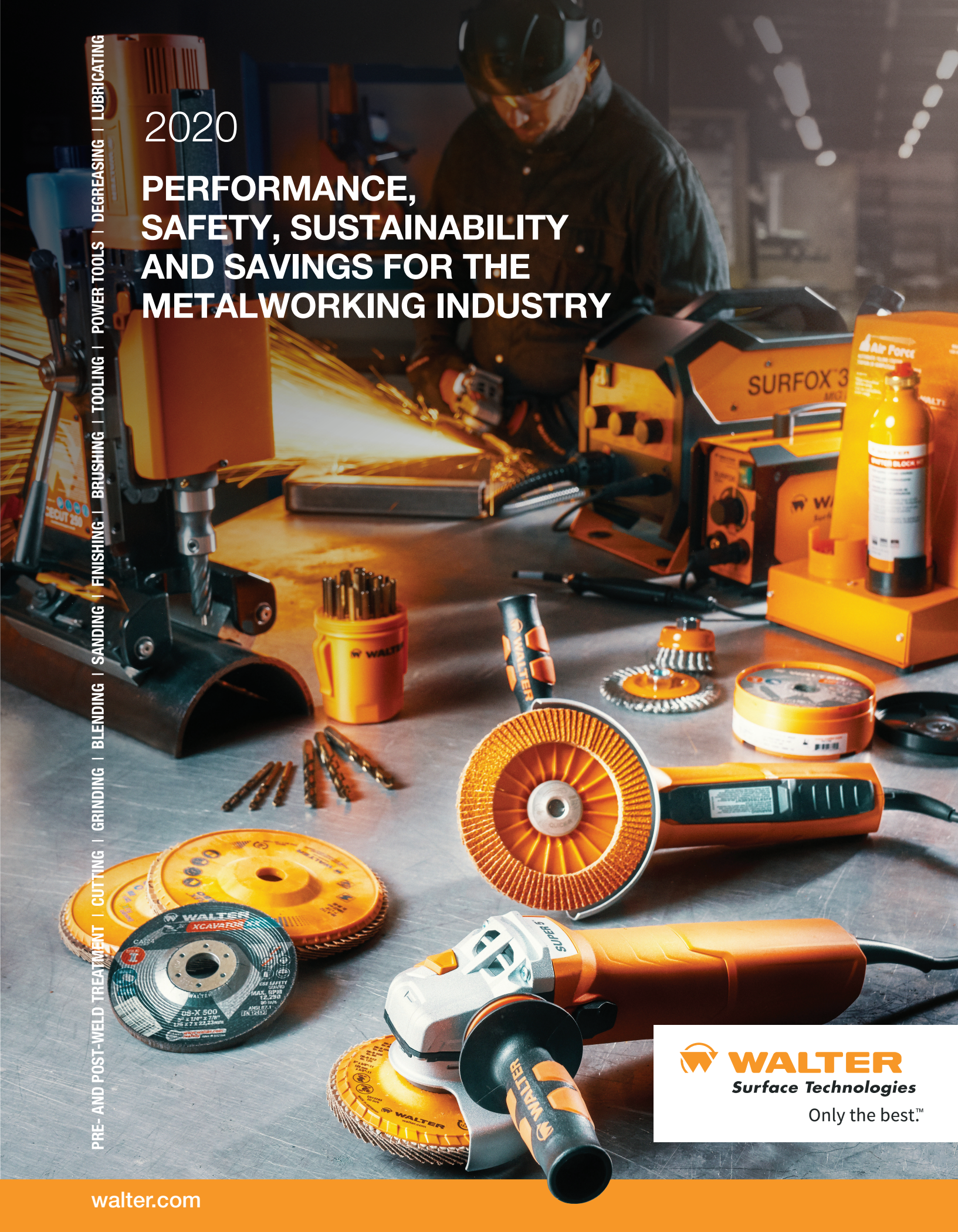


PRE- AND POST-WELD TREATMENT | CUTTING | GRINDING | BLENDING | SANDING | FINISHING | BRUSHING | TOOLING | POWER TOOLS | DEGREASING | LUBRICATING

2020

# PERFORMANCE, SAFETY, SUSTAINABILITY AND SAVINGS FOR THE METALWORKING INDUSTRY



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

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

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

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

## **PROVIDED SOLUTIONS**

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



# PARTNERSHIP IN PRODUCTIVITY PROGRAMS

## CHEMICAL AUDITS AND PROCESS OPTIMIZATION

*Increased productivity and safety through professional audits*

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



## SAFETY SEMINARS AND INDUSTRY TRAINING

*Because health and safety are top priority*

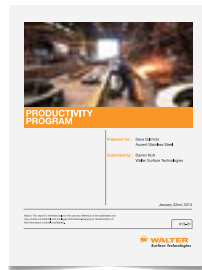
As an addition to Walter's value-added services, we offer FREE Safety Seminars to encourage a safer work environment. Whether it is the Abrasives Safety Seminar or the Chemical Safety Seminar that you are interested in, Walter works with you to customize the perfect training for your team. We provide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



## PRODUCTIVITY REPORTS

*Working to positively impact your business*

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



## THE BUCKET PROGRAM

*Evaluation of cost savings potential and improved worker safety*

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



## PRODUCT DEMONSTRATION

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




## THE MONEY MAKER GUARANTEE

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

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



# NEW PRODUCTS FOR 2020

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

## XCAVATOR XX™

*Ultra-fast material removal and comfort*

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



## GRINDER GRIP™

*Keep idle tools safe and close*

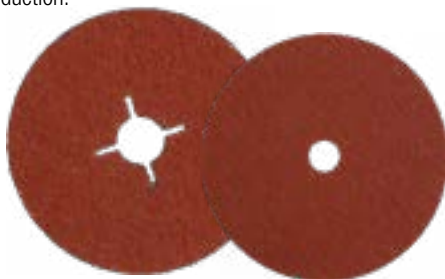
The magnetic Grinder Grip™ makes work easier, safer and convenient. Attach the magnet to your grinder for adhesion to any ferrous metal surface. Keep tools and abrasives out of harm's way when not in use.



## XTRACUT™

*Exceptional sanding performance on steel*

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



## RUBBER BACKING PADS

*Better performance. Greater flexibility*

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



## AIR FORCE™ SYSTEMS

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

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



## SURFOX™ TURBO

*Powerful. Compact. Reliable!*

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



# NEW PRODUCTS FOR 2020

## GOLD MATRIX READY™

*Contaminants are no match for Gold Matrix Ready™*

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



## ALL-SEASON™

*Powerful cleaning in any weather*

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



## SPATTER BLOCK™

*New name. Same performance*

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



## SPATTER BLOCK HT™

*High-temperature weld spatter protection*

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



## ICECUT MINI™

*Low-profile magnetic drilling unit*

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



## REAMERS

*Ultimate cutting. Longest life*

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



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# SAFETY FIRST

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



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

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

## SAFEST AND MOST EFFECTIVE WORK METHODS



### GRINDING

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



### FLEXCUT

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



### FLAP DISCS

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



### SANDING DISCS

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



### CUT-OFF WHEELS

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

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



### FLAP WHEELS

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



### WIRE BRUSHES

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

## STORAGE TIPS FOR ABRASIVE PRODUCTS

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

## SAFETY SEMINAR

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

# IMPORTANT

# WALTER ICONS LEGEND

## Materials

Red for steel



Blue for stainless steels and nickel-based alloys



Green for aluminum and non-ferrous metals



Gold for brass



Black for plastic



Purple for cast iron



Gray for concrete and ductile metal



Charcoal for carbide



Titanium



Dark gray for mill scale



Light gray for hard metal



## Wheel grade

Bond type, grain type and grain size

## Warning

When using SPIN-ON quick mounting system

## Dimensions

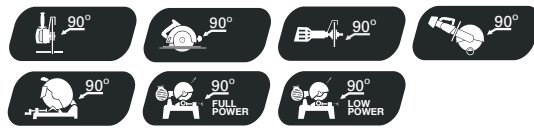
Diameter, thickness, bore

## More information

Consult WALTER website for complete safety information

## Working angle

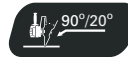
The only permitted angle for cutting wheels is 90° to the material (Type 1 (EN 41) – flat)



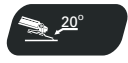
Type 27 / (EN 42) – (depressed centered)



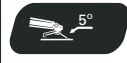
Type 27 combo (cutting and grinding) wheels ideal angle is 90° or 20°



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



Type 28 ideal angle is lower than 10°



Type 29 ideal angle is 10°



## Simple numbering system

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

## Maximum speed

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

## Compliance

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

## Traceability

Internal code to monitor production for safety

## Restrictions

DO NOT use if damaged



NOT suitable for hand-held grinders



NOT suitable for grinding



DO NOT use for wet grinding or cutting



## Safety

Eyes, face, ears and lungs protection



Hand protection



Always use safety guard



## Walter products - Legend



### Volatile Organic Compounds

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



### 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.



### California Proposition 65 Warning

The products identified with this symbol can expose you to chemicals that are known to the State of California to cause cancer and/or reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov) or [www.walter.com](http://www.walter.com)

01

# PRE- AND POST-WELDING TREATMENT



# SURFOX WELD CLEANING



VISIT [SURFOX.COM](http://SURFOX.COM)  
to register your SURFOX SYSTEM  
and get 6 months extended warranty

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

### Features and benefits

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

## Electrochemical Weld Cleaning Systems for Stainless Steel and Aluminum

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

### Passivation

*Why is passivation important?*

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

## How to choose a SURFOX system

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

# SURFOX™ 305 MIG & TIG

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

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



## Features and benefits

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

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

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

## SURFOX 305 ACCESSORIES

Recommended for cleaning MIG welds



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

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

Recommended for cleaning TIG welds



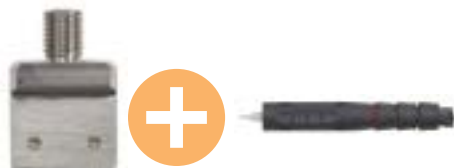
**Tungsten insert 90°**  
Order No.: 54-B 143

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

Replacement wand assemblies

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

Recommended for tight corners



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

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

Recommended for renewing large surfaces



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

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



# SURFOX™ 205

For TIG and spot welds on stainless steel and aluminum

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



### Features and benefits

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

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

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

## SURFOX 205 ACCESSORIES

Recommended for cleaning TIG welds



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

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

Recommended for renewing large surfaces



**Large graphite insert**

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

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

Recommended for tight corners



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

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

Replacement wand assemblies



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

# SURFOX MINI™

The ideal unit for field or repair work

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

## Features

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



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

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

## SURFOX MINI ACCESSORIES

Recommended for cleaning TIG welds



**Narrow tungsten insert**  
Order No.: 54-B 038

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

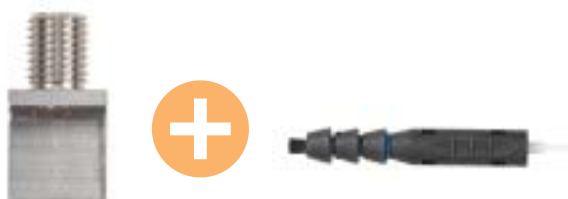
Recommended for renewing large surfaces



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

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

Recommended for tight corners



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

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

Replacement pump for refilling cartridges of  
SURFOX electrolytes

### Cartridge refiller

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



**NEW**

# SURFOX™ TURBO

Powerful, compact and reliable

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



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

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

## SURFOX TURBO ACCESSORIES

Recommended for cleaning TIG welds



**Narrow tungsten insert**  
Order No.: 54-B 038

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

SURFOX™ TURBO wand



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

Order No.: 54-B 201

SURFOX™ TURBO carbon fiber brush



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

Order No.: 54-B 205





# SURFOX SOLUTIONS

**NEW FORMULA!**



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

Color: Translucent

## SURFOX-G™

pH neutral electrolyte solution

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

**NSF category A3, registration #146974**

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



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

Color: Translucent

### Tech tip!

Use with SURFOX-T drum pump 54-B 106

## SURFOX-T™

Heavy-duty formula

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

**NSF category A3, registration #142984**

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



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

Color: Translucent

## SURFOX-N™

Cleaning and neutralizing formula

**NSF category A1, registration #142985**

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

## SURFOX™ PRE-WELD

Fast drying surface cleaner

Formulated for preparing and degreasing metal surfaces prior to welding.

### Benefits

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

### Features

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



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

Color: Orange

## SURFOX™ RENEW

High strength stainless steel cleaner

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

### Benefits

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

### Features

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



### Tech tip!

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



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

Color: Light orange

## SURFOX™ SHINE

Cleaner and protector for stainless steel

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

NSF category A7, C1, registration # 152509

### Benefits

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

### Features

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



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

Color: White

# OTHER SURFOX ACCESSORIES

## Cleaning pads

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



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



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



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



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



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



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

## For all models



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



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



**Electrolyte straw**  
**Order No.:** 48-R 294



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



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



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



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



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



**SURFOX Powercloth**  
**Order No.:** 54-B 090



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



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

# SURFOX MARKING KITS



Go ahead, make your mark!

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



## STANDARD MARKING KIT

Order No.: 54-B 080

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

### Includes:

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



## PRO MARKING KIT

Order No.: 54-B 081

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

### Includes:

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

# MARKING KIT ACCESSORIES

*For marking stainless steel and titanium*

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



*For marking aluminum*

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



*For etching stainless steel*

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



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



**Power cable**  
**Order No.:** 54-B 063



**Graphite marking insert**  
**Order No.:** 54-B 088



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

**Marking wand**  
**Order No.:** 54-B 082



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



## Permanent stencils

Can be used up to 200 times.

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

For more information: [stencil@walter.com](mailto:stencil@walter.com)

Marking on aluminum using customizable stencil paper rolls



# SURFACE MEASURING SYSTEMS



## SURFOX™ SMART PASSIVATION TESTER

Quickly and easily guarantee passivated stainless steel

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

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

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



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

# SURFOX™ SMART PASSIVATION TESTER

## HOW IT WORKS

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

Bluetooth | Wi-Fi | 

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

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

\*Requires neutralization with SURFOX-N / FT 100



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



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



Results are measured and stored within seconds.



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

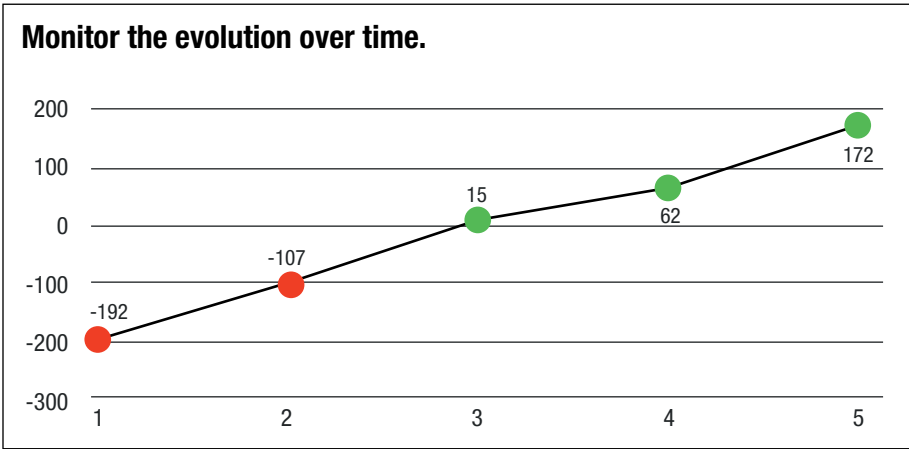


Stay organized with the ability to securely and confidentially store results by customer or part on the Walter Cloud platform.





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



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

*Provide documented proof of passivation once completed!*

# SURFOX™ SMART PASSIVATION TESTER

Order No.: 54-T 011

| Accessories             |                    |
|-------------------------|--------------------|
| Replacement cartridge   | Order no. 54-A 050 |
| White felt tip (Pkg. 5) | 54-B 046           |



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

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

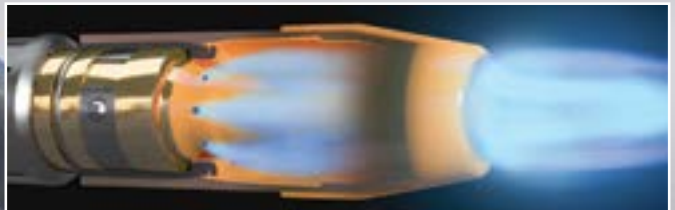
# E-WELD NOZZLE

Total nozzle protection for up to 8 hours!

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



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



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

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

[walter.com/e-weld\\_nozzle](http://walter.com/e-weld_nozzle)

# ANTI-SPATTER SOLUTIONS

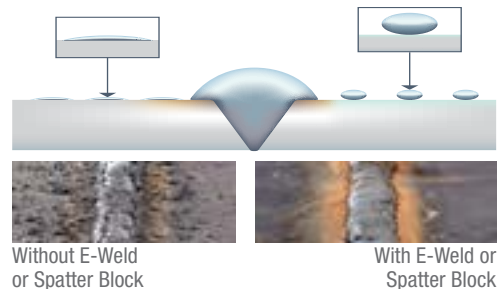
## Why use anti-spatter solutions?

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

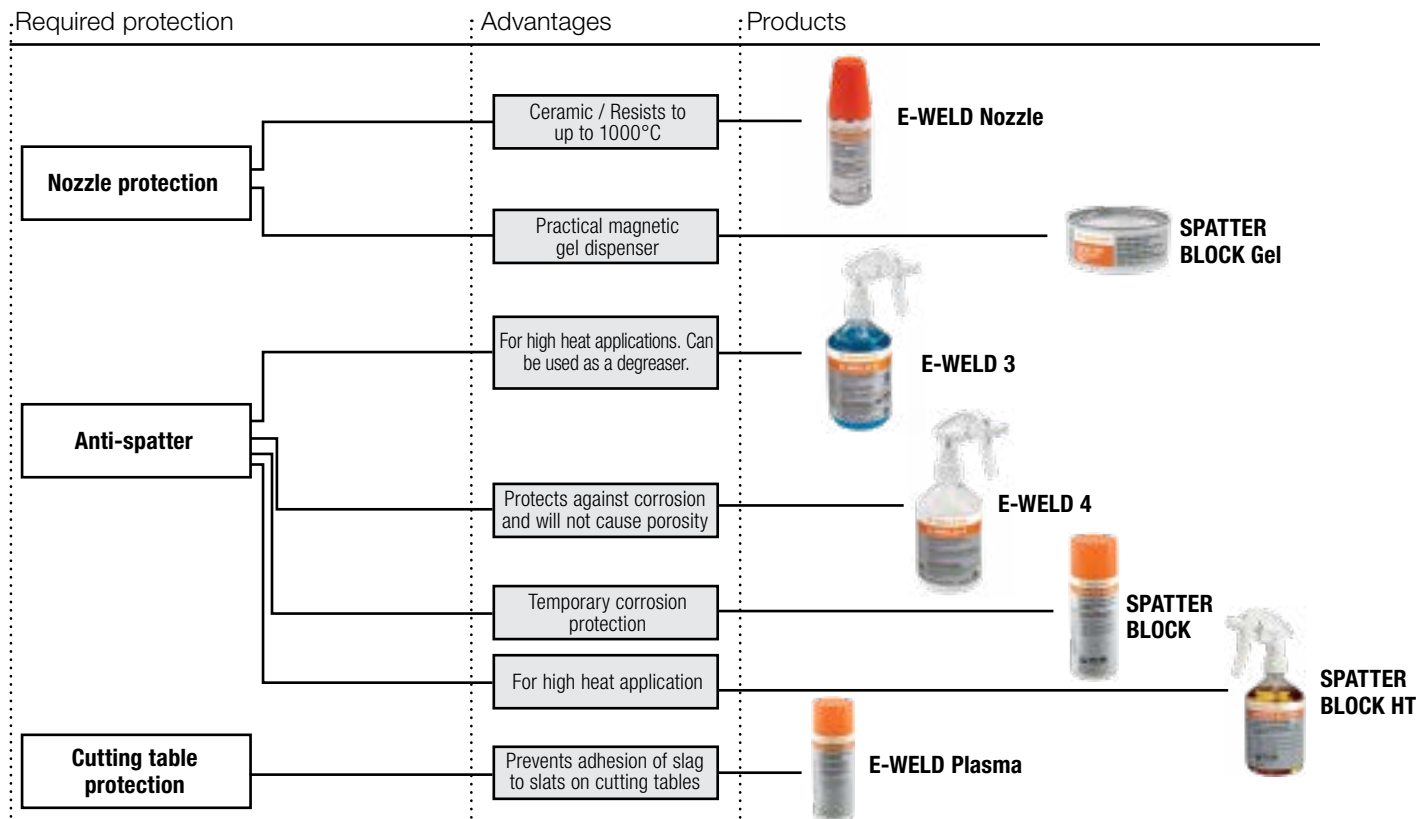


## Why use Walter *E-Weld* and *Spatter Block* anti-spatter solutions?

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



## Selection chart





## E-WELD NOZZLE™

Total nozzle protection for best efficiency

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

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



*Nozzle using E-WELD Nozzle*



*Nozzle fully clogged (not using E-WELD Nozzle)*

Unique self-dispensing applicator easily dispenses highly concentrated ceramic coating

**PROTECTS**  
WELDING NOZZLES  
FOR UP TO 8 HOURS



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

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

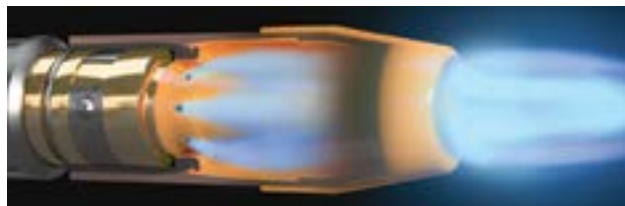
**Color:** Orange

## NOZZLE PROTECTION TO AVOID SPATTER BUILD-UP

### With E-WELD Nozzle™



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



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



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

### Without E-WELD Nozzle™



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



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



*Results in virtually no rejected pieces!*



## SPATTER BLOCK GEL™

Anti-spatter gel

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

### Benefits

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

### Features

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



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

**Color:** Translucent

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



## E-WELD PLASMA™

Long lasting protection for laser and plasma cutting tables

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

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

**Now compatible with wet tables.**



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

Color: White

### **Tech tip!**

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



### Benefits

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

### Features

- ▷ *Ceramic formula provides long lasting protection, even in the presence of extreme heat*
- ▷ *Spray gun applicator allows you to quickly and easily dispense the product across large surface areas*
- ▷ *Each 10 kg container provides enough anti-spatter to cover 50-100 m<sup>2</sup> (square meters)*
- ▷ *E-WELD Plasma can be painted on manually or sprayed on with the applicator; just stir the solution prior to use*
- ▷ *Use a degreaser like SURFOX Pre-Weld to clean slats prior to use to ensure a strong, adhesive coating*



## SPATTER BLOCK™

**NEW**

General purpose anti-spatter emulsion

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

### Features

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



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

Color: Milky green



### Tech tip!

Only requires a thin protective film to prevent spatter adhesion.

## SPATTER BLOCK HT™

**NEW**

High temperature anti-spatter solution

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

### Features

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

### Benefits

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



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

Color: Amber





## E-WELD 3™

High temperature anti-spatter solution

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

NSF category P1, registration #145451

### Benefits

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

### Features

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



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

Color: Clear blue

## E-WELD 4™

Premium anti-spatter emulsion

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

### Benefits

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

### Features

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



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

Color: White



### Tech tip!

Best choice for welding on aluminum surfaces.







## INDUSTRIAL PUMP SPRAYERS

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

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



## REFILLABLE TRIGGER SPRAYERS

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

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



# AIR FORCE SYSTEMS

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

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



**NEW**



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

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

## Benefits

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

## AIR FORCE refillable sprayer

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



*No more disposing  
of hazardous  
aerosol cans*



# AIR FORCE START-UP PACKAGES

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

Order no.  
**57-D 018**

**The start-up package includes:**

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



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

Order no.  
**57-D 028**

**The start-up package includes:**

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

## AIR FORCE E-WELD 3™ 208 L / 55 gal.

Order no.  
**57-D 038**

**The start-up package includes:**

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



**Air refilling pod**  
Order No.: 53-M 010

## AIR FORCE E-WELD 4™ 208 L / 55 gal.

Order no.  
**57-D 048**

**The start-up package includes:**

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

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

# THE WALTER ABRASIVES SELECTOR APP IS HERE.

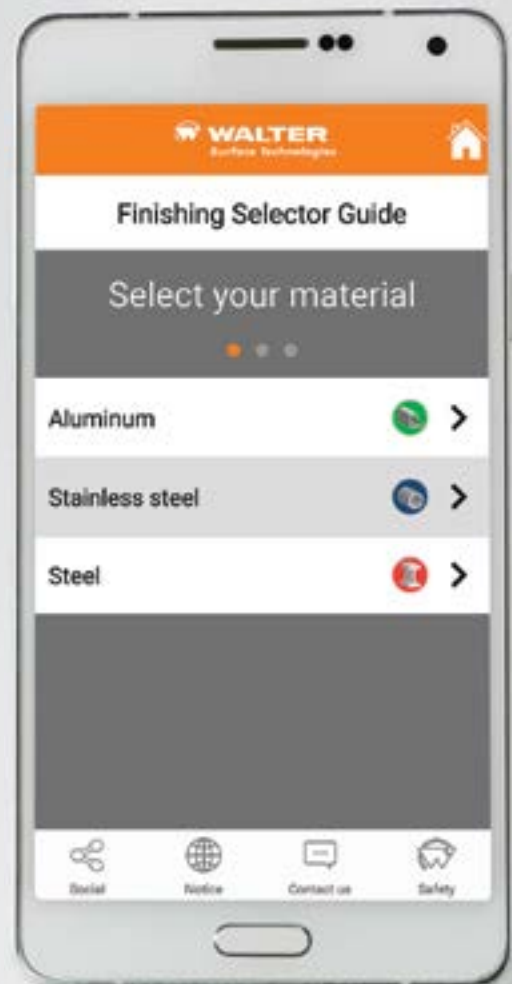
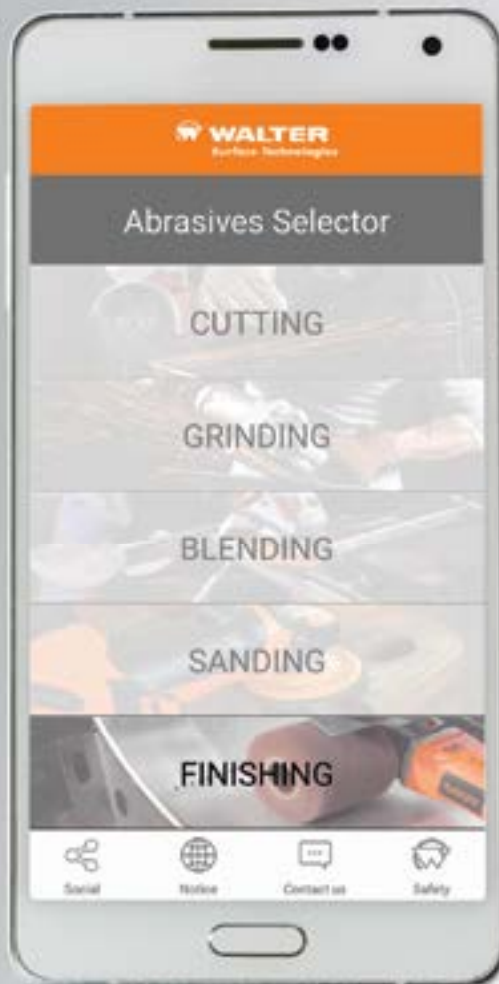
The finishing solutions you need,  
right at your fingertips.

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

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

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

*Download the Walter Abrasives Selector app today.*



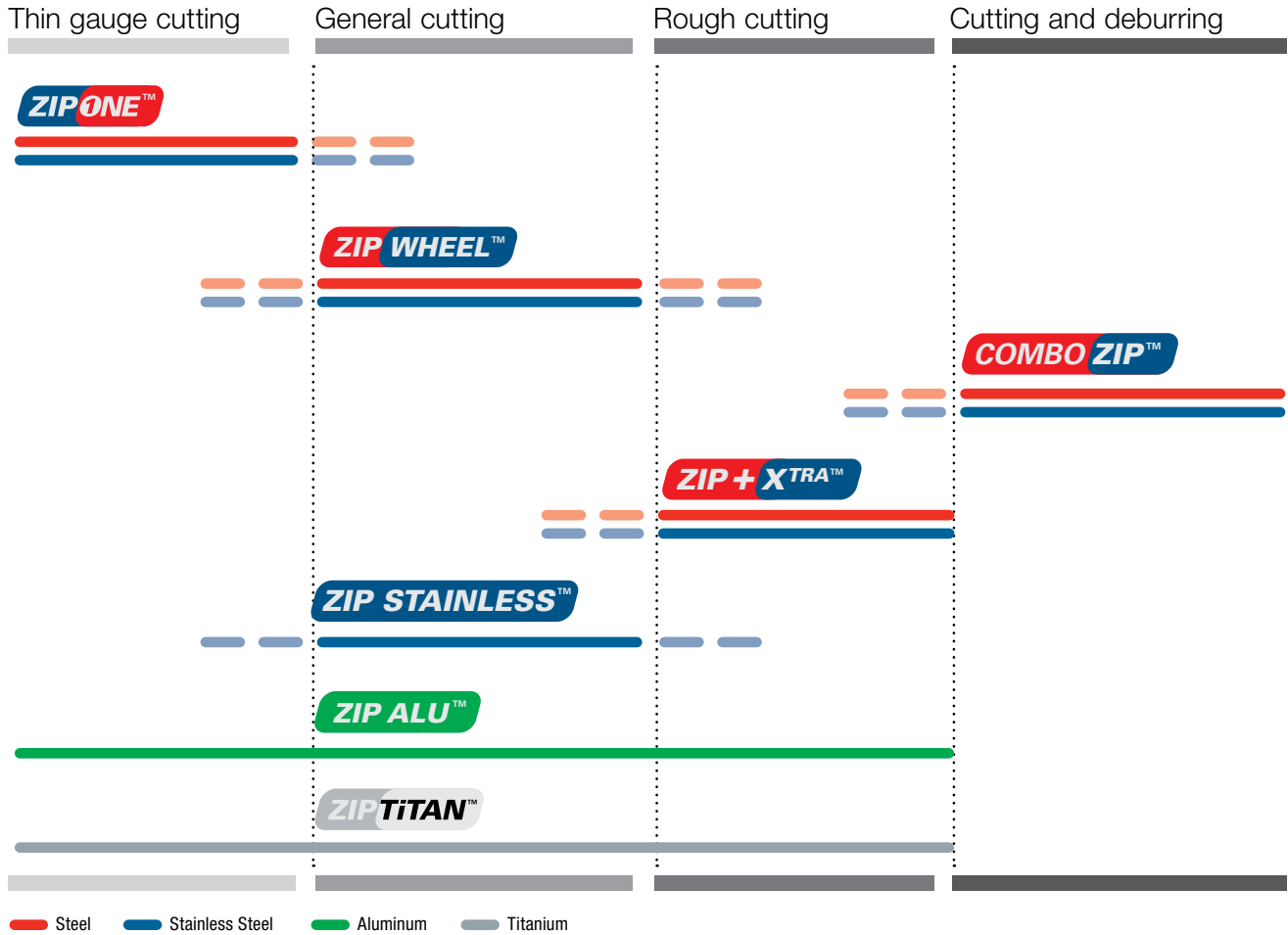
A close-up photograph of a worker in full personal protective equipment (PPE) using a circular saw to cut a metal beam. The worker is wearing a black helmet with a clear face shield, a blue denim shirt, black safety glasses, and black gloves. The saw is a circular saw with a white blade, and a large amount of bright orange sparks is being generated as it cuts through the metal. The background is a blurred industrial setting. In the top right corner, there is a red square.

02

CUTTING

# ZIP FAMILY PRODUCTS AT A GLANCE

## RECOMMENDED BY TYPE OF USAGE



## WALTER INDUSTRIAL GLOVES

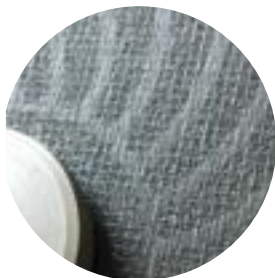
Protective, sleek, and tight fitting for comfort. Walter's newly-designed work gloves are made to last in the toughest applications. They are made of 100% black goatskin leather, with a neoprene insert that reduces vibration. The thumb curve is made with Kevlar™, a natural anti-slip solution. Simply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

Large  
Extra-Large

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

## ZIP FAMILY FEATURES

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



#### Curved Stripes

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

#### Exclusive Packaging

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

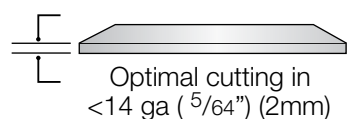


#### Triple Reinforcement Combo Zip™

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

#### Type 27 Narrow Crown and Metal Cladding

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



#### Ultra-Thin Zip One™

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

JUST  
**1/32"**  
THICK

#### Spin-On Wheels for Easy Mounting

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





# ZIP WHEEL™

THE BEST JUST GOT BETTER

**NEW**

and improved formula.



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

**WALTER**  
Surface Technologies

Only the best.™



## ZIP TiTAN™

Best solution for cutting titanium and brass

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

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

### TYPE 1



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





**NEW FORMULA!**



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

**INDUSTRY'S** LEADING AND MOST TRUSTED WHEEL

## ZIP WHEEL™

Setting the industry standard for cut-off wheels

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

### TYPE 1

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

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



### TYPE 1

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



### TYPE 27

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



#### Mounting accessories

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

**30-B 021**



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

**30-B 017**

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

**30-B 022**



#### Accessory

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



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


## ZIP WHEEL™ SPIN-ON




High performance cutting with SPIN-ON system

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

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



**TYPE 27S**  **SPIN-ON**

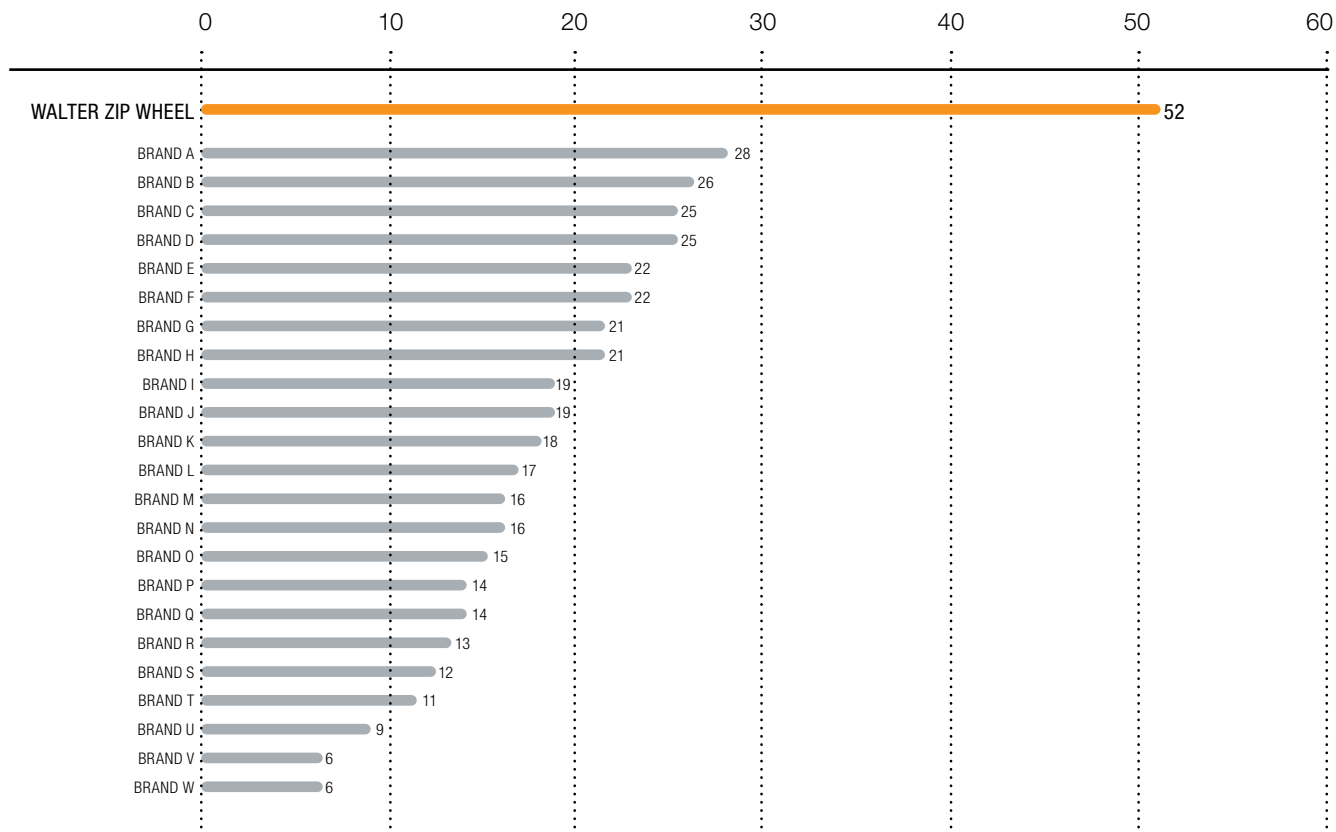
  

| Dia.   | Thick.        | Arbor   | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|---------------|---------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 3/64" (.045") | 5/8"-11 | 11-T 342  | A-60  | 13,300   | 25        | 100       |
| 5"     | 3/64" (.045")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

**QUICK AND EASY**  
WHEEL CHANGE FOR  
MINIMUM DOWNTIME

## ZIP WHEEL™ - Comparison tests of 5" cutting wheels

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



## ZIP+ XTRA™

Performance cutting in thicker metal

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



### TYPE 1



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

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

### TYPE 27



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

**CHOOSE ZIP+ XTRA™**  
FOR THE TOUGHEST PROJECTS!

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



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

## TOUGH CUT™

For the toughest, most demanding cutting applications

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



### TYPE 1



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

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

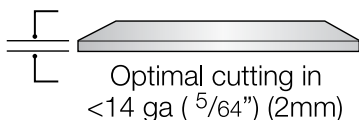


#### Accessory

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



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



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

## ZIP ONE™

High performance cut-off wheel for thin gauge metal

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

### EXTRA THIN FOR ULTRA PRECISE CUTTING

#### TYPE 1

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



#### TYPE 27

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



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





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

## ZIP STAINLESS™

Guaranteed not to contaminate stainless steel

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

### TYPE 1



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

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

### TYPE 27



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



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



## ZIP ALU™

Fast and free cutting of aluminum without clogging

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

### TYPE 1



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

### TYPE 27



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



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

## COMBO ZIP

Fast, safe cutting and deburring with one wheel

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

### TYPE 27

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

### SPIN-ON

### TYPE 27S

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



**THREE LAYERS**  
OF REINFORCEMENT  
AND METAL CLADDING  
FOR MAXIMUM SAFETY



 YouTube

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



## EXCELLENT CUTTING SPEED AND WHEEL LIFE

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

## ZIP™

Performance cutting and grinding with straight shaft and die grinders

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

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

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

### 2" TYPE 1



Fe-S-CI  
<0.1%



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

### 2 1/2" TYPE 1



Fe-S-CI  
<0.1%



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

## YouTube

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



### 3" TYPE 1



Fe-S-CI  
<0.1%



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



## 4" TYPE 1

Fe-S-CI  
<0.1%

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

▷ Ideal for flush cutting

▷ Metal hub cladding for extra strength and safety



## 3" &amp; 4" TYPE 27

Fe-S-CI  
<0.1%

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

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

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

## ZIP ALU™

Fast and free cutting of aluminum without clogging

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

## TYPE 1

Alu. +  
n.t. metals

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

▷ Best wheel life and extra fast cutting on aluminum



## Mounting accessories

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

For 2 and 3" wheels, 1/4" and 3/8" arbor

11-L 007

For 2" wheels, 5/16" arbor

11-L 001

For 3" and 4" wheels, 1/4" arbor

11-L 006

For 3" and 4" wheels, 3/8" arbor

11-L 003

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

For 2" wheels, 3/8" arbor

11-L 008

For 2" wheels, 5/16" arbor

11-L 002

For 3" and 4" wheels, 3/8" arbor

11-L 004

## With 5/16" shaft

For 3" and 4" wheels, 3/8" arbor

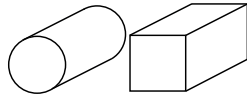
11-L 005

## EXTRA FAST

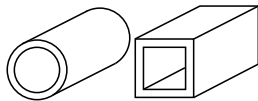
CUTTING ON ALUMINUM  
WITHOUT CLOGGING!



## THE WHEEL OF CHOICE FOR SOLIDS AND STAINLESS TUBES



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



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



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



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

# CHOPCUT™

Performance cutting with portable chop saws

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



## CHOPCUT

General purpose

TYPE 1



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

## CHOPCUT II

High performance

TYPE 1



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

## CHOPCUT ALU

ALU TYPE 1



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

## CHOPCUT TITAN

Titanium TYPE 1



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

## RIPCUT™

High performance cutting on stationary cut-off machines

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



### RIPCUT

General purpose TYPE 1



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

**FOR THE LOWEST  
COST PER CUT!**

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

### RIPCUT II

High performance TYPE 1



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

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

### RIPCUT STAINLESS

Stainless TYPE 1



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

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

#### Accessories

##### Reducer bushings

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





- ▷ General purpose cutting of steel and cast iron



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



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

## PORTACUT™

High speed cutting with gas and electric power saws

These premium wheels stand out as the most reliable cut-off wheels for all on-site cutting jobs. Reinforced for added safety and formulated for an optimal cutting speed and wheel life ratio, PORTACUT™ is the preferred choice for professionals who demand "only the best" in performance and jobsite safety.

