change its carbon brushes, their location and the smart design make maintenance very convenient!



## 6 ERGONOMIC HANDLE

Ergonomic handle with smooth grip – sturdy and lightweight - makes moving easy. Its design further reduces overall weight, and the smooth grip guarantees easy carrying and positioning of the unit.



## 7 QUICK RELEASE REVERSIBLE HANDLE

Quick release reversible handle – allows for positioning in confined or restricted spaces, or simply for convenience.



## 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 neutralise momentum and eliminate dangerous backlash for more safety. Prevents cutter breakage.



## EQUIPPED WITH SAFETY STRAP

For added security when hung upside down or for frame drilling operations.



# ICECUT 100™ AND ICECUT 200™

**NEW**

## ICECUT 100™

The compact and mobile unit

Compact—extra light-weight—perfect when mobility is key.

Price: \$1,698.00



## ICECUT 200™

The versatile unit

Powerful—2-speed—yet only 27 lbs—ideal for a wide range of production or job site operations.

Price: \$1,980.00



### TECHNICAL DATA

Item No.	39-D 100	39-D 200
Watts	850	1200
Speed	1	2 (Slider on motor head)
No load RPM	600	300/600
Amps	8 A	10 A
Capacity (diameter)	1 <sup>3</sup> / <sub>8</sub> " (34,9 mm)	2" (51 mm)
Capacity (depth)	1 <sup>1</sup> / <sub>2</sub> " (38 mm)	2" (51 mm)
Weight	22 lbs (10 kg)	27 lbs (12.2 kg)
Max drill point pressure	1875 lbs (850 kg)	1875 lbs (850 kg)
Reversible handles	Yes	Yes
Overload protection	Yes	Yes
Internal wires	Yes	Yes
	Overload at 15A	Overload at 15A
	Ampmeter integrated	Ampmeter integrated
PROTECTION	Power "ON" led indicator	Power "ON" led indicator
	Material and thickness detector	Material and thickness detector
	Magnetic field sensor	Magnetic field sensor
Guard	Metal, sliding	Metal, sliding
Wiring	Internal	Internal
Lubrication	On motor head	On motor head
Switches	Flush and centered	Flush and centered
Handles	Quick-release reversible	Quick-release reversible
Lift handle	Open with anti-slip support	Open with anti-slip support
Arbor	Removable with support	Removable with support
MAINTENANCE	Easy brush access	Easy brush access
	Sliding track for wires	Sliding track for wires

# ICECUT 100™ AND ICECUT 200™ KITS



Includes a 1/2" chuck adaptor for small hole drilling



For larger hole, 1/2" and above, use magnetic base with standard Weldon shank

Comes in a foam protected casing for the ultimate machine protection

Max diameter (capacity)

Model	Order No.	RPM no-load	Motor	Amps	Twist drill	Annular cutter	Max drilling depth	Magnet strength	Weight	Price
ICECUT 100	39-D 100	600	120 V.A.C	8 A	Stub max 1/2"	1 3/8"	1 1/2"	1875 lbs	22 lbs	<b>\$1,698.00</b>
ICECUT 200	39-D 200	300/600	120 V.A.C	10 A	Jobber's max 1/2"	2"	2"	1875 lbs	27 lbs	<b>\$1,980.00</b>

**STANDARD EQUIPMENT:** 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).

## Straight Drill 716-B – 5/8"



End handle drill with super power heavy-duty motor and 2-speed gear box. Use the low speed to drill large holes with extra torque and the high speed to drill small holes. The reversing feature makes this drill also suitable for tapping applications.

Model	Order No.	Speed under load	Motor	Max. torque	Amps	Capacities - Steel		Weight	Price
						Twist drill	Hole saw		
716-B	38-A 716	0-430/760 rev.	120V A.C.	30/17 Nm	9.2	5/8"	3"	9 lbs	<b>\$715.00</b>

**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.

### Decimal 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 9/16"	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	Aluminum
#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

#### Drilling speeds – RPM HSS drill bits and countersinks

Dia.	Mild steel	Stainless steel	Aluminum and brass	Dia.	Mild steel	Stainless steel	Aluminum and brass
1/16"	4900	2450	6110	3/8"	820	400	1020
3/32"	3250	1600	4070	7/16"	700	350	870
1/8"	2450	1200	3060	1/2"	610	300	760
5/32"	1950	950	2450	5/8"	490	250	610
3/16"	1630	800	2040	3/4"	410	200	510
7/32"	1400	700	1750	7/8"	350	170	440
1/4"	1220	600	1530	1"	305	150	380
5/16"	980	500	1220	1 1/4"	245	120	310

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.

### Tap drill sizes – Metric

SIZE	PITCH mm	DRILL	
		mm	Wire gauge/ fract. equiv.
M2.5	.45	2.0	46
M3	.5	2.5	40
M3.5	.6	2.9	33
M4	.7	3.3	30
M5	.8	4.2	19
M6	1.0	5.0	9
M8	1.25	6.7	17/64"
M10	1.5	8.5	21/64"
M12	1.75	10.2	13/32"

### 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 RPM and feed rates for different materials

#### ANNULAR CUTTERS

Cutter dia.		Mild steel		High tensile steel	Brass	Aluminum
SFM*		80'	Feed	25'	150'	185'
inch	mm	rpm	inch/rev.	rpm	rpm	rpm
9/16"	14	543	.014	170	710	900
5/8"	16	489	.014	153	680	855
1 1/16"	17	444	.017	139	635	800
3/4"	19	407	.021	127	600	750
13/16"	21	376	.021	118	580	735
7/8"	22	349	.021	109	560	710
15/16"	24	326	.021	102	550	695
1"	25	306	.021	95	540	680
1 1/8"	29	272	.028	85	515	635
1 1/4"	32	244	.035	76	475	600
1 3/8"	35	222	.035	69	455	575
1 1/2"	38	204	.042	64	440	550
1 5/8"	41	188	.042	59	425	420
1 3/4"	44	175	.042	55	390	490
1 7/8"	48	163	.042	51	370	465
2"	51	153	.042	48	350	430

Reduce feed rates by 50% for thin walled work pieces, oblique entry, curved surfaces, semi-circles and fragile set-ups.

Increase feed rates by 25% for soft materials and deep hole drilling.

Multiply rpm by 2 for carbide core cut.

\* SFM = Surface Feet per Minute

### Tap drill sizes – Fractional

Tap size	Thread form	Drill size
2-56	NC	50
3-48	NC	47
4-40	NC	43
5-40	NC	38
6-32	NC	36
8-32	NC	29
10-24	NC	25
10-32	NF	21
12-24	NC	16
1/4"-20	NC	7

Tap size	Thread form	Drill size
1/4"-28	NF	3
5/16"-18	NC	F
5/16"-24	NF	17/64"
3/8"-16	NC	5/16"
3/8"-24	NF	21/64"
7/16"-14	NC	U
7/16"-20	NF	25/64"
1/2"-13	NC	27/64"
1/2"-20	NF	29/64"
9/16"-12	NC	31/64"

Tap size	Thread form	Drill size
9/16"-18	NF	33/64"
5/8"-11	NC	17/32"
5/8"-18	NF	37/64"
3/4"-10	NC	21/32"
3/4"-16	NF	11/16"
7/8"-9	NC	49/64"
7/8"-14	NF	13/16"
1-8	NC	7/8"
1-12	NF	15/16"
1-14	NS	15/16"



# POWER TOOLS

NEW DESIGNS  
FOR ULTIMATE  
REMOVAL RATE





VIDEO



www.walter.com

## Power and safety, resulting in optimal efficiency

The new family of corded grinders is designed to exceed your demands, whether it be in grinding, cutting, sanding or cleaning. Each of the eight grinders, including the new Pro 5™, is compact and packs a punch, providing you with the highest removal rate in the industry, while built to last.

We also have classified our grinders by application type; easily find what you are looking for and select the very best tool for your specific needs. Is ultimate safety the key decision factor? Do you need a tool that lets you do it all? Perhaps maximum productivity is really what matters. Rest assured that whichever grinder you select, it will deliver the strongest, most efficient output available.

FEATURES	ZIPCUTTER		SMALL ANGLE GRINDERS			MAXIMUM PRODUCTIVITY		MAXIMUM SAFETY			LARGE ANGLE GRINDERS		SANDERS / POLISHERS			DIALSPEED
	ZIPCUTTER	MINI GRINDER	MINI PLUS	SUPER 5	PRO 5	BIG 6	MINI GRINDER PS	SUPER 5 PS	BIG 6 PS	DURON	MAXI	QS FINISHER	QS BIG-BUFF III	QS LINE-MATE III	DIALSPEED 6141-6145	
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									✓							

\*Paddle switch on models 6352 and 6362 only. \*\*Non-Locking switch available upon request on MAXI models.

# Total performance

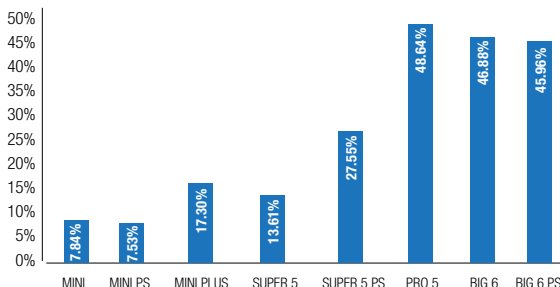
When you combine the most powerful grinders with the aggressiveness of Walter abrasives, you get the best total performance available today. Whether you need to cut, grind or finish, get the job done faster and easier while extending the life of your abrasives. Walter's next generation of grinders is setting new standards in the metalworking industry.

## New grinders with HP XX wheels comparison test

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 the new PRO 5!

## Productivity gain with new grinders compared to closest competitor (using HP XX wheels)



## GENERAL FEATURES NEW GRINDERS

**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.

**DYNAMAX™ electronics** Ensure that spindle RPM speeds remain constant even under load for maximum productivity.

**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** The most efficient system that will reduce the vibrations generated, while in operation. Significantly increases the life of the tool and extends the grinding/sanding disc up to 200%.

**Paddle switch (non-locking)** For added safety, the double action non-locking paddle switch will stop the grinder if you are not holding it.

## 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



## ZIPCUTTER

The only cordless cutter on the market

The ZIPCUTTER cordless angle cutter delivers the highest performance where a power supply is not available and is the only tool on the market able to power a 6" cutting wheel. It is paired with a 18V/ 5.2 Ah battery pack, the most powerful on the market and the only one with a Ventilated Charging System, allowing you to charge faster without damaging the battery. Similar to other state-of-the-art Walter grinders, this cordless cutter leverages the DYNAMAX electronic RPM control which protects the unit from overloading and overheating, 270° rotating battery pack and easy access to the internal carbon brushes.

This cordless cutter features an electronic single cell protection, which prevents the cutter from short-circuiting and emptying the battery prematurely. Its special design prevents misalignment and vibration, allowing for more precise cutting with further stability. This cutter is available in two versions, a 4-1/2" / 5" version and a 6" version.

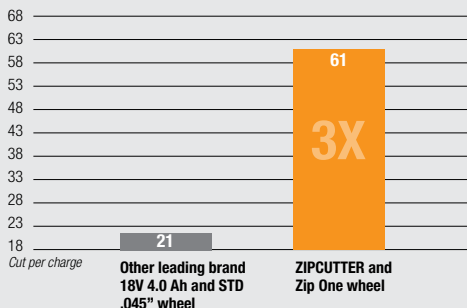
VIDEO



www.walter.com



**ZIPCUTTER, cuts per charge versus other brand in 1/4" x 2" hot rolled steel plate**



**Pair the outstanding power of the ZIPCUTTER with ZIP One, the thinnest cutting wheel on the market, and you get 3 TIMES the amount of cuts to the closest alternative on the market.**

**See ZIP One full listing on page 41**

*More Power = more cuts/charge*

*Thinner wheel = less friction = less drag on the tool for less energy consumption = more cuts/charge*



# ZIPCUTTER

Go cordless!

## Max wheel 6"

(34-B 160) The only cordless cutter available on the market that can accommodate a 6" wheel.



## Features

- A 270° rotating rear housing**  
Allows you to position the battery for added comfort and convenience.
- B Lightweight**  
Even with the most powerful motor inside, it's still the lighter one in this category.
- C DYNAMAX™ electronics**  
Ensure that spindle speeds remain constant even under load for maximum productivity.
- D LED indicator on the tool**  
When lit, it indicates the overload is engaged. When blinking during battery change, it indicates the trigger is in the "ON" position, but will not automatically start, for added safety.
- E Electronic clutch**  
Safety feature that prevents the wheel from spinning in the event of a jam.
- F Detachable dust filter**  
Easy to install and clean avoid from dust & particle inside your cordless cutting tool
- G Electronic single cell protection on battery**  
Prevents the battery from overloading / overheating. Prevents shortage or other battery issues that may arise.
- H LED indicators on battery**  
Clearly indicates the amount of battery power left in increments of 25%.
- I Bevelled gears**  
Increase the life of the cordless cutter. More durable when under load than conventional straight gears. Reduce noises as gears are perfectly seated together.
- J Front armature retaining plate**  
Prevents misalignment under heavy load. Ensures all pieces are kept firmly in place for increased life.
- K Rear armature bushing**  
Absorbs instant impact and reduces vibration while cutting. Added stability and comfort during operation.
- L Spindle lock button**  
The spindle lock is operated with one hand leaving the other hand free for mounting abrasives and tightening the clamping nut with a single wrench.
- M Power switch**  
Safely positioned for cutting operation.

Model	Order No.	Disc dia.	RPM	Spindle thread	Voltage	Weight with battery	Price ea.
050	34-A 150	4.5" / 5"	8,000	5/8"-11	18 V	2.4 kg	<b>\$350.00</b>
060	34-A 160	6"	8,000	5/8"-11	18 V	2.4 kg	<b>\$370.00</b>
045 KIT	34-A 949	4.5"	8,000	5/8"-11	18 V		<b>\$710.00</b>
050 KIT	34-A 950	5"	8,000	5/8"-11	18 V		<b>\$730.00</b>
060 KIT	34-A 951	6"	8,000	5/8"-11	18 V		<b>\$760.00</b>

**STANDARD EQUIPMENT 050/060:** 1 wheel guard (050 = 48-M 519 / 060 = 48-M 520), 1 Anti-vibration handle (32-B 027), 1 flange (30-B 057), nut (30-B 037).