### TYPE 1



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

### TYPE 1



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

## RAILCUT II™

Premium wheels for cutting all types of rail

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

### RAILCUT II LONG LIFE

#### TYPE 1



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

### RAILCUT II FAST CUT

#### TYPE 1



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

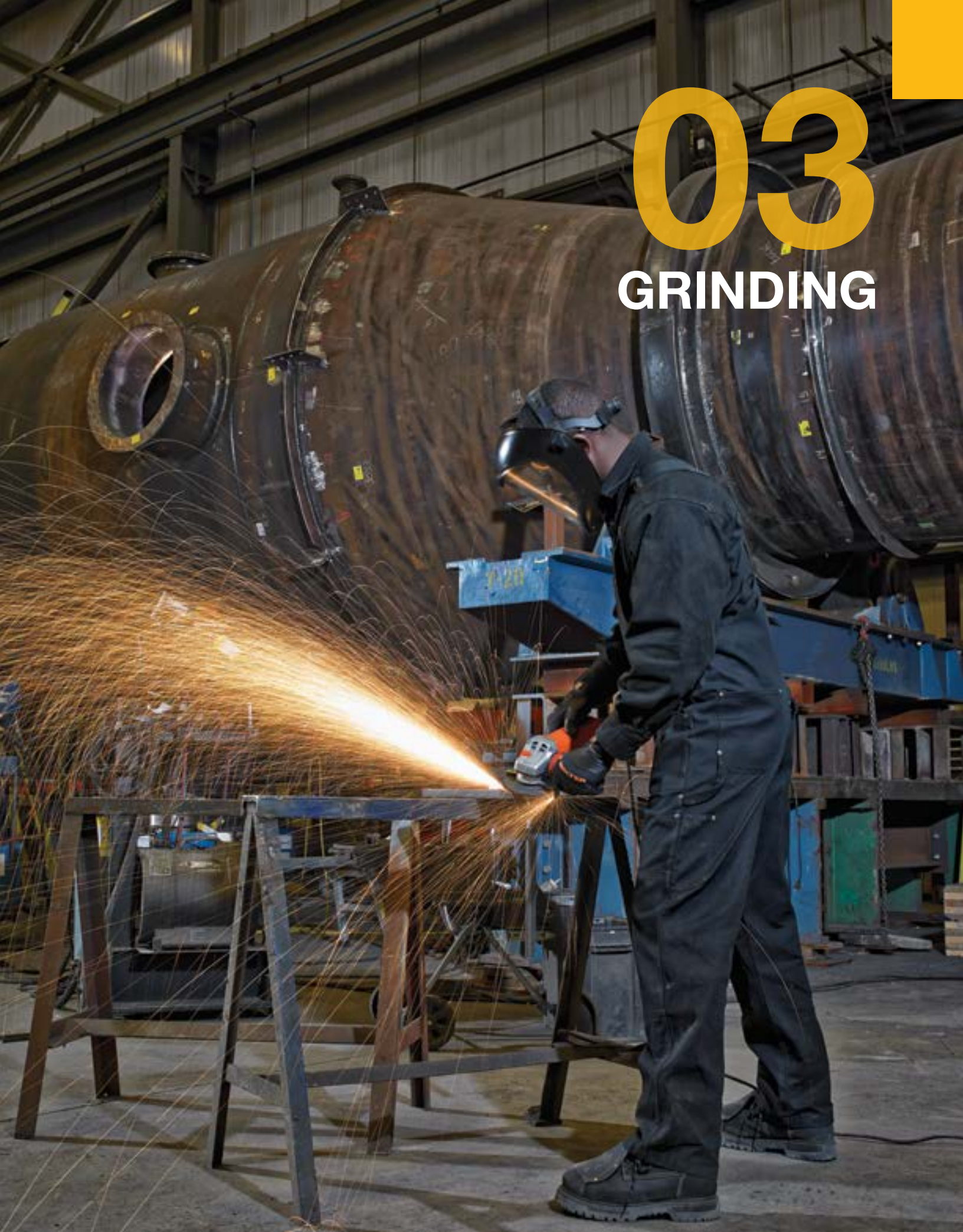
#### Accessories

##### Reducer bushings

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

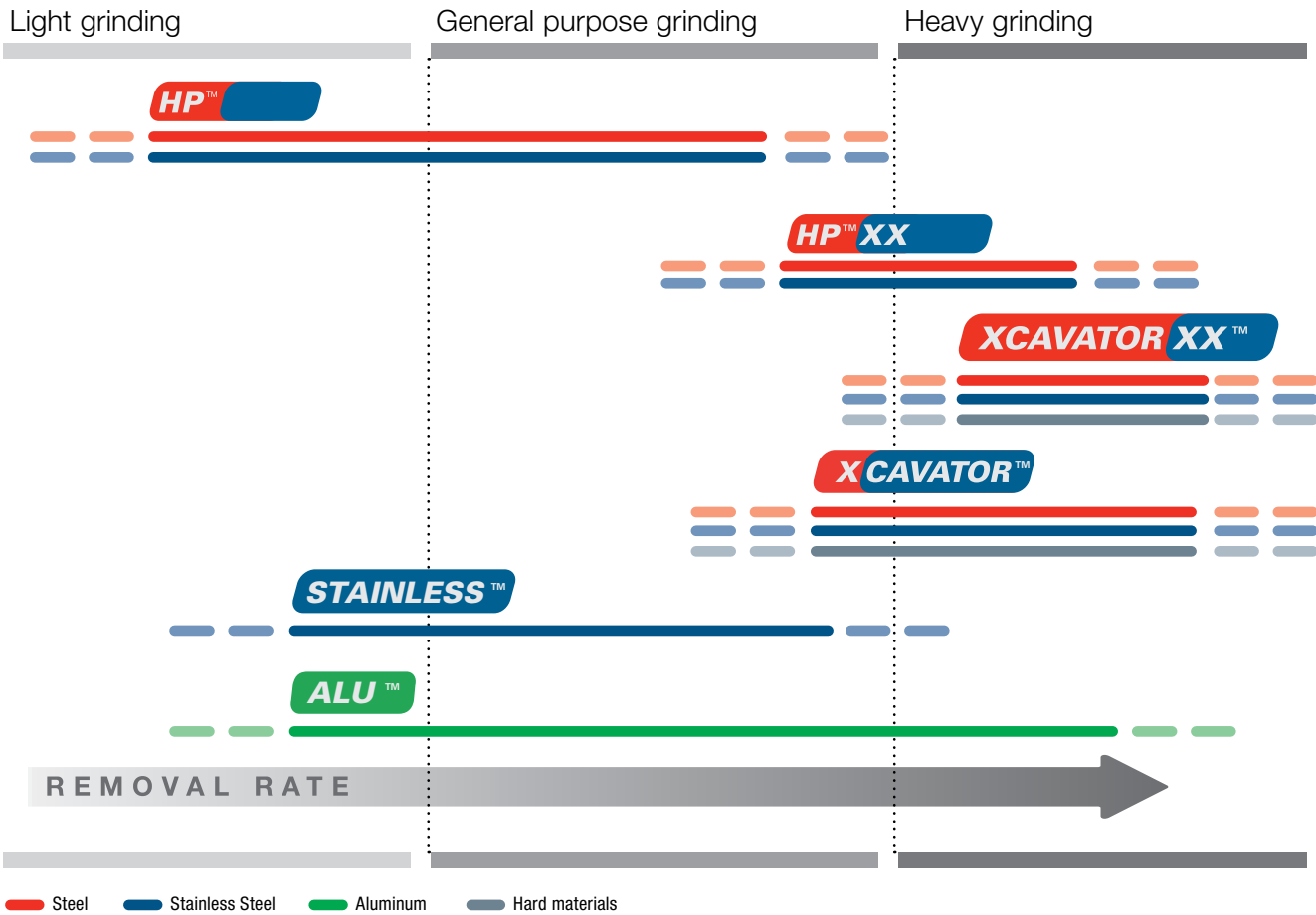
03

GRINDING



# GRINDING PRODUCTS AT A GLANCE

## RECOMMENDED BY TYPE OF USAGE



## EXCLUSIVE TO WALTER

### CONVENIENT AND SAFE!

#### SPIN-ON quick-change mounting

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



# XCAVATOR XX™

Ultra-fast removal, stress-free

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

**NEW**



## 1/8" TYPE 1



Fe-S-CI  
<0.1%



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

**ULTRA-FAST**  
REMOVAL RATE  
ON THE TOUGHEST  
METALS

## 1/4" TYPE 27S



Fe-S-CI  
<0.1%



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

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










# XCAVATOR™

High removal rate on steel, stainless steel and hard metals

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










**1/4" TYPE 27**       

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

## GUARANTEES

HIGH REMOVAL IN THE INDUSTRY'S TOUGHEST METALS

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

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

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

Always use with flange 30-B 057.



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



# NEW FORMULA!



## SMOOTH GRINDING WITH AN AGGRESSIVE, CONTROLLED BITE






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



## HP™






High performance and exceptional comfort for everyday grinding

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

**1/4" TYPE 27S**     




| Dia.            | Thick. | Arbor             | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|-----------------|--------|-------------------|-----------|-------|----------|-----------|-----------|
| 4 1/2"          | 1/4"   | 5/8"-11           | 08-B 450  | A-24  | 13,300   | 20        | 80        |
| <b>N</b> 4 1/2" | 1/4"   | 5/8"-11 Metal hub | 08-B 455  | A-24  | 13,300   | 10        | 80        |
| 5"              | 1/4"   | 5/8"-11           | 08-B 500  | A-24  | 12,200   | 20        | 80        |
| <b>N</b> 5"     | 1/4"   | 5/8"-11 Metal hub | 08-B 505  | A-24  | 12,200   | 10        | 80        |
| 6"              | 1/4"   | 5/8"-11           | 08-B 630  | A-24  | 10,200   | 20        | 80        |
| <b>N</b> 7"     | 1/4"   | 5/8"-11 Metal hub | 08-B 715  | A-24  | 8,600    | 10        | 40        |
| <b>N</b> 9"     | 1/4"   | 5/8"-11 Metal hub | 08-B 915  | A-24  | 6,600    | 10        | 40        |

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





**1/4" TYPE 28S**     

| Dia.   | Thick. | Arbor             | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|-------------------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4"   | 5/8"-11           | 08-B 451  | A-24  | 13,300   | 20        | 80        |
| 5"     | 1/4"   | 5/8"-11           | 08-B 501  | A-24  | 12,200   | 20        | 80        |
| 7"     | 1/4"   | 5/8"-11 Metal hub | 08-B 706  | A-24  | 8,600    | 10        | 40        |
| 9"     | 1/4"   | 5/8"-11 Metal hub | 08-B 906  | A-24  | 6,600    | 10        | 40        |

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

**1/4" TYPE 27**   

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

**1/4" TYPE 28**    

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






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



# HP COMBO™






High performance cutting and grinding; all in one wheel

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

**1/8" TYPE 27S**     

|          | Dia.   | Thick. | Arbor             | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|----------|--------|--------|-------------------|-----------|-------|----------|-----------|-----------|
|          | 4 1/2" | 1/8"   | 5/8"-11           | 08-B 452  | A-30  | 13,300   | 25        | 200       |
| <b>N</b> | 4 1/2" | 1/8"   | 5/8"-11 metal hub | 08-B 457  | A-30  | 13,300   | 10        | 80        |
|          | 5"     | 1/8"   | 5/8"-11           | 08-B 502  | A-30  | 12,200   | 25        | 200       |
| <b>N</b> | 5"     | 1/8"   | 5/8"-11 metal hub | 08-B 507  | A-30  | 12,200   | 10        | 80        |
|          | 6"     | 1/8"   | 5/8"-11           | 08-B 630  | A-24  | 10,200   | 25        | 100       |
| <b>N</b> | 7"     | 1/8"   | 5/8"-11 metal hub | 08-B 717  | A-24  | 8,600    | 10        | 40        |
| <b>N</b> | 9"     | 1/8"   | 5/8"-11 metal hub | 08-B 917  | A-24  | 6,600    | 10        | 40        |

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

**1/8" TYPE 27**     

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

**NEW FORMULA!**



**IDEAL FOR BOTH CUTTING AND GRINDING WORK**

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



 YouTube

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



## HP XX™

Premium grinding at the lowest overall cost

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

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



### Additional benefits of Spin-On

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

### 1/8" TYPE 27



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

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



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

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

### 1/4" TYPE 27



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

### 1/4" TYPE 28



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



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

See page 173

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

Order numbers for mounted wheels are 5-numbers higher.

For example:

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

Std. Pkg.: 10.



### 1/8" cutting and light grinding:

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



### 1/4" grinding:

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

**WILL NOT  
CONTAMINATE  
STAINLESS STEEL**

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

## STAINLESS™

Superior performance on stainless steel

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

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

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

### 1/8" TYPE 27

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

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

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

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

### 1/4" TYPE 27

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

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

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

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



## NO CLOGGING IN ANY TYPE OF ALUMINUM

### 1/8" cutting and light grinding:

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

### 1/4" grinding:

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



- ▷ 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™

For use on aluminum and other soft metals

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

### 1/8" TYPE 27



| Dia.   | Thick. | Arbor          | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|----------------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/8"   | 7/8"           | 08-L 452  | A-24  | 13,300   | 25        | 200       |
| 5"     | 1/8"   | 7/8"           | 08-L 502  | A-24  | 12,200   | 25        | 200       |
| 6"     | 1/8"   | 7/8"           | 08-L 602  | A-24  | 10,200   | 25        | 100       |
| 7"     | 1/8"   | 7/8"           | 08-L 702  | A-24  | 8,600    | 25        | 100       |
| 7"     | 1/8"   | 7/8" Metal hub | 08-L 707  | A-24  | 8,600    | 10        | 40        |
| 9"     | 1/8"   | 7/8"           | 08-L 902  | A-24  | 6,600    | 25        | 100       |
| 9"     | 1/8"   | 7/8" Metal hub | 08-L 907  | A-24  | 6,600    | 10        | 40        |

### 1/4" TYPE 27



| Dia.   | Thick. | Arbor          | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|----------------|-----------|-------|----------|-----------|-----------|
| 4 1/2" | 1/4"   | 7/8"           | 08-L 450  | A-24  | 13,300   | 25        | 100       |
| 4 1/2" | 1/4"   | 7/8" Metal hub | 08-L 455  | A-24  | 13,300   | 10        | 80        |
| 5"     | 1/4"   | 7/8"           | 08-L 500  | A-24  | 12,200   | 25        | 100       |
| 6"     | 1/4"   | 7/8"           | 08-L 600  | A-24  | 10,200   | 25        | 100       |
| 7"     | 1/4"   | 7/8"           | 08-L 700  | A-24  | 8,600    | 25        | 50        |
| 7"     | 1/4"   | 7/8" Metal hub | 08-L 705  | A-24  | 8,600    | 10        | 40        |
| 9"     | 1/4"   | 7/8"           | 08-L 900  | A-24  | 6,600    | 25        | 50        |
| 9"     | 1/4"   | 7/8" Metal hub | 08-L 905  | A-24  | 6,600    | 10        | 40        |

## CONCRETE™

High performance grinding and cutting

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

### 1/8" TYPE 27



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

### 1/4" TYPE 27



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



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

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

- ▷ Formulated for light grinding, cutting and notching



## PIPEFITTER™

Designed for premium performance in pipeline construction

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

### 3/32" TYPE 27



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

### 1/8" TYPE 27



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

### 5/32" TYPE 27



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

### TYPE 27S SPIN-ON



| Dia. | Thick. | Arbor             | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|--------|-------------------|-----------|-------|----------|-----------|-----------|
| 5"   | 3/32"  | 5/8"-11           | 08-N 533  | A-36  | 12,200   | 25        | 200       |
| 6"   | 3/32"  | 5/8"-11           | 08-N 633  | A-36  | 10,200   | 25        | 100       |
| 6"   | 5/32"  | 5/8"-11           | 08-N 634  | A-20  | 10,200   | 25        | 100       |
| 7"   | 3/32"  | 5/8"-11 Metal hub | 08-N 708  | A-20  | 8,600    | 10        | 40        |
| 7"   | 5/32"  | 5/8"-11 Metal hub | 08-N 709  | A-20  | 8,600    | 10        | 40        |
| 9"   | 5/32"  | 5/8"-11 Metal hub | 08-N 909  | A-20  | 6,600    | 10        | 40        |

Always use with flange 30-B 057.

## HP CUP WHEELS

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

### TYPE 11



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



### TYPE 11







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

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

## PLUGS AND CONES

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



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



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



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



## MOUNTED POINTS

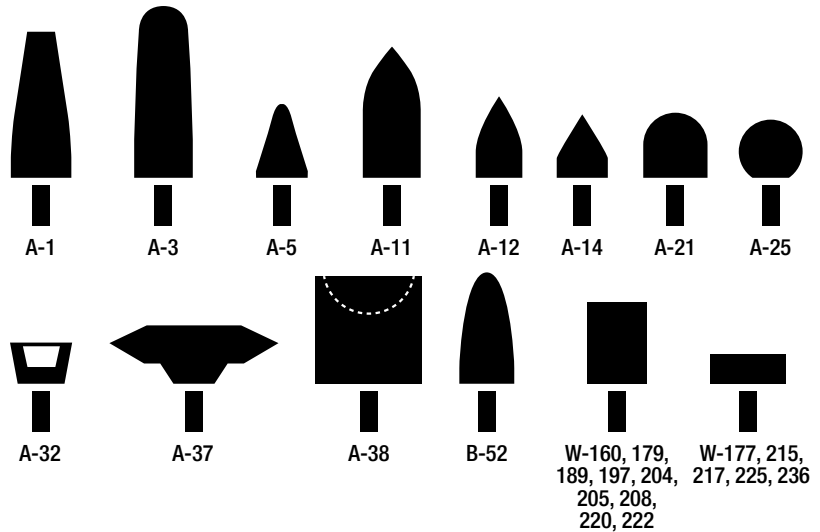
Versatile tools for fitting, shaping and enlarging holes

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

**Blue-grey for mild steel and cast iron**

**Orange for tool and high tensile steel**

**Resin bond for stainless steel**



### BLUE-GREY

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





**Tech tip!**

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

**ORANGE**

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

**Accessories****Dressing stones**

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

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

**RESIN BOND**

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

## BENCH GRINDING WHEELS

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



### TYPE 1



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



### TYPE 1



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

### Accessories

#### Reducer bushings

#### Order No.

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

#### Wheel dressers

#### Order No.

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

#### Replacement wheels

#### Order No.

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

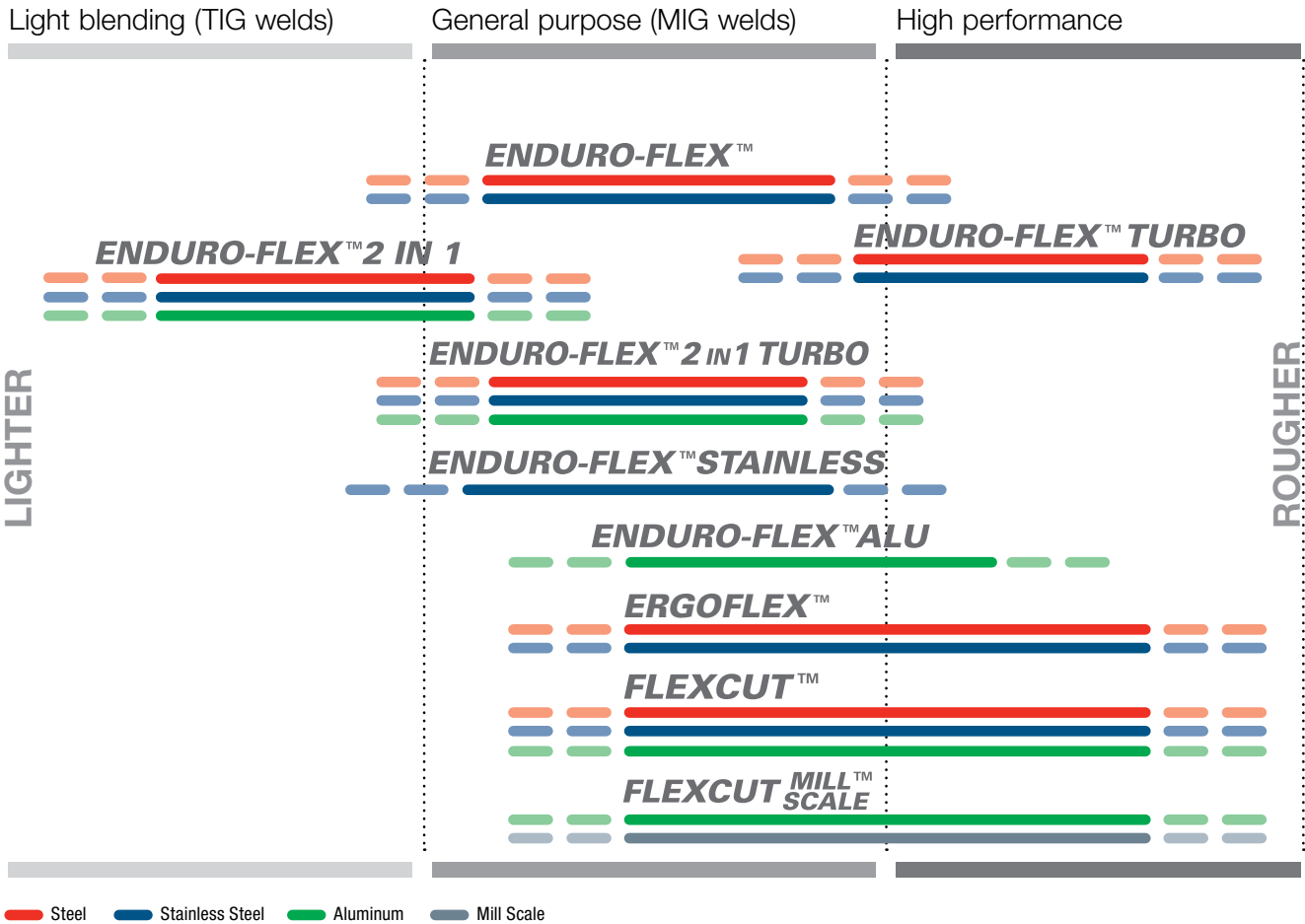
04

BLENDING



# BLENDING PRODUCTS AT A GLANCE

## RECOMMENDED BY TYPE OF USAGE



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



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

\* Trimmed once

\* Trimmed twice



## ENDURO-FLEX™

The longest life and highest overall material removal in the industry

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

### THE LONGEST LIFE FLAP DISC ON THE MARKET



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

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

See pages 173 and 174.



 **YouTube**

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

#### Accessory

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



| TYPE 27S |         | SPIN-ON |           |          |           |           |
|----------|---------|---------|-----------|----------|-----------|-----------|
| Dia.     | Arbor   | Grit    | Order No. | Max. RPM | Std. Pkg. | Std. Ctn. |
| 4 1/2"   | 5/8"-11 | 40      | 06-B 454  | 13,300   | 10        | 40        |
| 4 1/2"   | 5/8"-11 | 60      | 06-B 456  | 13,300   | 10        | 40        |
| 4 1/2"   | 5/8"-11 | 80      | 06-B 458  | 13,300   | 10        | 40        |
| 4 1/2"   | 5/8"-11 | 120     | 06-B 462  | 13,300   | 10        | 40        |
| 5"       | 5/8"-11 | 40      | 06-B 504  | 12,200   | 10        | 40        |
| 5"       | 5/8"-11 | 60      | 06-B 506  | 12,200   | 10        | 40        |
| 5"       | 5/8"-11 | 80      | 06-B 508  | 12,200   | 10        | 40        |
| 5"       | 5/8"-11 | 120     | 06-B 512  | 12,200   | 10        | 40        |
| 6"       | 5/8"-11 | 40      | 06-B 604  | 10,200   | 10        | 40        |
| 6"       | 5/8"-11 | 60      | 06-B 606  | 10,200   | 10        | 40        |
| 6"       | 5/8"-11 | 80      | 06-B 608  | 10,200   | 10        | 40        |
| 6"       | 5/8"-11 | 120     | 06-B 612  | 10,200   | 10        | 40        |

Always use with flange 30-B 057.

| TYPE 27 |       |      |           |          |           |           |
|---------|-------|------|-----------|----------|-----------|-----------|
| Dia.    | Arbor | Grit | Order No. | Max. RPM | Std. Pkg. | Std. Ctn. |
| 4 1/2"  | 7/8"  | 40   | 15-R 454  | 13,300   | 10        | 40        |
| 4 1/2"  | 7/8"  | 60   | 15-R 456  | 13,300   | 10        | 40        |
| 4 1/2"  | 7/8"  | 80   | 15-R 458  | 13,300   | 10        | 40        |
| 4 1/2"  | 7/8"  | 120  | 15-R 462  | 13,300   | 10        | 40        |
| 5"      | 7/8"  | 40   | 15-R 504  | 12,200   | 10        | 40        |
| 5"      | 7/8"  | 60   | 15-R 506  | 12,200   | 10        | 40        |
| 5"      | 7/8"  | 80   | 15-R 508  | 12,200   | 10        | 40        |
| 5"      | 7/8"  | 120  | 15-R 512  | 12,200   | 10        | 40        |
| 6"      | 7/8"  | 40   | 15-R 604  | 10,200   | 10        | 40        |
| 6"      | 7/8"  | 60   | 15-R 606  | 10,200   | 10        | 40        |
| 6"      | 7/8"  | 80   | 15-R 608  | 10,200   | 10        | 40        |
| 6"      | 7/8"  | 120  | 15-R 612  | 10,200   | 10        | 40        |
| 7"      | 7/8"  | 40   | 15-R 704  | 8,600    | 10        | 40        |
| 7"      | 7/8"  | 60   | 15-R 706  | 8,600    | 10        | 40        |
| 7"      | 7/8"  | 80   | 15-R 708  | 8,600    | 10        | 40        |
| 7"      | 7/8"  | 120  | 15-R 712  | 8,600    | 10        | 40        |

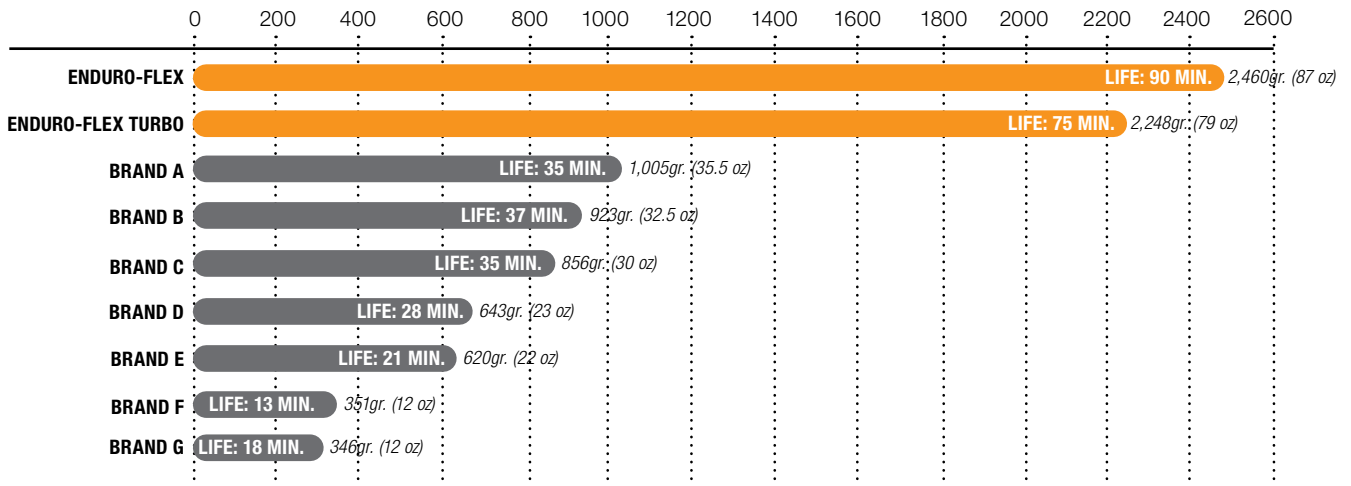
Always use with flange 30-B 057.

ENDURO-FLEX  
THE LONGEST  
LASTING  
FLAP DISCS  
ON THE  
MARKET



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

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








## ENDURO-FLEX ALU™

High-performance flap disc for aluminum surfaces

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



**TYPE 27**

   **Fe-S-Cl <0.1%**  






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

Always use with flange 30-B 057.

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

**SPIN-ON**

**TYPE 27S**

   **Fe-S-Cl <0.1%**  

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

Always use with flange 30-B 057.






# ENDURO-FLEX™ STAINLESS

Guaranteed not to contaminate stainless steel

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




**CONSISTENT FINISH**  
WITHOUT DISCOLORATION



**TYPE 27S**  **SPIN-ON**  

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

Always use with flange 30-B 057.

**TYPE 27**   

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

Always use with flange 30-B 057.

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







### Tech tip!

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

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

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

## ENDURO-FLEX 2-IN-1™ FINISHING DISC

### One-step finishing

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

### Long lasting

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

▶ Allows operators to achieve a food grade finish

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



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

The most versatile and fastest finishing disc on the market

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

### Sanding flaps

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



### BLENDEX flaps

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



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

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

Always use with flange 30-B 057.

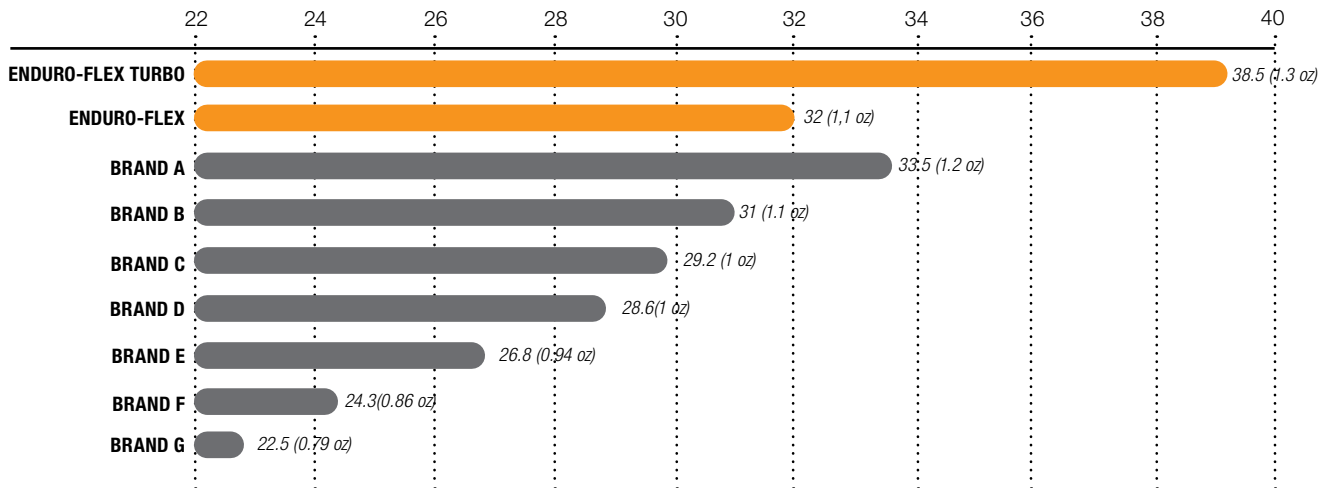


ENDURO-FLEX  
TURBO

THE FASTEST  
FLAP DISCS  
ON THE  
MARKET

### ENDURO-FLEX TURBO COMPARISON TESTS BETWEEN 5" FLAP DISCS

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





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

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

See pages 173 and 174.



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

## ENDURO-FLEX TURBO™

The fastest cutting flap disc on the market

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

**HIGHEST  
REMOVAL RATE  
IN THE INDUSTRY**

| TYPE 27S        |                   | SPIN-ON   |       |          |           |           |
|-----------------|-------------------|-----------|-------|----------|-----------|-----------|
| Dia.            | Arbor             | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
| 4 1/2"          | 5/8"-11           | 06-A 452  | 36/60 | 13,300   | 10        | 40        |
| <b>N</b> 4 1/2" | 5/8"-11 metal hub | 06-A 457  | 36/60 | 13,300   | 10        | 40        |
| <b>N</b> 4 1/2" | 5/8"-11           | 06-A 458  | 80    | 13,300   | 10        | 40        |
| 5"              | 5/8"-11           | 06-A 502  | 36/60 | 12,000   | 10        | 40        |
| <b>N</b> 5"     | 5/8"-11           | 06-A 508  | 80    | 12,200   | 10        | 40        |
| 6"              | 5/8"-11           | 06-A 602  | 36/60 | 10,200   | 10        | 40        |
| <b>N</b> 7"     | 5/8"-11 metal hub | 06-A 707  | 36/60 | 8,600    | 10        | 40        |

Always use with flange 30-B 057.

| TYPE 27 |       |           |       |          |           |           |
|---------|-------|-----------|-------|----------|-----------|-----------|
| Dia.    | Arbor | Order No. | Grade | Max. RPM | Std. Pkg. | Std. Ctn. |
| 4 1/2"  | 7/8"  | 06-A 462  | 36/60 | 13,300   | 10        | 40        |
| 5"      | 7/8"  | 06-A 512  | 36/60 | 12,200   | 10        | 40        |
| 7"      | 7/8"  | 06-A 712  | 36/60 | 8,600    | 10        | 40        |

Always use with flange 30-B 057.








# ERGOFLEX™

When employee safety and ergonomics are top priorities

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

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



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

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

Always use with flange 30-B 030.

### Tech tip!

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



30-B 030

30-B 031

#### Accessories

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

# FLEXCUT™

Premium performance on curved or uneven surfaces

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



## TYPE 29

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

\*Use with 1/4" mandrel 11-L 007.  
Always use SPIN-ON wheels with flange 30-B 057.

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



## SPIN-ON TYPE 29S

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

Deep Diamond-Cut™ pattern and optimized formulation offer:

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








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

# FLEXCUT MILL SCALE™

Quick, consistent removal of mill scale






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



**TYPE 29S**  **SPIN-ON**    

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

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

**TYPE 29**     

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

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



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



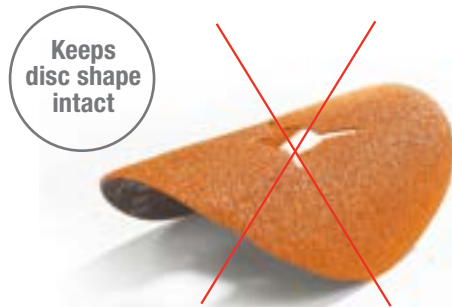
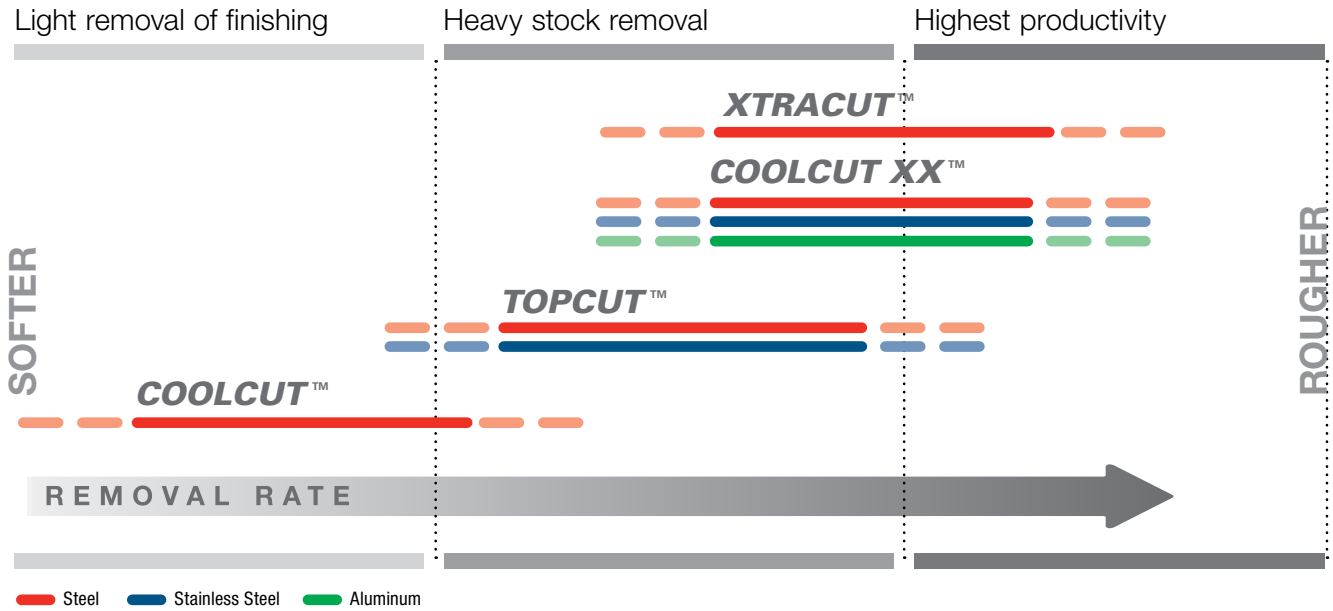
05

SANDING



# SANDING PRODUCTS AT A GLANCE

## RECOMMENDED BY TYPE OF USAGE



### Unique packaging for optimal performance

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

### Exclusive packaging!

## COOLCUT XX™ 50 packs

Packaging that makes sense

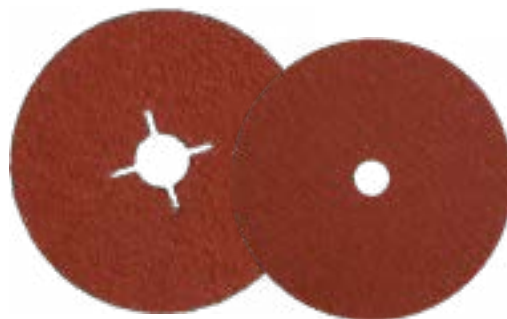
Select grits and sizes of COOLCUT XX™ are now available in 50 packs. These specially designed packages are humidity-controlled to better preserve the sanding discs, essentially keeping them “factory fresh” and ensuring you get the best life and performance. Discs are also shrink wrapped to minimize warping.



# XTRACUT™ **NEW**

Highest performance sanding disc in steel

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



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

## HIGHEST PERFORMANCE SANDING DISC IN STEEL

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

### YouTube

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





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

### Tech tip!

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



### YouTube

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



## COOLCUT XX™

The longest lasting, most aggressive sanding discs

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

## REDUCE YOUR CYCLE TIME AND ELIMINATE BOTTLENECKS IN THE PRODUCTION PROCESS



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

## COOLCUT XX™ 50 pack



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

# COOLCUT XX™ QUICK-CHANGE

Now with SPIN-ON™ system

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



**SPIN-ON**



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

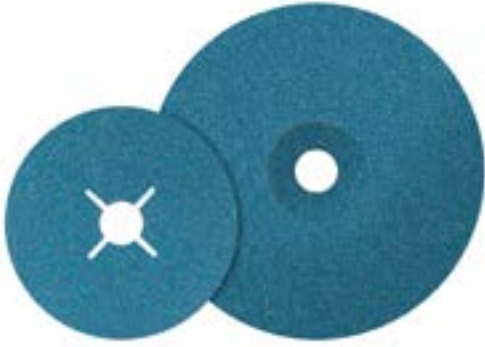
## Tech tip!

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

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

**EASIER MOUNTING  
AND FASTER DISC  
CHANGE OUTS**





## TOPCUT™

Aggressive removal rate and extended disc life

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

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



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



# COOLCUT™

General purpose sanding

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



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



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



### Tech tip!

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



- ▷ High quality impact resistant plastic with maximum flexibility



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



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

## BACKING PADS

### BACKING PAD ASSEMBLIES



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

### TURBO BACKING PAD ASSEMBLIES (Black and white)

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



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

## BACKING PADS

### TURBO QUICK-CHANGE BACKING PADS (Black and white)

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



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



### HIGH PERFORMANCE RUBBER BACKING PAD ASSEMBLIES

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

**NEW**



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

- ▷ Optimal flexibility
- ▷ Withstands pressure

#### Accessories

##### Clamping nuts for rubber backing pad

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

**Order No.** 15-D 024

For 7" rubber backing pads

**Order No.** 15-H 025



### Accessories

#### Steel flanges

Reducer from 1" to 5/8" spindle

Order No. 15-G 962



## COOLCUT™ FLAP WHEELS

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



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



### GRIT - FEPA EQUIVALENT

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

### Accessories

#### Reducer bushing

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

Order No. 12-E 010



#### Mandrel for finishing wheels

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

Order No. 07-C 003



## TWO-IN-ONE™ FLAP WHEELS

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



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

\* BLENDEX non-woven material only.



# COOLCUT™ FLAP WHEELS

High quality and a consistent finish

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

## 1/4" SHAFT



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





**Hand pads:**

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

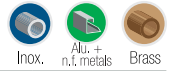


**Rolls:**

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

# BLENDIX™ HAND FINISHING ABRASIVES

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



## HAND PADS

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

### Accessory

#### Hand pad holder

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

3" × 6"

Order No. 07-A 001



## ROLLS



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

### Tech tip!

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



**SURFOX Pre-Weld**  
Order No. 54-A 083

# COOLCUT™ SHOP ROLLS AND HAND SHEETS

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

## SHOP ROLLS



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



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

## HAND SHEETS



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

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

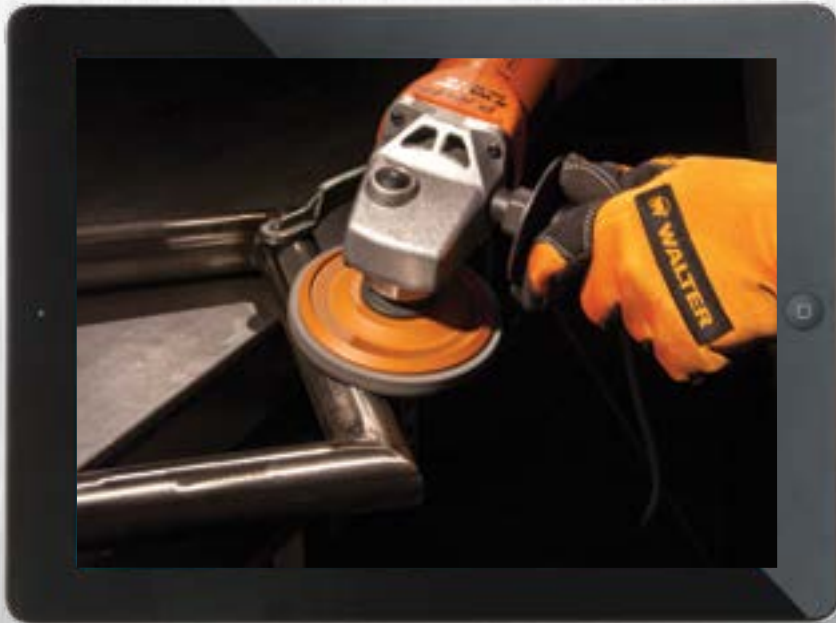


- ▷ Woven backing is extra tough but tears straight for easy sizing
- ▷ Wear resistant and high performing
- ▷ Long lasting and cool cutting

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

Visit [www.youtube.com/thewalternetwork](http://www.youtube.com/thewalternetwork)

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



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



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



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



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

**Visit [walter.com](http://walter.com) to see all our finishing products!**

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

#4 sanitary brush  
finish on stainless  
steel video



[www.walter.com](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



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06

FINISHING



# LINEAR SURFACE FINISHING SYSTEM



## The Line-Mate linear surface finishing system

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

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



| DRUMS  | Product  | Application                             | Product category         | Type of finish           | Pre-finishing         | Coarse finish           | Sanitary                | Pharma                  | Light polish          | Mirror finish         |  |
|--|--|---|--------------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|--|
|  |  |   |                          | Ra                       | (>60 $\mu\text{in}$ ) | (60-50 $\mu\text{in}$ ) | (40-25 $\mu\text{in}$ ) | (16-12 $\mu\text{in}$ ) | (8-4 $\mu\text{in}$ ) | (4-1 $\mu\text{in}$ ) |  |
|  |  |   |                          | Grit size                |                       |                         |                         |                         |                       |                       |  |
| DRUMS  | FX Drums @2000 RPM   | Cleaning                                | 07-L                     | Coarse                   |                       |                         |                         |                         |                       |                       |  |
|  | COOLCUT Flap Drums @2000 RPM   | Graining                                | 07-J                     | 40                       |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | 60                       |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | 80                       |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | 120                      |                       |                         |                         |                         |                       |                       |  |
|  | BLENDEX Drums @2000 RPM  | Finishing                               | 07-M                     | Coarse                   |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | Medium                   |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | Fine                     |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | Super Fine               |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | Ultra Fine               |                       |                         |                         |                         |                       |                       |  |
|  | 2-in-1 TURBO Drums @2000 RPM   | Graining                                | 07-K                     | 60                       |                       |                         |                         |                         |                       |                       |  |
|  | 2-in-1 Drums @2000 RPM   | Linear finishing                        | 07-K                     | 80                       |                       |                         |                         |                         |                       |                       |  |
| Buffing Drums and polishing pastes @2000 RPM | Applying a mirror finish   | 07-T + paste                            | Instant Polish 1000-1500 |                          |                       |                         |                         |                         |                       |                       |  |
|  |  | 07-T + paste                            | Ultimate Shine 2000-2500 |                          |                       |                         |                         |                         |                       |                       |  |
| BELTS  | Cloth Drum Belts @2000 RPM   | Removing deep scratches (stock removal) | 07-F                     | 40                       |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | 60                       |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | 80                       |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | 120                      |                       |                         |                         |                         |                       |                       |  |
|  | Blendex Drum Belts @2000 RPM   | Graining and finishing                  | 07-H                     | Coarse                   |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | Medium                   |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | Fine                     |                       |                         |                         |                         |                       |                       |  |
|  |  |   |                          | Super Fine               |                       |                         |                         |                         |                       |                       |  |
|  | High Polish Drum Belts, Instant Polish Drum Belts and polishing pastes | Applying a mirror finish                | 07-T + paste             | Instant Polish 1000-1500 |                       |                         |                         |                         |                       |                       |  |
|  |  |   | 07-T + paste             | Ultimate Shine 2000-2500 |                       |                         |                         |                         |                       |                       |  |

# LINE-MATE LINEAR SURFACE FINISHING SYSTEM

The professional choice for applying a linear finish

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



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



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



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

## COOLCUT™ FLAP DRUMS



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

## TWO-IN-ONE™ DRUMS



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

## TWO-IN-ONE™ TURBO DRUMS



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

## BLENDEX™ DRUMS



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

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

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



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



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

## BLENDEX HD™ DRUMS



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

## INOX TAPE

Excellent for a perfect mitred corner finish

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

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



## BUFFING DRUMS



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

Use with polishing pastes.