**OPTIONAL ACCESSORY:** 4 1/2" guard (48-M 518)

## ZIPCUTTER kit

**Includes:** 1 ZIPCUTTER (34-A 150 for 045 kit and 050 kit / 34-A 160 for 060 kit), with standard equipment plus carrying case (34-B 013), 2 battery packs 5.2Ah (34-B 001), 1 ventilated charging station (34-B 002), 1 closed guard adaptor (34-B 011 for 045 and 050 / 34-B 012 for 060) and 5 ZIP One (11-T 642 for 045 kit, 11-T 652 for 050 kit, 11-T 662 for 060 kit).

## Exclusive Ventilated Charging System



**Battery pack 5.2Ah**  
Order No.: 34-B 001 - **\$160.00**  
The most powerful battery available on the market. The only battery suitable to handle Walter's aggressive cutting wheels for an extended period of time. More amps for added endurance under load. The only battery that fits with our **Ventilated Charging Station**.



**Ventilated Charging Station 110V-18V**  
Order No.: 34-B 002 - **\$75.00**  
Extends battery life. Integrated fan to cool down the battery. Allows for a faster battery recharge. LED lights incorporated to indicate shortage, overheating or full charge level.

## Accessories



**Closed guard adaptor**  
Order No. 4-1/2": 34-B 010 - **\$15.00**  
Order No. 5-1/2": 34-B 011 - **\$16.00**  
Order No. 6": 34-B 012 - **\$17.00**  
Lightweight and portable. Provides optimal protection while cutting. Easily installed onto the cutting guard. Does not hinder on changing your cutting wheel.



**Carrying case**  
Order No.: 34-B 013 - **\$45.00**  
Conveniently fits your cordless cutter and all standard equipment for easy portability.

**NEW**

# SMALL ANGLE GRINDERS

## MINI™

Order no. 30-A 161 Price: \$340.00

Light, compact and handy

A grinder that you can count on. The Mini™ 4-1/2" grinder is a state-of-the-art features include the new and redesigned Walter anti-vibration handle that makes the grinder comfortable to use, and is also built in features that allows for easy replacement of the wheel in a matter of seconds. The Mini™ now features 100 more watts, with a newly re-designed rear vent to keep the armature cooler. The perfect tool for cutting and grinding applications.



## SUPER 5™ – 5"

Order no. 30-A 150 Price: \$395.00

The perfect intermediate size grinder

The Super 5™ is the perfect intermediate-sized grinder in its family. Now boasting a 10.5A motor, this grinder is the right choice for those jobs that require extra power from a lightweight tool. Put it to the test removing welds, breaking edges, cleaning up shapes and profiles, and cutting off angle iron – and see for yourself the results.



Description	MINI™	SUPER 5™
Model name	6161K	6150i
Order No.	30-A 161	30-A 150
Anti-vibration side handle	✓	✓
Safety clutch	✓	✓
QUICK-R™ instant release function	✓	✓
Tool-free rotating guard	✓	✓
Lock-on switch	✓	✓
AC/DC compatibility	✓	✓
Spindle	5/8" - 11	5/8" - 11
RPM no-load	10,500	11,000
Amperage	9.0 A	10.5 A
Power	900 W	1200 W
Tool weight	4.6 lbs	5.3 lbs
Maximum wheel diameter	4-1/2"	5"
<b>Standard equipment</b>		
Wheel guard type 27	48-M 441	48-M 444
Side handle		30-B 075
Inner flange		30-B 057
QUICK-R™ front nut		30-B 020
<b>Optional equipment</b>		
Close guard adaptor	34-B 010	34-B 011
Manual clamping nut		30-B 037
Nut holder		30-B 023
Pin key wrench		48-Z 148
SPIN-ON™ kit		30-B 024

# VERSATILE SMALL ANGLE GRINDER **NEW**

## MINI PLUS™

Order no. 30-A 255 Price: \$435.00

Resourceful do-it-all grinder

Multi-purpose and most versatile. The Mini Plus™ grinder comes with all the available Walter features, concentrated in a portable and convenient tool. Put it to work taking down welds, cutting tubing, light sanding, or removing rust and paint. No matter the job, the Mini Plus™ is a highly recommended solution for your needs; the perfect fit with today's variety of new accessories that require lower RPMs.



**WARRANTY**  
**LONG-RUN** **24**  
 SERVICEGUARD™  
 Protection Plan MONTHS



Description	MINI PLUS™
Model name	6255J
Order No.	30-A 255
Anti-vibration side handle	✓
Safety clutch	✓
QUICK-R™ instant release function	✓
Tool-free rotating guard	✓
Lock-on switch	✓
AC compatibility only	✓
<b>Stabilizer™</b>	✓
Soft-Start™	✓
Restart protection	✓
<b>DYNAMAX™ RPM monitoring</b>	✓
<b>POWERGUARD™ overheat protection</b>	✓
LED indicator	✓
<b>DIALSPEED™ variable RPM selector</b>	✓
Spindle	5/8" - 11
RPM no-load	2,800 to 10,500
Amperage	9.5 A
Power	1000 W
Tool weight	4.8 lbs
Maximum wheel diameter	5"
<b>Standard equipment</b>	
Wheel guard type 27	48-M 444
Side handle	30-B 075
Inner flange	30-B 057
QUICK-R™ front nut	30-B 020
<b>Optional equipment</b>	
Close guard adaptor	34-B 011
Manual clamping nut	30-B 037
Nut holder	30-B 023
Pin key wrench	48-Z 148
SPIN-ON™ kit	30-B 024

# MAXIMUM PRODUCTIVITY GRINDERS



## PRO 5™

Order no. 30-A 157 Price: \$490.00

Ultra-efficient, comfortable and ideal for lengthy usage

The Pro 5™ is the new addition to the next generation of corded grinders. There is no comparable tool on the market when it comes to removal rates or cutting time for a 5" grinder. Equipped with the new Walter Stabilizer™, DYNAMAX™, Powerguard™, and Soft Start™ technologies, the Pro 5™ is in a class of its own and offers the best features when working in lengthy and highly demanding situations.



## BIG 6™

Order no. 30-A 260 Price: \$545.00

Heaviest in output, light in weight

The Big 6™ is big in its name, and big in its performance capability. The only grinder that can deliver 1,700 watts on a 6" wheel capacity, the Big 6™ is built for heavy duty applications yet does not sacrifice on time or safety. Feel its power and a secure grip thanks to the new Walter Stabilizer™ system, which reduces vibrations and increases the life of each wheel by at least 30%. The Big 6™ also comes with many more safety and other features.



Description	PRO 5™	BIG 6™
Model name	6157A	6260J
Order No.	30-A 157	30-A 260
Anti-vibration side handle	✓	✓
Safety clutch	✓	✓
<b>QUICK-R™ instant release function</b>	✓	✓
Tool-free rotating guard	✓	✓
Lock-on switch	✓	✓
AC compatibility only	✓	✓
<b>Stabilizer™</b>	✓	✓
Soft-Start™	✓	✓
Restart protection	✓	✓
<b>DYNAMAX™ RPM monitoring</b>	✓	✓
<b>POWERGUARD™ overheat protection</b>	✓	✓
LED indicator	✓	✓
Spindle	5/8" - 11	5/8" - 11
RPM no-load	11,000	9,600
<b>Amperage</b>	13.5 A	14.5 A
Power	1550 W	1700 W
Tool weight	5.7 lbs	5.9 lbs
Maximum wheel diameter	5"	6"
<b>Standard equipment</b>		
Wheel guard type 27	48-M 444	48-M 446
Side handle		30-B 075
Inner flange		30-B 057
QUICK-R™ front nut		30-B 020
<b>Optional equipment</b>		
Close guard adaptor	34-B 011	34-B 012
Manual clamping nut		30-B 037
Nut holder		30-B 023
Pin key wrench		48-Z 148
SPIN-ON™ kit		30-B 024

**NEW**

# MAXIMUM SAFETY GRINDERS

## MINI PS™

**Order no.** 30-A 163 **Price:** \$360.00

Safety, portability and convenience

When a non-locking grinder is needed, the Mini PS™ is a great choice. Suitable to work on a generator, the Mini PS™ is ideal job for construction sites. For added safety, the double action non-locking paddle switch will stop when your hand comes off the paddle.



## SUPER 5 PS™

**Order no.** 30-A 153 **Price:** \$420.00

Safety and performance

Press down on the double action safety paddle switch and within seconds you'll start removing welds or cutting metal. Now equipped with DYNAMAX™, you will be able 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!



## BIG 6 PS™

**Order no.** 30-A 263 **Price:** \$560.00

Heavy-duty safety

Enjoy all the features of the Big 6™ plus added safety measures as the Big 6 PS™ now comes with a mechanical brake to stop the grinder within 2 seconds of relieving the trigger. The Big 6 PS™ is the safest heavy duty grinder that also comes with a Walter Stabilizer™ to reduce vibrations and enable the end user to easily cut, grind, sand and finish thick pieces of metal.



Description	MINI PS™	SUPER 5 PS™	BIG 6 PS™
Model name	6163A	6153A	6263B
Order No.	30-A 163	30-A 153	30-A 263
Anti-vibration side handle	✓	✓	✓
<b>Safety clutch</b>	✓	✓	✓
QUICK-R™ instant release function	✓	✓	✓
Tool-free rotating guard	✓	✓	✓
Non-locking paddle switch	✓	✓	✓
<b>Mechanical brake system</b>			✓
<b>AC/DC compatibility</b>	✓		
AC compatibility only		✓	✓
Stabilizer™			✓
<b>Soft-Start™</b>		✓	✓
<b>Restart protection</b>		✓	✓
DYNAMAX™ RPM monitoring		✓	✓
POWERGUARD™ overheat protection		✓	✓
LED indicator		✓	✓
Spindle	5/8" - 11	5/8" - 11	5/8" - 11
RPM no-load	10,500	11,000	9,600
Amperage	8.5 A	13.5 A	14.5 A
Power	900 W	1550 W	1700 W
Tool weight	4.6 lbs	5.5 lbs	6.2 lbs
Maximum wheel diameter	4-1/2"	5"	6"
<b>Standard equipment</b>			
Wheel guard type 27	48-M 441	48-M 444	48-M 446
Side handle		30-B 075	
Inner flange		30-B 057	
QUICK-R™ front nut		30-B 020	
<b>Optional equipment</b>			
Close guard adaptor	34-B 010	34-B 011	34-B 012
Manual clamping nut		30-B 037	
Nut holder		30-B 023	
Pin key wrench		48-Z 148	
SPIN-ON™ kit		30-B 024	

## DURON™ GRINDERS

### DURON 5"™

Order no. 30-A 350 Price: \$318.95

Order no. 30-A 352 Price: \$318.95

### DURON 6"™

Order no. 30-A 360 Price: \$318.95

Order no. 30-A 362 Price: \$318.95

Powerful heavy duty midsize long tail grinders

This class of industrial angle grinders have set a new standard in performance, safety and operator comfort. The extremely powerful motor delivers impressive torque to the spindle to get more work done faster, guaranteed. The compact and rugged construction will outperform and last longer in the most demanding grinding, bevelling, cutting and cleaning applications.



#### WARRANTY

LONG-RUN  
SERVICEGUARD™  
Protection Plan

24  
MONTHS



Description	DURON™ 5"		DURON™ 6"	
	6350C	6352C	6360C	6362C
Model name	6350C	6352C	6360C	6362C
Order No.	30-A 350	30-A 352	30-A 360	30-A 362
Lock-on switch	✓		✓	
Non-locking switch		✓		✓
AC/DC compatibility	✓	✓	✓	✓
Swivel rear handle	✓	✓	✓	✓
Spindle	5/8" - 11	5/8" - 11	5/8" - 11	5/8" - 11
RPM no-load	10,000	10,000	10,000	10,000
Amperage	12 A	12 A	12 A	12 A
Power	1400 W	1400 W	1400 W	1400 W
Tool weight	6.2 lb	6.2 lb	6.2 lb	6.2 lb
Tool length	17"	17"	17"	17"
Maximum wheel diameter	5"	5"	6"	6"
<b>Standard equipment</b>				
Wheel guard	48-L 100		48-M 215	
Side handle			32-B 015	
Inner flange			30-B 057	
Clamping nut			30-B 037	
Pin key wrench			48-Z 148	
<b>Optional equipment</b>				
Nut holder			30-B 023	

# MAXI GRINDERS™

## MAXI 7"™

Order no. 30-A 170 Price: \$540.60

## MAXI 9"™

Order no. 30-A 190 Price: \$540.60

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 motor translates into less heat and 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.



Description	MAXI 7"™	MAXI 9"™
Model name	6170i	6190i
Order No.	30-A 170	30-A 190
Anti-vibration side handle	✓	✓
Lock-on switch	✓	✓
Non-locking switch	Available upon request	Available upon request
AC/DC compatibility	✓	✓
Swivel rear handle	✓	✓
Spindle	5/8" - 11	5/8" - 11
RPM no-load	8,500	6,800
Amperage	15 A	15 A
Power	2400 W	2400 W
Tool weight	12.8 lbs	12.8 lbs
Maximum wheel diameter	7"	9"
<b>Standard equipment</b>		
Wheel guard	48-M 472	48-M 517
Side handle		48-M 401
Inner flange		30-B 036
Clamping nut		30-B 037
Pin key wrench		48-M 483
<b>Optional equipment</b>		
Cut-off guard	34-B 065	34-B 066

# SANDER-POLISHER

## QUICK-STEP FINISHER™

Order no. 30-A 275 Price: \$514.35

The perfect tool for surface finishing and polishing

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. It now covers a wider range of RPMs, and possesses all the latest electronic safety controls. The QUICK-STEP Finisher is the smartest sanding and polishing tool out there!



WARRANTY  
LONG-RUN  
SERVICEGUARD™  
Protection Plan  
24  
MONTHS

## QUICK-STEP FINISHER KIT

Order no. 30-A 277 Price: \$598.35

**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	✓
<b>Safety clutch</b>	✓
QUICK-R™ instant release function	✓
Lock-on switch	✓
AC compatibility only	✓
Soft-Start™	✓
Restart protection	✓
<b>DYNAMAX™ RPM monitoring</b>	✓
<b>POWERGUARD™ overheat protection</b>	✓
LED indicator	✓
<b>DIALSPEED™ variable RPM selector</b>	✓
Spindle	5/8" - 11
RPM no-load	2,000 to 7,000
Amperage	12.2 A
Power	1550 W
Tool weight	5.5 lbs
Maximum wheel diameter	6"
<b>Standard equipment</b>	
Wheel guard type 27	48-M 446
Side handle	30-B 075
Inner flange	30-B 057
QUICK-R™ front nut	30-B 020
<b>Optional equipment</b>	
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 Price: \$892.25

The perfect tool for metal polishing

Specifically designed to get the most out of the QUICK-STEP surface finishing system. Whether you sand, buff or polish, the QUICK-STEP BIG-BUFF III will provide you with a uniform, top quality finish and reduced finishing times.