Harder multi-ply      Softer fold

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

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

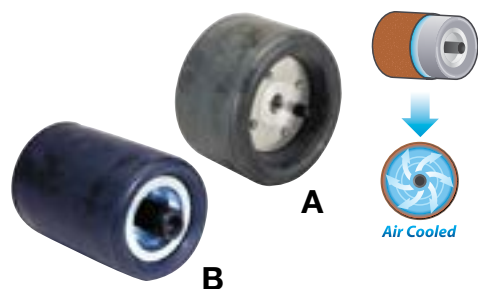


## HIGH POLISH DRUM BELTS



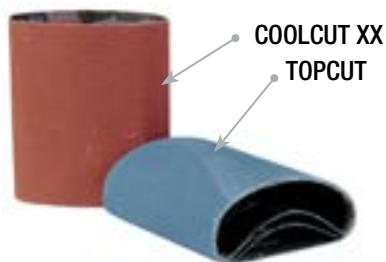
| Width  | Length  | Dia.   | Color  | Order No. | Std. Pkg. | Std. Ctn. |
|--------|---------|--------|--------|-----------|-----------|-----------|
| 5 3/8" | 11 5/8" | 3 1/2" | White  | 07-T 530  | 1         | 10        |
| 3 1/2" | 15 1/2" | 5"     | Yellow | 07-T 334  | 1         | 10        |
|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





Put a cushion of air between your abrasives to:

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



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



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

## PNEUMATIC DRUMS

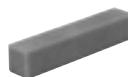
### Accessories

| Photo                                    | Width  | Dia.   | Arbor   | Max. RPM | Order No. |
|--|--------|--------|---------|----------|-----------|
| A  | 3 1/2" | 5"     | 5/8"-11 | 3,800    | 07-F 037* |
| B  | 5 3/8" | 3 1/2" | 5/8"-11 | 3,800    | 07-F 051  |
| *MUST USE extension for pneumatic drum A |        |        |         |          | 08-B 009  |

### Replacement rubber bladder assemblies

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

### Rubber cleaning stick



|  |          |
|--|----------|
| Prolongs the life of drum belts by removing build-up | 14-E 001 |
|--|----------|

## TOPCUT™ AND COOLCUT XX™ DRUM BELTS



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

## BLENDEX™ DRUM BELTS



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



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



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

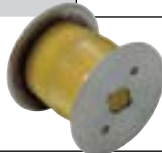


#### Accessory

##### Belt drive roller

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

Order No. 07-F 002



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



## INSTANT POLISH™ DRUM BELTS

One-step solution for achieving a #8 mirror finish



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

## BLENDEX™ T-LOCK BELTS



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

## T-LOCK POLISHING FELT BELT



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

Use with polishing paste.



## HAND RAIL FINISHING KIT

Order No. 07-H 992

#### Includes:

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

## FX™ FLEX DRUMS

Clean welds and finish the surface in one step

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



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

### FX™ DRUMS



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

### FX™ DRUMS REVERSIBLE



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

### LINEAR CRIMPED BRUSHES



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

### LINEAR CRIMPED BRUSHES



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

## LINE-MATE III™ SYSTEM

Linear finishing made easy

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

#### Includes:

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

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



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



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



- ▷ Reversible for uniform wear on uneven surfaces



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

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



## RAIL-MATE™

Remove welds and finish pipes, tubes and railings faster

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

See page 181 for more details.



**TACKLE ANY APPLICATION**  
FROM HEAVY STOCK  
REMOVAL TO POLISHING

### Benefits

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

### Features

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

### Tech tip!

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

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



| Product           | Application          | Product category | Type of finish           | Pre-finishing         | Coarse finish           | Sanitary                | Pharma                  | Light polish          | Mirror finish         |
|-------------------|----------------------|------------------|--------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|
|                   |                      |                  | Ra                       | (>60 $\mu\text{in}$ ) | (60-50 $\mu\text{in}$ ) | (40-25 $\mu\text{in}$ ) | (16-12 $\mu\text{in}$ ) | (8-4 $\mu\text{in}$ ) | (4-1 $\mu\text{in}$ ) |
|                   |                      |                  | Grit size                |                       |                         |                         |                         |                       |                       |
| COOLCUT XX Drums  | Blending             | 14-X             | 40                       | ■                     |                         |                         |                         |                       |                       |
|                   |                      |                  | 60                       |                       | ■                       |                         |                         |                       |                       |
|                   |                      |                  | 80                       |                       |                         | ■                       |                         |                       |                       |
|                   |                      |                  | 120                      |                       |                         |                         | ■                       |                       |                       |
| BLENDIX Belts     | Surface conditioning | 07-D             | Coarse                   |                       |                         | ■                       |                         |                       |                       |
|                   |                      |                  | Medium                   |                       |                         |                         | ■                       |                       |                       |
|                   |                      |                  | Fine                     |                       |                         |                         |                         | ■                     |                       |
| High Polish Belts | Mirror finishing     | 07-T + paste     | Instant Polish 1000-1500 |                       |                         |                         |                         |                       | ■                     |
|                   |                      | 07-T + paste     | Ultimate Shine 2000-2500 |                       |                         |                         |                         |                       | ■                     |

## COOLCUT XX BELTS

For heavy stock removal

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

### COOLCUT XX RAIL-MATE BELTS



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

## BLENDEX BELTS

For surface conditioning and removing fine scratches

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

### BLENDEX RAIL-MATE BELTS



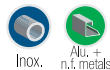
| Width  | Length | Grit   | Order No. | Max. RPM | Optimal RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|--------|-----------|----------|-------------|-----------|-----------|
| 1 1/2" | 30"    | Coarse | 07-D 152  | 3,200    | 2,500       | 5         | 100       |
| 1 1/2" | 30"    | Medium | 07-D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

## POLISHING BELTS

For applying a decorative or mirror finish

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

### RAIL-MATE POLISHING BELTS



| Width  | Length | Color  | Order No. | Max. RPM | Optimal RPM | Std. Pkg. | Std. Ctn. |
|--------|--------|--------|-----------|----------|-------------|-----------|-----------|
| 1 1/2" | 30"    | Yellow | 07-T 220  | 3,200    | 1,600       | 5         | 20        |

## POLISHING PASTES

For use with felt, high polish and instant polish discs



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



### Benefits

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

### Features

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



### Benefits

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

### Features

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



### Features

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



## COATED ABRASIVE FILE BELTS

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

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



TOPCUT+

INOX+

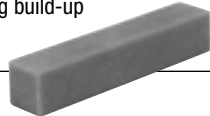
- ▶ *Made from top quality grain for sanding and finishing of stainless steel*
- ▶ *Leaves a smooth and bright surface finish*

### Accessory

#### Rubber cleaning stick

Prolongs the life of drum belts by removing build-up

Order No. 14-E 001



## NON-WOVEN ABRASIVE FILE BELTS

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



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

### TOPCUT+ FILE BELTS



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

### INOX+ FILE BELTS



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

### BLENDEX+™ FILE BELTS



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

# CIRCULAR FINISHING QUICK-STEP SYSTEM



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

## For all your surface finishing needs!

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

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



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



Learn how to achieve the perfect finish every time with our online videos at [www.youtube.com/thewalternetwork](http://www.youtube.com/thewalternetwork)



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

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

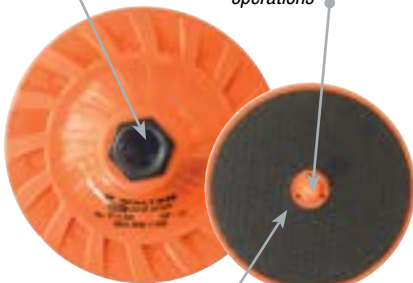


Simply center pin on the backing pad and mount QUICK-STEP disc



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

Exclusive centering pin guarantees vibration-free operations



Torque resistant mushroom hooks hold discs securely in place

## QUICK-STEP™ BACKING PADS

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

### QUICK-STEP MG BACKING PADS

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

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

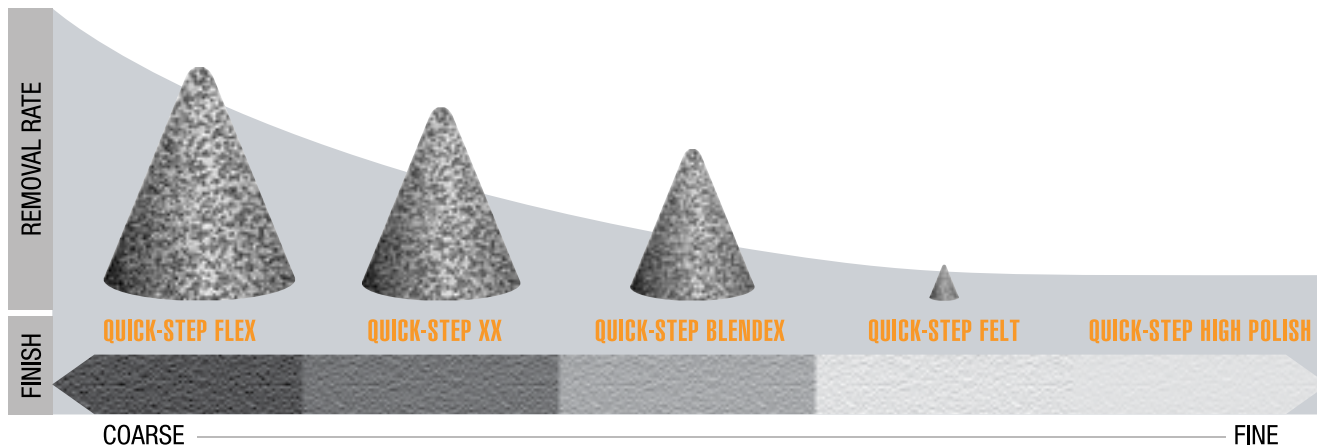
### QUICK-STEP BACKING PADS

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

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



# QUICK-STEP™ METAL SURFACE FINISHING SYSTEM



## QUICK-STEP™ FX QUICK-STEP FX SURFACE CLEANING DISCS



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



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

## QUICK-STEP™ FLEX



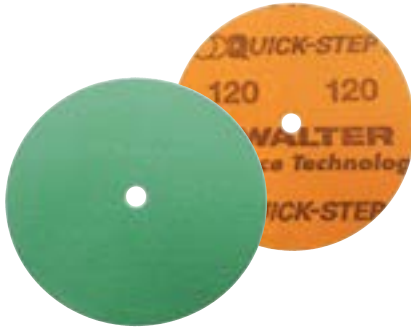
| Dia.   | Grit | Order No. | Max. RPM | Optimal RPM | Std. Pkg. | Std. Ctn. |
|--------|------|-----------|----------|-------------|-----------|-----------|
| 4 1/2" | 40   | 07-Q 454  | 11,000   | 8,000       | 10        | 40        |
| 4 1/2" | 60   | 07-Q 456  | 11,000   | 8,000       | 10      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



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

### Tech tip!

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



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



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



## QUICK-STEP XX™ SANDING DISCS

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



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

## QUICK-STEP INTERFACE PADS

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

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

## SPACER WASHERS

For grinders with: 5/8"-11 spindle

07-Q 001

For grinders with: M14x2.0 spindle

07-Z 005

## POLISHING PASTES

For use with felt, high polish and instant polish discs



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

# QUICK-STEP BLENDEX

SURFACE CONDITIONING DISCS



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



**X-TRA COARSE:** *For blending*

**COARSE:** *For removing scratches*

**MEDIUM:** *For cleaning and eliminating superficial scratches*

**FINE:** *For fine striated finishes*

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

## QUICK-STEP FELT DISCS



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

\* For use with ULTI-MATE finishing tool.

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



## QUICK-STEP HIGH POLISH DISCS



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

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



## QUICK-STEP INSTANT POLISH™ DISCS

One-step solution to achieving a #8 mirror finish



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

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

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

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



# BLENDEX U™

Superior finishes in less time

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



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

## BLENDEX U CUP DISCS



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



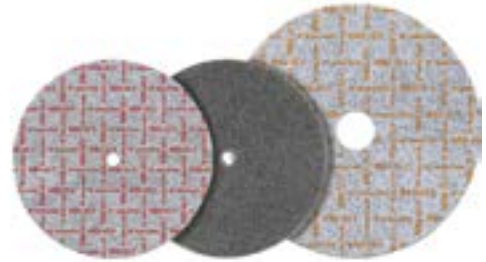
## BLENDEX U WHEELS



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

See reducer bushings on page ??.

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



## BLENDEX U MOUNTED POINTS



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

Also see BLENDEX U Twist discs.

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



## POLISHING FLAP DISCS

High performance flap disc optimized for polishing and mirror finish applications

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



### INSTANT POLISH FLAP DISC

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



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

### ULTIMATE SHINE FLAP DISC

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



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

### FELT CUP DISC

Hard density felt disc for polishing applications



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



- ▷ To be used with polishing pastes
- ▷ For use on angle grinders with a suitable speed range

### POLISHING PASTES

For use with felt, high polish and instant polish discs



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

- ▷ 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



# FX™ CLEANING ABRASIVES

Quick, easy surface cleaning on all metals

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

## SPIN-ON CUP DISCS



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

## FX STAINLESS CUP WHEEL

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

## MOUNTED WHEELS



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

## CLEANING WHEELS



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



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

### Accessories

#### Mounting accessories for 4" FX wheels

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



#### Mounting accessories for 6" FX wheels

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



#### Extension mandrels for use on angle grinders

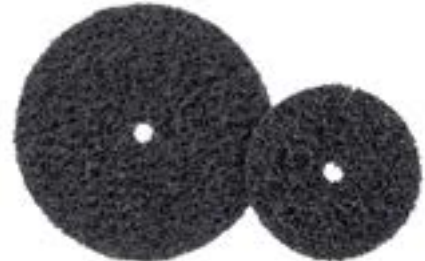
- M14 thread **Order No. 07-C 005**
- 5/8"-11 thread **Order No. 07-C 006**



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



- ▷ Excellent for working in confined areas



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





## FX™ STAINLESS

For cleaning welds on stainless steel

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

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

### Features

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

### Benefits

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



## BLENDEX U TURBO

For blending in fillet welds and deburring applications

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

### Features

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

### Tech tip!

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

### Benefits

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

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

## QUICK-STEP™ STARTER KIT

### Includes:

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



### Features

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

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

## ULTI-MATE™ SYSTEM

Ulti-Mate system for finishing in tight corners

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

See page 180 for more details.



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

**N° de comm.: 30-A 287**

### Includes:

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

### Benefits

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

### Features

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

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



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

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



# TWIST™ SURFACE FINISHING SYSTEM

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

## QUICK DISC CHANGE BETWEEN FINISHING STEPS

*Simply twist any abrasive to the backing pad and start working*

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



## TWIST™ QUICK-CHANGE SURFACE FINISHING SYSTEM

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



### TWIST™ BACKING PADS

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

Color code: Medium = orange, Hard = black

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

### TWIST™ FLAP DISCS



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

Use with 2" backing pads

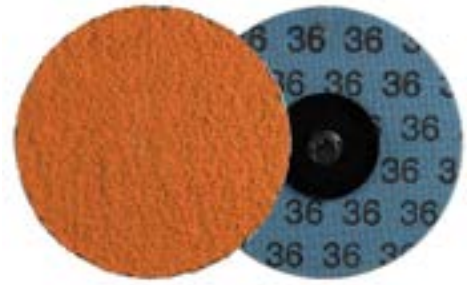


- ▷ Long lasting with a consistent surface finish from start to end
- ▷ Very high removal rate
- ▷ Excellent for weld blending and finishing work

## TWIST COOLCUT XX SANDING DISCS



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



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

## TWIST TOPCUT SANDING DISCS



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



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



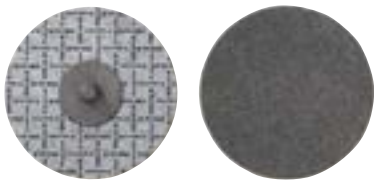
## TWIST BLENDEX CONDITIONING DISCS



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



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



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

▷ Designed for polishing

▷ 100% pure premium wool product

▷ Use with Walter polishing pastes

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

▷ Suitable for use in food processing industries



## TWIST BLENDEX U DISCS



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

## TWIST FELT DISCS



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

## POLISHING PASTES

For use with felt, high polish and instant polish discs



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



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

▷ Cleans without damaging the surface

▷ Leaves no residue on the surface

## FX SURFACE CLEANING DISCS



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

## TWIST STARTER KITS

### 2" assortment includes:

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

Order No. 04-Z 992

### 3" assortment includes:

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

Order No. 04-Z 993



# Safety Seminar

ABRASIVES | POWER TOOLS



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

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

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

---

## The Walter Safety Seminar is ...

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



## Safety Seminar Topics:

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

*...and more*

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

**1-866-592-5837**  
**walter.com/support/safety-first**

Keep in mind  
**Safety Starts With You!**

07

BRUSHING



# HIGH PERFORMANCE POWER BRUSHES



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

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

## Perfect Balance

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

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



## Longest Life

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

### Color coded hubs for easy identification

#### Hub color Wire type

##### Orange



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






##### Blue



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



Choose the right wire brush for your application

| POWER TOOL USED  | TYPE OF BRUSH      | BRUSH DIA.    | COMPATIBLE GRINDER DIAMETER                               | WIRE CONSTRUCTION             | APPLICATION   | METAL |
|--|--------------------|---------------|---|-------------------------------|---|-------|
| <br>Flat cleaning     | Wire cup brushes   | 3"            | 4", 4 1/2", 5", 6"  | <b>Crimped</b>                | For quick, efficient cleaning, brushing and finishing of large flat surfaces.                                 | ● ●   |
|  |                    | 4"            | 7", 9"  | <b>Knot-Twisted</b>           | For heavy-duty applications such as deburring, weld cleaning or removing significant oxidation from surfaces. | ● ●   |
|  |                    | 5"<br>6"      | 7", 9"<br>9"  | <b>Knot-Twisted with ring</b> | Heavy-duty cleaning with thicker wire and a supporting ring for added safety and a longer working life.       | ● ●   |
| <br>Angle cleaning    | Saucer-Cup brushes | 4"            | 4", 4 1/2", 5"  | <b>Knot-Twisted</b>           | For weld cleaning and deburring in hard to reach areas such as inside corners, fillet welds and contours.     | ● ●   |
|  |                    | 5"<br>6", 7"  | 5", 6"<br>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.        | ●     |
| <br>Vertical cleaning | Wire wheel brushes | 4"            | 4", 4 1/2", 5"  | <b>Crimped</b>                | For cleaning welds or over uneven surfaces, such as pipe and tubing.  | ● ●   |
|  |                    | 4 1/2"<br>5"  | 4 1/2", 5"<br>5", 6"                                      | <b>Stringer Bead</b>          | For cleaning in narrow spaces such as in between passes on pipes or narrow groves, etc.                       | ● ●   |
|  |                    | 6", 6 3/8"    | 7", 9"  | <b>Knot-Twisted</b>           | For cleaning wider root passes as well as removing scale, spatter and corrosion.                              | ● ●   |
| <br>Vertical cleaning | Wire wheel brushes | 4"<br>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 gaskets.                                   | ● ●   |
| <br>Vertical cleaning | Mounted brushes    | 1/2"<br>to 4" | All drill or die grinders with a 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 gaskets.                                   | ● ●   |

# WIRE CUP BRUSHES

For angle grinders

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

## CRIMPED



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



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

## CRIMPED WITH RING



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



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

## CRIMPED



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

## KNOT-TWISTED



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



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



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

## KNOT-TWISTED



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





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



*Double-row*

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



## WIRE CUP BRUSHES

### **KNOT-TWISTED WITH RING**



| Dia. | Arbor     | Order No. | Wire size | Thick. | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|-----------|-----------|-----------|--------|----------|-----------|-----------|
| 3"   | M14 x 2.0 | 13-G 302  | .020"     | ½"     | 12,000   | 1         | 10        |
| 3"   | ½"-13     | 13-G 303  | .020"     | ½"     | 12,000   | 1         | 10        |
| 3"   | ⅝"-11     | 13-G 304  | .020"     | ½"     | 12,000   | 1         | 10        |
| 4"   | ⅝"-11     | 13-G 404  | .020"     | ½"     | 8,600    | 1         | 10        |
| 5"   | ⅝"-11     | 13-G 504  | .020"     | ½"     | 8,600    | 1         | 10        |
| 5"   | ⅝"-11     | 13-G 554  | .035"     | ½"     | 8,600    | 1         | 10        |
| 6"   | ⅝"-11     | 13-G 604  | .020"     | ½"     | 6,800    | 1         | 10        |

### **KNOT-TWISTED WITH RING**



| Dia. | Arbor     | Order No. | Wire size | Thick. | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|-----------|-----------|-----------|--------|----------|-----------|-----------|
| 3"   | M14 x 2.0 | 13-G 312  | .020"     | ½"     | 12,000   | 1         | 10        |
| 3"   | ⅝"-11     | 13-G 314  | .020"     | ½"     | 12,000   | 1         | 10        |
| 5"   | ⅝"-11     | 13-G 514  | .020"     | ½"     | 8,600    | 1         | 10        |

### **DOUBLE-ROW KNOT-TWISTED CUP BRUSHES WITH RING**



| Dia. | Arbor | Order No. | Wire size | Thick. | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|-------|-----------|-----------|--------|----------|-----------|-----------|
| 5"   | ⅝"-11 | 13-G 574  | .020"     | 1"     | 8,600    | 1         | 10        |

### **DOUBLE-ROW KNOT-TWISTED CUP BRUSHES WITH RING**



| Dia. | Arbor | Order No. | Wire size | Thick. | Max. RPM | Std. Pkg. | Std. Ctn. |
|------|-------|-----------|-----------|--------|----------|-----------|-----------|
| 5"   | ⅝"-11 | 13-G 584  | .020"     | 1"     | 8,600    | 1         | 10        |

# WIRE WHEEL BRUSHES

For precision cleaning with angle grinders

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

## CRIMPED WIRE WHEEL



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



## CRIMPED WIRE WHEEL



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



## STRINGER BEAD



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



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

## STRINGER BEAD



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

## KNOT-TWISTED



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



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

## KNOT-TWISTED



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

# SAUCER-CUP BRUSHES

For cleaning hard-to-reach areas

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

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

## CRIMPED



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

## KNOT-TWISTED



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

## KNOT-TWISTED



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

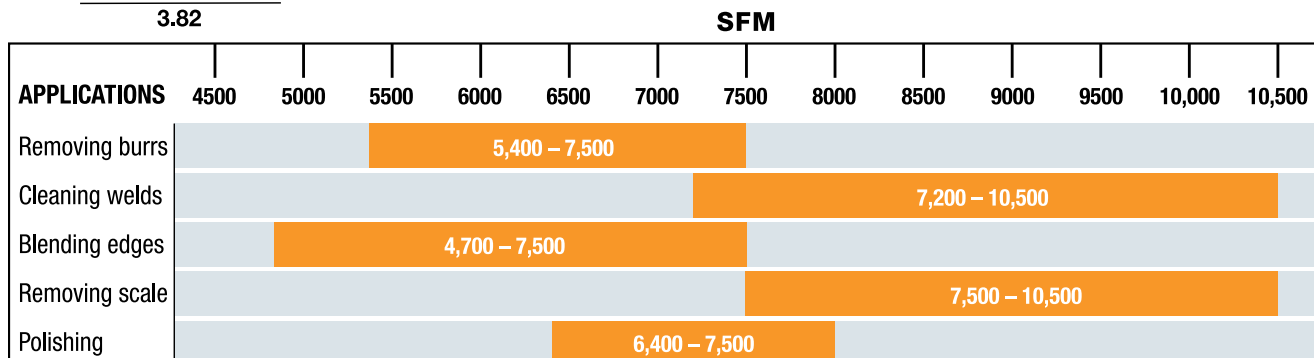
To convert brushes with 5/8"-11 arbor, please see page 215 for special threaded adaptors.



## Choose the right speed for your application

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

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





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

Spherical



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

Straight



Conical



Wheel



Cup



## MOUNTED WIRE BRUSHES

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

For die grinders 1/4" shaft.

### MOUNTED CRIMPED



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

### MOUNTED CRIMPED



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

**KNOT-TWISTED**

| Type       | Dia.   | Width | Order No. | Wire size | Max. RPM | Std. Pkg. | Std. Ctn. |
|------------|--------|-------|-----------|-----------|----------|-----------|-----------|
| Straight   | 1 1/8" |       | 13-C 020  | .020"     | 25,000   | 1         | 10        |
| Wheel      | 2 3/4" | 3/8"  | 13-C 130  | .020"     | 25000    | 1         | 10        |
| Saucer-cup | 3"     | 1/2"  | 13-C 270  | .020"     | 25000    | 1         | 10        |
| Cup        | 3"     | 1/2"  | 13-C 370  | .020"     | 12,000   | 1         | 10        |

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

**KNOT-TWISTED**

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

**DOUBLE SIDED KNOT-TWISTED**

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

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

Straight



Wheel



Saucer-cup



Cup



COMBINE YOUR WIRE BRUSH WITH THE BEST POWER TOOL!

Mandrel shown on picture sold separately.

Wheel

**LINEAR CRIMPED BRUSHES**

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

**LINEAR CRIMPED BRUSHES**

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

**LINEAR CRIMPED BRUSHES**

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



# WIRE WHEEL BRUSHES

For bench and pedestal grinders

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

## CRIMPED



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

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

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



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

## CRIMPED



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

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



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

## KNOT-TWISTED



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

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

### Accessory

|                             |          |
|-----------------------------|----------|
| Replacement set of bushings |          |
| Complete set                | 13-B 015 |









# 08

## TOOLING



# How to choose the right drill bit

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

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

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

### All Walter drill bits feature:

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

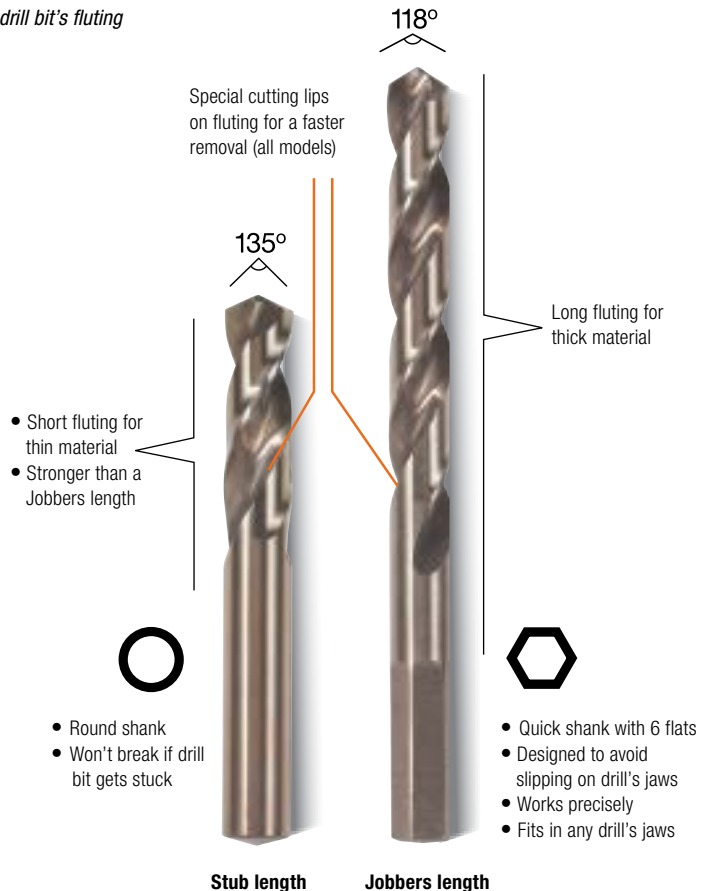
## Drill more holes... faster!

### Tech tip!

Three ways to maximize drilling efficiency:

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

Order No.: 53-B 013





# SST™ 118° JOBBERS LENGTH FRACTIONAL

## Quick shank drill bits

For hand held tools in mild steel

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

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



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

Packaged in reusable plastic boxes.

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



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



NOW AVAILABLE INDIVIDUALLY



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

1/16" to 1/2" by 64<sup>th</sup>s

29 drill bits

Order No. 01-E 118



1/16" to 1/2" by 64<sup>th</sup>s

29 Jobbers Length drill bits

Order No. 01-E 178

### Tech tip!

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

Order No.: 53-B 013

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

For high tensile steel

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



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

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



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

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

1/16" to 1/2" by 64<sup>ths</sup>  
29 drill bits  
**Order No. 01-E 618**



1/16" to 1/2" by 64<sup>ths</sup>  
29 Jobbers Length drill bits  
**Order No. 01-E 678**



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

# SST+™ 135° JOBBERS LENGTH METRIC AND LETTER SIZES

## Round shank drill bits

For high tensile steel

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



### METRIC SIZES

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

*Packaged in reusable plastic packaging.*

### LETTER SIZES

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

*Packaged in reusable plastic packaging.*

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

For high tensile steel

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



*Packaged in reusable plastic packaging.*

*Sizes #53 to #60 have a regular point.*

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

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

## Round shank stub drill bits

For thin gauge and sheet metal

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

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

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



### FRACTIONAL SIZES

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

### CORRESPONDING RIVET SIZES

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

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



## SST+™ 135° STUB LENGTH FRACTIONAL

### Quick shank drill bits

For thin gauge material and sheet metal

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



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

#### Tech tip!

Remember this rule:

Small diameter bits = High speed, low feed

Large diameter bits = Low speed, high feed

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

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

# SST+™ 135° STUB LENGTH FRACTIONAL AND WIRE GAUGE

## Round shank drill bits

For thin gauge material and sheet metal

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



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

### FRACTIONAL SIZES

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

Packaged in reusable plastic packaging.

### WIRE GAUGE SIZES

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

Packaged in reusable plastic packaging.

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

### Round shank bits

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

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



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

Packaged in reusable plastic packaging.

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

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

### Three flats shank drill bits

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

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



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

|         |        |    |          |   |    |
|---------|--------|----|----------|---|----|
| 3/4"    | 3 1/8" | 6" | 01-M 548 | 1 | 10 |
| 49/64"  | 3 1/8" | 6" | 01-M 549 | 1 | 10 |
| 25/32"  | 3 1/8" | 6" | 01-M 550 | 1 | 10 |
| 51/64"  | 3 1/8" | 6" | 01-M 551 | 1 | 10 |
| 13/16"  | 3 1/8" | 6" | 01-M 552 | 1 | 10 |
| 53/64"  | 3 1/8" | 6" | 01-M 553 | 1 | 10 |
| 27/32"  | 3 1/8" | 6" | 01-M 554 | 1 | 10 |
| 55/64"  | 3 1/8" | 6" | 01-M 555 | 1 | 10 |
| 7/8"    | 3 1/8" | 6" | 01-M 556 | 1 | 10 |
| 57/64"  | 3 1/8" | 6" | 01-M 557 | 1 | 10 |
| 29/32"  | 3 1/8" | 6" | 01-M 558 | 1 | 10 |
| 59/64"  | 3 1/8" | 6" | 01-M 559 | 1 | 10 |
| 15/16"  | 3 1/8" | 6" | 01-M 560 | 1 | 10 |
| 61/64"  | 3 1/8" | 6" | 01-M 561 | 1 | 10 |
| 31/32"  | 3 1/8" | 6" | 01-M 562 | 1 | 10 |
| 63/64"  | 3 1/8" | 6" | 01-M 563 | 1 | 10 |
| 1"      | 3 1/8" | 6" | 01-M 600 | 1 | 10 |
| 1 1/16" | 3 1/8" | 6" | 01-M 604 | 1 | 10 |
| 1 1/8"  | 3 1/8" | 6" | 01-M 608 | 1 | 10 |
| 1 3/16" | 3 1/8" | 6" | 01-M 612 | 1 | 10 |
| 1 1/4"  | 3 1/8" | 6" | 01-M 616 | 1 | 10 |
| 1 5/16" | 3 1/8" | 6" | 01-M 617 | 1 | 10 |
| 1 3/8"  | 3 1/8" | 6" | 01-M 618 | 1 | 10 |
| 1 7/16" | 3 1/8" | 6" | 01-M 619 | 1 | 10 |
| 1 1/2"  | 3 1/8" | 6" | 01-M 620 | 1 | 10 |

Packaged in reusable plastic packaging. For sizes smaller than 39/64", use our jobber's length drill bits.



## DRILL BIT SETS

Packaged in sturdy metal index containers or shock resistant, extra-thick polyethylene carrying case. Drill bit sizes are clearly marked on inside panels for easy identification and selection. The sets in metal boxes are ideal for use in a shop environment where they can be easily stored in a drawer or tool box. Sets in orange polyethylene carrying cases are an excellent option for contractors or off-site operations. They have a belt clip for ease of use and a threaded top that helps prevent the drill bits from going everywhere if the set is dropped.

| Photo | Type  | Sizes                              | Order No. | Qty Inside | Std. Pkg. | Std. Ctn. |
|-------|---|------------------------------------|-----------|------------|-----------|-----------|
| A     | SST+ 135° Jobbers length round shank, fractional              | 1/16" to 1/2" by 32 <sup>nds</sup> | 01-E 606  | 15         | 1         | 10        |
| B     | SST+ 135° Jobbers length round shank, fractional              | 1/16" to 3/8" by 64 <sup>ths</sup> | 01-E 621  | 21         | 1         | 10        |
| C     | SST 118° Jobbers length quick shank, fractional/polymer case  | 1/16" to 1/2" by 64 <sup>ths</sup> | 01-E 178  | 29         | 1         | 10        |
| C     | SST+ 135° Jobbers length round shank, fractional/polymer case | 1/16" to 1/2" by 64 <sup>ths</sup> | 01-E 678  | 29         | 1         | 10        |
| C     | SST+ 135° 3/4" reduced shank, fractional/polymer case         | 1/16" to 1/2" by 64 <sup>ths</sup> | 01-E 818  | 29         | 1         | 10        |
| D     | SST+ 135° Stub length quick shank, fractional/polymer case    | 1/16" to 1/2" by 64 <sup>ths</sup> | 01-E 239  | 29         | 1         | 10        |
| E     | SST 118° Jobbers length quick shank, fractional/round case    | 1/16" to 1/2" by 64 <sup>ths</sup> | 01-E 118  | 29         | 1         | 10        |
| E     | SST+ 135° Jobbers length round shank, fractional/round case   | 1/16" to 1/2" by 64 <sup>ths</sup> | 01-E 618  | 29         | 1         | 10        |
| F     | SST+ 135° Jobbers length round shank, wire gauge              | No. 1 to 60                        | 01-E 619  | 60         | 1         | 10        |
| G     | SST+ 135° Prentice three flats, fractional                    | 3/16" to 1" by 16 <sup>ths</sup>   | 01-E 708  | 8          | 1         | 10        |
| H     | SST+ 135° Jobbers length round shank, metric                  | 1 to 13 mm by 0.5 mm               | 01-E 625  | 25         | 1         | 10        |



**A**  
1/16" to 1/2" by 32<sup>nds</sup>  
15 drill bits



**B**  
1/16" to 3/8" by 64<sup>ths</sup>  
21 drill bits



**C**  
1/16" to 1/2" by 64<sup>ths</sup>  
29 Jobbers Length drill bits



**D**  
1/16" to 1/2" by 64<sup>ths</sup>  
29 Stub Length drill bits



**E**  
1/16" to 1/2" by 64<sup>ths</sup>  
29 drill bits



**F**  
No. 1 to 60  
60 wire gauge drill bits



**G**  
3/16" to 1" by 16<sup>ths</sup>  
8 Prentice drill bits



**H**  
1 to 13 mm by 0.5 mm  
25 Metric drill bits



# MULTI-STEP™ DRILL BITS

Now with the exclusive ICECUT coating

Multi-Step drill bits are the fastest and easiest way to enlarge holes in sheet metal and other materials up to 1/8" thick.

- ▷ *Special AlCrN coating provides additional toughness and wear resistance to prolong tooling life, even when compared to titanium based coatings such as TiN or TiAlN*
- ▷ *2 wide cylindrical flutes eliminate chip build-up for faster drilling and to produce holes with minimal vibration or distortion*
- ▷ *Each shank has three flats for easy mounting*
- ▷ *Spiral fluting is ideal to improve speed when working with cordless power tools*
- ▷ *Straight fluting is ideal to ensure you get the proper hole size without warping on corded power tools*

| Type | Order No. | Type of flute | Shank Dia | Overall Length | Step qty | Step thick. | Step size  | Std. Pkg. | Std. Ctn. |
|------|-----------|---------------|-----------|----------------|----------|-------------|--|-----------|-----------|
| A    | 01-W 001  | SPIRAL        | 1/4"      | 2 15/16"       | 13       | 1/8"        | 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2" | 1         | 10        |
| B    | 01-W 005  | SPIRAL        | 3/8"      | 3 1/4"         | 12       | 1/8"        | 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"           | 1         | 10        |
| C    | 01-W 011  | SPIRAL        | 3/8"      | 2 3/4"         | 9        | 1/8"        | 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"                                | 1         | 10        |
| D    | 01-W 012  | SPIRAL        | 3/8"      | 3 3/16"        | 10       | 9/64"       | 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8"                           | 1         | 10        |
| E    | 01-W 021  | SPIRAL        | 1/4"      | 3 1/8"         | 6        | 3/8"        | 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"  | 1         | 10        |
| F    | 01-W 029  | SPIRAL        | 3/8"      | 3 1/4"         | 10       | 1/8"        | 1/4", 13/32", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"                        | 1         | 10        |
| A    | 01-W 101  | STRAIGHT      | 1/4"      | 2 15/16"       | 13       | 1/8"        | 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2" | 1         | 10        |
| B    | 01-W 105  | STRAIGHT      | 3/8"      | 2 15/16"       | 12       | 1/8"        | 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"           | 1         | 10        |
| C    | 01-W 111  | STRAIGHT      | 3/8"      | 2 3/4"         | 9        | 1/8"        | 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"                                | 1         | 10        |
| D    | 01-W 112  | STRAIGHT      | 3/8"      | 3 3/16"        | 10       | 9/64"       | 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/8", 1 1/4", 1 3/8"                           | 1         | 10        |

Packaged in reusable plastic packaging.



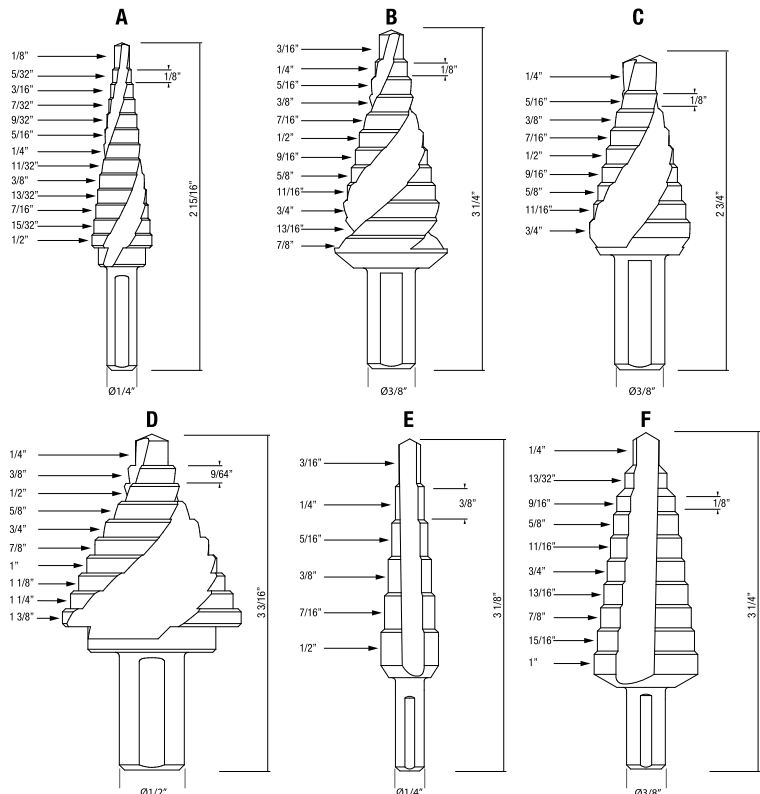
## STEP DRILL SET

Contains the three Multi-Step bits needed for all hole sizes from 1 3/8".