### QUICK-STEP BIG-BUFF III KIT – 4 1/2"

Order no. 30-A 267 Price: \$991.95

**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 white polishing paste (07-T 901), 1 blue polishing paste (07-T 905), 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 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
Amperage	12.4 A
Power	1500 W
Tool weight	6 lbs
Maximum wheel diameter	6"
<b>Standard equipment</b>	
Side handle	48-A 054
Flange	30-B 057
Manual clamping nut	30-B 037
Pin key wrench	48-Z 148

# DRUM SANDER

## QUICK-STEP LINE-MATE III™

Order no. 30-A 268 Price: \$939.45

The professional choice for line finishing

The Line-Mate III surface finishing system is the most versatile method for all applications where a linear scratch pattern is required. Its powerful motor will help you complete even the toughest jobs with ease. RPM will remain constant even under load for a consistent and uniform finish. Find the most complete range of products to match the line finish required for your applications (See pages 86–92).



## LINE-MATE III™ KIT

Order no. 30-A 269 Price: \$1,233.40

**Includes:** 1 Line-Mate III™ with standard equipment plus carrying case, 1 pneumatic drum, no. 07-F 051, 6 cloth drum belts (2 each grit: 60, no. 07-F 506, 80, no. 07-F 508 and 120, no. 07-F 511, 2 BLENDEX drum belts (Coarse: no. 07-H 502, medium: no. 07-H 503), 1 TWO-IN-ONE drum (4 1/4" x 4", no. 07-K 442) and 1 BLENDEX drum (4 1/4" x 4" medium, no. 07-M 443).



Description	QUICK-STEP LINE-MATE III™
Model name	6268C
Order No.	30-A 268
Lock-on switch	✓
AC compatibility 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
Amperage	12.4 A
Power	1500 W
Tool weight	6 lbs
Maximum wheel diameter	4-1/2" diameter x 4" length
<b>Standard equipment</b>	
Side handle	48-Z 034
Manual clamping nut	30-B 037
Pin key wrench	48-Z 148
Flange	30-B 057

# POINT GRINDER

## DIALSPEED™ 6141

Order no. 30-A 141 Price: \$610.90

For fitting and finishing work

This 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 well known quality construction of the motor deliver more power to the spindle while the ergonomic housing minimizes fatigue. You need speed for deburring applications? This is the perfect tool to use with carbide burrs.



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 compatibility only	✓
<b>Soft-Start™</b>	✓
Restart protection	✓
<b>DYNAMAX™ RPM monitoring</b>	✓
<b>POWERGUARD™ overheat protection</b>	✓
<b>DIALSPEED™ variable RPM selector</b>	✓
Collet	1/4"
RPM no-load	10,000 to 30,500
Amperage	6.4 A
Power	710 W
Tool weight	4.2 lbs
Tool length	13.75"
Maximum wheel diameter	1.5"
<b>Standard equipment</b>	
1/4" collet	30-B 046
Spanner	48-Z 019
<b>Optional equipment</b>	
Cutting guard	30-B 051

# STRAIGHT GRINDER

## DIALSPEED™ 6145

Order no. 30-A 145 Price: \$610.90

For finishing, mechanical cleaning and polishing work

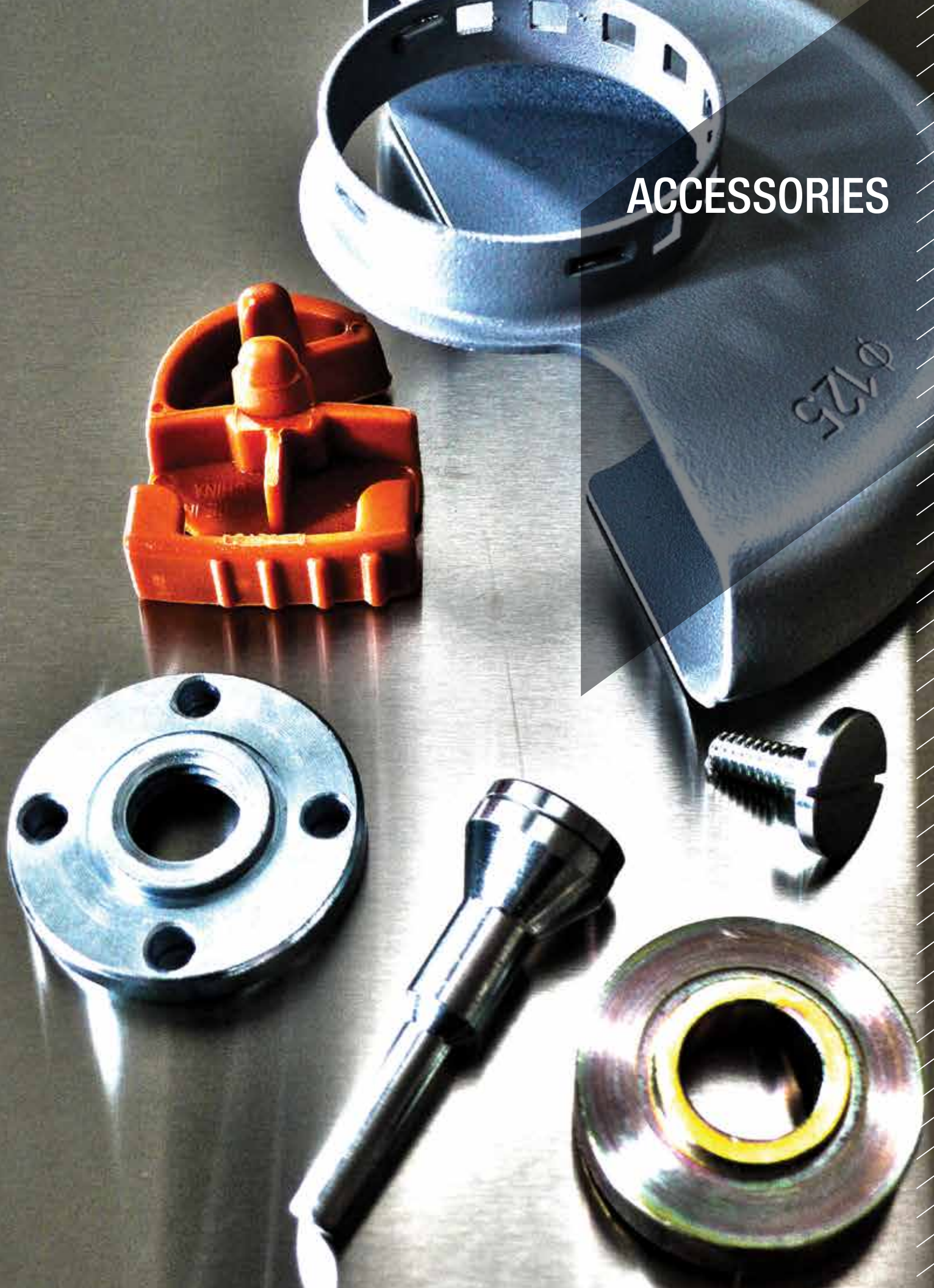
A specialized tool to accomplish the finest job, with mounted flap wheel or mounted wire brushes. The newly designed planetary gears allow you to get closer to the work piece, producing a uniform and straight finish. Excellent to clean up, polish and reach into confined spaces. You need torque? This is the perfect tool for a professional job.

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 compatibility only	✓
<b>Soft-Start™</b>	✓
Restart protection	✓
<b>DYNAMAX™ RPM monitoring</b>	✓
<b>POWERGUARD™ overheat protection</b>	✓
<b>DIALSPEED™ variable RPM selector</b>	✓
Collet	1/4"
RPM no-load	2,500 to 8,700
Amperage	8.5 A
Power	950 W
Tool weight	4.3 lbs
Tool length	14"
Maximum wheel diameter	1.5"
<b>Standard equipment</b>	
Side handle	48-L 555
1/4" collet	30-B 046
Spanner	48-Z 019
<b>Optional equipment</b>	
Cutting guard	30-B 051

# ACCESSORIES



## Threaded throw-away adaptors

(Pages 51–58)

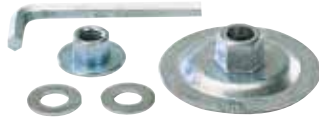
	Order No.	Price	
For 1/8" wheels (5/8"NC)	08-B 002	\$7.45	
For 1/4" wheels (5/8"NC)	08-B 001	\$7.45	
For 1/2" wheels (5/8"NC)	08-B 003	\$4.25	

## Reusable adaptor kit

(Pages 51–58)

For depressed center wheels

Order No. 08-B 031 - \$40.50




## Mandrels for ZIP wheels

(Page 44-45)

### Flush mounting mandrels


with 1/4" shaft, for wheel thickness up to 1/8"

	Order No.	Price	
For 2 and 3" wheels, 1/4" and 3/8" arbor	11-L 007	\$29.20	
For 2" wheels, 5/16" arbor	11-L 001	\$26.40	


For 3" and 4" wheels, 1/4" arbor	11-L 006	\$26.40
For 3" and 4" wheels, 3/8" arbor	11-L 003	\$26.40

### General purpose mandrels

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

	Order No.	Price	
For 2" wheels, 3/8" arbor	11-L 008	\$14.70	
For 2" wheels, 5/16" arbor	11-L 002	\$12.70	
For 3" and 4" wheels, 3/8" arbor	11-L 004	\$15.35	

### General purpose mandrels

	Order No.	Price	
with 5/16" shaft	11-L 005	\$15.25	
For 3" and 4" wheels, 3/8" arbor	11-L 005	\$15.25	

## Mandrel for finishing wheels

(Page 80)

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

Order No. 07-C 003 - \$19.95




## Mounting accessories for FX wheels

(Page 83)

Mandrels for use on straight grinders and drills

### For use with 4" FX wheels

	Order No.	Price	
1/4" shaft	07-X 004	\$19.65	
8 mm shaft	07-X 003	\$19.65	

### For use with 6" FX wheels

1/4" shaft	07-X 006	\$20.15
8 mm shaft	07-X 005	\$20.15



## Extension mandrels for use on angle grinders

M14 x 2.0 thread	07-C 005	\$47.25
5/8"-11 thread	07-C 006	\$47.25

Two wheels can be mounted on each mandrel.



## 1/4" shaft for TWIST backing pads

(Page 100)

with 1/4"-20 thread

For 2" and 3" pads  
Order No. 04-X 001 - \$3.95



## Wheel dressers

(Page 62)

### For bench grinder wheels

Standard type  
Order No. 12-E 001 - \$56.20

Heavy-duty  
Order No. 12-E 002 - \$80.55



### Replacement wheels

	Order No.	Price
Set for 12-E 001	12-E 004	\$6.00
Set for 12-E 002	12-E 005	\$13.70

## Wire brush adaptors and mandrels

(Pages 105-108)

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

	Order No.	Price
To M10 × 1.25 female	13-D 001	\$7.50
To M10 × 1.5 female	13-D 002	\$7.50
To 3/8"-24 female	13-D 003	\$8.55
To 3/8"-16 female	13-D 007	\$8.45



Use these mandrels for double-sided knot-twisted mounted brushes.

To fit with 13-C 303 (3/8" X 1/4")	13-D 008	\$3.25
To fit with 13-C 404 (1/2" X 1/4")	13-D 009	\$3.50



## Clamping flanges

Clamping flange set to mount

9" cut-off wheels on

5/8"-11 spindles

Order No. 30-B 022 - \$68.00



## SPIN-ON performance kit

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.

Order No. 30-B 024 - \$4.45



## Mounting flanges

5/8"-11 clamping nut for 6150, 6161, 6170, 6190, 6255, 6260, 6350 and 6360.

Order No. 30-B 037 - \$4.75



Special clamping flange for 5/8"-11 spindle, for wheels less than 1/8" thick.

Order No. 30-B 017 - \$21.00



## Quick release backing flange

For quick and easy removal of wheel

Order No. 30-B 057 - \$13.90



Special heat resistant silicone ring for retention of the back flange to the spindle.

Package of 10.

Order No. 30-B 027 - \$3.95



Quick release nut

M14 × 2.0 spindle Order No. 30-B 016 - \$21.00

Quick nut 5/8"-11 Order No. 30-B 020 - \$24.10



## Flanges for flush mounting wheels

Less than 1/8" thick

For Walter grinders with:

5/8"-11 spindle

Order No. Price

30-B 017 \$21.00



## Flush mounting set

for other brands of grinders with:

5/8"-11 spindle

(includes special flange and clamping nut)

30-B 021 \$33.85



## Spacer washers

For grinders with:

5/8"-11 spindle

Order No.

07-Q 001 \$2.35



M14 × 2.0 spindle

07-Z 005 \$2.20



## Pin keys

Pin key for clamping nuts

15-H 009, 15-H 010, 15-H 011, 15-H 012,

15-D 013 and 15-H 024

Order No. 15-H 021 - \$10.80



For all other

clamping nuts

Order No. 48-Z 148 - \$9.20



## Side handles

Size

4-1/2", 5" and 6"

7" and 9"

Quick-Step Big Buff

Line-Mate III

6145 straight grinder

Order No.

32-B 027

48-M 401

48-A 054

48-A 034

48-L 555

Price

\$34.35

\$23.50

\$4.45

\$3.70

\$8.20



## Nut holder

Order No. 30-B 023 \$34.35

Thread your clamping nut directly on your grinder when not in use. Prevents losses.



### Carrying case

Sturdy steel carrying case with protective foam and ample room for accessories.  
For 6141, 6145, 6150, 6161, 6255, and 6260 grinders.

**Order No.** 30-B 010 - **\$81.60**



### Flexible shaft

For delicate finishing work with 6141 and 6145.  
1/4" collet, 5 ft. long.

**Order No.** 30-B 050 - **\$401.50**



### Bench mount

For use with flexible shaft, for 6141 and 6145.