Each kit contains:

- 01-W 001
- 01-W 005
- 01-W 012

Order No. 01-W 951



**NEW**

## REAMERS

Best cutting performance, longest life

Made in the UK from premium high-speed steel, Walter reamers deliver the best cutting performance and longest life. They are the perfect tool for enlarging and aligning holes in separate pieces of metal. Tapered design enables ease of use and the shank with three flats makes use with hand-held drills hassle-free.



| Dia.    | Overall Length | Shank Dia. | Order No. | Std. Pkg. | Std. Ctn. |
|---------|----------------|------------|-----------|-----------|-----------|
| 5/16"   | 5"             | 3/8"       | 01-P 005  | 1         | 10        |
| 3/8"    | 5"             | 3/8"       | 01-P 006  | 1         | 10        |
| 7/16"   | 5 1/4"         | 1/2"       | 01-P 007  | 1         | 10        |
| 1/2"    | 5 15/16"       | 1/2"       | 01-P 008  | 1         | 10        |
| 9/16"   | 5 15/16"       | 1/2"       | 01-P 009  | 1         | 10        |
| 5/8"    | 6 9/16"        | 1/2"       | 01-P 010  | 1         | 10        |
| 11/16"  | 7"             | 1/2"       | 01-P 011  | 1         | 10        |
| 3/4"    | 7"             | 1/2"       | 01-P 012  | 1         | 10        |
| 13/16"  | 7 1/4"         | 1/2"       | 01-P 013  | 1         | 10        |
| 7/8"    | 7 1/4"         | 1/2"       | 01-P 014  | 1         | 10        |
| 15/16"  | 7 1/4"         | 1/2"       | 01-P 015  | 1         | 10        |
| 1"      | 7 1/4"         | 1/2"       | 01-P 100  | 1         | 10        |
| 1 1/16" | 7 1/4"         | 1/2"       | 01-P 101  | 1         | 10        |

### REAMER SET

Reamers available in six different sizes in 1/8" increments from 3/8" diameter to 1" diameter. Walter's Reamer Kit is the perfect tooling to meet the majority of hole alignment and enlarging needs in metal pieces of all kinds.

Order No. 01-P 990

**NEW**

- ▷ 3/8" shank with three flats
- ▷ Reamers won't slip
- ▷ 5/16" to 1-1/16" diameter

## MULTI-STEP™ REAMER

Enlarge holes easily and consistently

The new and innovative Multi-Step™ Reamer step drill makes enlarging holes easy and with consistent quality. 1/2" step thickness makes enlarging holes in sheet metal or even 1/2" metal plate a breeze. Ideal for enlarging or aligning stacked plates or pieces of metal up to a combined thickness of 1/2". Plus, the 3/8" shank with three flats makes using the Multi-Step™ Reamer step drill in drill chucks easy. Reamers won't slip! Available in three individual sizes, with five steps each, ranging from 5/16" to 1-1/16" diameter.



| Order No. | Overall Length | Flute Length | Step qty | Step thick. | Step size                               | Std. Pkg. | Std. Ctn. |
|-----------|----------------|--------------|----------|-------------|---|-----------|-----------|
| 01-W 151  | 4 1/8"         | 3"           | 5        | 1/2"        | 5/16", 3/8", 13/32", 7/16", 1/2", 9/16" | 1         | 10        |
| 01-W 152  | 4 1/4"         | 3 3/16"      | 5        | 1/2"        | 9/16", 5/8", 11/16", 3/4", 13/16"       | 1         | 10        |
| 01-W 153  | 4 3/8"         | 3 3/16"      | 5        | 1/2"        | 13/16", 7/8", 15/16", 1", 1 1/16"       | 1         | 10        |

### STEP DRILL REAMER SET

The Multi-Step™ reamer step drill kit comes in three different sizes, providing only the only tools you'll need to enlarge holes in metal plates up to 1/2" thick – from 5/16" diameter all the way to 1-1/16".

Order No. 01-W 995



# COUNTERSINKS

Now with the exclusive ICECUT coating

Made of M2Al to minimize vibration and maximize product life. Also features an exclusive AlCrN coating to provide greater heat resistance to further extend product life. The 82° point angle is ideal for countersinking but they can also be used for deburring and chamfering in steel, stainless steel and non-ferrous metals

- ▷ Thicker teeth for added stability
- ▷ Special coating reducing frictional heat
- ▷ Exclusive coating for optimized tool life
- ▷ Special tip geometry for a uniform chamfer



## COUNTERSINKS

| Dia.  | Angle | Overall Length | Shank Dia. | Order No. | Std. Pkg. | Std. Ctn. |
|-------|-------|----------------|------------|-----------|-----------|-----------|
| 1/4"  | 82°   | 2"             | 3/16"      | 01-U 004  | 1         | 10        |
| 5/16" | 82°   | 2"             | 1/4"       | 01-U 005  | 1         | 10        |
| 3/8"  | 82°   | 2"             | 5/16"      | 01-U 006  | 1         | 10        |
| 1/2"  | 82°   | 2"             | 5/16"      | 01-U 008  | 1         | 10        |
| 5/8"  | 82°   | 2 1/4"         | 3/8"       | 01-U 010  | 1         | 10        |
| 3/4"  | 82°   | 2 3/4"         | 3/8"       | 01-U 012  | 1         | 10        |
| 1"    | 82°   | 2 3/4"         | 3/8"       | 01-U 100  | 1         | 10        |

Packaged in reusable plastic packaging.

## COUNTERSINKS

| Dia.   | Angle | Overall Length | Shank Dia. | Order No. | Std. Pkg. | Std. Ctn. |
|--------|-------|----------------|------------|-----------|-----------|-----------|
| 1"     | 82°   | 1 3/4"         | 3/4"       | 01-U 400  | 1         | 10        |
| 1 1/2" | 82°   | 2"             | 3/4"       | 01-U 408  | 1         | 10        |
| 2"     | 82°   | 2 1/4"         | 3/4"       | 01-U 500  | 1         | 10        |

Packaged in reusable plastic packaging.



## COUNTERSINK SET

Contains the four most popular countersinks (sizes 1/4", 3/8", 1/2", 3/4") and cutting lubricant. Packaged in a reclosable resistant plastic case.

Each kit contains:

- 01-U 004
- 01-U 006
- 01-U 008
- 01-U 012
- 01-U 100

Order No. 01-U 950



### Tech tip!

For increased cutting efficiency and tool life, use COOLCUT solid stick lubricant

Order No.: 53-B 013

## SST™ HIGH PERFORMANCE POWER TAPS

Specially designed for use on reversible portable drills, SST™ power taps are guaranteed to work faster and last longer than standard taps in steel, stainless steel and other ferrous or non-ferrous metals. SST™ power taps eliminate slow hand tapping to increase productivity and reduce overall production costs.

**GUARANTEED**  
TO TAP FASTER  
AND LAST LONGER

| Tap Size    | Overall Length | Drill Size | Order No. | Std. Pkg. | Std. Ctn. |
|-------------|----------------|------------|-----------|-----------|-----------|
| 6-32 NC     | 2 1/2"         | #36        | 03-A 561  | 1         | 10        |
| 6-40 NF     | 2 1/2"         | #33        | 03-A 564  | 1         | 10        |
| 8-32 NC     | 2 19/16"       | #29        | 03-A 581  | 1         | 10        |
| 8-36 NF     | 2 19/16"       | #29        | 03-A 584  | 1         | 10        |
| 10-24 NC    | 2 19/16"       | #25        | 03-A 601  | 1         | 10        |
| 10-32 NF    | 2 19/16"       | #21        | 03-A 604  | 1         | 10        |
| 12-24 NC    | 3 3/16"        | #16        | 03-A 621  | 1         | 10        |
| 12-28 NF    | 3 3/16"        | #15        | 03-A 624  | 1         | 10        |
| 1/4"-20 NC  | 3 3/16"        | #7         | 03-B 541  | 1         | 10        |
| 1/4"-28 NF  | 3 3/16"        | #3         | 03-B 544  | 1         | 10        |
| 5/16"-18 NC | 3 11/16"       | F          | 03-B 551  | 1         | 10        |
| 5/16"-24 NF | 3 11/16"       | I          | 03-B 554  | 1         | 10        |
| 3/8"-16 NC  | 4 3/32"        | 5/16"      | 03-B 561  | 1         | 10        |
| 3/8"-24 NF  | 4 3/32"        | Q          | 03-B 564  | 1         | 10        |
| 7/16"-14 NC | 4 3/32"        | U          | 03-B 571  | 1         | 10        |
| 7/16"-20 NF | 3 19/16"       | 25/64"     | 03-B 574  | 1         | 10        |
| 1/2"-13 NC  | 4 5/16"        | 27/64"     | 03-B 581  | 1         | 10        |
| 1/2"-20 NF  | 4 5/16"        | 29/64"     | 03-B 584  | 1         | 10        |
| 9/16"-12 NC | 4 5/16"        | 31/64"     | 03-B 591  | 1         | 10        |
| 9/16"-18 NF | 4 5/16"        | 33/64"     | 03-B 594  | 1         | 10        |
| 5/8"-11 NC  | 4 5/16"        | 17/32"     | 03-B 601  | 1         | 10        |
| 5/8"-18 NF  | 4 5/16"        | 37/64"     | 03-B 604  | 1         | 10        |
| 3/4"-10 NC  | 4 5/16"        | 21/32"     | 03-B 621  | 1         | 10        |
| 3/4"-16 NF  | 4 5/16"        | 11/16"     | 03-B 624  | 1         | 10        |
| 7/8"-9 NC   | 4 5/16"        | 49/64"     | 03-B 641  | 1         | 10        |
| 7/8"-14 NF  | 4 5/16"        | 19/16"     | 03-B 644  | 1         | 10        |
| 1"-8 NC     | 4 5/16"        | 7/8"       | 03-B 661  | 1         | 10        |
| 1"-12 NF    | 4 5/16"        | 59/64"     | 03-B 664  | 1         | 10        |

Tap drill size marked on shank (tap sizes 12-24 and over).  
Packaged in reusable plastic packaging.



- ▶ 3 flats to fit any drill chuck without slippage
- ▶ Special power tip ejects chips ahead of tap and self-aligns with hole axis for high quality threads
- ▶ Premium HSS body, ground threads, 3-flute plug style with SST surface treatment for long tap life
- ▶ Special long and resistant shank for tapping deep or difficult to reach holes

### SST power taps and drill bit sets

#### Power taps:

10-24 NC, 10-32 NF, 1/4"-20 NC, 5/16"-18 NC and 3/8"-16 NC

#### Drill bits:

#25, #21, #7, F and 5/16"

Order No. 03-B 952



### NC SST power taps and drill bit sets

#### Power taps:

6-32 NC, 8-32 NC, 10-24 NC, 12-24 NC 1/4"-20 NC, 5/16"-18 NC, 3/8"-16 NC, 7/16"-14 NC and 1/2"-13 NC

#### Drill bits:

#36, #29, #25, #16, #7, F, 5/16", U and 27/64"

Order No. 03-B 953



### NF SST power taps and drill bit sets

#### Power taps:

6-40 NF, 8-36 NF, 10-32 NF, 12-28 NF, 1/4"-28 NF, 5/16"-24 NF, 3/8"-24 NF, 7/16"-20 NF and 1/2"-20 NF

#### Drill bits:

#33, #29, #21, #15, #3, I, Q, 25/64" and 29/64"

Order No. 03-B 954

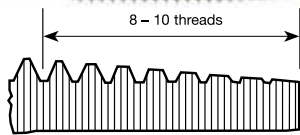


### Tech tip!

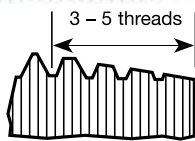
For increased cutting efficiency and tool life, use TAPCUT lubricant (see next page)



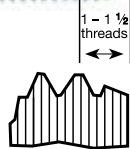
Taper



Plug



Bottoming



## TAPCUT™

Thread cutting lubricant

Specially formulated to improve life and tapping speed when working with taps and dies.

| Desc.               | Size           | Order No. | MSDS             | Std. Pkg. |
|---------------------|----------------|-----------|------------------|-----------|
|                     | Metric US Gal  |           |                  |           |
| Squ.bottle          | 350 ml 11.8 oz | 53-A 103  | L-115E           | 12        |
| Liquid              | 20 L 5.2 gal   | 53-A 107  | L-115E           | 1         |
| <b>Accessories</b>  |                |           | <b>Order No.</b> |           |
| Spout for 20 L pail |                |           | 53-L 207         |           |

## SST+ HSS™ HAND TAPS

Made from premium quality high speed steel with ground threads, hardened and tempered for longest life in a variety of materials.

- ▷ Precision ground threads with eccentric relief for free cutting action
- ▷ Three and four flute designs
- ▷ Available in three chamfer lengths for through or blind hole tapping
- ▷ Special bronze SST surface treatment to improve life and tapping speed

### MACHINE SCREW AND FRACTIONAL SIZES

| Tap Size x Threads per inch | Drill Size | Taper    | Plug     | Bottoming | Std. Pkg. | Std. Ctn. |
|-----------------------------|------------|----------|----------|-----------|-----------|-----------|
| 4-40 NC                     | #43        | 03-A 041 | 03-A 042 | 03-A 043  | 3         | 30        |
| 5-40 NC                     | #38        | 03-A 051 | 03-A 052 | 03-A 053  | 3         | 30        |
| 6-32 NC                     | #36        | 03-A 061 | 03-A 062 | 03-A 063  | 3         | 30        |
| 8-32 NC                     | #29        | 03-A 081 | 03-A 082 | 03-A 083  | 3         | 30        |
| 10-24 NC                    | #25        | 03-A 101 | 03-A 102 | 03-A 103  | 3         | 30        |
| 10-32 NF                    | #21        | 03-A 104 | 03-A 105 | 03-A 106  | 3         | 30        |
| 12-24 NC                    | #16        | 03-A 121 | 03-A 122 | 03-A 123  | 3         | 30        |
| 1/4"-20 NC                  | #7         | 03-B 041 | 03-B 042 | 03-B 043  | 3         | 30        |
| 1/4"-28 NF                  | #3         | 03-B 044 | 03-B 045 | 03-B 046  | 3         | 30        |
| 5/16"-18 NC                 | F          | 03-B 051 | 03-B 052 | 03-B 053  | 3         | 30        |
| 5/16"-24 NF                 | 17/64"     | 03-B 054 | 03-B 055 | 03-B 056  | 3         | 30        |
| 3/8"-16 NC                  | 9/16"      | 03-B 061 | 03-B 062 | 03-B 063  | 3         | 30        |
| 3/8"-24 NF                  | 21/64"     | 03-B 064 | 03-B 065 | 03-B 066  | 3         | 30        |
| 7/16"-14 NC                 | U          | 03-B 071 | 03-B 072 | 03-B 073  | 3         | 30        |
| 7/16"-20 NF                 | 25/64"     | 03-B 074 | 03-B 075 | 03-B 076  | 3         | 30        |
| 1/2"-13 NC                  | 27/64"     | 03-B 081 | 03-B 082 | 03-B 083  | 3         | 30        |
| 1/2"-20 NF                  | 29/64"     | 03-B 084 | 03-B 085 | 03-B 086  | 3         | 30        |
| 9/16"-12 NC                 | 31/64"     | 03-B 091 | 03-B 092 | 03-B 093  | 1         | 10        |
| 9/16"-18 NF                 | 33/64"     | 03-B 094 | 03-B 095 | 03-B 096  | 1         | 10        |
| 5/8"-11 NC                  | 17/32"     | 03-B 101 | 03-B 102 | 03-B 103  | 1         | 10        |
| 5/8"-18 NF                  | 37/64"     | 03-B 104 | 03-B 105 | 03-B 106  | 1         | 10        |
| 3/4"-10 NC                  | 21/32"     | 03-B 121 | 03-B 122 | 03-B 123  | 1         | 10        |
| 3/4"-16 NF                  | 11/16"     | 03-B 124 | 03-B 125 | 03-B 126  | 1         | 10        |
| 7/8"-9 NC                   | 49/64"     | 03-B 141 | 03-B 142 | 03-B 143  | 1         | 10        |
| 7/8"-14 NF                  | 13/16"     | 03-B 144 | 03-B 145 | 03-B 146  | 1         | 10        |
| 1"-8 NC                     | 7/8"       | 03-B 161 | 03-B 162 | 03-B 163  | 1         | 10        |
| 1"-12 NF                    | 7/8"       | 03-B 164 | 03-B 165 | 03-B 166  | 1         | 10        |

Packaged in reusable plastic packaging.

### METRIC SIZES

| Tap Size x Pitch (mm) | Taper    | Std. Pkg. | Std. Ctn. |
|-----------------------|----------|-----------|-----------|
| 3.0 x .50             | 03-D 031 | 3         | 30        |
| 4.0 x .70             | 03-D 041 | 3         | 30        |
| 5.0 x .80             | 03-D 051 | 3         | 30        |
| 6.0 x 1.00            | 03-D 061 | 3         | 30        |
| 8.0 x 1.25            | 03-D 081 | 3         | 30        |
| 10.0 x 1.50           | 03-D 101 | 3         | 30        |
| 12.0 x 1.75           | 03-D 121 | 3         | 30        |

Packaged in reusable plastic packaging.

## TAPER PIPE TAPS (NPT)

Made from tough carbon alloy tool steel to cut new threads or repair damaged threads in pipe fittings. For use in steel and non-ferrous metals.



| Nominal Size Inch | Thread per inch | Drill Size | Order No. | Std. Pkg. | Std. Ctn. |
|-------------------|-----------------|------------|-----------|-----------|-----------|
| 1/16"             | 27              | D          | 02-C 010  | 1         | 10        |
| 1/8"              | 27              | 11/32"     | 02-C 020  | 1         | 10        |
| 1/4"              | 18              | 7/16"      | 02-C 040  | 1         | 10        |
| 3/8"              | 18              | 37/64"     | 02-C 060  | 1         | 10        |
| 1/2"              | 14              | 45/64"     | 02-C 080  | 1         | 10        |
| 3/4"              | 14              | 59/64"     | 02-C 120  | 1         | 10        |
| 1"                | 11 1/2          | 1 5/32"    | 02-C 160  | 1         | 10        |
| 1 1/4"            | 11 1/2          | 1 1/2"     | 02-C 200  | 1         | 10        |
| 1 1/2"            | 11 1/2          | 1 47/64"   | 02-C 240  | 1         | 10        |
| 2"                | 11 1/2          | 2 7/32"    | 02-C 320  | 1         | 10        |

Packaged in reusable plastic packaging.

## TAPER PIPE TAP SET

Contains one of each of the following NPT taps:  
 1/8": 02-C 020  
 1/4": 02-C 040  
 3/8": 02-C 060  
 1/2": 02-C 080  
 Order No. 02-C 500



### Tech tip!

For increased cutting efficiency and tool life, use TAPCUT lubricant

## TAP WRENCHES

Premium quality tool stock, all jaws and set screws are hardened and tempered for optimum tool life.

### ADJUSTABLE TAP WRENCHES

| No.   | Capacity     | Order No. | Std. Pkg. | Std. Ctn. |
|-------|--------------|-----------|-----------|-----------|
| 1     | 1/16" - 1/4" | 02-W 010  | 1         | 10        |
| 1 1/2 | 3/16" - 1/2" | 02-W 015  | 1         | 10        |
| 3     | 1/4" - 3/4"  | 02-W 030  | 1         | 10        |
| 4     | 3/8" - 1"    | 02-W 040  | 1         | 10        |

Packaged in reusable plastic packaging.

### T-HANDLE TAP WRENCH WITH 3-POSITION RATCHET

| No. | Capacity     | Order No. | Std. Pkg. | Std. Ctn. |
|-----|--------------|-----------|-----------|-----------|
| 1-T | 5/32 to 1/4" | 02-W 100  | 1         | 10        |
| 2-T | 1/4" to 1/2" | 02-W 200  | 1         | 10        |

Packaged in reusable plastic packaging.

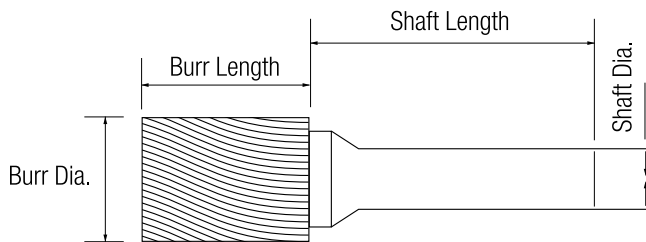




## CARBIDE BURRS

High performance

Walter carbide burrs are made from the highest grade tungsten carbide and are manufactured to ensure perfect concentricity and balance. This means you get a product that is safer, removes material faster and is guaranteed to provide the longest working life in the industry.
































## HIGH STRENGTH BRAZED JOINT GUARANTEED TO PREVENT BREAKAGE

- ▶ *Precise manufacturing – Burrs run perfectly true without vibration*
- ▶ *First grade tungsten carbide – For the toughest applications in a wide range of materials*
- ▶ *Exclusive tooth design – Guarantees maximum cutting performance*
- ▶ *Advanced flute geometry – Ensures maximum cutting capacity and chip evacuation from tip to bottom*

### 1/4" SHANK Ø, DOUBLE CUT



| Burr Dia. x Length   | USCTI Type | Std. Lgth. Order No. | 6" Shank Order No. | Std. Pkg. | Std. Ctn. |
|--|------------|----------------------|--------------------|-----------|-----------|
| <b>Cylindrical (SA)</b>  |            |                      |                    |           |           |
|  1/4" x 5/8"      | SA-1       | 01-V 001             | 01-V 601           | 1         | 10        |
|  5/16" x 3/4"     | SA-2       | 01-V 037             |                    | 1         | 10        |
|  3/8" x 3/4"      | SA-3       | 01-V 002             | 01-V 602           | 1         | 10        |
|  7/16" x 1"       | SA-4       | 01-V 038             |                    | 1         | 10        |
|  1/2" x 1"        | SA-5       | 01-V 004             | 01-V 604           | 1         | 10        |
|  5/8" x 1"        | SA-6       | 01-V 055             |                    | 1         | 10        |
| <b>Cylindrical (SB)</b>  |            |                      |                    |           |           |
|  1/4" x 5/8"      | SB-1       | 01-V 056             |                    | 1         | 10        |
|  3/8" x 3/4"      | SB-3       | 01-V 057             |                    | 1         | 10        |
|  1/2" x 1"        | SB-5       | 01-V 059             |                    | 1         | 10        |
| <b>Cylindrical round nose (SC)</b>   |            |                      |                    |           |           |
|  1/4" x 5/8"      | SC-1       | 01-V 005             | 01-V 605           | 1         | 10        |
|  5/16" x 3/4"    | SC-2       | 01-V 039             |                    | 1         | 10        |
|  3/8" x 3/4"    | SC-3       | 01-V 006             | 01-V 606           | 1         | 10        |
|  7/16" x 1"     | SC-4       | 01-V 040             |                    | 1         | 10        |
|  1/2" x 1"      | SC-5       | 01-V 007             | 01-V 607           | 1         | 10        |
|  5/8" x 1"      | SC-6       | 01-V 062             |                    | 1         | 10        |
|  3/4" x 1"      | SC-7       | 01-V 073             |                    | 1         | 10        |
| <b>Ball (SD)</b>   |            |                      |                    |           |           |
|  1/4" x 7/32"   | SD-1       | 01-V 009             | 01-V 609           | 1         | 10        |
|  3/8" x 5/16"   | SD-3       | 01-V 010             | 01-V 610           | 1         | 10        |
|  1/2" x 7/16"   | SD-5       | 01-V 026             | 01-V 626           | 1         | 10        |
|  5/8" x 9/16"   | SD-6       | 01-V 011             |                    | 1         | 10        |
| <b>Egg (SE)</b>  |            |                      |                    |           |           |
|  3/8" x 5/8"    | SE-3       | 01-V 027             |                    | 1         | 10        |
|  1/2" x 7/8"    | SE-5       | 01-V 028             |                    | 1         | 10        |
| <b>Tree (SF)</b>   |            |                      |                    |           |           |
|  1/4" x 5/8"    | SF-1       | 01-V 041             | 01-V 641           | 1         | 10        |
|  5/16" x 5/8"   | SF-2       | 01-V 042             |                    | 1         | 10        |
|  3/8" x 3/4"    | SF-3       | 01-V 014             | 01-V 614           | 1         | 10        |
|  7/16" x 1"     | SF-4       | 01-V 043             |                    | 1         | 10        |
|  1/2" x 1"      | SF-5       | 01-V 015             | 01-V 615           | 1         | 10        |
|  5/8" x 1"      | SF-6       | 01-V 066             |                    | 1         | 10        |
| <b>Tapered (SG)</b>  |            |                      |                    |           |           |
|  1/4" x 5/8"    | SG-1       | 01-V 044             | 01-V 644           | 1         | 10        |
|  5/16" x 3/4"   | SG-2       | 01-V 045             |                    | 1         | 10        |
|  3/8" x 3/4"    | SG-3       | 01-V 046             | 01-V 646           | 1         | 10        |
|  1/2" x 1"      | SG-5       | 01-V 013             | 01-V 613           | 1         | 10        |
| <b>Flame (SH)</b>  |            |                      |                    |           |           |
|  5/16" x 3/4"   | SH-3       | 01-V 029             |                    | 1         | 10        |
|  1/2" x 1 1/4"  | SH-5       | 01-V 030             |                    | 1         | 10        |
| <b>Cone 90° (SK)</b>   |            |                      |                    |           |           |
|  3/8" x 1/8"    | SK-3       | 01-V 067             |                    | 1         | 10        |
|  1/2" x 1/4"    | SK-5       | 01-V 068             |                    | 1         | 10        |
| <b>Cone (SL)</b>   |            |                      |                    |           |           |
|  1/4" x 5/8"    | SL-1 14°   | 01-V 017             |                    | 1         | 10        |
|  5/16" x 7/8"   | SL-2       | 01-V 051             |                    | 1         | 10        |
|  3/8" x 1 1/16" | SL-3 14°   | 01-V 031             | 01-V 631           | 1         | 10        |
|  1/2" x 1 1/8"  | SL-4 14°   | 01-V 032             |                    | 1         | 10        |
|  5/8" x 3/16"   | SL-5       | 01-V 052             | 01-V 652           | 1         | 10        |
| <b>Conical (SM)</b>  |            |                      |                    |           |           |
|  1/4" x 1/2"    | SM-1       | 01-V 047             |                    | 1         | 10        |
|  1/4" x 3/4"    | SM-2       | 01-V 048             |                    | 1         | 10        |
|  1/4" x 1"      | SM-3       | 01-V 049             |                    | 1         | 10        |
|  3/8" x 5/8"    | SM-4       | 01-V 050             |                    | 1         | 10        |
|  1/2" x 7/8"    | SM-5 28°   | 01-V 018             |                    | 1         | 10        |
| <b>Inverted cone (SN)</b>  |            |                      |                    |           |           |
|  1/4" x 1/2"    | SN-1       | 01-V 070             |                    | 1         | 10        |
|  1/4" x 3/4"    | SN-2       | 01-V 071             |                    | 1         | 10        |
|  1/4" x 1"      | SN-4       | 01-V 072             |                    | 1         | 10        |



## 1/4" SHANK Ø, NON-FERROUS, ALUMINUM AND SOFT METALS



| Burr Dia. x Length | USCTI Type | Order No. | Std. Pkg. | Std. Ctn. |
|--------------------|------------|-----------|-----------|-----------|
| 3/8" x 3/4"        | SA-3       | 01-V 003  | 1         | 10        |
| 1/2" x 1"          | SA-5       | 01-V 054  | 1         | 10        |
| 3/8" x 3/4"        | SB-3       | 01-V 058  | 1         | 10        |
| 1/4" x 5/8"        | SC-1       | 01-V 060  | 1         | 10        |
| 3/8" x 3/4"        | SC-3       | 01-V 061  | 1         | 10        |
| 1/2" x 1"          | SC-5       | 01-V 008  | 1         | 10        |
| 1/2" x 1/2"        | SD-5       | 01-V 063  | 1         | 10        |
| 1/2" x 7/8"        | SE-5       | 01-V 064  | 1         | 10        |
| 3/8" x 3/4"        | SF-3       | 01-V 065  | 1         | 10        |
| 1/2" x 1"          | SF-5       | 01-V 016  | 1         | 10        |
| 3/8" x 1 1/4"      | SL-3       | 01-V 036  | 1         | 10        |
| 1/2" x 1 1/8"      | SL-4       | 01-V 069  | 1         | 10        |



### CARBIDE BURR PRODUCTION KIT

Contains one of each of the following:  
01-V 002, 006, 011, 015 and 018

Order No. 01-V 990

## 1/4" SHANK Ø, HARD ALLOYS



| Burr Dia. x Length | USCTI Type | Order No. | Std. Pkg. | Std. Ctn. |
|--------------------|------------|-----------|-----------|-----------|
| 1/2" x 1"          | SC-5       | 01-V 033  | 1         | 10        |
| 1/2" x 1"          | SF-5       | 01-V 034  | 1         | 10        |
| 1/2" x 1 1/8"      | SL-4       | 01-V 035  | 1         | 10        |

### 5-PIECE ALU CUT CARBIDE BURR KIT

Order No. 01-V 995

## 1/8" SHANK Ø, DOUBLE CUT



| Burr Dia. x Length | USCTI Type | Order No. | Std. Pkg. | Std. Ctn. |
|--------------------|------------|-----------|-----------|-----------|
| 1/8" x 3/16"       | SA-43      | 01-V 020  | 1         | 10        |
| 1/8" x 1/8"        | SD-42      | 01-V 021  | 1         | 10        |
| 1/8" x 1/2"        | SF-42      | 01-V 022  | 1         | 10        |
| 1/8" x 1/2"        | SG-44      | 01-V 023  | 1         | 10        |
| 1/8" x 1/2"        | SL-42      | 01-V 024  | 1         | 10        |
| 1/8" x 7/16"       | SM-42 12°  | 01-V 025  | 1         | 10        |

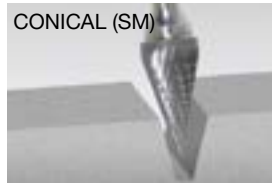
### 10-PIECE DOUBLE CUT CARBIDE BURR KIT

Order No. 01-V 996

| Burr diameter | Maximum cutting speed (RPM) |                   |
|---------------|-----------------------------|-------------------|
|               | for standard length burrs   | for 6" long burrs |
| 1/4"          | 70,000                      | 35,000            |
| 5/16"         | 68,000                      | 34,000            |
| 3/8"          | 66,000                      | 33,000            |
| 7/16"         | 58,000                      | 29,000            |
| 1/2"          | 50,000                      | 25,000            |
| 5/8"          | 40,000                      | 20,000            |

For safety reasons, never use the 6" tungsten carbide burrs below 20,000 RPM.

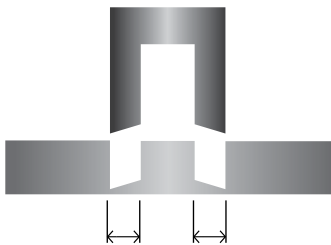
| Material     | Double cut |             | Material              | Non-ferrous |             |
|--------------|------------|-------------|-----------------------|-------------|-------------|
|              | Double cut | Non-ferrous |                       | Double cut  | Non-ferrous |
| Aluminum     | -          | x           | Steel - 45-55Rc       | x           | -           |
| Brass        | x          | x           | Steel - 55-60Rc       | x           | -           |
| Bronze       | x          | -           | Steel - Carbon        | x           | -           |
| Cast iron    | x          | -           | Steel - Nickel Chrome | x           | -           |
| Copper       | -          | x           | Steel - Stainless     | x           | -           |
| Carbon fiber | -          | x           | Steel - Weldments     | x           | -           |
| Fiberglass   | x          | -           | Titanium              | x           | -           |
| Hard rubber  | x          | -           | Zinc                  | -           | x           |
| Inconel      | x          | -           |                       |             |             |
| Magnesium    | -          | x           |                       |             |             |
| Plastics     | x          | -           |                       |             |             |



# HIGH PERFORMANCE ANNULAR CUTTERS

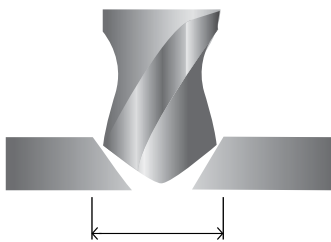
**When drilling large holes through thick, flat metal surfaces, it is often more cost effective to use an annular cutter, which cuts at the circumference of the circle, instead of cutting through the entire area of the circle. This allows you to make holes faster and more efficiently.**

Annular cutters



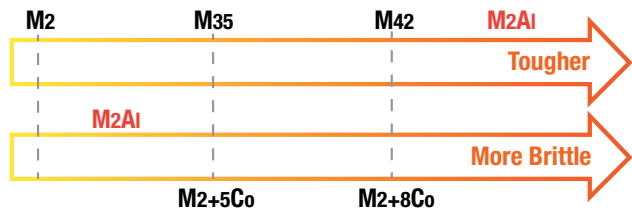
Less metal to metal contact reduces friction, reducing heat, increasing tool life and efficiency

Regular twist drills



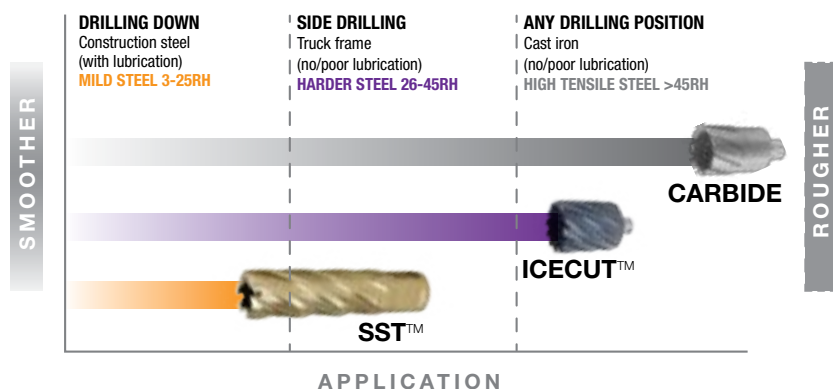
More metal to metal contact increases friction and heat, causing tooling to wear prematurely and resulting in longer cutting time

Walter annular cutters are tougher because they are made with a sophisticated high speed steel and aluminum blend (M2AI). This advanced HSS blend extends the life of the core cutters by providing excellent toughness and durability, while also reducing the brittleness of the cutter. Conventional cutting tools are typically enhanced with cobalt to increase the resistance to wear (M35 or M42). However, as more cobalt is added, the product actually becomes more brittle, which increases the risk of breakage under load. Through a graduated hardening of the cutter body, and by adding aluminum to the base material, Walter core cutters have more “micro-flexibility” than M35 or M42 core cutters. This makes Walter HSS annular cutters less brittle than a regular M42 annular cutter, and also makes them last much longer than other high speed steels. An exclusive triple tooth design and special fluting angle help optimize chip evacuation and eliminate chip debris. Walter’s exclusive AlCrN coating on the ICECUT™ line of coated annular cutters forms a nano-sized lubrication layer when heated, making it self-lubricating and preventing materials from sticking, melting or deforming during hole-making. The ICECUT™ annular cutters provide the longest life of all coated HSS annular cutters.



**Adding Cobalt makes cutters more resistant to wear, but also more brittle which makes them more susceptible to breakage under pressure. M2AI provides an ideal blend of extreme toughness without a kind of “micro-flexibility” not found in standard cobalt blends.**

# HIGH PERFORMANCE ANNULAR CUTTERS



## Recommended usage

|                                      | SST Core Cut                          | Icecut                                | Carbide Core Cut                      |
|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| <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 improve the life and cutting speed of annular cutters, we highly recommend that you use these Walter high performance cutting lubricants.



| Material worked on  | Description          | Order No.  | Size   | MSDS   |
|---------------------|----------------------|------------|--------|--------|
| Mild and hard steel | COOLCUT, solid stick | 53-B 013   | 300 g  | L-22E  |
| Mild and hard steel | ICECUT, liquid       | * 53-C 055 | 3.78 L | L-122E |
| Mild and hard steel | ICECUT, liquid       | * 53-C 057 | 20 L   | L-122E |
| Aluminum            | ALUCUT, solid stick  | 53-B 303   | 300 g  | L-04E  |
| All metals          | TAPCUT, bottle       | 53-A 103   | 350 ml | L-115E |
| All metals          | TAPCUT, liquid       | 53-A 105   | 3.78 L | L-115E |
| All metals          | TAPCUT, liquid       | 53-A 107   | 20 L   | L-115E |

\* ICECUT lubricants are biodegradable

# SST™ CORE CUT ANNULAR CUTTERS

Guaranteed to outperform all uncoated cutters

Super Speed Tip (SST) Core Cutters are made with state-of-the-art surface treatment technology that removes porosity during the fabrication process. This creates a perfectly smooth finish which allows for a better evacuation of material while drilling. It also helps to improve product life and reduce drilling time as it decreases friction with the work surface, which in turn reduces the amount of heat generated.



| Diameter           | Pqt  | Weldon Shank |                 |                 | Universal Shank |                 |                 |
|--------------------|------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                    |      | 1" cutters   | 2" cutters      | 3" cutters      | 1" cutters      | 2" cutters      |                 |
| Inches             | mm   | std          | Order No.       | Order No.       | Order No.       | Order No.       | Order No.       |
| Use with pilot pin |      |              | <b>05-Z 001</b> | <b>05-Z 002</b> | <b>05-Z 018</b> | <b>05-Z 029</b> | <b>05-Z 002</b> |
| 7/16"              | 11.1 | 1            |                 |                 |                 | 05-E 007        |                 |
|                    |      |              |                 |                 |                 | <b>05-Z 001</b> | <b>05-Z 001</b> |
| 1/2"               | 12.7 | 1            | 05-A 008        | 05-A 308        |                 | 05-E 008        | 05-E 308        |
| 9/16"              | 14.3 | 1            | 05-A 009        | 05-A 309        |                 | 05-E 009        | 05-E 309        |
| 5/8"               | 15.9 | 1            | 05-A 010        | 05-A 310        |                 | 05-E 010        | 05-E 310        |
| 11/16"             | 17.5 | 1            | 05-A 011        | 05-A 311        | 05-A 611        | 05-E 011        | 05-E 311        |
| 3/4"               | 19.0 | 1            | 05-A 012        | 05-A 312        |                 | 05-E 012        | 05-E 312        |
| 13/16"             | 20.6 | 1            | 05-A 013        | 05-A 313        | 05-A 613        | 05-E 013        | 05-E 313        |
| 7/8"               | 22.2 | 1            | 05-A 014        | 05-A 314        |                 | 05-E 014        | 05-E 314        |
| 15/16"             | 23.8 | 1            | 05-A 015        | 05-A 315        | 05-A 615        | 05-E 015        | 05-E 315        |
| 1"                 | 25.4 | 1            | 05-A 100        | 05-A 400        |                 | 05-E 100        | 05-E 400        |
| 1 1/16"            | 27.0 | 1            | 05-A 101        | 05-A 401        | 05-A 701        | 05-E 101        | 05-E 401        |
| 1 1/8"             | 28.6 | 1            | 05-A 102        | 05-A 402        |                 | 05-E 102        | 05-E 402        |
| 1 3/16"            | 30.2 | 1            | 05-A 103        | 05-A 403        |                 | 05-E 103        | 05-E 403        |
| 1 1/4"             | 31.8 | 1            | 05-A 104        | 05-A 404        |                 | 05-E 104        | 05-E 404        |
| 1 5/16"            | 33.3 | 1            | 05-A 105        | 05-A 405        |                 | 05-E 105        | 05-E 405        |
| 1 3/8"             | 34.9 | 1            | 05-A 106        | 05-A 406        |                 | 05-E 106        | 05-E 406        |
| 1 7/16"            | 36.5 | 1            | 05-A 107        | 05-A 407        |                 | 05-E 107        | 05-E 407        |
| 1 1/2"             | 38.1 | 1            | 05-A 108        | 05-A 408        |                 | 05-E 108        | 05-E 408        |
| 1 9/16"            | 39.7 | 1            | 05-A 109        | 05-A 409        |                 |                 | 05-E 409        |
| 1 5/8"             | 41.3 | 1            | 05-A 110        | 05-A 410        |                 |                 |                 |
| 1 3/4"             | 44.5 | 1            | 05-A 112        | 05-A 412        |                 |                 |                 |
| 1 13/16"           | 46.0 | 1            | 05-A 113        | 05-A 413        |                 |                 |                 |
| 1 7/8"             | 47.6 | 1            | 05-A 114        | 05-A 414        |                 |                 |                 |
| 1 15/16"           | 49.2 | 1            | 05-A 115        | 05-A 415        |                 |                 |                 |
| 2"                 | 51.0 | 1            | 05-A 200        | 05-A 500        |                 |                 |                 |
| 2 1/16"            | 52.4 | 1            | 05-A 201        | 05-A 501        |                 |                 |                 |
| 2 1/8"             | 54.0 | 1            | 05-A 202        | 05-A 502        |                 |                 |                 |
| 2 3/16"            | 55.6 | 1            | —               | 05-A 503        |                 |                 |                 |
| 2 1/4"             | 57.2 | 1            |                 | 05-A 504        |                 |                 |                 |
| 2 5/16"            | 58.7 | 1            |                 | 05-A 505        |                 |                 |                 |
| 2 3/8"             | 60.3 | 1            |                 | 05-A 506        |                 |                 |                 |

- ▷ Drills faster
- ▷ Lasts longer
- ▷ Universal shank
- ▷ Exclusive SST surface treatment
- ▷ Multiple tooth design



## SST CORE CUT KITS

- Special bronze SST surface treatment
- Weldon shank

**1" annular cutter kit**  
Order no. 05-A 991

**2" annular cutter kit**  
Order no. 05-A 992

Includes 1 of each diameter:  
9/16", 11/16", 13/16", 15/16", 1",  
1-1/16" and pilot pin

Packaged in reusable plastic packaging.

Other sizes are available upon special request. Please speak with your Walter sales representative.

# ICECUT™ ANNULAR CORE CUTTERS

Guaranteed to drill more holes in less time!

ICECUT annular cutters are coated with an exclusive mixture of chromium and aluminum (AlCrN) and are designed to be used where lubricants are not permitted or problematic to apply. This new technology outperforms any annular core cutters coated with Titanium (TiN) or Titanium-Aluminum (TiAlN). By incorporating a chromium aluminum blend into the coating, Walter ICECUT annular cutters generate less heat and can withstand temperatures at least 200°C higher than conventional TiAlN cutters. This exclusive coating makes the ICECUT more resistant to higher stress under load and impact.