**Order No.** 30-B 002 - **\$89.30**



### Replacement collets

For 6141 and 6145.

Size	Order No.	Price
1/4"	30-B 046	36.45
1/8"	30-B 047	31.20
6 mm	30-B 048	30.45



### Special "Top-Up" lubricants

For models: 6145, 6150, 6161, 6170, 6190, 6255, 6260, 6265, 6268, 6330, 6350, 6352, 6360 and 6362.

**Order No.** 48-Z 392 - **\$14.90**



### Carbon brush Diamond brush seating stick

**Order No.** 48-Z 449 - **\$30.90**



### Spouts



53-L 113\*    53-L 207\*    53-L 209    53-L 210\*

\* Allows to fill 500 ml trigger sprayer bottles or any other larger container directly.

Description	Order No.	Price
Spout for 5 L plastic pail	53-L 113	\$12.60
Spout for 20 L square plastic pail	53-L 207	\$22.85
Spout for 208 L plastic drum	53-L 209, 2" NPT	\$69.25
	and 53-L 210, 3/4" NPT	\$8.40
Spout for 200 L metal drum	53-L 209, 2" NPT	\$69.25

### Accessories for air grinders

**Order No.**    **Price**

Use these adaptors to convert accessories with 5/8"-11 arbors

To 3/8"-16 (male)	13-D 004	\$38.55
To 1/16"-24 (male)	13-D 005	\$38.55



Use these extensions to mount accessories

With 3/8"-24 on spindles with 3/8"-24 thread	08-B 006	\$42.35
With 3/8"-24 on spindles with 7/16"-20 thread	08-B 005	\$40.50
With 5/8"-11 on spindles with 1/2"-13 thread	08-B 008	\$59.70



Clamping nut for use with above extension 3/8"-24 thread, to mount grinding wheels with 5/8" arbor

**Order No.** 08-B 007    **\$27.70**



Mounting flange to mount 4" type 27 grinding wheels on air grinders with 3/8"-24 spindle

**Order No.** 08-B 004    **\$35.60**



### Cutting guard

Designed to make all cutting operations even safer.

Size	Order No.	Price
3"	30-B 051	\$55.90
4 1/2"	30-B 062	\$67.40
5"	30-B 063	\$67.40
6"	30-B 064	\$71.40
7"	30-B 065	\$69.25
9"	30-B 066	\$75.60



### Working gloves

Made of 100% Black Goatskin leather, with a neoprene insert that reduces vibrations. The thumb curve is made with Kevlar™, a natural anti-slip solution.

Size	Order No.	Price
Large	30-B 093	\$43.50
Extra-Large	30-B 095	\$43.50



### Refillable trigger sprayer

Clearly identified with product specific labels showing product features, WHMIS information and directions for use.



Description	Size		Order No.	Std Pkg	Price
	Metric	US Gal			
E-Weld	950 ml	32.1 oz	53-L 321	1	\$6.60
E-Weld 3	950 ml	32.1 oz	53-L 320	1	\$6.60
E-Weld 4	950 ml	32.1 oz	53-L 338	1	\$6.60



We would like to thank all of our end-users who allowed us to perform photo shoots at their locations

Photography: Studio Graetz  
Design: Sylvain Sauvé Branding

# CUMMINS | WEIGH PACK | VALTECH





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54A006	SURFOX-T WELD 5L	15	54B076	54X32MM STENCIL	20
54A007	SURFOX-T WELD/20L	15	54B077	85X54MM STENCIL	20
54A008	SURFOX-T WELD/208L	15	54B078	128X85MM STENCIL	20
54A023	SURFOX-N SPRAYER/500ML	15	54B080	STANDARD SURFOX MARKING KIT	20
54A026	SURFOX-N SPRAYER/ 5L	15	54B082	MARKING/ETCHING WAND COMPLETE	20
54A027	SURFOX-N 20L	15	54B083	MARKING PADS-PKG/20	20
54A028	SURFOX-N 208L	15	54B084	SMART PRO MARKING KIT/PRINTER	19
54A031	SURFOX MARKING SOLUTION/ 100ml	20	54B086	STENCIL ROLL 100mm X 20mt	20
54A036	SURFOX MARKING SOLUTION/ 5L	20	54B087	STENCIL ROLL 100mm X 50mt	20
54A041	SURFOX ETCHING SOLUTION/ 100ml	20	54B088	GRAPHITE MARKING INSERT 35X10mm	20
54A050	REPLACEMENT CARTRIDGE PASS TEST	23	54B089	O-RINGS FOR MARKING KIT - PKG/5	20
54A051	MOLYBDENUM REAGENT/100ML	24	54B090	Surfox POWERCLOTH- PKG/10	18
54A052	REPLACEMENT CARTRIDGE/ SS TEST	24	54B092	CARTRIDGE REFILLING PUMP MINI	13, 14
54A061	SURFOX-G / 100ML/ PKG/6	15	54B094	WAND HOLDER SURFOX 304	12, 13
54A065	SURFOX-G / 1.5L	15	54B095	CARBON FIBER BRUSH 304-PKG/5	12
54A066	SURFOX-G / 5L	15	54B097	CARBON FIBER BRUSH MINI-PKG/5	18
54A067	SURFOX-G / 20L	15	54B099	SPARE BRUSH ADAPTER 304	12
54A068	SURFOX-G ELECTROLYTE SOLUTION/ 208L	15	54B100	SPARE BRUSH ADAPTER MINI	18
54A073	SURFOX PRE-WELD/500ML	16	54B101	TRIANGULAR SLEEVE LARGE WAND 304	12
54A076	SURFOX PRE-WELD/ 5L	16	54B102	CYLINDRICAL SLEEVE LARGE WAND 304	12
54A077	SURFOX PRE-WELD/ 20L	16	54B103	CYLINDRICAL SLEEVE MICRO WAND	18
54A083	SURFOX RENEW/500ML	16	54B104	WAND HOLDER SURFOX 104	13
54A086	SURFOX RENEW/ 5L	16, 82	54B133	MICRO WAND AND BRUSH KIT	18
54A087	SURFOX RENEW/ 20L	16	54D054	SURFOX MINI	14
54A093	SURFOX SHINE/500ML	16	54D114	SURFOX 104/ 120V	13
54A096	SURFOX SHINE/ 5L	16	54D214	SURFOX 204/ 120V	13
54A097	SURFOX SHINE/ 20L	16	54D314	SURFOX 304 MIG & TIG Weld cleaning system with new wand	12
54B002	SURFOX CLAMP RING PKG/10	12, 13, 14, 18	54T001	STAINLESS STEEL TEST	24
54B003	DRIP GUARD	13	54T011	ST. STEEL PASSIVATION TEST BLUETOOTH	23
54B005	CLEANING BOOT - 90 DEG/5PK	12, 13, 14	55F058	AF-Weld HT 208L	32
54B006	CLEANING BOOT - 60 DEG/5PK	12, 13, 14, 17	57 F 055	AF-Weld HT 10L	32
54B007	NARROW CLEAN BOOT-90 DEG/5	12, 13, 14, 17	57B001	VALVE KIT FOR AF-WELD	30
54B008	NARROW CLEAN BOOT-60 DEG/5	12, 13, 14, 17	57B003	Straw filter for refillable sprayer bottle	30
54B009	LARGE GRAPHITE INSERT FOR 204	12, 13	57B110	AF-WELD REFILLABLE SPRAYER	30, 31, 32
54B012	TUNGSTEN INSERTS KIT/SURFOX	12, 13	57B115	AF-Weld HT refillable sprayer bottle	32
54B016	TUNGSTEN INSERT - 60 DEG.	12, 13, 17, 18	57D110K	AIR FORCE AF-WELD KIT	31, 32
54B017	NARROW INSERT - 90 DEG.	12, 13, 17, 18	57D120K	AF-Weld High Temperature bag-in-box starter Kit	32
54B018	NARROW INSERT - 60 DEG.	12, 13, 17, 18	57D210K	AIR FORCE AF-WELD DRUM KIT	31, 32
54B020	NARROW CLAMP RING PKG/10	12, 13, 17, 18	57D220K	AF-Weld HT drum starter Kit	32
54B025	CLEANING BOOT- PKG/ 5	17	57F005	AF-WELD 10L BAG IN BOX	30, 31, 32
54B026	SURFOX CLEANING PAD-PKG/10	12, 13, 14, 17	57F008	AF-WELD 208L DRUM	30, 31, 32
54B027	CLEANING BOOT - PKG 10	12, 13, 14, 17			
54B028	NARROW CLEAN BOOT-90 DEG/10	12, 13, 14, 17			
54B033	MICRO WAND AND TUNGSTEN INSERT KIT	18			
54B036	TUNGSTEN INSERT-90 DEG/MINI	14, 17, 18			
54B037	TUNGSTEN INSERT-60 DEG/MINI	14, 17, 18			
54B038	NARROW INSERT-90 DEG/MINI	14, 17, 18			
54B039	NARROW INSERT-60 DEG/MINI	14, 17, 18			
54B040	STANDARD SURFOX PAD -PKG/10	12, 17, 14			