- ▷ *Well known quality and durability*
- ▷ *Lasts longer than uncoated core cutters*
- ▷ *Exclusive ICECUT AlCrN coating*
- ▷ *Fully ground extra large flutes*



## ICECUT CORE CUT KITS

- Exclusive ICECUT™ surface coating
- Weldon shank

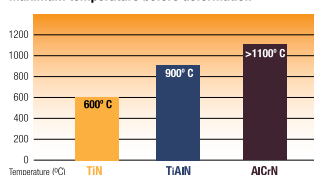
**1" annular cutter kit**  
Order no. 05-B 991

**2" annular cutter kit**  
Order no. 05-B 992

Includes 1 of each diameter:

9/16", 11/16", 13/16", 15/16", 1", 1-1/16" and pilot pin

Maximum temperature before deformation



| Diameter           |      | Std pkg | Weldon Shank         |                      |                      |                      | Universal Shank              |                              |
|--------------------|------|---------|----------------------|----------------------|----------------------|----------------------|------------------------------|------------------------------|
| Inches             | mm   |         | 1" cutters Order no. | 2" cutters Order no. | 3" cutters Order no. | 4" cutters Order no. | 1" cutters Order no.         | 2" cutters Order no.         |
| Use with pilot pin |      |         | 05-Z 001             | 05-Z 002             | 05-Z 018<br>05-Z 032 | 05-Z 031<br>05-Z 033 | 05-Z 001                     | 05-Z 002                     |
| 7/16"              | 11.1 | 1       |                      |                      |                      |                      | 05-F 007*                    | 05-F 307*                    |
|                    |      |         |                      |                      |                      |                      | *Use with pilot pin 05-Z 029 | *Use with pilot pin 05-Z 030 |
| 1/2"               | 12.7 | 1       | 05-B 008             | 05-B 308             |                      |                      | 05-F 008                     | 05-F 308                     |
| 9/16"              | 14.3 | 1       | 05-B 009             | 05-B 309             |                      |                      | 05-F 009                     | 05-F 309                     |
| 5/8"               | 15.9 | 1       | 05-B 010             | 05-B 310             |                      |                      | 05-F 010                     | 05-F 310                     |
| 11/16"             | 17.5 | 1       | 05-B 011             | 05-B 311             | 05-B 611             | 05-B 811             | 05-F 011                     | 05-F 311                     |
| 3/4"               | 19.0 | 1       | 05-B 012             | 05-B 312             |                      |                      | 05-F 012                     | 05-F 312                     |
| 13/16"             | 20.6 | 1       | 05-B 013             | 05-B 313             | 05-B 613             | 05-B 813             | 05-F 013                     | 05-F 313                     |
| 7/8"               | 22.2 | 1       | 05-B 014             | 05-B 314             |                      |                      | 05-F 014                     | 05-F 314                     |
| 15/16"             | 23.8 | 1       | 05-B 015             | 05-B 315             | 05-B 615             | 05-B 815             | 05-F 015                     | 05-F 315                     |
| 1"                 | 25.4 | 1       | 05-B 100             | 05-B 400             |                      |                      | 05-F 100                     | 05-F 400                     |
| 1 1/16"            | 27.0 | 1       | 05-B 101             | 05-B 401             | 05-B 701             | 05-B 901             | 05-F 101                     | 05-F 401                     |
| 1 1/8"             | 28.6 | 1       | 05-B 102             | 05-B 402             |                      |                      | 05-F 102                     | 05-F 402                     |
| 1 3/16"            | 30.2 | 1       | 05-B 103             | 05-B 403             |                      |                      | 05-F 103                     | 05-F 403                     |
| 1 1/4"             | 31.8 | 1       | 05-B 104             | 05-B 404             |                      |                      | 05-F 104                     | 05-F 404                     |
| 1 5/16"            | 33.3 | 1       | 05-B 105             | 05-B 405             |                      |                      | 05-F 105                     | 05-F 405                     |
| 1 3/8"             | 34.9 | 1       | 05-B 106             | 05-B 406             |                      |                      | 05-F 106                     | 05-F 406                     |
| 1 7/16"            | 36.5 | 1       | 05-B 107             | 05-B 407             |                      |                      | 05-F 107                     | 05-F 407                     |
| 1 1/2"             | 38.1 | 1       | 05-B 108             | 05-B 408             |                      |                      | 05-F 108                     | 05-F 408                     |
| 1 9/16"            | 39.7 | 1       | 05-B 109             | 05-B 409             |                      |                      |                              |                              |
| 1 5/8"             | 41.3 | 1       | 05-B 110             | 05-B 410             |                      |                      |                              |                              |
| 1 3/4"             | 44.5 | 1       | 05-B 112             | 05-B 412             |                      |                      |                              |                              |
| 1 13/16"           | 46.0 | 1       | 05-B 113             | 05-B 413             |                      |                      |                              |                              |
| 1 7/8"             | 47.6 | 1       | 05-B 114             | 05-B 414             |                      |                      |                              |                              |
| 1 15/16"           | 49.2 | 1       | 05-B 115             | 05-B 415             |                      |                      |                              |                              |
| 2"                 | 51.0 | 1       | 05-B 200             | 05-B 500             |                      |                      |                              |                              |
| 2 1/16"            | 52.4 | 1       | 05-B 201             | 05-B 501             |                      |                      |                              |                              |
| 2 1/8"             | 54.0 | 1       | 05-B 202             | 05-B 502             |                      |                      |                              |                              |
| 2 3/16"            | 55.6 | 1       |                      | 05-B 503             |                      |                      |                              |                              |
| 2 1/4"             | 57.2 | 1       |                      | 05-B 504             |                      |                      |                              |                              |
| 2 5/16"            | 58.7 | 1       |                      | 05-B 505             |                      |                      |                              |                              |
| 2 3/8"             | 60.3 | 1       |                      | 05-B 506             |                      |                      |                              |                              |

Packaged in reusable plastic packaging.

Other sizes are available upon special request. Please speak with your Walter sales representative.

# CARBIDE CORE CUT ANNULAR CUTTERS

Top performance and maximum productivity on hard metals and uneven surfaces!

Walter Carbide Core Cut annular cutters accurately drill large diameter holes in a variety of hard or abrasive materials such as stainless steel, cast iron, tough alloys or composite materials. They outperform and outlast conventional HSS cutters and allow for higher speed and feed rates while requiring less effort to cut through some of the industry's toughest metals.

| 3/4" Weldon Shank         |                          |                      |                      |                      | Universal Shank |                 |                 |                           |                      |                      |
|---------------------------|--------------------------|----------------------|----------------------|----------------------|-----------------|-----------------|-----------------|---------------------------|----------------------|----------------------|
| Dia. Inches               | 1 1/2" cutters Order No. | 2" cutters Order No. | 3" cutters Order No. | 4" cutters Order No. | Dia. mm         | 30 mm Order No. | 55 mm Order No. | Dia. Inches               | 1" cutters Order No. | 2" cutters Order No. |
| <b>Use with pilot pin</b> |                          |                      |                      |                      | <b>05-Z 019</b> |                 |                 | <b>05-Z 021</b>           |                      |                      |
| 1/2"                      | 05-D 008                 | 05-D 308             |                      |                      | 12 mm           | 05-F 112        | 05-F 212        | 1/2"                      | 05-H 008             | 05-H 308             |
| 9/16"                     | 05-D 009                 | 05-D 309             |                      |                      | 13 mm           | 05-F 113        | 05-F 213        | 9/16"                     | 05-H 009             | 05-H 309             |
| 5/8"                      | 05-D 010                 | 05-D 310             |                      |                      | 14 mm           | 05-F 114        | 05-F 214        | 5/8"                      | 05-H 010             | 05-H 310             |
| 11/16"                    | 05-D 011                 | 05-D 311             |                      |                      | 15 mm           | 05-F 115        | 05-F 215        | 11/16"                    | 05-H 011             | 05-H 311             |
|                           |                          |                      |                      |                      | 16 mm           | 05-F 116        | 05-F 216        | <b>Use with pilot pin</b> |                      |                      |
|                           |                          |                      |                      |                      | 17 mm           | 05-F 117        | 05-F 217        | <b>05-Z 028</b>           | <b>05-Z 022</b>      |                      |
| <b>Use with pilot pin</b> |                          |                      |                      |                      | <b>05-Z 020</b> |                 |                 | <b>05-Z 022</b>           |                      |                      |
| 3/4"                      | 05-D 012                 | 05-D 312             |                      | 05-D 812             | 18 mm           | 05-F 118        | 05-F 218        | 3/4"                      | 05-H 012             | 05-H 312             |
| 13/16"                    | 05-D 013                 | 05-D 313             | 05-D 613             | 05-D 813             | 19 mm           | 05-F 119        | 05-F 219        | 13/16"                    | 05-H 013             | 05-H 313             |
| 7/8"                      | 05-D 014                 | 05-D 314             |                      |                      | 20 mm           | 05-F 120        | 05-F 220        | 7/8"                      | 05-H 014             | 05-H 314             |
| 15/16"                    | 05-D 015                 | 05-D 315             | 05-D 615             | 05-D 815             | 21 mm           | 05-F 121        | 05-F 221        | 15/16"                    | 05-H 015             | 05-H 315             |
| 1"                        | 05-D 100                 | 05-D 400             | 05-D 700             | 05-D 900             | 22 mm           | 05-F 122        | 05-F 222        | 1"                        | 05-H 100             | 05-H 400             |
| 1 1/16"                   | 05-D 101                 | 05-D 401             | 05-D 701             | 05-D 901             | 23 mm           | 05-F 123        | 05-F 223        | 1 1/16"                   | 05-H 101             | 05-H 401             |
| 1 1/8"                    | 05-D 102                 | 05-D 402             |                      |                      | 24 mm           | 05-F 124        | 05-F 224        | 1 1/8"                    | 05-H 102             | 05-H 402             |
| 1 3/16"                   | 05-D 103                 | 05-D 403             |                      |                      | 25 mm           | 05-F 125        | 05-F 225        | 1 3/16"                   | 05-H 103             | 05-H 403             |
| 1 1/4"                    | 05-D 104                 | 05-D 404             |                      |                      | 26 mm           | 05-F 126        | 05-F 226        | 1 1/4"                    | 05-H 104             | 05-H 404             |
| 1 5/16"                   | 05-D 105                 | 05-D 405             |                      |                      | 27 mm           | 05-F 127        | 05-F 227        | 1 5/16"                   | 05-H 105             | 05-H 405             |
| 1 3/8"                    | 05-D 106                 | 05-D 406             |                      |                      | 28 mm           | 05-F 128        | 05-F 228        | 1 3/8"                    | 05-H 106             | 05-H 406             |
| 1 7/16"                   | 05-D 107                 | 05-D 407             |                      |                      | 29 mm           | 05-F 129        | 05-F 229        | 1 7/16"                   | 05-H 107             | 05-H 407             |
| 1 1/2"                    | 05-D 108                 | 05-D 408             |                      |                      | 30 mm           | 05-F 130        | 05-F 230        | 1 1/2"                    | 05-H 108             | 05-H 408             |
| 1 9/16"                   | 05-D 109                 | 05-D 409             |                      |                      | 31 mm           | 05-F 131        | 05-F 231        |                           |                      |                      |
| 1 5/8"                    | 05-D 110                 | 05-D 410             |                      |                      | 32 mm           | 05-F 132        | 05-F 232        |                           |                      |                      |
| 1 3/4"                    | 05-D 112                 | 05-D 412             |                      |                      | 33 mm           | 05-F 133        | 05-F 233        |                           |                      |                      |
| 1 13/16"                  | 05-D 113                 | 05-D 413             |                      |                      | 34 mm           | 05-F 134        | 05-F 234        |                           |                      |                      |
| 1 7/8"                    | 05-D 114                 | 05-D 414             |                      |                      | 35 mm           | 05-F 135        | 05-F 235        |                           |                      |                      |
| 1 15/16"                  | 05-D 115                 | 05-D 415             |                      |                      | 36 mm           | 05-F 136        | 05-F 236        |                           |                      |                      |
| 2"                        | 05-D 200                 | 05-D 500             | 05-D 716             | 05-D 916             | 37 mm           | 05-F 137        | 05-F 237        |                           |                      |                      |
| 2 1/16"                   | 05-D 201                 | 05-D 501             |                      |                      | 38 mm           | 05-F 138        | 05-F 238        |                           |                      |                      |
| 2 1/8"                    | 05-D 202                 | 05-D 502             |                      |                      | 39 mm           | 05-F 139        | 05-F 239        |                           |                      |                      |
| 2 3/16"                   |                          | 05-D 503             |                      |                      | 40 mm           | 05-F 140        | 05-F 240        |                           |                      |                      |
| 2 1/4"                    |                          | 05-D 504             | 05-D 720             | 05-D 920             | 41 mm           | 05-F 141        | 05-F 241        |                           |                      |                      |
| 2 5/16"                   |                          | 05-D 505             |                      |                      | 42 mm           | 05-F 142        | 05-F 242        |                           |                      |                      |
| 2 3/8"                    |                          | 05-D 506             |                      |                      | 43 mm           | 05-F 143        | 05-F 243        |                           |                      |                      |
|                           |                          |                      |                      |                      | 44 mm           | 05-F 144        | 05-F 244        |                           |                      |                      |
|                           |                          |                      |                      |                      | 45 mm           | 05-F 145        | 05-F 245        |                           |                      |                      |
|                           |                          |                      |                      |                      | 46 mm           | 05-F 146        | 05-F 246        |                           |                      |                      |
|                           |                          |                      |                      |                      | 47 mm           | 05-F 147        | 05-F 247        |                           |                      |                      |
|                           |                          |                      |                      |                      | 48 mm           | 05-F 148        | 05-F 248        |                           |                      |                      |
|                           |                          |                      |                      |                      | 49 mm           | 05-F 149        | 05-F 249        |                           |                      |                      |
|                           |                          |                      |                      |                      | 50 mm           | 05-F 150        | 05-F 250        |                           |                      |                      |
|                           |                          |                      |                      |                      | 51 mm           | 05-F 151        | 05-F 251        |                           |                      |                      |

| 1 1/4" Weldon Shank |          |          |          |
|---------------------|----------|----------|----------|
| Use with pilot pin  | 05-Z 034 | 05-Z 035 | 05-Z 036 |
| 2 7/16"             | 05-D 507 |          |          |
| 2 1/2"              | 05-D 508 | 05-D 724 | 05-D 924 |
| 2 9/16"             | 05-D 509 | 05-D 725 | 05-D 925 |
| 2 5/8"              | 05-D 510 |          |          |
| 2 3/4"              | 05-D 400 | 05-D 700 | 05-D 900 |
| 2 7/8"              | 05-D 401 | 05-D 701 | 05-D 901 |
| 3"                  | 05-D 102 | 05-D 402 |          |
| 3 1/4"              | 05-D 103 | 05-D 403 |          |
| 3 1/2"              | 05-D 104 | 05-D 404 |          |
| 3 3/4"              | 05-D 105 | 05-D 405 |          |
| 4"                  |          | 05-D 503 |          |



## CARBIDE CORE CUT KITS

- Highest quality TCT for premium performance
- Weldon shank

**1-3/8" annular cutter kit**  
Order no. 05-D 991

**2" annular cutter kit**  
Order no. 05-D 992

Includes 1 of each diameter:

9/16", 11/16", 13/16", 15/16", 1", 1-1/16" and pilot pin

Packaged in reusable plastic packaging. Standard packaging: 1

## PILOT PINS

Precisely position annular cutters over drilling spot and eject slug after drilling is completed. All Walter pilot pins are hardened and precision ground to provide the longest life in the industry.



| Cutter family                     | Diameter               | Max. drilling depth | Order No. | Std. Pkg. | Std. Ctn. |
|-----------------------------------|------------------------|---------------------|-----------|-----------|-----------|
| <b>For use with these cutters</b> |                        |                     |           |           |           |
| SST Core Cut and ICECUT           | 1/2" – 2 3/8" dia.     | 1"                  | 05-Z 001  | 1         | 10        |
| SST Core Cut and ICECUT           | 1/2" – 2 3/8" dia.     | 2"                  | 05-Z 002  | 1         | 10        |
| SST Core Cut and ICECUT           | 1 3/16" – 1 1/16" dia. | 3"                  | 05-Z 018  | 1         | 10        |
| SST Core Cut and ICECUT           | 1 1/16" – 2" dia.      | 4"                  | 05-Z 031  | 1         | 10        |
| SST Core Cut and ICECUT           | 7/16" dia.             | 1"                  | 05-Z 029  | 1         | 10        |
| SST Core Cut and ICECUT           | 7/16" dia.             | 2"                  | 05-Z 030  | 1         | 10        |
| 2-piece, SST and ICECUT           | 1 1/16" – 2" dia.      | 3"                  | 05-Z 032  | 1         | 10        |
| 2-piece, SST and ICECUT           | 1 1/16" – 2" dia.      | 4"                  | 05-Z 033  | 1         | 10        |

| <b>For use with these cutters</b> |                        |        |          |   |    |
|-----------------------------------|------------------------|--------|----------|---|----|
| CARBIDE core cutters              | 1/2" – 1 1/16" dia.    | 1"     | 05-Z 027 | 1 | 10 |
|                                   | 1/2" – 1 1/16" dia.    | 1 1/2" | 05-Z 019 | 1 | 10 |
|                                   | 1/2" – 1 1/16" dia.    | 2"     | 05-Z 021 | 1 | 10 |
|                                   | 3/4" – 1 1/2" dia.     | 1"     | 05-Z 028 | 1 | 10 |
|                                   | 3/4" – 2 3/8" dia.     | 1 1/2" | 05-Z 020 | 1 | 10 |
|                                   | 3/4" – 2 3/8" dia.     | 2"     | 05-Z 022 | 1 | 10 |
|                                   | 2 7/16" – 4" dia.      | 2"     | 05-Z 034 | 1 | 10 |
|                                   | 1 3/16" – 1 1/16" dia. | 3"     | 05-Z 018 | 1 | 10 |
|                                   | 2 7/16" – 4" dia.      | 3"     | 05-Z 035 | 1 | 10 |
|                                   | 2 7/16" – 4" dia.      | 4"     | 05-Z 036 | 1 | 10 |



### Morse taper shank adaptors with coolant inducer

For use of Walter annular cutters on drilling units with a Morse taper spindle. Coolant inducer feeds coolant through the pilot pin to increase cutter life.

| Morse taper                   | Order No. | Std. Pkg. | Std. Ctn. |
|-------------------------------|-----------|-----------|-----------|
| No. 2                         | 05-Z 012  | 1         | 10        |
| No. 3                         | 05-Z 013  | 1         | 10        |
| No. 3<br>(with 1 1/4" Weldon) | 05-Z 037  | 1         | 10        |
|                               | 05-Z 038  | 1         | 10        |



### Morse taper shank adaptors without coolant inducer

For use of Walter annular cutters on drilling units with a Morse taper spindle. Ideal for all drilling machines that are equipped with an external cooling source.

| Morse taper | Order No. | Std. Pkg. | Std. Ctn. |
|-------------|-----------|-----------|-----------|
| No. 2       | 05-Z 010  | 1         | 10        |
| No. 3       | 05-Z 011  | 1         | 10        |



### Fein and Nitto adaptors

For use of Walter annular cutters on all Fein and Nitto magnetic drills.

| Drilling Unit | Order No. | Std. Pkg. | Std. Ctn. |
|---------------|-----------|-----------|-----------|
| Fein          | 05-Z 014  | 1         | 10        |
| Nitto         | 05-Z 015  | 1         | 10        |



### Extension adaptors

Leverage an arbor adaptor with your Walter core cutters to drill deeper holes. These durable arbor adaptors allow you to drill up to 4" for a fraction of the price of a full size core cutter.

| Extension Length | Description | Order No. | Std. Pkg. | Std. Ctn. |
|------------------|-------------|-----------|-----------|-----------|
| 1"               | Adaptor     | 05-Z 023  | 1         | 10        |
|                  | Pilot pin   | 05-Z 025  | 1         | 10        |
| 2"               | Adaptor     | 05-Z 024  | 1         | 10        |
|                  | Pilot pin   | 05-Z 026  | 1         | 10        |

# ICECUT™

LIGHT  
POWERFUL  
SAFE

*The ultimate  
core cutting  
system*





## FEATURES

## ALL ICECUT™ MAGNETIC DRILLING UNITS

**1 CENTERED CONTROL PANEL**

Centered positioning of the electronics for easy control from any position. Whether it's a personal preference, or if the operation requires drilling from a specific side, the central control panel allows for efficient and easy operation.

**2 MANDREL SUPPORT**

Absorbs vibration for added stability and easy centering. The ball bearing support ensures the motor and chuck are perfectly aligned. It also provides smooth and precise cutting operations, and reduces chipping or breakage of the cutter.

**3 FULL BODY INTEGRATED WIRING**

For convenience and improved durability. No electrical wires will get in the way while drilling or moving your unit. Moreover, this prevents common failures due to mishandling (like carrying the unit by the wire, or the wire catching on an object).

**4 STEEL SLIDING GUARD**

Easily accessible, and extra safe. Slide guard upwards, position unit, slide guard down and start drilling safely while containing chips and lubricant to prevent them from spilling out onto the rest of the work surface.

**LIGHTWEIGHT**

At 10 kg (22 lbs.) and 12.2 kg (27 lbs.) respectively, the ICECUT 100 and ICECUT 200 are the lightweight champions in their category. With a slim body, simplified carrying handle and powerful magnet, these units were designed with portability and ergonomics in mind.

**SWIVEL BASE**

As a feature for the ICECUT 300 and ICECUT 400, it allows to swivel the magnetic drill by 60° on each side, and also slide by 3" for a perfect and easy alignment.

**5 DIRECT ACCESS**

Direct access to carbon brushes makes maintenance simple. The powerful motor will always operate at maximum efficiency, and when it is time to change out the carbon brushes, their easily accessible location makes maintenance very convenient!

**6 ERGONOMIC HANDLE**

The ergonomic handle with a smooth grip – sturdy and lightweight – makes moving the unit easy. Its design further reduces overall weight, and the smooth grip ensures easy portability.

**7 QUICK RELEASE REVERSIBLE HANDLE**

Quick release reversible handle – allows for positioning in confined or restricted spaces. The handle can be removed and reattached on whichever side the operator prefers, making this a very user friendly system.

**8 MATERIAL & THICKNESS DETECTOR**

Unit will not start when the magnetic holding power is insufficient to secure the unit to the workpiece and operate safely. Prevents accidental starts: unit will not start on any non-ferrous material like wood, plastic, or when held in the air.

**9 MECHANICAL CLUTCH**

The ICECUT 200 has a safety slip clutch, built into the gear drive, that will neutralize momentum and eliminate dangerous backlash for added safety. Prevents cutter breakage.

**EQUIPPED WITH SAFETY STRAP**

For added security when hung upside down or for frame drilling operations.

# ICECUT MINI™

**NEW**

## Features

Measuring in at only 7-inches tall, the ICECUT MINI™ is the ultimate compact, low-profile magnetic drilling unit for making holes in tight spaces from H-beams to truck frames, and other applications where space may be limited. This unit has a powerful electromagnet for safety while drilling and **has a 2" x 2" drilling capacity**, making it the most versatile unit in its class.



**2" x 2" drilling capacity! The largest on the market!**



**Lightweight unit electromagnet**  
For safety and functionality

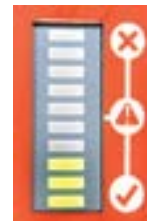
**Low profile and compact body**  
allows for making holes in extremely tight spaces (7" tall)

**DYNAMAX™ speed control**

Ensures RPM speeds remain constant even under load

### Features

- ▷ Lightweight unit
- ▷ Electromagnet for safety and functionality
- ▷ Low profile and compact body allows for making holes in extremely tight spaces (7" tall)
- ▷ Walter's DYNAMAX™ speed control ensures RPM speeds remain constant even under load
- ▷ ACCUDRILL™ system protects unit from overload and the risk of cutter breakage
- ▷ **2" x 2" drilling capacity!**—Largest on the market!



"ACCUDRILL" system protects against overload and reduces the risk of cutter breakage. When you want to achieve the most productive drilling operation, you need to make sure you use the most power. This prevents the motor from overloading to reduce damage to the tool itself while also minimizing the risk of eventual damage to the cutter from overheating or movement.

**YouTube**

Video available at The Walter Network  
[www.youtube.com/user/TheWalterNetwork](http://www.youtube.com/user/TheWalterNetwork)

## ICECUT MINI™

Low profile magnetic drilling unit for confined spaces

The ultimate compact, low-profile magnetic drilling unit for making holes in tight spaces from H-beams to truck frames, and other applications where space may be limited.



### TECHNICAL DATA

| Order No.                            | 39-D 050                              |
|--------------------------------------|---------------------------------------|
| Watts                                | 1200                                  |
| Rated Amperage                       | 10.0 A                                |
| Speeds                               | 1-speed variable                      |
| DYNAMAX speed control                | YES                                   |
| No load RPM                          | 250-500 RPM                           |
| Rated current                        | 110-120V                              |
| Total Stroke                         | <b>61 mm (2-3/8")</b>                 |
| Core cutter capacity (diameter)      | 2" (50 mm)                            |
| Core cutter capacity (depth)         | 2" (50 mm)                            |
| Twist drill capacity (diameter)      | N/A                                   |
| Weight                               | 10.5 kg                               |
| Swivel and sliding magnet            | NO                                    |
| Magnetic holding force (at 1")       | 10,000N                               |
| Max drill point pressure             | 2248 lbs (1020 kg)                    |
| Reversible handle                    | YES, tool-free ratchet handle         |
| Powerguard motor overload protection | YES                                   |
| Short-Circuit protection             | YES                                   |
| ACCUDRILL LED Torque display         | YES, Integrated Ampmeter (both sides) |
| Magnetic field sensor                | NO                                    |
| Guard                                | YES, pivoting                         |
| Wiring                               | Internal                              |
| Lubrication                          | Not integrated                        |
| Control board                        | Rear, S/S switches with LEDs          |
| Arbor                                | 3/4" Weldon arbor fixed               |
| Maintenance                          | Easy access to carbon brushes         |

# ICECUT 100™ AND ICECUT 200™ Features

When you pair the best drilling machines with highly engineered annular cutters and superior cooling solutions, you know you have the best overall system for consistently drilling holes quickly and precisely with minimal interruption for changing out worn tooling.

## DRILLING MADE EASY AND SAFE



*“ACCUDRILL” system protects against overload and reduces the risk of cutter breakage. When you want to achieve the most productive drilling operation, you need to make sure you use the most power. This prevents the motor from overloading to reduce damage to the tool itself while also minimizing the risk of eventual damage to the cutter from overheating or movement.*



**YouTube**  
Video available at The Walter Network  
[www.youtube.com/user/TheWalterNetwork](http://www.youtube.com/user/TheWalterNetwork)

## ICECUT 100™

Compact and portable

Compact – extra lightweight – perfect when mobility is key.



## ICECUT 200™

The versatile unit

Powerful – 2-speed – yet only 27 lbs – ideal for a wide range of production or job site operations.



### TECHNICAL DATA

| Order No.                                 | 39-D 100                         | 39-D 200                              |
|---|----------------------------------|---------------------------------------|
| Watts                                     | 850 W                            | 1200 W                                |
| Speed                                     | 1 speed                          | 2 speeds                              |
| No load RPM                               | 600 RPM                          | Speed #1: 300 RPM / Speed #2: 600 RPM |
| Rated Current                             | 8A                               | 10A                                   |
| Core cutter capacity (diameter)           | 1 3/4" (35 mm)                   | 2" (52 mm)                            |
| Core cutter capacity (depth)              | 1 1/2" (38 mm)                   | 2" (52 mm)                            |
| Twist drill capacity (diameter)           | 1/2" (stub length only)          | 1/2"                                  |
| Tapping function                          | None                             | None                                  |
| Weight                                    | 22 lbs (10 kg)                   | 27 lbs (12.2 kg)                      |
| Swivel and sliding magnet                 | None                             | None                                  |
| Max drill point pressure                  | 1875 lbs (850 kg)                | 1875 lbs (850 kg)                     |
| Reversible handle                         | Tool free press-button           | Tool free press-button                |
| Powerguard electronic overload protection | Overload at 15A                  | Overload at 15A                       |
| Motor overload protection                 | None                             | Mechanical clutch                     |
| Short-Circuit protection                  | Integrated fuse                  | Integrated fuse                       |
| Accudrill LED torque display              | Integrated Ampmeter              | Integrated Ampmeter                   |
| Magnetic field sensor                     | Material and thickness detector  | Material and thickness detector       |
| Tool free guard                           | Metal, sliding up                | Metal, sliding up                     |
| Wiring                                    | Internal                         | Internal                              |
| Lubrication                               | On motor head                    | On motor head                         |
| Control board                             | Centered, s/s switches with LEDS | Centered, s/s switches with LEDS      |
| Handle                                    | Open on main housing             | Open with anti-slip support           |
| Arbor                                     | WELDON shank with support        | WELDON shank with support             |
| Maintenance                               | Easy access to carbon brushes    | Easy access to carbon brushes         |
| Total Stroke                              | 2.6"                             | 2.9"                                  |

# ICECUT 250™ AND ICECUT 250P™

## Features

Get all the power and versatility from the ICECUT magnetic drilling systems, now available in a more compact size for easy portability. Use the ICECUT 250™ for ultimate versatility when drilling or tapping larger holes. The ICECUT 250P™ is the unit of choice for working on curved surfaces or pipes thanks to a convenient permanent magnet.



**Variable Dialspeed**  
Electronic speed control for an optimized drilling operation ensuring a constant speed under load.

**Reversible speed**  
Enables tapping operations.

**Weighs only 35 pounds!**

**Taper Morse #2 with 1/4" Weldon shank**  
For easy mounting.

**Powerful electromagnet**



“ACCUDRILL” system protects against overload and reduces the risk of cutter breakage. When you want to achieve the most productive drilling operation, you need to make sure you use the most power. This prevents the motor from overloading to reduce damage to the tool itself while also minimizing the risk of eventual damage to the cutter from overheating or movement.



**Variable Dialspeed**  
Electronic speed control for an optimized drilling operation ensuring a constant speed under load.

**Reversible speed**  
Enables tapping operations.

**Two pivoting electromagnetic and standard magnets**  
For curved surface drilling capability.



Video available at The Walter Network  
[www.youtube.com/user/TheWalterNetwork](http://www.youtube.com/user/TheWalterNetwork)

## ICECUT 250™

Lightweight, powerful with variable speed

The powerful, intuitive and lightweight ICECUT 250™ is a truly versatile machine, especially for its size.

### Tech tip!

Use carbide core cutter 05-D 518 with included morse Tape Shank no. 2 to drill to 2-1/2" large holes.

3/4" Weldon shank  
Diameter: 2-1/2"  
Length: 1-1/2"



## ICECUT 250P™

Drill faster and easier on pipe-related jobs

The double magnet ICECUT 250P™ sets up fast for pipe applications and is curved surface-ready.



## TECHNICAL DATA

| Order No.                                 | 39-D 250                                    | 39-D 251                                    |
|---|---|---|
| Watts                                     | 1550  | 1500  |
| Speed                                     | 2-speeds + Reversible                       | 2-speeds + Reversible                       |
| Dynamax variable speed control            | YES   | YES   |
| No load RPM                               | 100-500 RPM                                 | 100-500 RPM                                 |
| Rated Current                             | 15 amps                                     | 15 amps                                     |
| Core cutter capacity (diameter)           | 2 1/2"                                      | 2 1/2"                                      |
| Core cutter capacity (depth)              | 3" (w/ 2-piece pilot pin)                   | 3" (w/ 2-piece pilot pin)                   |
| Twist drill capacity (diameter)           | 1/2"  | 1/2"  |
| Tapping function                          | YES, up to 3/4" - 16                        | YES, up to 3/4" - 16                        |
| Weight                                    | 34.1 lbs                                    | 39.6 lbs                                    |
| Swivel and sliding magnet                 | NO  | NO  |
| Max drill point pressure                  | 3035 lbs (1376 kg)                          | 3035 lbs (1376 kg)                          |
| Reversible handle                         | YES, TOOL-FREE press button                 | YES, TOOL-FREE press button                 |
| Powerguard motor overload protection      | 20A   | 20A   |
| Powerguard electronic overload protection | 27A   | 27A   |
| Short-Circuit protection                  | YES, Integrated Fuse                        | YES, Integrated Fuse                        |
| Accudrill LED torque display              | YES, Intergrated Ampmeter                   | YES, Intergrated Ampmeter                   |
| Magnetic field sensor                     | Material & thickness detector               | NO (Permanent Magnet)                       |
| Tool free guard                           | Metal, sliding                              | Metal, sliding                              |
| Wiring                                    | Internal                                    | Internal                                    |
| Lubrication                               | Internal thru feed, on motor head           | Internal thru feed, on motor head           |
| Control board                             | Centered, S/S switches with LEDs            | Centered, S/S switches with LEDs            |
| Handle                                    | 1 reversible on main housing, 1 pistol grip | 1 reversible on main housing, 1 pistol grip |
| Arbor                                     | Morse Taper 2 shank; 3/4" Weldon            | Morse Taper 2 shank; 3/4" Weldon            |
| Maintenance                               | Easy access to carbon brushes               | Easy access to carbon brushes               |
| Total Stroke                              | 5.5"  | 5.5"  |

# ICECUT 300™ AND ICECUT 400™ Features

Now you can get all the benefits of using an ICECUT magnetic drilling machine while using annular cutters up to 4" wide and a depth of up to 4". To make the drilling operation even safer and easier, each machine features a swivel base for easy positioning of the tool along with our top-of-the-line safety features such as DIALSPEED™, POWERGUARD™ and DYNAMAX™.

**Drill more, bigger, faster and safer!**





## ICECUT 300™

For deeper, wider holes

With a swivel base and electronic speed control, allows you to drill safer and faster.



## ICECUT 400™

The most powerful and most versatile unit

With 4 mechanically-controlled speeds and a wider RPM range, this powerful tool can tackle any drilling operation with ease.



### TECHNICAL DATA

| Order No.                                 | 39-D 300                                     | 39-D 400   |
|---|--|--|
| Watts                                     | 1800 W                                       | 2000 W   |
| Speed                                     | 2-speeds + reversible                        | 4-speeds + reversible  |
| Dynamax variable speed control            | Yes  | Yes  |
| No load RPM                               | Speed #1: 70-180 RPM / Speed #2: 200-500 RPM | Speed #1: 45-129 RPM / Speed #2: 70-208 RPM<br>Speed #3: 150-434 RPM / Speed #4: 240-700 RPM |
| Rated Current                             | 18A  | 20A  |
| Core cutter capacity (diameter)           | 3" (75 mm)                                   | 4" (100 mm)  |
| Core cutter capacity (depth)              | 3" (75 mm)                                   | 4" (100 mm)  |
| Twist drill capacity (diameter)           | 1 1/4" (31.75 mm)                            | 1 1/4" (31.75 mm)  |
| Tapping function                          | Yes (1 1/8")                                 | Yes (1 1/8")   |
| Weight                                    | 52 lbs (23.5 kg)                             | 54.5 lbs (24.8 kg)   |
| Swivel and sliding magnet                 | Swivel 120°, sliding 2"                      | Swivel 120°, sliding 2"  |
| Max drill point pressure                  | 4160 lbs (1890 kg)                           | 4950 lbs (2240 kg)   |
| Reversible handle                         | Tool free press-button                       | Tool free press-button   |
| Powerguard motor overload protection      | Overload at 22A                              | Overload at 24A  |
| Powerguard electronic overload protection | Overload at 25A                              | Overload at 27A  |
| Short-Circuit protection                  | Integrated fuse                              | Integrated fuse  |
| Accudrill LED torque display              | Integrated Ampmeter                          | Integrated Ampmeter  |
| Magnetic field sensor                     | Material and thickness detector              | Material and thickness detector  |
| Tool free guard                           | Metal, sliding up                            | Metal, sliding up  |
| Wiring                                    | Internal                                     | Internal   |
| Lubrication                               | On motor head                                | On motor head  |
| Control board                             | Centered, s/s switches with LEDs             | Centered, s/s switches with LEDs   |
| Handle                                    | 1 on main housing, 1 rear handle             | 1 on main housing, 1 rear handle   |
| Arbor                                     | WELDON taper morse #3                        | WELDON taper morse #3  |
| Maintenance                               | Easy access to carbon brushes                | Easy access to carbon brushes  |
| Total Stroke                              | 9.4"   | 10.2"  |

# ICECUT SYSTEMS

ICECUT MINI™ - ICECUT 100™ - ICECUT 200™ - ICECUT 250™  
 ICECUT 250P™ - ICECUT 300™ - ICECUT 400™



Includes a 1/2" chuck adaptor for drilling smaller holes



For larger holes, 1/2" and above, use the magnetic base with the standard Weldon shank



**COMES IN A FOAM PADDED CASE FOR SUPERIOR PROTECTION**

| ICECUT 300 (39D300)    | RPM     |         |         |         |
|------------------------|---------|---------|---------|---------|
|                        | SPEED 1 | SPEED 2 | SPEED 3 | SPEED 4 |
| DIALSPEED™ RPM Setting | ↓       | ↑       |         |         |
| 1                      | 70      | 200     | x       | x       |
| 2                      | 92      | 260     | x       | x       |
| 3                      | 114     | 320     | x       | x       |
| 4                      | 136     | 380     | x       | x       |
| 5                      | 158     | 440     | x       | x       |
| 6                      | 180     | 500     | x       | x       |

| ICECUT 400 (39D400)                 | RPM     |         |         |         |
|-------------------------------------|---------|---------|---------|---------|
|                                     | SPEED 1 | SPEED 2 | SPEED 3 | SPEED 4 |
| DIALSPEED™ RPM Setting (Left/Right) | ↓/↑     | ↓/↓     | ↑/↑     | ↑/↓     |
| 1                                   | 45      | 70      | 150     | 240     |
| 2                                   | 62      | 98      | 207     | 332     |
| 3                                   | 79      | 126     | 264     | 424     |
| 4                                   | 96      | 154     | 321     | 516     |
| 5                                   | 113     | 181     | 378     | 608     |
| 6                                   | 129     | 208     | 434     | 700     |

| Model       | Order No. | No load RPM  | Motor      | Amps | Twist drill capacity (diameter) | Annular cutter | Max. drilling depth | Magnet strength | Weight   |
|-------------|-----------|--|------------|------|---------------------------------|----------------|---------------------|-----------------|----------|
| ICECUT MINI | 39-D 050  | 250-500 RPM  | 120V .A.C. | 10A  | N/A                             | 2"             | 2"                  | 2248 lbs        | 23.1 lbs |
| ICECUT 100  | 39-D 100  | 600 RPM  | 120V .A.C. | 8A   | 1/2" (stub length only)         | 1 3/8"         | 1 1/2"              | 1875 lbs        | 22 lbs   |
| ICECUT 200  | 39-D 200  | Speed #1: 300 RPM<br>Speed #2: 600 RPM   | 120V .A.C. | 10A  | 1/2"                            | 2"             | 2"                  | 1875 lbs        | 27 lbs   |
| ICECUT 250  | 39-D 250  | Speed #1: 100-265 RPM<br>Speed #2: 200-500 RPM   | 120V .A.C. | 15A  | 1/2"                            | 2 3/8"         | 3"                  | 3035 lbs        | 34.1 lbs |
| ICECUT 250P | 39-D 251  | Speed #1: 100-265 RPM<br>Speed #2: 200-500 RPM   | 120V .A.C. | 15A  | 1/2"                            | 2 3/8"         | 3"                  | 3035 lbs        | 39.6 lbs |
| ICECUT 300  | 39-D 300  | Speed #1: 70-180 RPM<br>Speed #2: 200-500 RPM  | 120V .A.C. | 18A  | 1 1/4"                          | 3"             | 3"                  | 4160 lbs        | 52 lbs   |
| ICECUT 400  | 39-D 400  | Speed #1: 45-129 RPM<br>Speed #2: 70-208 RPM<br>Speed #3: 150-434 RPM<br>Speed #4: 240-700 RPM | 120V .A.C. | 20A  | 1 1/4"                          | 4"             | 4"                  | 4950 lbs        | 54.5 lbs |

**STANDARD EQUIPMENT FOR ICECUT 100 AND 200:** Carrying case 48-H 423 (ICECUT 100), 48-H 422 (ICECUT 200), lubrication system (48-H 310), 1/2" keyed chuck (39-D 006), Chuck adaptor (39-D 005), M6 T-handle hexagonal key (48-Z 004), Allen key (48-Z 003), safety strap (48-H 329), safety glasses (48-H 424), reversible press button (48-H 324), triple handle (48-H 323), chuck key (39-D 009).

**STANDARD EQUIPMENT FOR ICECUT 300 AND 400:** Carrying case, chuck, arbor assembly, safety glasses, arbor shank, drift punch, safety belt, 3 mm hexagonal, spanner, stationary ring, spare carbon brushes, coolant bottle assembly.

## Straight Drill 716-B – 5/8"

End handle drill with a heavy-duty 120V motor and 2-speed gear box. Use low speed to drill large holes with extra torque and high speed to drill small holes. The reversing feature makes this drill also suitable for tapping applications.



| Model | Order No. | Speed under load | Motor     | Capacities - Steel |      | Twist drill | Hole saw | Weight |
|-------|-----------|------------------|-----------|--------------------|------|-------------|----------|--------|
|       |           |                  |           | Max. torque        | Amps |             |          |        |
| 716-B | 38-A 716  | 0-430/760 rev.   | 120V A.C. | 30/17 Nm           | 9.2  | 5/8"        | 3"       | 9 lbs  |

**STANDARD EQUIPMENT:** 5/8" capacity keyed chuck 22-A 072, chuck key 22-A 202, side handle (model 716) 48-E 063 and 9 ft. cord.