# Authorized service centers

## ALBERTA

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### *Calgary*

#### **COMPLETE POWER TOOL SERVICES**

Bay 9, 7139-40th Street SE, T2C 2H7  
403 720-0445

### *Edmonton*

#### **CELTIC INDUSTRIAL TOOLS AND REPAIR LTD**

5736-103A Street, T6H 2J5  
780 431-0970

#### **DAN S POWER TOOL REPAIR SERVICE INC.**

8149 Wagner Road NW, T6E 4N6  
780 490-1955

#### **QUALITY TOOL REPAIR LTD**

11420-156 Street NW, T5M 3N2  
780 702-1686

## BRITISH COLUMBIA

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### *Kelowna*

#### **CENTRAL ELECTRIC MOTOR REWIND LTD**

104-1765 Springfield Road, V1Y 5V5  
250 860-4415

### *Richmond*

#### **RAMTORC TOOLS (1991) INC.**

160-11960 Hammersmith Way, V7A 5C9  
604 271-3220

## MANITOBA

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### *Winnipeg*

#### **ACCUTOOL INDUSTRIAL SOLUTIONS**

(A division of the FRS Group Inc.)  
532 Berry Street, R3H 0R9  
204 772-6523

#### **ATHENA SMALL**

## EQUIPMENT REPAIR

1474 Wellington Ave, R3E 0K5  
204 786-1900

## NEWFOUNDLAND

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### *St. John's*

#### **RIDEOUT TOOL & MACHINES INC.**

222 Kenmount Road, A1B 3R2  
709 754-2240

## NOVA SCOTIA

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### *Dartmouth*

#### **DEITER'S TOOL & SAW SERVICE LTD**

100 Joseph Zatzman Drive, B3B 1N8  
902 468-4888

## ONTARIO

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### *Brantford*

#### **TOLHURST POWER TOOL REPAIR**

53 Hill Avenue, N3R 4G8  
519 755-6277

### *Cornwall*

#### **D-TECH POWER TOOL SERVICE**

1112 Marleau Ave, K6K 2W8  
613 938-9157

### *Hamilton*

#### **ACTIVE TOOL REPAIR**

955 Barton Street E, L8L 3C4  
905 545-7646

### *Innerkip*

#### **KC'S REPAIR CENTER**

156 Blandford Street, NOJ 1M0  
519 469-3351

### *Kitchener*

## RMW ELECTRIC INC.

350 Shirley Ave., Unit 6, N2B 2E1  
519 744-1821

### *London*

#### **PRYDE INDUSTRIAL INC.**

542 Newbold Street, N6E 2S5  
519 690-1111

### *Mississauga*

#### **MISSISSAUGA REPAIR CENTER**

3120 Glen Erin Drive, L5L 1R6  
905 828-1565

### *North Bay*

#### **GATEWAY PROFESSIONAL TOOLS**

790B Cassells Street, P1B 4A4  
705 495-4906

### *Ottawa*

#### **MYTEK POWER TOOLS SERVICE**

1541 Star Top Road, K1B 3W5  
613 749-7294

#### **OTTAWA FASTENER SUPPLY LTD**

2205 Robertson Road, K2H 5Z2  
613 828-4117

### *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 Street E, L8E 2L2  
905 544-5202

**QUÉBEC****Alma****RÉPARATION INDUSTRIELLES  
LAC ST-JEAN**

1950 ave Lamountain Nord, G8B 4Y1  
418 668-3350

**Anjou****DORSON LTÉE**

8551 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 Cowie, J2G 3X4  
450 378-0049

**Laval****SERVICE D'OUTILS F.G.L. INC.**

949 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 Andover, H4T 1H8  
514 733-3555

**Montmagny****RÉPARATION ÉLECTRIQUE  
MONTMAGNY INC.**

170 4<sup>ème</sup> rue, G5V 3L5  
418 248-2072

**Montréal****J. CARRIER FOURNITURES  
INDUSTRIELLES**

100 rue de Port Royal Est, H3L 1H7  
514 384-9021

**Plessisville****SERVI MAX**

1124 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

**LES ENTREPRISES KAR-BAT INC.**

275 boul. Louis XIV, G2K 1W6  
418 627-7272

**RÉPARATION D'OUTILS  
RAYMOND MARTEL INC.**

2025 rue Lavoisier  
Local 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 Matapedia, J9X 1R4  
819 762-4446

**ÉQUIPEMENTS TNO (2005) INC.**

325 Boul. Industriel, J9X 6P2  
819 764-3221

**Sept-Îles****DISTRIBUTIONS JRV INC.**

818 Boulevard Laure Unite 101  
G4R 1Y8  
418 962-9457

**Sherbrooke****DO-MAR ÉLECTRIQUE INC.**

1136 rue King Est, J1G 1E4  
819 563-2234

**St-Antonin****ALAIN MAILLOUX DYNATECH**

788 Chemin Rivière-Verte, GOL 2JO  
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 des Oblats Nord, J9X 1J1  
819 629-3143



# 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**.

## Walter Surface Technologies

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5977 Trans Canada Highway  
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Toll free: 1 800 363-7368  
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Tel.: 780 451-2053  
Toll free: 1 866 435-1271  
Fax: 780 453-1589

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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

**For product information  
or a demonstration  
at your facility call toll free  
1-888-592-5837  
Or visit: [walter.com](http://walter.com)**



Walter is proud to have its Research, Development and Distribution Quality System certified under the International Standard ISO 9001: 2008.

MEMBER OF



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