## Decimals and metric equivalents of drill sizes

| Drill size | Dec. equiv. | mm   | Drill size | Dec. equiv. | mm   | Drill size | Dec. equiv. | mm    | Drill size | Dec. equiv. | mm    |
|------------|-------------|------|------------|-------------|------|------------|-------------|-------|------------|-------------|-------|
| 1/64"      | .0156       | 0.40 | —          | .1142       | 2.90 | 5          | .2055       | 5.22  | 41/64"     | .6406       | 16.27 |
| 1/32"      | .0313       | 0.80 | 32         | .1160       | 2.95 | 4          | .2090       | 5.31  | 21/32"     | .6562       | 16.67 |
| 60         | .0400       | 1.02 | 31         | .1200       | 3.05 | 3          | .2130       | 5.41  | 43/64"     | .6719       | 17.07 |
| 59         | .0410       | 1.04 | 1/8"       | .1250       | 3.18 | 7/32"      | .2188       | 5.56  | 11/16"     | .6875       | 17.46 |
| 58         | .0420       | 1.07 | 30         | .1285       | 3.26 | 2          | .2210       | 5.61  | 45/64"     | .7031       | 17.86 |
| 57         | .0430       | 1.09 | —          | .1299       | 3.30 | 1          | .2280       | 5.79  | 23/32"     | .7188       | 18.26 |
| 56         | .0465       | 1.18 | 29         | .1360       | 3.45 | 15/64"     | .2344       | 5.95  | 47/64"     | .7344       | 18.65 |
| 3/64"      | .0469       | 1.19 | 28         | .1405       | 3.57 | 1/4"       | .2500       | 6.35  | 3/4"       | .7500       | 19.05 |
| 55         | .0520       | 1.32 | 9/64"      | .1406       | 3.58 | F          | .2570       | 6.53  | 49/64"     | .7656       | 19.45 |
| 54         | .0550       | 1.40 | 27         | .1440       | 3.66 | —          | .2638       | 6.70  | 25/32"     | .7812       | 19.84 |
| 53         | .0595       | 1.51 | 26         | .1470       | 3.73 | 17/64"     | .2656       | 6.75  | 13/16"     | .8125       | 20.64 |
| 1/16"      | .0625       | 1.59 | 25         | .1495       | 3.80 | 9/32"      | .2812       | 7.15  | 27/32"     | .8438       | 21.43 |
| 52         | .0635       | 1.61 | 24         | .1520       | 3.86 | 19/64"     | .2969       | 7.54  | 7/8"       | .8750       | 22.23 |
| 51         | .0670       | 1.70 | 23         | .1540       | 3.91 | 5/16"      | .3125       | 7.94  | 57/64"     | .8906       | 22.62 |
| 50         | .0700       | 1.78 | 5/32"      | .1562       | 3.97 | 21/64"     | .3281       | 8.33  | 29/32"     | .9062       | 23.02 |
| 49         | .0730       | 1.85 | 22         | .1570       | 3.99 | —          | .3346       | 8.50  | 59/64"     | .9219       | 23.42 |
| 48         | .0760       | 1.93 | 21         | .1590       | 4.04 | 11/32"     | .3438       | 8.73  | 15/16"     | .9375       | 23.81 |
| 5/64"      | .0781       | 1.98 | 20         | .1610       | 4.09 | 23/64"     | .3594       | 9.13  | 61/64"     | .9531       | 24.21 |
| 47         | .0785       | 1.99 | —          | .1654       | 4.20 | U          | .3680       | 9.35  | 31/32"     | .9688       | 24.61 |
| —          | .0787       | 2.00 | 19         | .1660       | 4.22 | 3/8"       | .3750       | 9.53  | 63/64"     | .9844       | 25.00 |
| 46         | .0810       | 2.06 | 18         | .1695       | 4.31 | 25/64"     | .3906       | 9.92  | 1"         | 1.0000      | 25.40 |
| 45         | .0820       | 2.08 | 11/64"     | .1719       | 4.37 | —          | .4016       | 10.20 | 1 1/32"    | 1.0312      | 26.19 |
| 44         | .0860       | 2.18 | 17         | .1730       | 4.39 | 13/32"     | .4062       | 10.32 | 1 1/16"    | 1.0625      | 26.98 |
| 43         | .0890       | 2.26 | 16         | .1770       | 4.50 | 27/64"     | .4219       | 10.72 | 1 9/32"    | 1.0938      | 27.78 |
| 42         | .0935       | 2.37 | 15         | .1800       | 4.57 | 7/16"      | .4375       | 11.11 | 1 1/8"     | 1.1250      | 28.58 |
| 3/32"      | .0938       | 2.38 | 14         | .1820       | 4.62 | 29/64"     | .4531       | 11.51 | 1 5/32"    | 1.1562      | 29.37 |
| 41         | .0960       | 2.44 | 13         | .1850       | 4.70 | 15/32"     | .4688       | 11.91 | 1 3/16"    | 1.1875      | 30.16 |
| 40         | .0980       | 2.49 | 3/16"      | .1875       | 4.76 | 31/64"     | .4844       | 12.30 | 1 7/32"    | 1.2188      | 30.96 |
| —          | .0984       | 2.50 | 12         | .1890       | 4.80 | 1/2"       | .5000       | 12.70 | 1 1/4"     | 1.2500      | 31.75 |
| 39         | .0995       | 2.53 | 11         | .1910       | 4.85 | 33/64"     | .5156       | 13.10 | 1 9/32"    | 1.2812      | 32.54 |
| 38         | .1015       | 2.58 | 10         | .1935       | 4.91 | 17/32"     | .5312       | 13.50 | 1 5/16"    | 1.3125      | 33.34 |
| 37         | .1040       | 2.64 | 9          | .1960       | 4.98 | 35/64"     | .5469       | 13.90 | 1 11/32"   | 1.3438      | 34.13 |
| 36         | .1065       | 2.71 | —          | .1969       | 5.00 | 9/16"      | .5625       | 14.29 | 1 3/8"     | 1.3750      | 34.93 |
| 7/64"      | .1094       | 2.78 | 8          | .1990       | 5.05 | 37/64"     | .5781       | 14.68 | 1 13/32"   | 1.4062      | 35.72 |
| 35         | .1100       | 2.79 | 7          | .2010       | 5.11 | 19/32"     | .5938       | 15.08 | 1 7/16"    | 1.4375      | 36.51 |
| 34         | .1110       | 2.82 | 13/64"     | .2031       | 5.16 | 39/64"     | .6094       | 15.48 | 1 15/32"   | 1.4688      | 37.31 |
| 33         | .1130       | 2.87 | 6          | .2040       | 5.18 | 5/8"       | .6250       | 15.88 | 1 1/2"     | 1.5000      | 38.10 |

Maximum cutting speeds  
for SST power taps - RPM

| Tap dia. | Mild steel | Stainless steel | Aluminium |
|----------|------------|-----------------|-----------|
| #6       | 800        | 500             | 1,600     |
| #8       | 670        | 400             | 1,500     |
| #10      | 600        | 350             | 1,400     |
| #12      | 550        | 300             | 1,200     |
| 1/4"     | 450        | 250             | 1,000     |
| 5/16"    | 370        | 200             | 850       |
| 3/8"     | 300        | 150             | 700       |
| 7/16"    | 260        | 120             | 600       |
| 1/2"     | 230        | 100             | 500       |

Recommended max. RPM for through holes. Reduce speed by one-third for blind holes. Make sure blind hole is deep enough to allow chips to accumulate at the bottom.

**Recommended cutting speed for HSS+Co  
Twist Drill Bits**

| Cutter Dia. |      | Mild Steel           | Steel                | Stainless Steel | Aluminium |
|-------------|------|----------------------|----------------------|-----------------|-----------|
| Inch        |      | 500N/mm <sup>2</sup> | 900N/mm <sup>2</sup> |                 |           |
| 1/16"       | 1.6  | 6112                 | 4278                 | 2445            | 12224     |
| 1/8"        | 3.2  | 3056                 | 2139                 | 1222            | 6112      |
| 3/16"       | 4.8  | 2037                 | 1426                 | 815             | 4075      |
| 1/4"        | 6.4  | 1528                 | 1070                 | 611             | 3056      |
| 5/16"       | 7.9  | 1222                 | 856                  | 489             | 2445      |
| 3/8"        | 9.5  | 1019                 | 713                  | 407             | 2037      |
| 7/16"       | 11.1 | 873                  | 611                  | 349             | 1746      |
| 1/2"        | 12.7 | 764                  | 535                  | 306             | 1528      |
| 9/16"       | 14.3 | 679                  | 475                  | 272             | 1358      |
| 5/8"        | 15.9 | 611                  | 428                  | 244             | 1222      |
| 11/16"      | 17.5 | 556                  | 389                  | 222             | 1111      |
| 3/4"        | 19.1 | 509                  | 357                  | 204             | 1019      |
| 13/16"      | 20.6 | 470                  | 329                  | 188             | 940       |
| 7/8"        | 22.2 | 437                  | 306                  | 175             | 873       |
| 15/16"      | 23.8 | 407                  | 285                  | 163             | 815       |
| 1"          | 25.4 | 382                  | 267                  | 153             | 764       |
| 1 1/16"     | 27   | 360                  | 252                  | 144             | 719       |
| 1 1/8"      | 28.6 | 340                  | 238                  | 136             | 679       |
| 1 3/16"     | 30.2 | 322                  | 225                  | 129             | 643       |
| 1 1/4"      | 31.8 | 306                  | 214                  | 122             | 611       |
| 1 5/16"     | 33.3 | 291                  | 204                  | 116             | 582       |
| 1 3/8"      | 34.9 | 278                  | 194                  | 111             | 556       |
| 1 7/16"     | 36.5 | 266                  | 186                  | 106             | 531       |
| 1 1/2"      | 38.1 | 255                  | 178                  | 102             | 509       |

\* SFM = Surface Feet per Minute  
Optimal RPM = SFM x 3.82/Diameter (in.)

**Recommended cutting speed for M2Al HSS  
Countersinks (82°)**

| Cutter Dia. |      | Aluminium | Copper | Mild Steel | Stainless Steel | Non-metallic Steel |
|-------------|------|-----------|--------|------------|-----------------|--------------------|
| Inch        |      |           |        |            |                 |                    |
| 1/4"        | 6.4  | 1505      | 1404   | 752        | 602             | 1755               |
| 5/16"       | 7.9  | 1203      | 1123   | 602        | 481             | 1404               |
| 3/8"        | 9.5  | 1004      | 937    | 502        | 401             | 1171               |
| 7/16"       | 11.1 | 861       | 803    | 430        | 344             | 1004               |
| 1/2"        | 12.7 | 752       | 702    | 376        | 301             | 878                |
| 9/16"       | 14.3 | 669       | 624    | 335        | 268             | 781                |
| 5/8"        | 15.9 | 602       | 562    | 301        | 241             | 702                |
| 11/16"      | 17.5 | 547       | 511    | 274        | 219             | 638                |
| 3/4"        | 19.1 | 502       | 468    | 251        | 201             | 585                |
| 13/16"      | 20.6 | 463       | 432    | 231        | 185             | 540                |
| 7/8"        | 22.2 | 430       | 401    | 215        | 172             | 502                |
| 15/16"      | 23.8 | 401       | 375    | 201        | 161             | 468                |
| 1"          | 25.4 | 376       | 351    | 188        | 150             | 439                |
| 1 1/16"     | 27   | 354       | 331    | 177        | 142             | 413                |
| 1 1/8"      | 28.6 | 334       | 312    | 167        | 134             | 390                |
| 1 3/16"     | 30.2 | 317       | 296    | 158        | 127             | 370                |
| 1 1/4"      | 31.8 | 251       | 234    | 125        | 100             | 293                |
| 1 9/16"     | 39.7 | 241       | 225    | 120        | 96              | 281                |
| 1 5/8"      | 41.3 | 231       | 216    | 116        | 93              | 270                |
| 1 11/16"    | 42.9 | 223       | 208    | 111        | 89              | 260                |
| 1 3/4"      | 44.5 | 215       | 201    | 107        | 86              | 251                |
| 1 13/16"    | 46   | 208       | 194    | 104        | 83              | 242                |
| 1 7/8"      | 47.6 | 201       | 187    | 100        | 80              | 234                |
| 1 15/16"    | 49.2 | 194       | 181    | 97         | 78              | 227                |
| 2"          | 50.8 | 188       | 176    | 94         | 75              | 219                |

**Recommended cutting speed for MULTI-STEP<sup>MC</sup>  
M2Al HSS Drill Bits**

| Diameter | Aluminium | Copper | Mild Steel | Stainless Steel | Non-metallic |
|----------|-----------|--------|------------|-----------------|--------------|
| mm       |           |        |            |                 |              |
| 12.7     | 1003      | 878    | 502        | 376             | 1128         |
| 14.3     | 892       | 781    | 446        | 335             | 1004         |
| 15.9     | 802       | 702    | 401        | 301             | 902          |
| 17.5     | 730       | 638    | 365        | 274             | 821          |
| 19.1     | 669       | 585    | 334        | 251             | 752          |
| 20.6     | 617       | 540    | 309        | 231             | 694          |
| 22.2     | 573       | 502    | 287        | 215             | 645          |
| 23.8     | 535       | 468    | 268        | 201             | 602          |
| 25.4     | 502       | 439    | 251        | 188             | 564          |
| 27.0     | 472       | 413    | 236        | 177             | 531          |
| 28.6     | 446       | 390    | 223        | 167             | 502          |
| 30.2     | 422       | 370    | 211        | 158             | 475          |
| 31.8     | 401       | 351    | 201        | 150             | 451          |
| 33.3     | 382       | 334    | 191        | 143             | 430          |
| 34.9     | 365       | 319    | 182        | 137             | 410          |

\* Choose RPM based on LARGEST step diameter

### Recommended cutting speed for CARBIDE CORE CUT annular cutter

| Diameter |          | Mild Steel           | Steel                | Steel                | Steel    | Steel                 | Stainless | Aluminium |
|----------|----------|----------------------|----------------------|----------------------|----------|-----------------------|-----------|-----------|
| mm       | Inch     | 500N/mm <sup>2</sup> | 750N/mm <sup>2</sup> | 900N/mm <sup>2</sup> | 1200N/mm | 1400N/mm <sup>2</sup> | Steel     |           |
| 11.1     | 7/16"    | 1147                 | 1061                 | 1003                 | 860      | 717                   | 573       | 2580      |
| 12.7     | 1/2"     | 1003                 | 928                  | 878                  | 752      | 627                   | 502       | 2257      |
| 14.3     | 9/16"    | 892                  | 825                  | 781                  | 669      | 558                   | 446       | 2007      |
| 15.9     | 5/8"     | 802                  | 742                  | 702                  | 602      | 501                   | 401       | 1805      |
| 17.5     | 11/16"   | 730                  | 675                  | 638                  | 547      | 456                   | 365       | 1642      |
| 19.1     | 3/4"     | 669                  | 619                  | 585                  | 502      | 418                   | 334       | 1505      |
| 20.6     | 13/16"   | 617                  | 571                  | 540                  | 463      | 386                   | 309       | 1389      |
| 22.2     | 7/8"     | 573                  | 530                  | 502                  | 430      | 358                   | 287       | 1290      |
| 23.8     | 15/16"   | 535                  | 495                  | 468                  | 401      | 334                   | 268       | 1204      |
| 25.4     | 1"       | 502                  | 464                  | 439                  | 376      | 313                   | 251       | 1128      |
| 27.0     | 1-1/16"  | 472                  | 437                  | 413                  | 354      | 295                   | 236       | 1062      |
| 28.6     | 1-1/8"   | 446                  | 412                  | 390                  | 334      | 279                   | 223       | 1003      |
| 30.2     | 1-9/16"  | 422                  | 391                  | 370                  | 317      | 264                   | 211       | 950       |
| 31.8     | 1-1/4"   | 401                  | 371                  | 351                  | 301      | 251                   | 201       | 903       |
| 33.3     | 1-5/16"  | 382                  | 353                  | 334                  | 287      | 239                   | 191       | 860       |
| 34.9     | 1-3/8"   | 365                  | 337                  | 319                  | 274      | 228                   | 182       | 821       |
| 36.5     | 1-7/16"  | 349                  | 323                  | 305                  | 262      | 218                   | 174       | 785       |
| 38.1     | 1-1/2"   | 334                  | 309                  | 293                  | 251      | 209                   | 167       | 752       |
| 39.7     | 1-9/16"  | 321                  | 297                  | 281                  | 241      | 201                   | 161       | 722       |
| 41.3     | 1-5/8"   | 309                  | 285                  | 270                  | 231      | 193                   | 154       | 694       |
| 42.9     | 1-11/16" | 297                  | 275                  | 260                  | 223      | 186                   | 149       | 669       |
| 44.5     | 1-3/4"   | 287                  | 265                  | 251                  | 215      | 179                   | 143       | 645       |
| 46.0     | 1-13/16" | 277                  | 256                  | 242                  | 208      | 173                   | 138       | 623       |
| 47.6     | 1-7/8"   | 267                  | 247                  | 234                  | 201      | 167                   | 134       | 602       |
| 49.2     | 1-15/16" | 259                  | 239                  | 227                  | 194      | 162                   | 129       | 582       |
| 50.8     | 2"       | 251                  | 232                  | 219                  | 188      | 157                   | 125       | 564       |
| 52.4     | 2-1/16"  | 243                  | 225                  | 213                  | 182      | 152                   | 122       | 547       |
| 54.0     | 2-1/8"   | 236                  | 218                  | 207                  | 177      | 148                   | 118       | 531       |
| 55.6     | 2-3/16"  | 229                  | 212                  | 201                  | 172      | 143                   | 115       | 516       |
| 57.2     | 2-1/4"   | 223                  | 206                  | 195                  | 167      | 139                   | 111       | 502       |
| 58.7     | 2-5/16"  | 217                  | 201                  | 190                  | 163      | 136                   | 108       | 488       |
| 60.4     | 2-3/8"   | 211                  | 195                  | 185                  | 158      | 132                   | 106       | 475       |
| 61.9     | 2-7/16"  | 206                  | 190                  | 180                  | 154      | 129                   | 103       | 463       |
| 63.5     | 2-1/2"   | 201                  | 186                  | 176                  | 150      | 125                   | 100       | 451       |
| 65.1     | 2-9/16"  | 196                  | 181                  | 171                  | 147      | 122                   | 98        | 440       |
| 66.7     | 2-5/8"   | 191                  | 177                  | 167                  | 143      | 119                   | 96        | 430       |
| 68.3     | 2-11/16" | 187                  | 173                  | 163                  | 140      | 117                   | 93        | 420       |
| 69.9     | 2-3/4"   | 182                  | 169                  | 160                  | 137      | 114                   | 91        | 410       |
| 71.4     | 2-13/16" | 178                  | 165                  | 156                  | 134      | 111                   | 89        | 401       |
| 73.0     | 2-7/8"   | 174                  | 161                  | 153                  | 131      | 109                   | 87        | 393       |
| 74.6     | 2-15/16" | 171                  | 158                  | 149                  | 128      | 107                   | 85        | 384       |
| 76.2     | 3"       | 167                  | 155                  | 146                  | 125      | 104                   | 84        | 376       |
| 77.8     | 3-1/16"  | 164                  | 151                  | 143                  | 123      | 102                   | 82        | 368       |
| 79.4     | 3-1/8"   | 160                  | 148                  | 140                  | 120      | 100                   | 80        | 361       |
| 81.0     | 3-3/16"  | 157                  | 146                  | 138                  | 118      | 98                    | 79        | 354       |
| 82.6     | 3-1/4"   | 154                  | 143                  | 135                  | 116      | 96                    | 77        | 347       |
| 84.1     | 3-5/16"  | 151                  | 140                  | 132                  | 114      | 95                    | 76        | 341       |
| 85.7     | 3-3/8"   | 149                  | 137                  | 130                  | 111      | 93                    | 74        | 334       |
| 87.3     | 3-7/16"  | 146                  | 135                  | 128                  | 109      | 91                    | 73        | 328       |
| 88.9     | 3-1/2"   | 143                  | 133                  | 125                  | 107      | 90                    | 72        | 322       |
| 90.5     | 3-9/16"  | 141                  | 130                  | 123                  | 106      | 88                    | 70        | 317       |
| 92.1     | 3-5/8"   | 138                  | 128                  | 121                  | 104      | 86                    | 69        | 311       |
| 93.7     | 3-11/16" | 136                  | 126                  | 119                  | 102      | 85                    | 68        | 306       |
| 95.3     | 3-3/4"   | 134                  | 124                  | 117                  | 100      | 84                    | 67        | 301       |
| 96.8     | 3-13/16" | 132                  | 122                  | 115                  | 99       | 82                    | 66        | 296       |
| 98.4     | 3-7/8"   | 129                  | 120                  | 113                  | 97       | 81                    | 65        | 291       |
| 100.0    | 3-15/16" | 127                  | 118                  | 111                  | 96       | 80                    | 64        | 287       |
| 101.6    | 4"       | 125                  | 116                  | 110                  | 94       | 78                    | 63        | 282       |

### Recommended cutting speed for SST™ CORE CUT and ICECUT™ annular cutter

| Diameter |          | Mild Steel           | Steel                | Steel                | Steel    | Steel                 | Stainless Steel | Aluminum |
|----------|----------|----------------------|----------------------|----------------------|----------|-----------------------|-----------------|----------|
| mm       | Inch     | 500N/mm <sup>2</sup> | 750N/mm <sup>2</sup> | 900N/mm <sup>2</sup> | 1200N/mm | 1400N/mm <sup>2</sup> |                 |          |
| 11.1     | 7/16"    | 717                  | 573                  | 373                  | 287      | 201                   | 344             | 1433     |
| 12.7     | 1/2"     | 627                  | 502                  | 326                  | 251      | 176                   | 301             | 1254     |
| 14.3     | 9/16"    | 558                  | 446                  | 290                  | 223      | 156                   | 268             | 1115     |
| 15.9     | 5/8"     | 501                  | 401                  | 261                  | 201      | 140                   | 241             | 1003     |
| 17.5     | 11/16"   | 456                  | 365                  | 237                  | 182      | 128                   | 219             | 912      |
| 19.1     | 3/4"     | 418                  | 334                  | 217                  | 167      | 117                   | 201             | 836      |
| 20.6     | 13/16"   | 386                  | 309                  | 201                  | 154      | 108                   | 185             | 771      |
| 22.2     | 7/8"     | 358                  | 287                  | 186                  | 143      | 100                   | 172             | 717      |
| 23.8     | 15/16"   | 334                  | 268                  | 174                  | 134      | 94                    | 161             | 669      |
| 25.4     | 1"       | 313                  | 251                  | 163                  | 125      | 88                    | 150             | 627      |
| 27.0     | 1-1/16"  | 295                  | 236                  | 153                  | 118      | 83                    | 142             | 590      |
| 28.6     | 1-1/8"   | 279                  | 223                  | 145                  | 111      | 78                    | 134             | 557      |
| 30.2     | 1-3/16"  | 264                  | 211                  | 137                  | 106      | 74                    | 127             | 528      |
| 31.8     | 1-1/4"   | 251                  | 201                  | 130                  | 100      | 70                    | 120             | 502      |
| 33.3     | 1-5/16"  | 239                  | 191                  | 124                  | 96       | 67                    | 115             | 478      |
| 34.9     | 1-3/8"   | 228                  | 182                  | 119                  | 91       | 64                    | 109             | 456      |
| 36.5     | 1-7/16"  | 218                  | 174                  | 113                  | 87       | 61                    | 105             | 436      |
| 38.1     | 1-1/2"   | 209                  | 167                  | 109                  | 84       | 59                    | 100             | 418      |
| 39.7     | 1-9/16"  | 201                  | 161                  | 104                  | 80       | 56                    | 96              | 401      |
| 41.3     | 1-5/8"   | 193                  | 154                  | 100                  | 77       | 54                    | 93              | 386      |
| 42.9     | 1-11/16" | 186                  | 149                  | 97                   | 74       | 52                    | 89              | 372      |
| 44.5     | 1-3/4"   | 179                  | 143                  | 93                   | 72       | 50                    | 86              | 358      |
| 46.0     | 1-13/16" | 173                  | 138                  | 90                   | 69       | 48                    | 83              | 346      |
| 47.6     | 1-7/8"   | 167                  | 134                  | 87                   | 67       | 47                    | 80              | 334      |
| 49.2     | 1-15/16" | 162                  | 129                  | 84                   | 65       | 45                    | 78              | 324      |
| 50.8     | 2"       | 157                  | 125                  | 81                   | 63       | 44                    | 75              | 313      |
| 52.4     | 2-1/16"  | 152                  | 122                  | 79                   | 61       | 43                    | 73              | 304      |
| 54.0     | 2-1/8"   | 148                  | 118                  | 77                   | 59       | 41                    | 71              | 295      |
| 55.6     | 2-3/16"  | 143                  | 115                  | 75                   | 57       | 40                    | 69              | 287      |
| 57.2     | 2-1/4"   | 139                  | 111                  | 72                   | 56       | 39                    | 67              | 279      |
| 58.7     | 2-5/16"  | 136                  | 108                  | 70                   | 54       | 38                    | 65              | 271      |
| 60.4     | 2-3/8"   | 132                  | 106                  | 69                   | 53       | 37                    | 63              | 264      |

#### Taper pipe tap drill sizes NPT and NPTF

| Tap size  | Drill size | Tap size        | Drill size |
|-----------|------------|-----------------|------------|
| 1/8" - 27 | 11/32"     | 1" - 11 1/2     | 1 5/32"    |
| 1/4" - 18 | 7/16"      | 1 1/4" - 11 1/2 | 1 1/2"     |
| 3/8" - 18 | 37/64"     | 1 1/2" - 11 1/2 | 1 47/64"   |
| 1/2" - 14 | 45/64"     | 2" - 11 1/2     | 2 7/32"    |
| 3/4" - 14 | 29/32"     |                 |            |

#### Recommended feed for annular cutter

| Material                    | Feed (mm/r) | Coolant (ml/min) |
|-----------------------------|-------------|------------------|
| Steel 500N/mm <sup>2</sup>  | 0.08-0.13   | 60-80            |
| Steel 750N/mm <sup>2</sup>  | 0.08-0.13   | 60-80            |
| Steel 900N/mm <sup>2</sup>  | 0.05-0.1    | 80-100           |
| Steel 1200N/mm <sup>2</sup> | 0.05-0.1    | 80-100           |
| Steel 1400N/mm <sup>2</sup> | 0.05-0.1    | 80-100           |
| Stainless Steel             | 0.05-0.1    | 150-200          |
| Aluminum                    | 0.1-0.15    | 80-100           |

#### Tap drill sizes - fractional

| Tap size | Thread form | Drill size | Tap size | Thread form | Drill size |
|----------|-------------|------------|----------|-------------|------------|
| 2-56     | NC          | 50         | 1/4"-28  | NF          | 3          |
| 3-48     | NC          | 47         | 5/16"-18 | NC          | F          |
| 4-40     | NC          | 43         | 5/16"-24 | NF          | 17/64"     |
| 5-40     | NC          | 38         | 3/8"-16  | NC          | 5/16"      |
| 6-32     | NC          | 36         | 3/8"-24  | NF          | 21/64"     |
| 8-32     | NC          | 29         | 7/16"-14 | NC          | U          |
| 10-24    | NC          | 25         | 7/16"-20 | NF          | 25/64"     |
| 10-32    | NF          | 21         | 1/2"-13  | NC          | 27/64"     |
| 12-24    | NC          | 16         | 1/2"-20  | NF          | 29/64"     |
| 1/4"-20  | NC          | 7          | 9/16"-12 | NC          | 31/64"     |

#### Tap drill sizes - metric

| SIZE gauge/ | PITCH | Drill wire |
|-------------|-------|------------|
|             | mm    | mm         |
| M2.5        | .45   | 2.0        |
| M3          | .5    | 2.5        |
| M3.5        | .6    | 2.9        |
| M4          | .7    | 3.3        |
| M5          | .8    | 4.2        |
| M6          | 1.0   | 5.0        |
| M8          | 1.25  | 6.7        |
| M10         | 1.5   | 8.5        |
| M12         | 1.75  | 10.2       |

09

POWER  
TOOLS



# POWER TOOLS

## Features



Video available at The Walter Network  
[www.youtube.com/user/TheWalterNetwork](http://www.youtube.com/user/TheWalterNetwork)

### Power, safety and improved productivity

Our line of angle grinders is designed to excel in all applications, whether it be in grinding, cutting, sanding, or cleaning. Each of our grinders is compact and packs a punch, providing you with the highest removal rate in the industry when paired with Walter abrasives. These industrial tools are designed with safety in mind and are built to last.

We also have classified our grinders to help you select the very best tool for your specific needs. Is improving safety the key decision factor? Perhaps maximum productivity is really what matters. Rest assured that whichever grinder you select, it will deliver the strongest, most efficient output available, reducing your overall costs.



|                                 | Anti-vibration side handle | Tool-free guard | Quick-R™ release | Safety clutch | Paddle switch (non-locking) | Soft Start™ | Safety restart | DYNAMAX™ electronics | Powerguard™ | Stabilizer | Variable Dialspeed™ | Mechanical brake system |
|---------------------------------|----------------------------|-----------------|------------------|---------------|-----------------------------|-------------|----------------|----------------------|-------------|------------|---------------------|-------------------------|
| <b>MINI GRINDER</b>             | ✗                          | ✗               | ✗                | ✗             |                             |             |                |                      |             |            |                     |                         |
| <b>MINI PS</b>                  | ✗                          | ✗               | ✗                | ✗             | ✗                           |             |                |                      |             |            |                     |                         |
| <b>MINI PLUS</b>                | ✗                          | ✗               | ✗                | ✗             |                             | ✗           | ✗              | ✗                    | ✗           | ✗          | ✗                   |                         |
| <b>SUPER 5</b>                  | ✗                          | ✗               | ✗                | ✗             |                             |             |                |                      |             |            |                     |                         |
| <b>SUPER 5 PS</b>               | ✗                          | ✗               | ✗                | ✗             | ✗                           | ✗           | ✗              | ✗                    | ✗           |            |                     |                         |
| <b>PRO 5</b>                    | ✗                          | ✗               | ✗                | ✗             |                             | ✗           | ✗              | ✗                    | ✗           | ✗          |                     |                         |
| <b>BIG 6</b>                    | ✗                          | ✗               | ✗                | ✗             |                             | ✗           | ✗              | ✗                    | ✗           | ✗          |                     |                         |
| <b>BIG 6 PS</b>                 | ✗                          | ✗               | ✗                | ✗             | ✗                           | ✗           | ✗              | ✗                    | ✗           | ✗          |                     | ✗                       |
| <b>IRONMAN</b>                  | ✗                          | ✗               | ✗                | ✗             |                             | ✗           | ✗              | ✗                    |             | ✗          |                     |                         |
| <b>IRONMAN PS</b>               | ✗                          | ✗               | ✗                | ✗             | ✗                           | ✗           | ✗              | ✗                    |             | ✗          |                     | ✗                       |
| <b>MAXI</b>                     | ✗                          | ✗               |                  |               | ✗**                         |             |                |                      |             |            |                     |                         |
| <b>QUICK-STEP FINISHER</b>      | ✗                          | ✗               | ✗                | ✗             |                             | ✗           | ✗              | ✗                    | ✗           |            | ✗                   |                         |
| <b>QUICK-STEP BIG-BUFF III</b>  |                            |                 |                  |               |                             | ✗           | ✗              | ✗                    | ✗           |            | ✗                   |                         |
| <b>ULTI-MATE</b>                | ✗                          | ✗               |                  | ✗             |                             | ✗           | ✗              | ✗                    | ✗           |            | ✗                   |                         |
| <b>RAIL-MATE</b>                |                            |                 |                  |               |                             | ✗           | ✗              | ✗                    | ✗           |            | ✗                   |                         |
| <b>QUICK-STEP LINE-MATE III</b> |                            |                 |                  |               |                             | ✗           | ✗              | ✗                    | ✗           |            | ✗                   |                         |
| <b>DIALSPEED 6141</b>           |                            |                 |                  |               |                             | ✗           | ✗              | ✗                    | ✗           |            | ✗                   |                         |
| <b>DIALSPEED 6145</b>           |                            |                 |                  |               |                             | ✗           | ✗              | ✗                    | ✗           |            | ✗                   |                         |
| <b>STRAIGHT-MATE</b>            |                            |                 |                  |               |                             | ✗           |                | ✗                    |             |            | ✗                   |                         |

\*Non-locking paddle switch on models 6352 and 6362 only. \*\*Non-locking switch available upon request on MAXI™ models.



# Total performance

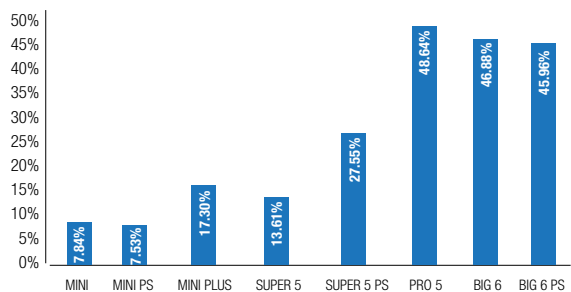
When you combine the most powerful grinders with premium Walter abrasives, you get the best overall performance in the industry. Whether you need to cut, grind or finish surfaces, our line of angle grinders gets the job done faster and easier while extending the life of your abrasives. Walter's next generation grinders are setting new standards in the metalworking industry.

### New angle grinders vs. the previous generation (both using HP XX grinding wheels)

| Model      | Total removal (g) |      |        | Removal rate (g/min.) |      |        |
|------------|-------------------|------|--------|-----------------------|------|--------|
|            |                   | New  | %      |                       | New  | %      |
| MINI       | 1020              | 1111 | 8.92%  | 20.40                 | 22   | 7.84%  |
| MINI PS    | 1023              | 1111 | 8.60%  | 20.46                 | 22   | 7.53%  |
| MINI PLUS  | 1023              | 1230 | 20.23% | 20.46                 | 24   | 17.30% |
| SUPER 5    | 1176              | 1200 | 2.04%  | 29.40                 | 33.4 | 13.61% |
| SUPER 5 PS | 1176              | 2100 | 78.57% | 29.40                 | 37.5 | 27.55% |
| PRO 5      | 1176              | 2300 | 95.58% | 29.40                 | 43.7 | 48.64% |
| BIG 6      | 2200              | 2765 | 25.68% | 32.00                 | 47   | 46.88% |
| BIG 6 PS   | 2200              | 2765 | 25.68% | 32.20                 | 47   | 45.96% |

● Double the life of your HP XX wheels by combining them with our PRO 5 grinder!

### Productivity gain with our grinders compared to closest competitor (using HP XX wheels)



## OUR GRINDERS

### GENERAL FEATURES

- Variable DialSpeed™** Electronic speed control at the back of the machine to adjust the speed for optimum performance. DYNAMAX™ electronics regulate the power supply to the motor to ensure constant speed under full load for optimal control.
- Soft Start™** Tools equipped with Soft Start™ will ensure a progressive increase of RPM for a safer use, as opposed to a high start-up "kick".
- Brake system** Fastest mechanical brake available on the market, that will stop the tool within two seconds, for optimal user safety.
- Powerguard™** A temperature sensor is built into the electric motor to help protect the tool from burn-out.
- Quick-R™ release** Lets you change grinding and cut-off wheels in seconds, without any keys or wrenches.
- Anti-vibration side handle** High-tech, vibration absorbing side handle offers a safer and more comfortable operation without fatigue.
- Safety restart** Following a power interruption the power tool will not restart on its own when power is restored. If the switch is left in the ON position, the LED will start blinking when the power is restored. To restart the grinder, it must be reset by switching it OFF and then ON. If the cord breaks, the LED link will flash.
- Tool-free guard** New, quick-release guard lever lets you adjust or remove the wheel guard without any tools, in a matter of seconds.
- Stabilizer** Significantly reduces vibration during operation, making the tools more ergonomic and extending the life of both the tool and abrasives by up to 200%.
- DYNAMAX™ electronics** Ensure that spindle RPM speeds remain constant even under load for maximum productivity.
- Paddle switch (non-locking)** For added safety, the double action non-locking paddle switch will stop the grinder if you are not holding it.
- 2 SEC** Brake system (2 seconds)

### More protection

All Walter 4 1/2", 5" and 6" angle grinders are covered by our 24-month LONG-RUN warranty and exclusive SERVICEGUARD™ protection plan.

WARRANTY

**LONG-RUN**  
SERVICEGUARD™  
Protection Plan

**24**  
MONTHS

**NEW**

## GRINDER GRIP™

Magnetic grinder accessory to keep your tools close

**GrinderGRIP™**

***The Grinder Grip™ is the only magnetic grinder accessory that makes work easier, safer and more convenient.***

The magnet easily attaches to your grinder, allowing it to stick to any ferrous metal surface when not in use. This will help prevent damage to your power tools, as well as your abrasives by keeping it out of harm's way, all while remaining easily accessible. No more knocking or dropping your tools! Stick them with the Grinder Grip™.

### Features

- ▷ *It's safe and easy to install*
- ▷ *Keeps your tools out of harm's way all while keeping them handy Compatible with Walter angle grinders*
- ▷ *Models compatible with other brands such as Metabo, Dewalt, Milwaukee, Makita, Hilti*



Video available at The Walter Network  
[www.youtube.com/user/TheWalterNetwork](http://www.youtube.com/user/TheWalterNetwork)



**Order No.:** 30-G 001  
for Walter grinder models.

*See accessories page for other brands.*



# 4.5" ANGLE GRINDERS



WARRANTY  
LONG-RUN SERVICE GUARD™ Protection Plan  
24 MONTHS

## MINI GRINDER™

Order no. 30-A 161

Light, compact and durable  
The Mini™ 4.5" grinder's state-of-the-art features include the new Walter anti-vibration handle that makes the grinder more comfortable to use and Walter's QUICK-R™ instant release function for disc change outs that take just seconds. The Mini™ has an additional 100 watts of power and features a rear vent to keep the armature cooler, allowing you to work longer while extending the life of the tool.



WARRANTY  
LONG-RUN SERVICE GUARD™ Protection Plan  
24 MONTHS

## MINI PS™

Order no. 30-A 163

Additional job site safety  
The Mini PS™ is the ideal choice when a paddle switch is needed on a 4 ½" grinder. It can be plugged into a generator, making it the perfect fit for construction sites. The double action non-locking paddle switch will stop when you release it, making it the safest choice without sacrificing productivity.



WARRANTY  
LONG-RUN SERVICE GUARD™ Protection Plan  
24 MONTHS

## MINI PLUS™

Order no. 30-A 255

Powerful variable speed grinder  
The MINI PLUS™ grinder provides premium performance and the most advanced features in the industry. Put it to work taking down welds, cutting tubing, light sanding, or removing rust and paint. With an autobalancer, our DYNAMAX™ speed control and POWERGUARD™ protection from overheating, the MINI PLUS™ delivers superior performance no matter the job. Remove more material faster while also significantly extending the life of your abrasives with a premium power tool.

| Description                       | MINI™     | MINI PS™  | MINI PLUS™      |
|-----------------------------------|-----------|-----------|-----------------|
| Model name                        | 6161K     | 6163B     | 6255J           |
| Order No.                         | 30-A 161  | 30-A 163  | 30-A 255        |
| Anti vibration side handle        | √         | √         | √               |
| Safety clutch                     | √         | √         | √               |
| QUICK-R™ instant release function | √         | √         | √               |
| Tool-free rotating guard          | √         | √         | √               |
| Non-locking paddle switch         |           | √         | √               |
| Lock-on switch                    | √         |           |                 |
| AC/DC compatibility               | √         | AC only   | AC only         |
| Stabilizer™                       |           |           | √               |
| Soft-Start™                       |           |           | √               |
| Restart protection                |           |           | √               |
| DYNAMAX™ RPM monitoring           |           |           | √               |
| POWERGUARD™ overheat protection   |           |           | √               |
| LED indicator                     |           |           | √               |
| DIALSPEED™ variable RPM selector  |           |           | √               |
| Spindle                           | 5/8" - 11 | 5/8" - 11 | 5/8" - 11       |
| RPM no-load                       | 10,500    | 10,500    | 2,800 to 10,500 |
| Amps                              | 8.5 A     | 8.5 A     | 9.5 A           |
| Power                             | 900 W     | 900 W     | 1000 W          |
| Tool weight                       | 4.6 lbs   | 4.6 lbs   | 4.8 lbs         |
| Maximum wheel diameter            | 4 ½"      | 4 ½"      | 5"              |
| <b>Standard equipment</b>         |           |           |                 |
| Wheel guard type 27               | 48-M 441  | 48-M 441  | 48-M 444        |
| Side handle                       | 30-B 075  | 30-B 075  | 30-B 075        |
| Inner flange                      | 30-B 057  | 30-B 057  | 30-B 057        |
| QUICK-R™ front nut                | 30-B 020  | 30-B 020  | 30-B 020        |
| <b>Optional equipment</b>         |           |           |                 |
| Close guard adaptor               | 34-B 010  | 34-B 010  | 34-B 011        |
| Manual clamping nut               | 30-B 037  | 30-B 037  | 30-B 037        |
| Nut holder                        | 30-B 023  | 30-B 023  | 30-B 023        |
| Pin key wrench                    | 48-Z 148  | 48-Z 148  | 48-Z 148        |
| SPIN-ON™ kit                      | 30-B 024  | 30-B 024  | 30-B 024        |

## 5" ANGLE GRINDERS

**NEW AND IMPROVED!**



### SUPER 5™

**Order no.** 30-A 150

The perfect intermediate size grinder

Now boasting a 10.5A motor, this grinder is the right choice for those jobs that require extra power from a lightweight tool. This industrial grade power tool is built to last, and when paired with 5" Walter abrasives it provides one of the safest and most productive systems to tackle a wide range of jobs.

### SUPER 5 PS™

**Order no.** 30-A 153

Safety and performance

The Super 5 PS™ allows you to grind, cut, sand, finish and clean at a much faster and smoother rate. Furthermore, rest assured that when you hold the Super 5 PS™, you are holding the safest grinder thanks to Soft Start™, Powerguard™, a safety clutch and a safety restart that prevents the tool from starting on its own after a power interruption. The Super 5 PS also comes with a paddle switch and a mechanical brake which stops the grinder within 2 seconds of relieving the trigger.

### PRO 5™

**Order no.** 30-A 157

The best ratio of weight and performance

The Pro 5™ has no peers among 5" angle grinders when it comes to removal rate or cutting speed. Equipped with the Walter Stabilizer™, DYNAMAX™, Powerguard™, and Soft Start™ technologies, the Pro 5™ is in a class of its own and offers the most comprehensive safety and productivity enhancing features.

| Description                       | SUPER 5™  | SUPER 5 PS™    | PRO 5™                |
|-----------------------------------|-----------|----------------|-----------------------|
| Model name                        | 6150i     | 6153C          | 6157A                 |
| Order No.                         | 30-A 150  | 30-A 153       | 30-A 157              |
| Anti vibration side handle        | √         | √              | √                     |
| Safety clutch                     | √         | √              | √                     |
| QUICK-R™ instant release function | √         | √              | √                     |
| Tool-free rotating guard          | √         | √              | √                     |
| Non-locking paddle switch         |           | √              |                       |
| Mechanical brake system           |           | 2-second brake |                       |
| Lock-on switch                    | √         |                | √                     |
| AC/DC compatibility               | √         | AC only        | AC compatibility only |
| Stabilizer™                       |           |                | √                     |
| Soft-Start™                       |           | √              | √                     |
| Restart protection                |           | √              | √                     |
| DYNAMAX™ RPM monitoring           |           | √              | √                     |
| POWERGUARD™ overheat protection   |           | √              | √                     |
| LED indicator                     |           | √              | √                     |
| Spindle                           | 5/8" - 11 | 5/8" - 11      | 5/8" - 11             |
| RPM no-load                       | 11,000    | 11,000         | 11,000                |
| Amps                              | 10.5 A    | 13.5 A         | 13.5 A                |
| Power                             | 1200 W    | 1550 W         | 1550 W                |
| Tool weight                       | 5.3 lbs   | 5.5 lbs        | 5.7 lbs               |
| Maximum wheel diameter            | 5"        | 5"             | 5"                    |
| <b>Standard equipment</b>         |           |                |                       |
| Wheel guard type 27               | 48-M 444  | 48-M 444       | 48-M 444              |
| Side handle                       | 30-B 075  | 30-B 075       | 30-B 075              |
| Inner flange                      | 30-B 057  | 30-B 057       | 30-B 057              |
| QUICK-R™ front nut                | 30-B 020  | 30-B 020       | 30-B 020              |
| <b>Optional equipment</b>         |           |                |                       |
| Close guard adaptor               | 34-B 011  | 34-B 011       | 34-B 011              |
| Manual clamping nut               | 30-B 037  | 30-B 037       | 30-B 037              |
| Nut holder                        | 30-B 023  | 30-B 023       | 30-B 023              |
| Pin key wrench                    | 48-Z 148  | 48-Z 148       | 48-Z 148              |
| SPIN-ON™ kit                      | 30-B 024  | 30-B 024       | 30-B 024              |

## 6" ANGLE GRINDERS



### BIG 6™

Order no. 30-A 260

The best ratio of weight and performance

The Big 6™ is the most powerful grinder in its class. The only grinder that can deliver 1,700 watts with a 6" wheel capacity, the Big 6™ is built for heavy duty applications. It offers a secure grip thanks to the new Walter Stabilizer™ system, which reduces vibration and increases the life of each wheel by at least 30%. The Big 6™ has extensive safety features, making it ideal for production environments that require the performance of a 7" or even 9" grinder without the weight that contributes to operator fatigue.



### BIG 6 PS™

Order no. 30-A 263

Heavy-duty performance with additional safety features

The Big 6 PS™ comes with a paddle switch and a mechanical brake to stop the grinder within 2 seconds of relieving the trigger. The Big 6 PS™ is the safest heavy duty grinder on the market and also comes with a Walter Stabilizer™ to reduce vibration, improving workplace ergonomics while improving the life and removal rate of your abrasives.

| Description                       | BIG 6™                | BIG 6 PS™             |
|-----------------------------------|-----------------------|-----------------------|
| Model name                        | 6260J                 | 6263B                 |
| Order No.                         | 30-A 260              | 30-A 263              |
| Anti vibration side handle        | ✓                     | ✓                     |
| Safety clutch                     | ✓                     | ✓                     |
| QUICK-R™ instant release function | ✓                     | ✓                     |
| Tool-free rotating guard          | ✓                     | ✓                     |
| Lock-on switch                    | ✓                     |                       |
| Non-locking paddle switch         |                       | ✓                     |
| Mechanical brake system           |                       | ✓                     |
| AC/DC compatibility               | AC compatibility only | AC compatibility only |
| Stabilizer™                       | ✓                     | ✓                     |
| Soft-Start™                       | ✓                     | ✓                     |
| Restart protection                | ✓                     | ✓                     |
| DYNAMAX™ RPM monitoring           | ✓                     | ✓                     |
| POWERGUARD™ overheat protection   | ✓                     | ✓                     |
| LED indicator                     | ✓                     | ✓                     |
| Spindle                           | 5/8" - 11             | 5/8" - 11             |
| RPM no-load                       | 9,600                 | 9,600                 |
| Amps                              | 14.5 A                | 14.5 A                |
| Power                             | 1700 W                | 1700 W                |
| Tool weight                       | 5.9 lbs               | 6.2 lbs               |
| Maximum wheel diameter            | 6"                    | 6"                    |
| <b>Standard equipment</b>         |                       |                       |
| Wheel guard type 27               | 48-M 446              | 48-M 446              |
| Side handle                       | 30-B 075              | 30-B 075              |
| Inner flange                      | 30-B 057              | 30-B 057              |
| QUICK-R™ front nut                | 30-B 020              | 30-B 020              |
| <b>Optional equipment</b>         |                       |                       |
| Close guard adaptor               | 34-B 011              | 34-B 011              |
| Manual clamping nut               | 30-B 037              | 30-B 037              |
| Nut holder                        | 30-B 023              | 30-B 023              |
| Pin key wrench                    | 48-Z 148              | 48-Z 148              |
| SPIN-ON™ kit                      | 30-B 024              | 30-B 024              |

# IRONMAN™ GRINDERS

## WARRANTY

**LONG-RUN**  
SERVICEGUARD™  
Protection Plan

**24**  
MONTHS



## IRONMAN™

**Order no.** 30-A 560

Top performance in strenuous and prolonged applications

With its ergonomic rat-tail design, the Ironman™ delivers 1,750 watts with 6" wheel capacity. It comes with a Walter Stabilizer™ to reduce vibration and extend the life and removal rate of your abrasives by up to 30%. Ideal for prolonged applications, when combined with Walter abrasives, Ironman™ is among the industry's most productive systems available.

## IRONMAN™ PS

**Order no.** 30-A 563

Exceptional performance with added safety features

If it's high performance and added safety you're after, the Ironman™ PS comes with a paddle switch and a mechanical brake to stop grinding wheels from turning within 2 seconds of relieving the trigger, and cutting wheels within 1.5 seconds. It delivers 1,750 watts of power and comes with a Walter Stabilizer™ to reduce vibration, improve ergonomics and extend the life and removal rate of your abrasives.

| Description                       | IRONMAN™              | IRONMAN™ PS           |
|-----------------------------------|-----------------------|-----------------------|
| Model name                        | 6560A                 | 6563A                 |
| Order No.                         | 30-A 560              | 30-A 563              |
| Anti vibration side handle        | √                     | √                     |
| Safety clutch                     | √                     | √                     |
| QUICK-R™ instant release function | √                     | √                     |
| Tool-free rotating guard          | √                     | √                     |
| Lock-on switch                    | √                     |                       |
| Mechanical brake system           |                       | 2-second brake        |
| AC/DC compatibility               | AC compatibility only | AC compatibility only |
| Stabilizer™                       | √                     | √                     |
| Soft-Start™                       | √                     | √                     |
| Restart protection                | √                     | √                     |
| DYNAMAX™ RPM monitoring           | √                     | √                     |
| POWERGUARD™ overheat protection   | √                     | √                     |
| LED indicator                     | √                     | √                     |
| Spindle                           | 5/8" - 11             | 5/8" - 11             |
| RPM no-load                       | 9,600                 | 9,600                 |
| Amps                              | 14.5 A                | 14.5 A                |
| Power                             | 1750 W                | 1750 W                |
| Tool weight                       | 6.2 lbs               | 6.2 lbs               |
| Maximum wheel diameter            | 6"                    | 6"                    |
| <b>Standard equipment</b>         |                       |                       |
| Wheel guard type 27               | 48-M 444              | 48-M 446              |
| Side handle                       | 30-B 075              | 30-B 075              |
| QUICK-R™ front nut                | 30-B 020              | 30-B 020              |
| <b>Optional equipment</b>         |                       |                       |
| Close guard adaptor               | 34-B 011              | 34-B 012              |
| Manual clamping nut               | 30-B 037              | 30-B 037              |
| Nut holder                        | 30-B 023              | 30-B 023              |
| Pin key wrench                    | 48-Z 148              | 48-Z 148              |
| SPIN-ON™ kit                      | 30-B 024              | 30-B 024              |

# MAXI™ GRINDERS



## MAXI™ 7"

Order no. 30-A 170

## MAXI™ 9"

Order no. 30-A 190

Pound for pound, they deliver more power and better performance

These full-size industrial angle grinders now deliver even more power and speed to get heavy-duty grinding and finishing jobs done faster and with less effort. Well established and recognized quality motors generate less heat and deliver a higher removal rate under load. These grinders will stay on the job longer in the most demanding applications such as bevelling, grinding and taking down heavy welds.

### WARRANTY



| Description                | MAXI™ 7"  | MAXI™ 9"  |
|----------------------------|-----------|-----------|
| Model name                 | 6170i     | 6190i     |
| Order No.                  | 30-A 170  | 30-A 190  |
| Anti vibration side handle | √         | √         |
| Lock-on switch             | √         | √         |
| AC/DC compatibility        | √         | √         |
| Swivel rear handle         | √         | √         |
| Spindle                    | 5/8" - 11 | 5/8" - 11 |
| RPM no-load                | 8,500     | 6,800     |
| Amps                       | 15 A      | 15 A      |
| Power                      | 2400 W    | 2400 W    |
| Tool weight                | 12.8 lbs  | 12.8 lbs  |
| Maximum wheel diameter     | 7"        | 9"        |
| <b>Standard equipment</b>  |           |           |
| Wheel guard                | 48-M 472  | 48-M 517  |
| Side handle                | 48-M 401  | 48-M 401  |
| Inner flange               | 30-B 057  | 30-B 057  |
| Clamping nut               | 30-B 037  | 30-B 037  |
| Pin key wrench             | 48-M 483  | 48-M 483  |
| <b>Optional equipment</b>  |           |           |
| Cut-off guard              | 34-B 065  | 34-B 066  |

\* Non-locking switch available upon request for MAXI™ grinder models.



# STRAIGHT-MATE™

**Order no.** 30-A 606 (30A607 for the kit)

The ultimate straight grinder and lightweight polishing and buffing tool

The Straight-Mate™ packs a punch as the ultimate lightweight straight grinder with Walter's Dynamax™ variable speed control and RPM range of 1,600 to 4,800. A versatile grinding, polishing and buffing tool.



## Features

- ▷ *Dynamax™ variable speed control*
- ▷ *RPM range: 1,600-4,800*
- ▷ *Lightweight: 7 lbs (3.2 kg)*
- ▷ *Max wheel diameter: 6" (150mm).*
- ▷ *Compatible with cotton wheels and polishing pastes*
- ▷ *Compatible with wire brush and Line-Mate™ drums*
- ▷ *Compatible with non-woven abrasives, Plugs and cones*
- ▷ *Compatible with snagging wheels*

## STRAIGHT-MATE KIT

**Order no.** 30-A 607

### Includes:

- 1 FX Stainless (07-X 661)
- 1 Blendex U (07-U 613)
- 1 2-in-1 Turbo Drum (07-K 441)
- 1 2-in-1 Drum (07-K 342)
- 1 Blendex Drum (07-M 323)
- 1 Cotton Drum (07-T 425)
- 1 Polishing Paste (07-T 907)
- 1 Wire Drums (13-M 454)
- 1 Straight-Mate (30-A 606)

| Description                      | STRAIGHT-MATE™            |
|----------------------------------|---------------------------|
| Model Name                       | 6606A                     |
| Order No.                        | 30-A 606 (30A607 for kit) |
| Lock-on switch                   | √                         |
| AC compatibility only            | √                         |
| Soft-Start <sup>MC</sup>         | √                         |
| Restart protection               |                           |
| DYNAMAX™ RPM monitoring          | √                         |
| LED indicator                    |                           |
| DIALSPEED™ variable RPM selector | √                         |
| Spindle                          | 5/8"-11                   |
| RPM no-load                      | 1600-4800                 |
| Amperage                         | 11.8                      |
| Power                            | 1300W                     |
| Tool weight                      | 6.6 lbs                   |
| Maximum wheel diameter           | 6" (150mm)                |

# SANDER-POLISHER QUICK-STEP FINISHER™

Order no. 30-A 275

The perfect tool for surface finishing and polishing

This variable speed tool was specifically designed to get the most out of the QUICK-STEP™ surface finishing system. Whether you sand, buff or polish, the QUICK-STEP Finisher™ will provide you with a uniform, top quality finish and reduced finishing times. With all the latest electronic safety controls, the QUICK-STEP Finisher™ is the smart choice for professionals looking to reduce cycle time and finishing costs.



## QUICK-STEP Finisher™ system

Order no. 30-A 277

**Includes:**

- 1 Quick-Step Finisher (30-A 275) with standard equipment plus carrying case
- 1 Quick-Step backing pad MG (07-Q 149)
- 1 Quick-Step FX (07-X 845)
- 1 Quick-Step FLEX grit 120 (07-Q 512)
- 1 Quick-Step FLEX grit 60 (07-Q 506)
- 1 Quick-Step interface pad (07-Q 045)
- 2 Quick-Step XX grit 120 (15-V 412)
- 2 Quick-Step XX grit 240 (15-V 424)
- 2 Quick-Step Blendex med (07-R 453)
- 1 Quick-Step Blendex fine (07-R 454)



| Description                       | QUICK-STEP FINISHER™  |
|-----------------------------------|-----------------------|
| Model name                        | 6275B                 |
| Order No.                         | 30-A 275              |
| Anti vibration side handle        | ✓                     |
| Safety clutch                     | ✓                     |
| QUICK-R™ instant release function | ✓                     |
| Lock-on switch                    | ✓                     |
| AC/DC compatibility               | AC compatibility only |
| Soft-Start™                       | ✓                     |
| Restart protection                | ✓                     |
| DYNAMAX™ RPM monitoring           | ✓                     |
| POWERGUARD™ overheat protection   | ✓                     |
| LED indicator                     | ✓                     |
| DIALSPEED™ variable RPM selector  | ✓                     |
| Spindle                           | 5/8" - 11             |
| RPM no-load                       | 2,000 to 7,600        |
| Amps                              | 12.2 A                |
| Power                             | 1550 W                |
| Tool weight                       | 5.5 lbs               |
| Maximum wheel diameter            | 6"                    |
| <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

The most comfortable and versatile tool for metal polishing

The Quick-Step Big-Buff III™ is a variable speed tool designed to provide operators with the power and versatility to tackle any job that requires sanding, buffing or polishing. The ergonomic design reduces operator fatigue and ensures smooth operation during the most demanding jobs.



## QUICK-STEP BIG-BUFF III™ SYSTEM – 4 1/2"

Order no. 30-A 267

### Includes:

- 1 Quick-Step backing pad MG (07-Q 149)
- 1 Quick-Step FX (07-X 845)
- 1 Quick-Step FLEX grit 120 (07-Q 512)
- 1 Quick-Step FLEX grit 60 (07-Q 506),
- 1 Quick-Step interface pad (07-Q 045)
- 2 Quick-Step XX grit 120 (15-V 412)
- 2 Quick-Step XX grit 240 (15-V 424)
- 2 Quick-Step Blendex med (07-R 453)
- 2 Quick-Step Blendex fine (07-R 454)
- 1 Quick-Step Felt (07-T 450)
- 1 Quick-Step high polish (07-T 454)
- 1 instant polishing paste (07-T 907)
- 1 Quick-Step Big-Buff and carrying case (30-A 265)



| Description                      | QUICK-STEP BIG-BUFF III™ |
|----------------------------------|--------------------------|
| Model name                       | 6265C                    |
| Order No.                        | 30-A 265                 |
| Lock-on switch                   | ✓                        |
| AC/DC compatibility              | AC compatibility only    |
| Soft-Start™                      | ✓                        |
| Restart protection               | ✓                        |
| DYNAMAX™ RPM monitoring          | ✓                        |
| POWERGUARD™ overheat protection  | ✓                        |
| DIALSPEED™ variable RPM selector | ✓                        |
| Spindle                          | 5/8" - 11                |
| RPM no-load                      | 2,000 to 7,300           |
| Amps                             | 12.4 A                   |
| Power                            | 1500 W                   |
| Weight                           | 6 lbs                    |
| Maximum wheel diameter           | 6"                       |
| <b>Standard equipment</b>        |                          |
| Side handle                      | 30-B 075                 |
| Inner flange                     | 30-B 057                 |
| Manual clamping nut              | 30-B 037                 |
| Pin key wrench                   | 48-Z 148                 |

# FILLET WELD GRINDER

## ULTI-MATE™

Variable speed fillet weld grinder

Ulti-Mate™ is a variable speed fillet weld grinder and finishing tool designed to work in tight corners that other tools have a difficult time reaching. By combining this tool and our range of quality abrasives, you can go from a rough weld all the way to a mirror finish in just minutes.



### **ULTI-MATE™ FILLET WELD GRINDER SYSTEM**

**Order no.** 30-A 287

**Includes:**

- 1 Ulti-Mate grinder
- 1 Enduro-Flex 2-in-1 Turbo (15-I 451)
- 1 Enduro-Flex 2-in-1 (15-I 453)
- 1 Blendex U Turbo, ¼" width (07-U 625)
- 1 Blendex U Turbo, ⅛" width (07-U 615)
- 1 Blendex U 2SF, ¼" width (07-U 621)
- 1 FX Stainless wheel, ¼" width (07-X 662)



| Description                      | ULTI-MATE™ WELD GRINDER SYSTEM |
|----------------------------------|--------------------------------|
| Model name                       | 6285A                          |
| Order No.                        | 30-A 287                       |
| Anti vibration side handle       | ✓                              |
| Safety clutch                    | ✓                              |
| Lock-on switch                   | ✓                              |
| AC/DC compatibility              | AC compatibility only          |
| Soft-Start™                      | ✓                              |
| Restart protection               | ✓                              |
| DYNAMAX™ RPM monitoring          | ✓                              |
| POWERGUARD™ overheat protection  | ✓                              |
| LED indicator                    | ✓                              |
| DIALSPEED™ variable RPM selector | ✓                              |
| Spindle                          | 5/8" - 11                      |
| RPM no-load                      | 2,500 to 8,750                 |
| Amps                             | 12.2 A                         |
| Power                            | 1550 W                         |
| Weight                           | 7.7 lbs                        |
| Maximum wheel diameter           | 6"                             |

# TUBE / PIPE SANDER

## RAIL-MATE™

Remove welds and finish pipes, tubes and railings faster

This power tool allows you to use our premium abrasive products to finish pipes, tubes and railings. This powerful finishing tool features Soft-Start technology to avoid kickback when starting the tool, Dialspeed™ variable speed control and Dynamax™ RPM Monitoring to maintain consistent speed under load.



### RAIL-MATE™ SANDER SYSTEM

Order no. 30-A 289

#### Includes:

- 1 Rail-Mate sander
- 6 Coolcut XX belts (2 of each: grit 60, 14-X 156; grit 80, 14-X 158; grit 120: 14-X 162)
- 3 Blendex belts (1 of each grade: Coarse, 07-D 152; Medium 07-D 153; Fine 07-D 154)



| Description                      | RAIL-MATE™ SANDER SYSTEM |
|----------------------------------|--------------------------|
| Model name                       | 6288A                    |
| Order No.                        | 30-A 289                 |
| Lock-on switch                   | √                        |
| AC/DC compatibility              | AC compatibility only    |
| Soft-Start™                      | √                        |
| Restart protection               | √                        |
| DYNAMAX™ RPM monitoring          | √                        |
| POWERGUARD™ overheat protection  | √                        |
| LED indicator                    | √                        |
| DIALSPEED™ variable RPM selector | √                        |
| Spindle                          | 5/8" - 11                |
| RPM no-load                      | 1,600 to 3,200           |
| Surface speed                    | 3-12 m/sec.              |
| MAX belt size L x W              | 760 mm x 40 mm           |
| MAX pipe diameter                | 7 in. (180 mm)           |
| MAX polishing deg.               | 270°                     |
| Amps                             | 10A                      |
| Power                            | 1200 W                   |
| Tool weight                      | 6.8 lbs                  |
| QUICK-R™ front nut               | 30-B 020                 |

# DRUM SANDER

## QUICK-STEP LINE-MATE III™

Order no. 30-A 268



### Linear finishing made easy

The Line-Mate III™ is a versatile variable speed tool that allows you to quickly and easily apply a wide range of linear finishes to metal surfaces. Its powerful motor will help you complete even the toughest jobs with ease. RPM remains constant under load for a consistent and uniform finish every time. When you have a project that requires a linear scratch pattern applied to the surface, trust Line-Mate to get the job done quickly and efficiently.

### LINE-MATE III™ SYSTEM

Order no. 30-A 269

**Includes:**

- 1 Line-Mate III™ with standard equipment plus carrying case
- 1 pneumatic drum (07-F 051)
- 6 cloth drum belts (2 each grit: 60: 07-F 506, 80: 07-F 508 and 120: 07-F 511)
- 2 BLENDEX drum belts (Coarse: 07-H 502, medium: 07-H 503)
- 1 TWO-IN-ONE drum (4 ¼" x 4": 07-K 342)
- 1 BLENDEX drum (4 ¼" x 4" medium: 07-M 343)



| Description                      | QUICK-STEP LINE-MATE III™ |
|----------------------------------|---------------------------|
| Model name                       | 6268C                     |
| Order No.                        | 30-A 268                  |
| Lock-on switch                   | ✓                         |
| AC/DC compatibility              | AC only                   |
| Soft-Start™                      | ✓                         |
| Restart protection               | ✓                         |
| DYNAMAX™ RPM monitoring          | ✓                         |
| POWERGUARD™ overheat protection  | ✓                         |
| DIALSPEED™ variable RPM selector | ✓                         |
| Spindle                          | 5/8" - 11                 |
| RPM no-load                      | 1,000 to 3,800            |
| Amps                             | 12.4 A                    |
| Power                            | 1500 W                    |
| Weight                           | 6 lbs                     |
| Max. wheel dimensions            | 4 ½" diameter x 4" length |
| <b>Standard equipment</b>        |                           |
| Side handle                      | 48-Z 034                  |
| Manual clamping nut              | 30-B 037                  |
| Pin key wrench                   | 48-Z 148                  |
| Inner flange                     | 30-B 057                  |

# POINT GRINDER

## DIALSPEED™ 6141

Order no. 30-A 141

For fitting and finishing work

The convenient design of this very popular point grinder results in increased performance and operator comfort to let you reach new levels of productivity. Proven electronics and the quality construction of the motor deliver more power to the spindle while the ergonomic housing minimizes fatigue. This tool is the perfect companion to our premium carbide burs for any deburring or shaping applications.

|         |            |
|---------|------------|
| SPEED 1 | 10,000 rpm |
| SPEED 2 | 14,000 rpm |
| SPEED 3 | 18,500 rpm |
| SPEED 4 | 22,000 rpm |
| SPEED 5 | 26,000 rpm |
| SPEED 6 | 30,500 rpm |



| Description                      | DIALSPEED™ 6141       |
|----------------------------------|-----------------------|
| Model name                       | 6141E                 |
| Order No.                        | 30-A 141              |
| Lock-on switch                   | √                     |
| AC/DC compatibility              | AC compatibility only |
| Soft-Start™                      | √                     |
| Restart protection               | √                     |
| DYNAMAX™ RPM monitoring          | √                     |
| POWERGUARD™ overheat protection  | √                     |
| DIALSPEED™ variable RPM selector | √                     |
| Collet                           | ¼"                    |
| RPM no-load                      | 10,000 to 30,500      |
| Amps                             | 6.4 A                 |
| Power                            | 710 W                 |
| Tool weight                      | 4.2 lbs               |
| Tool length                      | 13.75"                |
| Maximum wheel diameter           | 1.5"                  |
| <b>Standard equipment</b>        |                       |
| ¼ 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

For finishing, brushing and polishing work

Our Dialspeed™ Straight Grinder operates at a lower RPM range, making it the perfect companion for mounted flap wheels or wire brushes for brushing, finishing or polishing applications. The newly designed planetary gears allow you to get closer to the workpiece, producing a uniform and straight finish. This industrial power tool is built to last and also features a side handle for increased control in applications requiring a delicate touch.



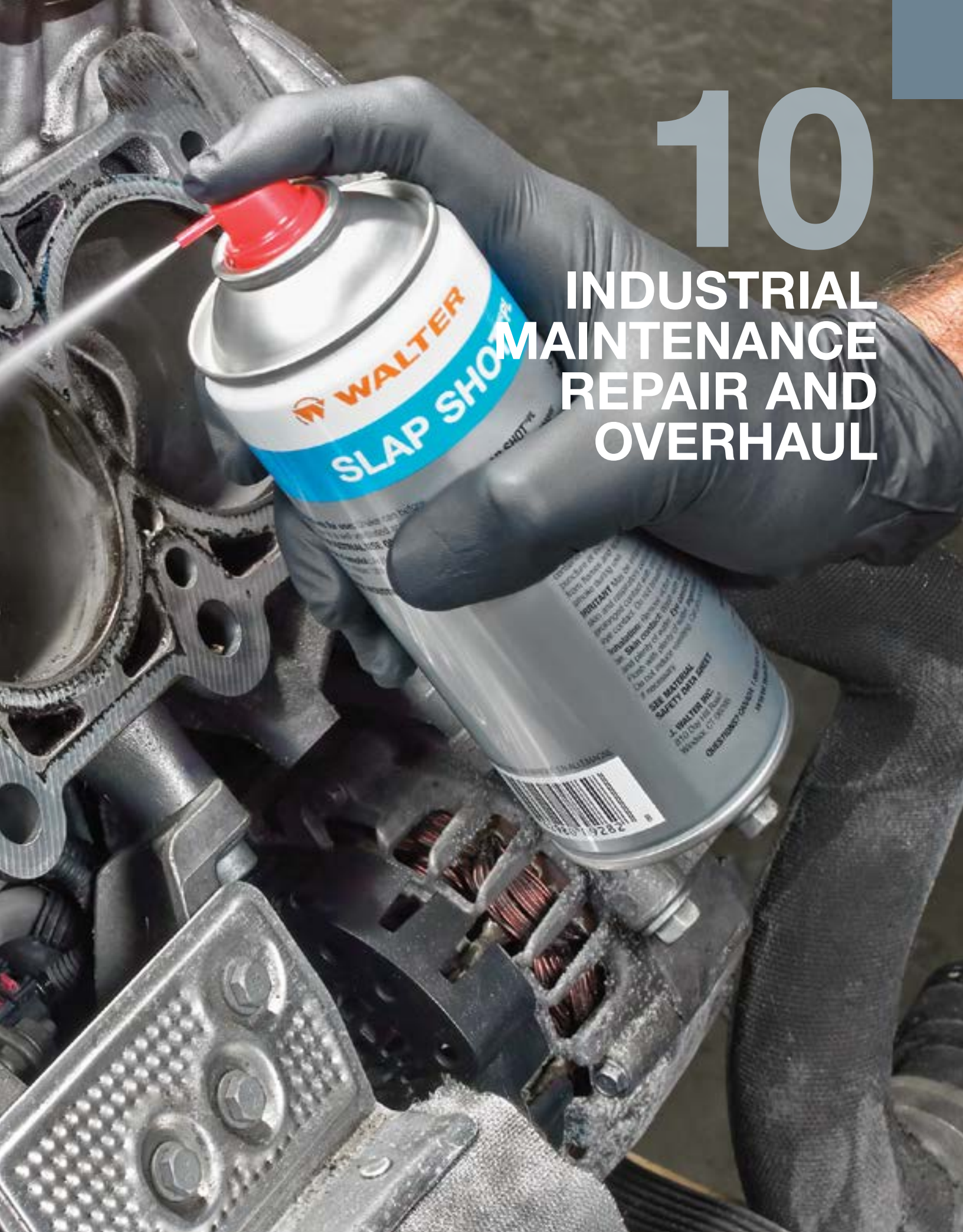
|         |           |
|---------|-----------|
| SPEED 1 | 2,500 rpm |
| SPEED 2 | 4,000 rpm |
| SPEED 3 | 5,500 rpm |
| SPEED 4 | 7,000 rpm |
| SPEED 5 | 8,000 rpm |
| SPEED 6 | 8,700 rpm |

| Description                      | DIALSPEED™ STRAIGHT GRINDER 6145 |
|----------------------------------|----------------------------------|
| Model name                       | 6145E                            |
| Order No.                        | 30-A 145                         |
| Lock-on switch                   | ✓                                |
| AC/DC compatibility              | AC compatibility only            |
| Soft-Start™                      | ✓                                |
| Restart protection               | ✓                                |
| DYNAMAX™ RPM monitoring          | ✓                                |
| POWERGUARD™ overheat protection  | ✓                                |
| DIALSPEED™ variable RPM selector | ✓                                |
| Collet                           | ¼"                               |
| RPM no-load                      | 2,500 to 8,700                   |
| Amps                             | 8.5 A                            |
| Power                            | 950 W                            |
| Tool weight                      | 4.3 lbs                          |
| Tool length                      | 14"                              |
| Maximum wheel diameter           | 1.5"                             |
| <b>Standard equipment</b>        |                                  |
| Side handle                      | 48-L 555                         |
| ¼ collet                         | 30-B 046                         |
| Spanner                          | 48-Z 019                         |
| <b>Optional equipment</b>        |                                  |
| Cutting guard                    | 30-B 051                         |



# 10

## INDUSTRIAL MAINTENANCE REPAIR AND OVERHAUL



# FAST EVAPORATING CLEANING AND DEGREASING

AF-PL™ is a system with a base unit that automatically dispenses AF-PL™ liquid cleaner and compressed air into refillable spray cans. Save money by buying your cleaner in bulk and reduce costs associated with the disposal of aerosol cans, all while reducing your environmental impact.



## Air Force AF-PL™

Plastic-safe, fast-evaporating parts degreaser  
AF-PL™ is a residue-free, fast-evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime safely and effectively. Specially formulated for maximum compatibility with plastics and rubber-like compounds. Bulk packaging provides great cost-effectiveness.



| Description             | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------------------|--------|-------------|-----------|--------|-----------|
|                         | Metric | US Gal      |           |        |           |
| Liquid, trigger sprayer | 500 ml | 16.9 fl.oz. | 53-C 553  | L-65   | 12        |
| Liquid                  | 5 L    | 1.3 gal     | 53-C 556  | L-65   | 1         |
| Liquid                  | 20 L   | 5.2 gal     | 53-C 557  | L-65   | 1         |
| Liquid                  | 200 L  | 52.8 gal    | 53-C 558  | L-65   | 1         |

### ACCESSORIES

|  |                    |
|--|--------------------|
| Industrial pump sprayer for SC 400, PRO CLEAN, CB 100, AF-PL, FT 100 and OMNI. | Order no. 53-L 120 |
| Spout for 20 L round metal pail and 200L metal drum 3/4" NPT                   | 53-L 208           |

### Applications

- ▷ *Cleaning metal parts in presence of plastic or gaskets*
- ▷ *Removal of grease and oil*

### Benefits

- ▷ *Eliminates aerosol disposal costs*
- ▷ *Reduces environmental impact*
- ▷ *Improves sustainability*

### Features

- ▷ *Cost-effective brake cleaner alternative*
- ▷ *Safe for most plastics and rubber compounds*
- ▷ *Non-chlorinated solvents penetrate and displace moisture*
- ▷ *Evaporates fast—no residues, no rinsing*

## AIR FORCE AF-PL™ START-UP PACKAGES

### Air Force AF-PL™ 20 L / 5.3 gal.

The start-up package includes:

- ▷ 1 x 53-C 557 AF-PL 20 L / 5.3 gal. pail
- ▷ 1 x 53-M 041 pail adaptor
- ▷ 6 x 53-M 101 refillable bottle
- ▷ 6 x 53-M 054 variable spray valve

Order no.: 53-M 012AFPLP



### Air Force AF-PL™ 200 L / 52.8 gal.

The start-up package includes:

- ▷ 1 x 53-C 558 AF-PL 200 L / 52.8 gal. drum
- ▷ 1 x 53-M 038 drum adaptor
- ▷ 1 x 53-M 025 safety valve
- ▷ 6 x 53-M 101 refillable bottle
- ▷ 6 x 53-M 054 variable spray valve

Order no.: 53-M 012AFPLD



### AF-PL™

Refillable sprayer

Durable and light weight aluminum AF-PL sprayer comes with an AF-PL specific label to clearly identify the contents and ensure full WHMIS and OSHA compliance.

**Fill capacity:** 400 ml / 13.5 oz

**Operating pressure:** 90 - 125 psi

Order no. 53-M 101



| Optional nozzles  | Order No. |
|---|-----------|
| Wide spray  | 53-M 022  |
| Long extension tube   | 53-M 052  |
| Variable spray  | 53-M 054  |
| Accessories   | Order No. |
| Air refilling station   | 53-M 010  |
| Air nozzle  | 53-M 015  |
| Replacement valve kit<br>(includes 2 valves and 2 spray tips) | 53-M 030  |
| Brass screw cap   | 53-M 037  |
| Replacement filling valve                                     | 53-M 039  |
| Pail adaptor  | 53-M 041  |
| Drum adaptor  | 53-M 038  |
| Safety valve  | 53-M 025  |



*No more disposing  
of hazardous  
aerosol cans*



53-M 010

# FAST EVAPORATING CLEANING AND DEGREASING

## SLAP SHOT™

Fast evaporating degreaser

SLAP SHOT™ is a highly effective, residue-free, fast evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime on contact. **NSF category K1, registration #154299 (Aerosol) #154300 (Liquid)**

### Applications

- ▷ *Cleaning and degreasing for maintenance and repair*
- ▷ *Preparing surfaces for painting or relubrication*

| Description             | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------------------|--------|-------------|-----------|--------|-----------|
|                         | Metric | US Gal      |           |        |           |
| Aerosol                 | 500 ml | 16.9 fl.oz. | 53-C 502  | L-39   | 12        |
| Liquid, trigger sprayer | 500 ml | 16.9 fl.oz. | 53-C 503  | L-40   | 12        |
| Liquid                  | 5 L    | 1.3 gal     | 53-C 506  | L-40   | 1         |
| Liquid                  | 20 L   | 5.2 gal     | 53-C 507  | L-40   | 1         |
| Liquid                  | 200 L  | 52.8 gal    | 53-C 508  | L-40   | 1         |

| ACCESSORIES  | Order no. |
|--|-----------|
| Spout for 20 L round metal pail and 200L metal drum 3/4" NPT | 53-L 208  |
| Refillable trigger sprayer bottles                           | 53-L 311  |

## SLAP SHOT™ PL

Plastic safe fast evaporating degreaser

SLAP SHOT™ PL is a highly effective, residue-free, fast evaporating cleaner/degreaser that dissolves and removes grease, oil, and grime on contact. Specially formulated for maximum compatibility with plastics and rubber-like compounds.

### Applications

- ▷ *Cleaning metal parts in presence of plastic or gaskets*
- ▷ *Removal of grease and oil*

| Description | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|-------------|-----------|--------|-----------|
|             | Metric | US Gal      |           |        |           |
| Aerosol     | 400 ml | 13.5 fl.oz. | 53-C 552  | L-64   | 12        |



### Benefits

- ▷ *Fast acting—dissolves stubborn contaminants quickly and completely*
- ▷ *No residues, no rinsing*

### Features

- ▷ *Versatile*
- ▷ *Safe on all metals*
- ▷ *Free of chlorinated solvent*
- ▷ *Strong aerosol jet*



### Benefits

- ▷ *Fast acting—dissolves stubborn contaminants quickly and completely*
- ▷ *No residues, no rinsing*

### Features

- ▷ *Multipurpose*
- ▷ *Safe on all metals and most plastics and rubber compounds*
- ▷ *Free of chlorinated solvent*
- ▷ *Strong aerosol jet*

# ELECTRONIC CONTACT CLEANING

## CONTACT CLEAN™

Non-flammable electronics and electrical equipment cleaner

Contact Clean™ removes grease, oil, and contaminants from sensitive electronics and electrical equipment to prevent contact failure. Fast-evaporating formula dries residue-free in seconds. Safe to use on most plastics.

**NSF category K2, registration #154540**



Rubber Plastic

| Description | Size   |        | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|--------|-----------|--------|-----------|
|             | Metric | US Gal |           |        |           |
| Aerosol     | 340 g  | 12 oz. | 53-C 712  | L-165  | 12        |

### Applications

- ▷ Removing contaminants from electrical parts
- ▷ Instrument and equipment junction cleaning (PLCs, printed circuit boards, vehicle fuse boxes)

### Benefits

- ▷ Fast acting – dissolves stubborn contaminants quickly and completely
- ▷ Fast evaporating
- ▷ No residues, no rinsing

### Features

- ▷ Safely cleans most plastics and rubber compounds
- ▷ Strong aerosol jet
- ▷ Nonconductive
- ▷ VOC compliant (per CARB 310)



# FOOD GRADE LUBRICANTS

## FOOD ZONE™

Food grade general purpose lubricant  
 FOOD ZONE™ is a multipurpose lubricant and penetrating oil developed for food industry manufacturing plants. Extends equipment life by protecting against friction, wear, and corrosion.  
**NSF category H1, registration #148372**

### Applications

- ▷ Lubrication and temporary corrosion protection of food and beverage processing equipment
- ▷ Loosening of rust, scale, grime, and corrosion

| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 13.5 oz. | 53-D 602  | L-153  | 12        |



### Benefits

- ▷ Lubricates and protects
- ▷ Displaces moisture and water
- ▷ Loosens rusted parts

### Features

- ▷ Fast-penetrating oil leaves a thin protective film
- ▷ Multipurpose

## FOOD ZONE™ V

High viscosity food grade lubricant  
 FOOD ZONE™ V is an industrial-strength lubricant designed for heavy-duty applications and chain lubrication in food-manufacturing facilities. Foamy, non-drying formula adheres to surfaces and reduces friction, wear, and corrosion in heavy-loaded machinery.  
**NSF category H1, registration #148374**

### Applications

- ▷ Lubrication of chains and conveyor systems
- ▷ Lubrication of moving parts in heavy-loaded industrial machinery

| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 13.5 oz. | 53-D 652  | L-154  | 12        |



### Benefits

- ▷ Easy to apply
- ▷ Maximum adherence
- ▷ Protects against wear and corrosion

### Features

- ▷ Heavy-duty, high-grade formula with PTFE additives
- ▷ Thick, non-drying, water-resistant film
- ▷ Ideal for vertical surfaces

# INDUSTRIAL LUBRICANTS

## OPEN GEAR™

High-load drive lubricant

OPEN GEAR™ is an adherent, long-lasting, high-load gear grease that prevents metal-to-metal contact. Increases efficiency and service life of drives and gears—even in harsh environments.

### Applications

- ▷ All types of heavy-duty chains, drives, and gears



All Metals

| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 13.5 oz. | 53-E 102  | L-16   | 12        |

### Benefits

- ▷ Excellent lubrication under tremendous load and in harsh environments
- ▷ Won't fly off gears
- ▷ Extends machine life
- ▷ Minimizes downtime

## CHAIN GANG™

High load chain lubricant

CHAIN GANG™ is a high-performance synthetic lubricant that lasts longer than traditional lubricants. Effectively penetrates fine pins and bushings to seal out dust, dirt, water, and other contaminants. Provides excellent protection and enhances the life of any machinery that uses chains or wire cables.

### Applications

- ▷ All types of chain drives, O-ring chains, and wire rope
- ▷ Machinery (especially forklifts)



All Metals

| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 13.5 oz. | 53-D 102  | L-05   | 12        |

### Benefits

- ▷ Reduces costly downtime due to seized chains, pin breakage, and premature wear
- ▷ Stays cleaner and lasts longer than hot grease dips
- ▷ Requires fewer applications than other lubricants
- ▷ Prolongs chain life



### Features

- ▷ Contains moly and EP additives for high-load lubrication
- ▷ Highly adhesive
- ▷ Water- and dirt-resistant
- ▷ Resists loads up to 90 000 lbs/in<sup>2</sup>



### Features

- ▷ Contains microscopic moly particles for excellent lubricity
- ▷ Penetrates fine clearances
- ▷ Water-resistant and dust-resistant
- ▷ Repels dirt particles

## HANG-ON™

Adhesive lubricant

HANG-ON™ is a highly adhesive maintenance lubricant that provides effective, long-lasting lubrication under harsh conditions and over extended periods of time.

### Applications

- ▷ Forklift truck chains, locking pins, snowplows, hinges, etc.
- ▷ Differentials in coupling units



| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 13.5 oz. | 53-D 812  | L-33   | 12        |
| Liquid      | 20 L   | 5.2 gal  | 53-D 817  | L-45   | 1         |

| ACCESSORIES                        | Order no. |
|------------------------------------|-----------|
| Refillable trigger sprayer bottles | 53-L 331  |



### Benefits

- ▷ Outperforms and lasts longer than all-purpose and standard thin-film lubricants
- ▷ Resists exposure to weather, salt water, mild chemicals, high loads, and temperatures up to 200 °C (390 °F)
- ▷ Doesn't drip or stain vertical surfaces
- ▷ Efficient, long-lasting action reduces downtimes and maintenance frequencies

### Features

- ▷ Silicone-free, no chlorinated solvent
- ▷ Adheres extremely well to surfaces
- ▷ Penetrates fine clearances
- ▷ Displaces water and moisture

## BOLT-OUT™

Penetrating lubricant

BOLT-OUT™ is a heavy-duty, non-chlorinated liquid solution that penetrates and lubricates to efficiently free seized parts while inhibiting further rust. Works well in a wide range of temperatures.

### Applications

- ▷ Loosening seized bolts, nuts, studs, and pins
- ▷ Disassembly of seized bolts, nuts, mechanisms, pins, bushings, etc.



| Description             | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------------------|--------|-------------|-----------|--------|-----------|
|                         | Metric | US Gal      |           |        |           |
| Aerosol                 | 400 ml | 13.5 oz.    | 53-D 892  | L-08   | 12        |
| Liquid, trigger sprayer | 500 ml | 16.9 fl.oz. | 53-D 893  | L-26   | 12        |
| Liquid                  | 20 L   | 5.2 gal     | 53-D 897  | L-26   | 1         |

| ACCESSORIES                        | Order no. |
|------------------------------------|-----------|
| Refillable trigger sprayer bottles | 53-L 332  |



### Benefits

- ▷ Enables faster, easier disassembly
- ▷ Prevents/protects against further corrosion

### Features

- ▷ Nonflammable, silicone-free, no chlorinated solvents
- ▷ Contains microscopic moly particles for excellent lubricity
- ▷ Displaces moisture
- ▷ Effective from -20 °C to 250 °C (-4 °F to 482 °F)



## COLD SHOCK™

Seized parts are no match for fast penetrating Cold Shock™

Cold Shock™ is a high tech lubricant that frees corroded and seized parts by creating a sudden, shock-freezing effect to -35°C (-31°F). Cold Shock™ penetrates micro-fissures to loosen nuts, bolts, studs, pins and other seized parts in an instant.

### Applications

- ▷ For use on corroded and seized nuts, bolts, studs, pins and other components.

### Benefits

- ▷ Loosens corroded and seized parts through cooling
- ▷ Powerful 1 to 2-minute penetration time

| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 13.5 oz. | 53-D 882  | L-98   | 12        |



### Features

- ▷ Decreases parts temperatures to -35°C (-31°F)
- ▷ Shock-effect lubricant
- ▷ Straw extension for precise targeting

## ROCK'N ROLL™

Ceramic anti-seize lubricant

ROCK'N ROLL™ is an inert, non toxic, metal-free white lubricant that prevents seizing of assemblies. Provides long-term protection against corrosion. Highly effective in a wide range of temperatures (-30C or -22°F to 1400C or 2500°F) and in extreme conditions.

### Applications

- ▷ Lubrication of all threaded components, bushings, and press fits
- ▷ Lubrication of highly stressed bearings



### Benefits

- ▷ Makes disassembly easy and efficient
- ▷ Provides long-term corrosion protection
- ▷ No galling or seizing
- ▷ Safe for food industry applications

### Features

- ▷ Inert ingredients
- ▷ Non-carbonizing
- ▷ (Paste) highly resistant to water, seawater, benzene, and most acids and alkalis

| Description | Size     |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|----------|----------|-----------|--------|-----------|
|             | Metric   | US Gal   |           |        |           |
| Aerosol     | 400 ml   | 13.5 oz. | 53-D 852  | L-43   | 12        |
| Paste/Brush | 255.15 g | 9 oz.    | 53-D 854  | L-44   | 12        |



## ALUCUT™

Solid stick aluminum cutting lubricant

Alucut™ is a high-performance lubricant that extends cutting tool life. Specially formulated for use with aluminum and other non-ferrous metals.

### Applications

- ▷ Cutting with circular chop saws
- ▷ Drilling

### Benefits

- ▷ Reduces scoring and chatter marks
- ▷ Improves finish
- ▷ Increases productivity
- ▷ Minimizes waste



| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Solid stick | 300 g  | 10.5 oz. | 53-B 303  | L-04   | 12        |

## STAINLESSCUT™

Stainless steel cutting lubricant

STAINLESSCUT™ is a heavy-duty cutting lubricant designed for tough metal cutting operations. Formulated for stainless steel, alloys, and ferrous alloys.

### Applications

- ▷ Machining operations
- ▷ Drilling

### Benefits

- ▷ Washes off completely with water
- ▷ Easy clean-up
- ▷ Improves finish to prolong tool life



| Description           | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------------|--------|-------------|-----------|--------|-----------|
|                       | Metric | US Gal      |           |        |           |
| Aerosol               | 312 g  | 11 oz.      | 53-B 202  | L-53   | 12        |
| Liquid/Squeeze bottle | 350 ml | 11.8 fl.oz. | 53-B 203  | L-114  | 12        |
| Liquid                | 3.78 L | 1 gal       | 53-B 205  | L-114  | 1         |



### Features

- ▷ Clean, precise, stain-free application
- ▷ Coats cutting edge or workpiece
- ▷ Ideal for inclined, vertical, and overhead surfaces



### Features

- ▷ Contains extreme pressure additives (EP)
- ▷ Solvent-free, sulfur-free, and chlorine-free
- ▷ High lubricity and cooling properties
- ▷ Non hazardous

## ICECUT™

Ready-to-use coolant/lubricant

ICECUT™ is a ready-to-use coolant/lubricant specially formulated for use with magnetic drilling units to reduce tool wear and improve production rates.

### Applications

- ▷ *Drilling with annular cutters, carbide core cutters, and drill bits*



| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|---------|-----------|--------|-----------|
|             | Metric | US Gal  |           |        |           |
| Liquid      | 3.78 L | 1 gal   | 53-C 055  | L-122  | 1         |
| Liquid      | 20 L   | 5.2 gal | 53-C 057  | L-122  | 1         |

### ACCESSORIES

Spout for 20 L square plastic pail

**Order no.**  
53-L 207

## TAPCUT™

Thread cutting lubricant

TAPCUT™ lubricant is specially formulated for thread cutting with taps and dies.

### Applications

- ▷ *Hand tapping*
- ▷ *Machine tapping*



| Description           | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------------|--------|-------------|-----------|--------|-----------|
|                       | Metric | US Gal      |           |        |           |
| Liquid/Squeeze bottle | 350 ml | 11.8 fl.oz. | 53-A 103  | L-115  | 12        |
| Liquid                | 3.78 L | 1 gal       | 53-A 105  | L-115  | 1         |
| Liquid                | 20 L   | 5.2 gal     | 53-A 107  | L-115  | 1         |

### ACCESSORIES

Spout for 20 L square plastic pail

**Order no.**  
53-L 207



### Benefits

- ▷ *Reduces friction and heat*
- ▷ *Extends cutting tool life*
- ▷ *Increases productivity*
- ▷ *Improves finish*

### Features

- ▷ *Nitrate-free, amine-free, boron-free, phenol-free and active sulfur-free*



### Benefits

- ▷ *Taps and dies cut faster and last longer*
- ▷ *Cleans up easily with water*

### Features

- ▷ *Special antiwear additives for thread cutting*
- ▷ *Produces clean, accurate threads*
- ▷ *Non hazardous*

# CORROSION PROTECTION

## ZINC 100™

Bright galvanizing spray

ZINC 100™ is a bright, long-lasting corrosion protection spray specially formulated for the touch-up and repair of hot galvanized parts.

### Applications

- ▷ Food processing equipment
- ▷ Water and storage tanks

### Benefits

- ▷ Effective, long-lasting corrosion protection
- ▷ Resists chemical and water attack
- ▷ Can be painted over



| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 11.5 oz. | 53-H 102  | L-54   | 12        |



### Features

- ▷ Zinc flakes permanently bond to metallic surfaces
- ▷ Bright metallic finish matches hot dipped look
- ▷ Fast drying
- ▷ Zinc-rich formula meets ASTM A780 standard

## ZINC 200™

Cold galvanizing spray

ZINC 200™ is a high-performance, fast-drying corrosion protection spray specially formulated for ferrous metals. Provides the ultimate protection—even when surfaces get scratched.

### Applications

- ▷ Marine equipment
- ▷ Weather-exposed parts

### Benefits

- ▷ Longest lasting corrosion protection in the marketplace
- ▷ Extremely effective when used as a primer
- ▷ Withstands harsh environmental conditions



| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 11.5 oz. | 53-H 152  | L-95   | 12        |



### Features

- ▷ Actively fights rust & corrosion
- ▷ Dual-action protection (resin coat and galvanic action)
- ▷ Meets ASTM A780
- ▷ Dull finish, dries to touch in 3-5 min.

## SHIELD PRO™

Heavy-duty industrial corrosion protection

SHIELD PRO™ is an adherent, non-drying solution that coats metal parts to protect against corrosion. Ideal for indoor and outdoor storage.

### Applications

- ▷ Corrosion protection of outdoor equipment and tools, overseas storage and shipments, cables, chains, pulleys, pump and hose assemblies, and more
- ▷ Suitable for all types of maintenance and repair applications

### Benefits

- ▷ Long-term indoor and outdoor corrosion protection
- ▷ Withstands harsh conditions

### Features

- ▷ Non-drying film
- ▷ Penetrates and displace moistures
- ▷ Salt water resistant



| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Liquid      | 3.78 L | 1 gal    | 53-H 255  | L-170  | 1         |
| Liquid      | 20 L   | 5.2 gal  | 53-H 257  | L-170  | 1         |
| Liquid      | 200 L  | 52.8 gal | 53-H 258  | L-170  | 1         |

### ACCESSORIES

Spout for 20 L round metal pail and 200 L metal drum 53-L 208  
3/4" NPT

# CUTTING FLUIDS

## COOLCUT™

Metal cutting lubricant

Coolcut™ is a ready-to-use, high-performance metal cutting lubricant that stands up to pressure and heat to reduce tool wear and prevent tool breakage.

### Applications

- ▷ Machining operations
- ▷ Drilling



| Description           | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------------|--------|-------------|-----------|--------|-----------|
|                       | Metric | US Gal      |           |        |           |
| Aerosol               | 312 g  | 11 oz.      | 53-B 002  | L-01   | 12        |
| Solid stick           | 300 g  | 300 g       | 53-B 013  | L-22   |           |
| Liquid/Squeeze bottle | 350 ml | 11.8 fl.oz. | 53-B 003  | L-09   | 12        |
| Sprayer               | 500 ml | 16.9 oz.    | 53-B 004  | L-09   | 12        |
| Liquid                | 3.78 L | 1 gal       | 53-B 005  | L-09   | 1         |
| Liquid                | 20 L   | 5.2 gal     | 53-B 007  | L-09   | 1         |
| Liquid                | 208 L  | 55 gal      | 53-B 008  | L-09   | 1         |

### ACCESSORIES

|                                       |                    |
|---------------------------------------|--------------------|
| Spout for 20 L square plastic pail    | Order no. 53-L 207 |
| Spout for 208 L plastic drum 2" NPT   | Order no. 53-L 209 |
| Spout for 208 L plastic drum 3/4" NPT | Order no. 53-L 210 |



### Benefits

- ▷ Reduces friction and heat
- ▷ Extends cutting tool life
- ▷ Improves finish
- ▷ Increases productivity

### Features

- ▷ Contains extreme pressure additives (EP)
- ▷ Suitable for all ferrous and non-ferrous metals
- ▷ Non hazardous, biodegradable
- ▷ Free of solvents and chlorinated ingredients





# COOLCUT™ METALWORKING FLUIDS

*Innovative solutions  
for metalworking and  
machining operations*

## BETTER PERFORMANCE AND PRODUCTIVITY

Walter Surface Technologies COOLCUT™ cutting fluids can be used for almost any metalworking process. All of our products, from machine tool lubricants to water miscible coolants, special additives and corrosion protection solutions, are designed to work together, minimizing interface problems and achieving the highest process efficiency.

- Water miscible coolants and neat cutting oils for machining with defined and non-defined cutting edges
- Spray mist lubricants for minimum quantity applications
- Forming lubricants with a variety of different formulations for sheet metal, tube and massive forming

### LIQUIDS AVAILABLE SIZES

Some products are available  
in 208 L (55 gal.) drums



## WATER MISCIBLE COOLANTS

Water miscible coolants for metalworking must meet a wide range of technical requirements to achieve best possible machining results and smooth operation. All Walter COOLCUT™ lubricants meet or exceed requirements to ensure:

### Features

- Cutting performance for long tool life and optimal workpiece finish
- Corrosion protection for machine parts and workpieces
- Compatibility with sensitive materials for components without staining
- Stability and flushing action for clean machines and parts
- Low foaming even with high cooling lubricant pressure

## COOLCUT™ 150

Very finely dispersed semisynthetic lubricant for circular and flat grinding and for light machining

COOLCUT™ 150 is a water miscible coolant for light to medium duty machining without high lubricity demands. It is most suited for steels and cast iron.



### Features

- ▷ Semisynthetic
- ▷ Free of secondary amines
- ▷ Formaldehyde-free

### Benefits

- ▷ Applicable for a wide range of water hardness

| Name         | Product Number | Size   |
|--------------|----------------|--------|
| COOLCUT™ 150 | 58-A 157       | 20 L   |
| COOLCUT™ 150 | 58-A 158       | 200 L  |
| COOLCUT™ 150 | 58-A 159       | 1000 L |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
|      | •      | •       | •       | •       | •        |

• Preferred • Qualified

### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding

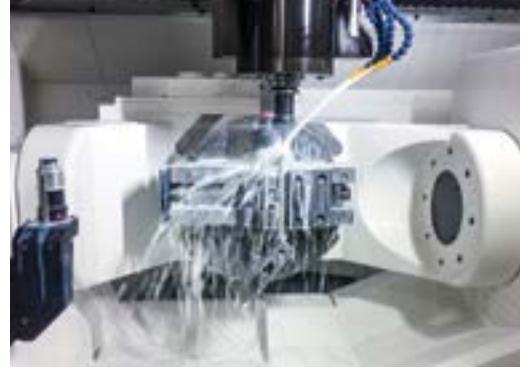
### Materials

- Steels
- Cast iron
- Yellow metals



## COOLCUT™ 250

Very finely dispersed semisynthetic for grinding and for light- to medium-duty machining



COOLCUT™ 250 is a water miscible coolant for metal cutting processes on individual machine tools as well as centralized systems. Superior washing action ensures safe chip removal, perfect cooling, and clean working spaces. When it comes down to price, COOLCUT™ 250 offers an exceptional value.

### Features

- ▷ Formaldehyde-free
- ▷ Semisynthetic
- ▷ Free of secondary amines

### Benefits

- ▷ Good grinding performance
- ▷ Ideal price-to-performance ratio

| Name         | Product Number  | Size          |
|--------------|-----------------|---------------|
| COOLCUT™ 250 | <b>58-A 257</b> | <b>20 L</b>   |
| COOLCUT™ 250 | <b>58-A 258</b> | <b>200 L</b>  |
| COOLCUT™ 250 | <b>58-A 259</b> | <b>1000 L</b> |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
|      |        | ●       | ●       | ●       | ●        |

● Preferred   ● Qualified

### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding

### Materials

- Cast iron
- Steels
- Aluminum
- Yellow metals

## COOLCUT™ 200 BF

Boron-free coolant for grinding and cutting operations



COOLCUT™ 200 BF is a very safe coolant that offers a great price to performance ratio. It's good washing action ensures a clean working area. This coolant is especially suitable for grinding processes as well as all medium-cutting operations like drilling and milling.

### Features

- ▷ Semisynthetic
- ▷ Boron-, Bactericide-, and Monoethanolamine (MEA)-free

### Benefits

- ▷ Very finely dispersed emulsion
- ▷ Excellent grinding performance
- ▷ Perfect price-to-performance ratio

| Name            | Product Number  | Size          |
|-----------------|-----------------|---------------|
| COOLCUT™ 200 BF | <b>58-A 295</b> | <b>3.78 L</b> |
| COOLCUT™ 200 BF | <b>58-A 297</b> | <b>20 L</b>   |
| COOLCUT™ 200 BF | <b>58-A 298</b> | <b>200 L</b>  |
| COOLCUT™ 200 BF | <b>58-A 299</b> | <b>1000 L</b> |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
|      | ●      | ●       | ●       | ●       | ●        |

● Preferred   ● Qualified

### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ 400 U



Universal semisynthetic cooling lubricant, used for medium-duty machining and for grinding. Best solution for aluminum

COOLCUT™ 400 U is universally applicable for use in medium-severe cutting and grinding processes. It is suitable when processing mixed materials (cast iron, steels, yellow metals and aluminum). Its superior washing action ensures a clean working area.

### Features

- ▷ Bactericide-free
- ▷ Semisynthetic

### Benefits

- ▷ Very versatile

| Name          | Product Number  | Size          |
|---------------|-----------------|---------------|
| COOLCUT™ 400U | <b>58-A 507</b> | <b>20 L</b>   |
| COOLCUT™ 400U | <b>58-A 508</b> | <b>200 L</b>  |
| COOLCUT™ 400U | <b>58-A 509</b> | <b>1000 L</b> |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
|      | ●      | ●       | ●       | ●       | ●        |

● Preferred   ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Threading tapping
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ 500 BF



Boron-free lubricant for severe machining processes

COOLCUT™ 500 BF offers excellent performance in extreme pressure conditions. Its special technology allows to work under severe conditions without costly extreme pressure (EP) additives. It is particularly suited for processes on high tensile materials like stainless steels and titanium grades.

### Features

- ▷ Boron and bactericides-free

### Benefits

- ▷ Extraordinary cutting performance for optimal tool life and surfaces
- ▷ Compatible with a variety of materials, particularly sensitive aluminum alloys
- ▷ Low foaming

| Name           | Product Number  | Size          |
|----------------|-----------------|---------------|
| COOLCUT™ 500BF | <b>58-A 597</b> | <b>20 L</b>   |
| COOLCUT™ 500BF | <b>58-A 598</b> | <b>200 L</b>  |
| COOLCUT™ 500BF | <b>58-A 599</b> | <b>1000 L</b> |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
|      | ●      | ●       | ●       | ●       | ●        |

● Preferred   ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT S-30™

Premium water miscible cutting lubricant

COOLCUT S-30™ is a ready-to-use, high-performance metal cutting lubricant specially designed for automatic and semiautomatic metal removing operations. For general machining.



### Features

- ▷ Contains non-chlorinated EP additives
- ▷ Bactericides-free
- ▷ High oil content

### Benefits

- ▷ Extraordinary cutting performance for optimal tool life and surfaces

| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|---------|-----------|--------|-----------|
|             | Metric | US Gal  |           |        |           |
| Liquid      | 3.78 L | 1 gal   | 53-C 005  | L-119  | 1         |
| Liquid      | 20 L   | 5.2 gal | 53-C 007  | L-119  | 1         |
| Liquid      | 208 L  | 55 gal  | 53-C 008  | L-119  | 1         |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
|      | ●      | ●       | ●       | ●       | ●        |

● Preferred   ● Qualified

### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding
- Gear hobbing

### Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Titanium

## COOLCUT™ S-50

Water-miscible cutting lubricant for high-pressure applications

COOLCUT™ S-50 is a high-performance metal cutting lubricant specially designed for automatic and semi-automatic metal removing operations, even in severe machining processes and high-pressure conditions. Ideal for hard-to-machine materials.



### Features

- ▷ Formulated with extended corrosion protection
- ▷ Free of bactericides
- ▷ Contains non-chlorinated EP additives

### Benefits

- ▷ Extends cutting tool life
- ▷ Works with pressures up to 1,100 psi

| Name          | Product Number  | Size          |
|---------------|-----------------|---------------|
| COOLCUT™ S-50 | <b>53-C 025</b> | <b>3.78 L</b> |
| COOLCUT™ S-50 | <b>53-C 027</b> | <b>20 L</b>   |
| COOLCUT™ S-50 | <b>53-C 028</b> | <b>200 L</b>  |
| COOLCUT™ S-50 | <b>53-C 029</b> | <b>1000 L</b> |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
| ●    | ●      | ●       | ●       | ●       | ●        |

● Preferred   ● Qualified

### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Broaching
- Surface and cylindrical grinding
- Profile grinding
- Gear hobbing

### Materials

- Steels
- Stainless steel
- Aluminum
- Titanium
- Hard metals

## COOLCUT™ SYN 400 BF

Water-soluble cooling lubricant for grinding and machining of steel and aluminum with high lubrication requirements



COOLCUT™ SYN 400 BF is the most technologically advanced coolant on the market. This coolant is designed for severe grinding and cutting operations with high lubricity demand. It is most suitable for aluminum alloys of all kinds including sensitive aerospace alloys. It is also suitable for steels, stainless steels, titanium, yellow metals and other materials suitable for work with ferrous materials and glass.

### Features

- ▷ Mineral oil-free, fully synthetic
- ▷ Free of formaldehyde, boron and secondary amines

### Benefits

- ▷ Slightly hazy, colorless solution
- ▷ High lubricity for severe operations
- ▷ 30% longer sump life vs most coolants

| Name                | Product Number  | Size         |
|---------------------|-----------------|--------------|
| COOLCUT™ SYN 400 BF | <b>58-A 407</b> | <b>20 L</b>  |
| COOLCUT™ SYN 400 BF | <b>58-A 408</b> | <b>200 L</b> |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
| ●    |        |         |         |         |          |

● Preferred ● Qualified

## COOLCUT™ SYN GRIND

Water-soluble cooling lubricant for circular and flat grinding of ferrous metals



COOLCUT™ SYN GRIND is specially designed for grinding operations. It is most suitable for work with ferrous materials and glass.

### Features

- ▷ Fully synthetic
- ▷ Free from secondary amines
- ▷ Long coolant life, even in poor conditions

### Benefits

- ▷ Colorless solution
- ▷ Excellent grinding performance
- ▷ Ideal price-to-performance ratio

| Name               | Product Number  | Size         |
|--------------------|-----------------|--------------|
| COOLCUT™ SYN GRIND | <b>58-A 707</b> | <b>20 L</b>  |
| COOLCUT™ SYN GRIND | <b>58-A 708</b> | <b>200 L</b> |

### Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
|      | ●      | ●       | ●       | ●       |          |

● Preferred ● Qualified



### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching
- Surface and cylindrical grinding
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Titanium
- Glass ceramics



### Processes

- Surface and cylindrical grinding

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Titanium
- Glass ceramics

# COOLCUT™ SYN SSK-H7



High performance, fully synthetic water miscible coolant for carbide grinding

COOLCUT™ SYN SSK-H7 is designed for grinding operations, and performs exceptionally well for grinding carbide. The high content of cobalt inhibitors prevent cobalt leaching and the “blue-ing” of the coolant.

## Features

- ▷ Fully synthetic
- ▷ Boron and amine free
- ▷ Loaded with cobalt inhibitors to prevent leaching

## Benefits

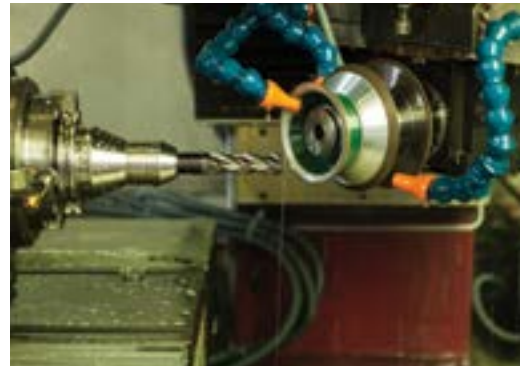
- ▷ Clear grinding solution
- ▷ Exceptional grinding performance
- ▷ No sticky residues
- ▷ No accumulation of cobalt when grinding carbide

| Name                | Product Number  | Size  |
|---------------------|-----------------|-------|
| COOLCUT™ SYN SSK-H7 | <b>58-A 757</b> | 20 L  |
| COOLCUT™ SYN SSK-H7 | <b>58-A 758</b> | 200 L |

## Suitable for water hardness [PPM]:

| 0-30 | 40-100 | 110-180 | 190-360 | 370-720 | 730-1080 |
|------|--------|---------|---------|---------|----------|
| ●    | ●      | ●       | ●       | ●       | ●        |

● Preferred ● Qualified



## Processes

- Surface and cylindrical grinding

## Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals
- Carbide



# NEAT CUTTING OILS

When your application demands higher lubricating action than cooling capacity, non-water miscible, neat cutting oils are effective alternatives to water-mixed lubricants. For any specific application, achieving optimal performance with these cutting oils depends on their viscosity as well as the content and effectiveness of their active additives.

The Walter COOLCUT™ NEO product range covers the entire bandwidth of viscosities, starting with low viscosity finish oils at approximately 3 mm<sup>2</sup>/s (40 °C/104 °F) to higher viscosity oils up to approximately 100 mm<sup>2</sup>/s (40 °C/104 °F) for the most difficult broaching operations. Using high-quality base oils and modern additive technologies, Walter's COOLCUT™ solutions are optimal for modern machining processes.

## Features

- High cutting action for long tool life and good surfaces
- Low evaporation base oils reduce the risk of oil mist and fire hazards
- Will not irritate skin

## COOLCUT™

Metal cutting lubricant

COOLCUT™ is a ready-to-use, high-performance metal cutting lubricant that stands up to pressure and heat to reduce tool wear and prevent tool breakage.

### Features

- ▷ Contains extreme pressure EP additives
- ▷ Suitable for all ferrous and non-ferrous metals
- ▷ Non hazardous, biodegradable
- ▷ Free of solvents and chlorinated ingredients
- ▷ Viscosity= 42 mm<sup>2</sup>/s (40° C / 104° F)

### Benefits

- ▷ Reduces friction and heat
- ▷ Extends cutting tool life
- ▷ Improves finish
- ▷ Increases productivity



| Name     | Product Number | Size   |
|----------|----------------|--------|
| COOLCUT™ | 53-B 005       | 3.78 L |
| COOLCUT™ | 53-B 007       | 20 L   |
| COOLCUT™ | 53-B 008       | 208 L  |

### Processes

- Machining operations
- Drilling
- MQL systems

### Materials

- Steels
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ NEO AP

Cutting oil for machining with defined cutting edges



The COOLCUT™ NEO AP is a multifunction oil for medium-duty machining and cutting machine lubrication. COOLCUT™ NEO AP's chlorine free, chemically active, extreme pressure additives prevent buildup along the cutting edge, even on the most difficult materials such as stainless steel, nickel, and titanium alloys. These oils are suitable for severe cutting processes. They perform best with steels, stainless steels and aluminum. They may also be used in machining of copper alloys if workpieces are cleaned.

### Features

- ▷ Formulated with low-emission base oils plus effective extreme-pressure additives
- ▷ Adequate viscosity per process requirements
- ▷ Low-emission base oils
- ▷ Zinc-free, chlorine-free

### Benefits

- ▷ Optimal price-to-performance ratio
- ▷ Good cutting performance, long tool life
- ▷ Low fog and evaporation loss
- ▷ Low drag out
- ▷ Easy removal with aqueous or hydrocarbon cleaners

| Name            | Product Number  | Size          |
|-----------------|-----------------|---------------|
| COOLCUT™ NEO AP | <b>58-B 305</b> | <b>3.78 L</b> |
| COOLCUT™ NEO AP | <b>58-B 307</b> | <b>20 L</b>   |
| COOLCUT™ NEO AP | <b>58-B 308</b> | <b>200 L</b>  |

### Processes

- Turning
- Milling
- Gear hobbing
- Drilling
- Deep drilling
- Threading tapping
- Broaching

### Materials

- Steels
- Cast iron
- Stainless steel
- Aluminum
- Yellow metals

## COOLCUT™ NEO 3724 N

High performance cutting oil with EP-additives for severe cutting operations



COOLCUT™ NEO 3724 N is a very high-performance cutting oil made from low emission base oils and effective EP-additives for severe cutting operations. Universally applicable for turning, milling, broaching, deep drilling, threading and more, this fluid is designed for use specifically on high tensile materials like high alloyed steels, Nickel- and Titanium-alloyed steels and stainless steels.

### Features

- ▷ Chlorine-free and Zinc-free
- ▷ Low emission base oils
- ▷ Built with EP-additives
- ▷ Kinematic viscosity= 16 mm<sup>2</sup>/s (40° C)

### Benefits

- ▷ Highest performance for severe cutting applications
- ▷ Designed specially for stainless steel and high tensile alloys
- ▷ Low drag out, low fog, and low evaporation loss
- ▷ Easy to remove with aqueous or hydrocarbon cleaners

### ORDERING INFORMATION

| Name                | Product Number  | Size         |
|---------------------|-----------------|--------------|
| COOLCUT™ NEO 3724 N | <b>58-B 377</b> | <b>20 L</b>  |
| COOLCUT™ NEO 3724 N | <b>58-B 378</b> | <b>200 L</b> |

### Processes

- Turning
- Milling
- Drilling
- Deep drilling
- Threading tapping
- Broaching, slotting

### Materials

- Steels
- Cast iron
- Stainless steel
- Titanium

## COOLCUT™ SYN NEO HP

Grinding and honing oil



The COOLCUT™ SYN NEO HP is a polyalphaolefin-based high-performance grinding oil. It is primarily for carbide tool grinding. These specially formulated grinding and honing oils allow maximum machining volumes without burning and perform precisely with exceptional grinding results.

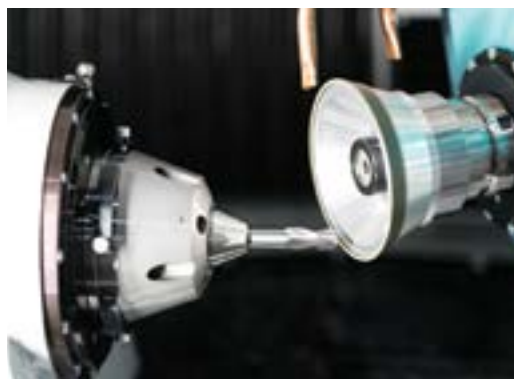
### Features

- ▷ Based on polyalphaolefins (PAO)
- ▷ Effective wetting agents
- ▷ Zinc-free, chlorine-free
- ▷ Kinematic viscosity= 6 mm<sup>2</sup>/s (40°C)

### Benefits

- ▷ Optimal air separation for reliable cooling and maintaining the free wheel's porosity
- ▷ High grinding performance
- ▷ Minimal evaporation loss
- ▷ Extremely low drag out

| Name                | Product Number  | Size         |
|---------------------|-----------------|--------------|
| COOLCUT™ SYN NEO HP | <b>58-B 507</b> | <b>20 L</b>  |
| COOLCUT™ SYN NEO HP | <b>58-B 508</b> | <b>200 L</b> |



### Processes

- Turning
- Milling
- Centerless grinding
- Profile grinding

### Materials

- Steels
- Stainless steel
- Yellow metals
- Titanium
- Carbide

## MAINTENANCE

## COOLCUT™ PROTEC

High-performance slideway oil



COOLCUT™ PROTEC is a high-performance slideway oil with a special mineral oil base. Effective additives safely avoid stick-slip and ensure optimal prevention of oxidation, corrosion, and wear. This multipurpose oil can be used to lubricate slideways of all kinds under high load (e.g., machine tools, forming presses) and it is also suitable for hydraulic and general machine lubrication.

### Features

- ▷ Ash-free
- ▷ Reduced draining off vertical surfaces
- ▷ Minimal friction
- ▷ Compatible with all COOLCUT coolants
- ▷ Kinematic viscosity= 68 mm<sup>2</sup>/s (40°C)

### Benefits

- ▷ Exact and safe positioning of tool and workpiece even under the highest loads, thanks to safe avoiding of stick-slip
- ▷ Minimization of friction saves energy and smooths movement
- ▷ Effective prevention of corrosion and wear
- ▷ Good compatibility with coolants

| Name            | Product Number  | Size         |
|-----------------|-----------------|--------------|
| COOLCUT™ PROTEC | <b>58-C 007</b> | <b>20 L</b>  |
| COOLCUT™ PROTEC | <b>58-C 008</b> | <b>200 L</b> |





## ACCESSORIES

### COOLCUT™ CUTTING FLUIDS PROPORTIONING SYSTEM

Mixing device for water miscible coolants

**Product Number: 53-L 165**

The Walter COOLCUT™ proportioning system for water miscible coolants is an easy way to dilute concentrated coolant with water, to achieve the desired usage concentration. It attaches easily to Walter drums, and its simple dial guides the flow of concentrate into the solution. By attaching the water hose to your water supply, combined with the Venturi effect, out of the dispensing hose comes the diluted emulsion.

**NOTE:** It is recommended to always confirm the final concentration with a refractometer.



### SB 30 SYSTEM BOOSTER

Preventive treatment for reduced downtime

Keep your coolant systems in peak working order with this bactericide for metalworking fluids.

| Name                 | Product Number | Size   |
|----------------------|----------------|--------|
| SB 30 SYSTEM BOOSTER | 53-C 011       | 950 ml |

#### Applications

- ▷ Maintaining biocide action
- ▷ Maintaining efficiency and cleanliness

#### Features and benefits

- ▷ Eliminates bacteria, fungus and yeast
- ▷ Excellent corrosion protection
- ▷ Helps to maintain pH levels
- ▷ Reduces downtime and disposal costs

### COOLCUT™ SYSTEM CLEANER

System cleaner and decontaminator for CNC machine tools

The COOLCUT™ System Cleaner is the ideal product to add to your CNC machine tank before completing fluid changeovers and flushes. Biocidal agents help kill bacteria and fungus that might be growing in the machine or fluid reservoirs. Helps ensure your machine is totally clean and decontaminated before adding fresh coolant. Active ingredients help kill odour causing bacteria and ensure a clean machine before next replenishment. Add CoolCut™ System Cleaner to your machine's coolant tank 12-24 hours before draining, then operate normally.

| Name                   | Product Number | Size   |
|------------------------|----------------|--------|
| COOLCUT SYSTEM CLEANER | 58-C 101       | 950 ml |
| COOLCUT SYSTEM CLEANER | 58-C 105       | 3.78 L |
| COOLCUT SYSTEM CLEANER | 58-C 107       | 20 L   |



#### Features

- ▷ Ideal for cleaning machine tools
- ▷ Use before fluid changeovers and machine tank flushes
- ▷ Use at 3% volume of entire fluid tank
- ▷ Mechanical cleaning is encouraged as well

# COOLCUT™ FLUIDS AT A GLANCE

## Processes

| Name                | Turning | Milling | Gear hobbing | Drilling | Deep drilling | Threading tapping | Broaching | Surface and cylindrical grinding | Centerless grinding | Profile grinding |
|---------------------|---------|---------|--------------|----------|---------------|-------------------|-----------|----------------------------------|---------------------|------------------|
| COOLCUT™ 150        | ●       | ●       |              | ●        |               | ●                 |           | ●                                |                     |                  |
| COOLCUT™ 250        | ●       | ●       |              | ●        |               | ●                 |           | ●                                | ●                   |                  |
| COOLCUT™ 200BF      | ●       | ●       |              | ●        |               | ●                 |           | ●                                | ●                   | ●                |
| COOLCUT™ 400U       | ●       | ●       |              | ●        |               | ●                 |           | ●                                | ●                   | ●                |
| COOLCUT™ 500BF      | ●       | ●       |              | ●        | ●             | ●                 | ●         | ●                                | ●                   |                  |
| COOLCUT™ S-30       | ●       | ●       | ●            | ●        | ●             | ●                 | ●         | ●                                | ●                   | ●                |
| COOLCUT™ S-50       | ●       | ●       |              | ●        | ●             |                   | ●         | ●                                |                     | ●                |
| COOLCUT™ SYN 400 BF | ●       | ●       |              | ●        | ●             | ●                 | ●         | ●                                | ●                   | ●                |
| COOLCUT™ SYN GRIND  |         |         |              |          |               |                   |           | ●                                |                     |                  |
| COOLCUT™ SYN SSK-H7 |         |         |              |          |               |                   |           | ●                                |                     |                  |
| COOLCUT™            |         |         |              | ●        | ●             | ●                 | ●         |                                  |                     |                  |
| COOLCUT™ NEO AP     | ●       | ●       | ●            | ●        | ●             | ●                 | ●         |                                  |                     |                  |
| COOLCUT™ NEO 3724 N | ●       | ●       |              | ●        | ●             | ●                 | ●         |                                  |                     |                  |
| COOLCUT™ SYN NEO HP | ●       | ●       |              |          |               |                   |           |                                  | ●                   | ●                |

## Materials

| Name                | Steels | Cast iron | Stainless steel | Aluminum | Yellow metals | Titanium | Carbide | Glass ceramics |
|---------------------|--------|-----------|-----------------|----------|---------------|----------|---------|----------------|
| COOLCUT™ 150        | ●      | ●         |                 |          | ●             |          |         |                |
| COOLCUT™ 250        | ●      | ●         |                 | ●        | ●             |          |         |                |
| COOLCUT™ 200BF      | ●      | ●         | ●               | ●        | ●             |          |         |                |
| COOLCUT™ 400U       | ●      | ●         | ●               | ●        | ●             |          |         |                |
| COOLCUT™ 500BF      | ●      | ●         | ●               |          | ●             |          |         |                |
| COOLCUT™ S-30       | ●      |           | ●               | ●        | ●             | ●        |         |                |
| COOLCUT™ S-50       | ●      |           | ●               | ●        |               | ●        | ●       |                |
| COOLCUT™ SYN 400 BF | ●      |           | ●               | ●        | ●             | ●        |         | ●              |
| COOLCUT™ SYN GRIND  | ●      | ●         | ●               | ●        | ●             | ●        |         | ●              |
| COOLCUT™ SYN SSK-H7 | ●      |           | ●               | ●        | ●             |          | ●       |                |
| COOLCUT™            | ●      |           | ●               | ●        | ●             |          |         |                |
| COOLCUT™ NEO AP     | ●      | ●         | ●               | ●        | ●             |          |         |                |
| COOLCUT™ NEO 3724 N | ●      | ●         | ●               |          |               | ●        |         |                |
| COOLCUT™ SYN NEO HP | ●      |           | ●               |          | ●             | ●        | ●       |                |



11

**BIO-CIRCLE<sup>®</sup>  
PRODUCT LINE**

ECO-FRIENDLY  
HIGH PERFORMANCE  
CLEANING, DEGREASING  
AND LUBRICATING  
SOLUTIONS



GAP:3T

# BETTER WORKER SAFETY AND PRODUCTIVITY FROM BETTER CLEANING SOLUTIONS



Walter Surface Technologies' Bio-Circle® product line offers high-performance cleaning, degreasing and lubricating solutions that are eco-friendly and improve worker health and safety. Our bio-remediating and bio-renewable liquids replace hazardous solvents and reduce the costs of protecting workers from exposure to toxic chemicals.

Bio-Circle® products create a safer and healthier work environment by using nonflammable, biodegradable, VOC-reduced and VOC-free formulas. Our nature-powered products come in a wide range of sizes and formats to suit your needs. From small, no-drip, continuous spray mist bottles to bulk barrels or totes, Walter's got you covered.

Because our focus is maintenance, repair and overhaul (MRO) businesses, as well as industrial manufacturing processes, you can be confident we understand your needs. Walter representatives will analyze your contaminants and cleaning processes and recommend ways to improve productivity. We'll provide a detailed cost-analysis report to help you make informed decisions.

Our industry-leading formulas satisfy ultra-specific, high-volume surface treatment and cleaning needs, making the Bio-Circle® family of products the clear choice for manufacturing applications of all kinds.

No matter how stringent your cleaning requirements, we can provide the perfect custom solution—to improve working conditions, reduce waste, protect the environment and maximize productivity. Refer to our selection chart on page 192 for quick tips on choosing the right cleaner to get the job done.

## CLEANING BASICS

Before exploring all that Walter's Bio-Circle® product line has to offer, here are some quick and easy tips that will help you choose the right cleaner to get the job done.

Cleaning products are divided into water-based cleaners and solvents. What differentiates water-based cleaners (and the way they remove contaminants) is their pH; they can be acidic, neutral or alkaline. Once you know the required pH for your application, you can easily choose the best cleaner to remove the given contaminant quickly and easily.

Acidic cleaners are used to remove inorganic contaminants such as rust, limescale and mineral deposits from metallic surfaces.

Neutral cleaners are used whenever the use of acidic or alkaline cleaners is a concern, or if the items to be cleaned are delicate.

Alkaline cleaners are used to remove organic contaminants such as grease, oil and protein residues.

|    | Cleaner type                            | Products   | Comparatives  |
|----|---|--|---|
| 0  | <b>Acidic</b>                           |  | Battery acid  |
|    | Oxidation<br>Rust<br>Mineral deposits   | E-NOX CLEAN<br>POWER CLEANER 100   | Gastric acid<br>Vinegar<br>Cola<br>Coffee<br>Beer, wine<br>Saliva |
|    |   | BIO-RUST   |   |
| 5  | <b>Neutral</b>                          |  | Seawater  |
|    | Oil, grease,<br>rust                    | BIO-CIRCLE L<br>BIO-CIRCLE ULTRA<br>BIO-CIRCLE AERO<br><br>CB 100 ALU  | Baking soda<br>Drinking water                                     |
| 10 | <b>Alkaline</b>                         |  |   |
|    | Oil, proteins,<br>grease, wax,<br>resin | CB 100<br>E-NOX SHINE, UNO S, UNO S F,<br>FT 100, FT 200, GOLD MATRIX<br>READY<br><br>ALUSTAR 200<br><br>STAR 200<br>ALUSTAR 300 | Liquid ammonia<br>Soapy water                                     |
| 14 |   |  |   |

### The Cleaning Matrix

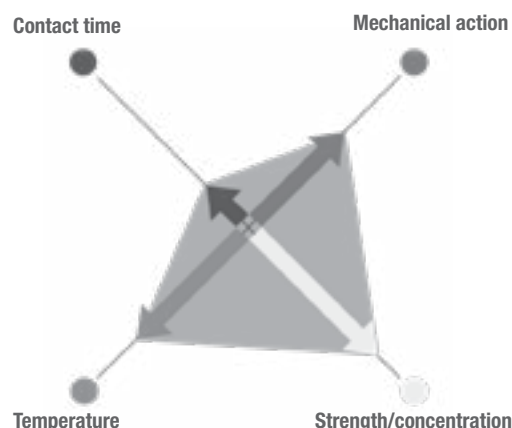
When it comes to cleaning and cleaning efficiency, each product's cleaning performance can be improved by four key elements:

- Contact time
- Mechanical action
- Temperature
- Strength/concentration

If any of these four elements are increased, the performance of your given product will be improved.

For example:

Using a high pressure washer (mechanical) and hot tap water (temperature) mixed with a cleaner in its strongest concentration (power) for 1 minute (time) will result in a given cleaner performance. By increasing the time or the temperature at which you use the product, you will increase the performance of the product.



# CLEANING AND DEGREASING SELECTION CHART

| TYPE OF CLEANERS |                 | ALKALINE / NEUTRAL  |  |   |                 |  |   |            |   |
|------------------|-----------------|---|--|---|-----------------|--|---|------------|---|
| Contaminant      |                 | <i>Organic: grease, oil, corrosion protection, lubricants, smoke, finger prints, dust, carbon, graphite, soot, etc.</i> |  |   |                 |  |   |            |   |
| Cleaning process |                 | Spray and wipe  | Ultrasonic bath                          | Floor washing machine and general maintenance | Pressure washer | Hot parts washer                       | Automated parts washer                          | Dip tank   | Manual parts washer                           |
| Parent material  | Steel           | GOLD MATRIX READY<br>UNO S F<br>UNO S<br>FT 100<br>FT 200   | CB 100<br>STAR 200                       | GOLD MATRIX READY<br>UNO S F                  | UNO S F         | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300 | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300          | CB 100     | Bio-Circle L<br>Bio-Circle<br>Ultra<br>CB 100 |
|                  | Stainless steel | GOLD MATRIX READY<br>UNO S F<br>UNO S<br>FT 100<br>FT 200<br>E-Nox Shine  | CB 100<br>STAR 200                       | GOLD MATRIX READY<br>UNO S F                  | UNO S F         | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300 | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300          | CB 100     |   |
|                  | Aluminum        | FT 100<br>FT 200<br>E-Nox Shine   | CB 100 ALU<br>ALUSTAR 200<br>ALUSTAR 300 |   |                 | ALUSTAR 200<br>ALUSTAR 300             | ALUSTAR 200<br>ALUSTAR 300                      | CB 100 ALU | Bio-Circle<br>Aero<br>CB 100 ALU              |
|                  | Copper / Brass  | FT 100<br>FT 200  | CB 100 ALU                               |   |                 | ALUSTAR 200<br>ALUSTAR 300             | GOLD MATRIX READY<br>ALUSTAR 200<br>ALUSTAR 300 | CB 100 ALU |   |
|                  | Glass           | GOLD MATRIX READY<br>UNO S F<br>UNO S<br>FT 100<br>FT 200   | CB 100                                   | GOLD MATRIX READY<br>UNO S F                  | UNO S F         | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300 | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300          | CB 100     | —   |
|                  | Plastic         | GOLD MATRIX READY<br>UNO S F<br>UNO S<br>FT 100<br>FT 200   | CB 100                                   | GOLD MATRIX READY<br>UNO S F                  | UNO S F         | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300 | STAR 200<br>ALUSTAR 200<br>ALUSTAR 300          | CB 100     | —   |

Note: It is very important to know the next step after cleaning. For instance, if painting is required after the cleaning operation, a surface preparation cleaner may be recommended.

**Inorganic contaminant:** Mineral-based compounds such as rust, limescale, etc.

**Organic contaminants:** Carbon-based compounds such as oil, grease, etc.

**Other contaminants:** Can be a combination of organic and inorganic contaminants

Neutralization of acidic cleaners: Proper neutralization with an alkaline cleaner is always required to deactivate the acid and prevent damages to the parent material

Steps to proper neutralization:

1. Wipe off the excess of acid
2. Apply an alkaline cleaner
3. Wipe off the surface with a clean rag (rinse and dry when necessary)

| ACIDIC  |                   |                   |                        |                                | ULTRA-POWERFUL NATURAL CLEANER AND DEGREASER             |                          |                                 |
|---|-------------------|-------------------|------------------------|--------------------------------|--|--------------------------|---------------------------------|
| <i>Inorganic:</i> rust, corrosion, limescale, calamine, heat tint, etc. |                   |                   |                        |                                | <i>Other:</i> paint, glue, adhesive, ink, wax, tar, etc. |                          |                                 |
| Spray and wipe  | Ultrasonic bath   | Hot parts washer  | Automated parts washer | Dip tank                       | Spray and wipe   | Ultrasonic bath          | Dip tank                        |
| E-Nox Clean   | Power Cleaner 100 | Power Cleaner 100 | Power Cleaner 100      | Bio-Rust and Power Cleaner 100 | ALL-SEASON PRO CLEAN SC 400 SC 400 FOAM                  | CB 100                   | ALL-SEASON PRO CLEAN CB 100     |
| E-Nox Clean   | Power Cleaner 100 | Power Cleaner 100 | Power Cleaner 100      | Power Cleaner 100              | ALL-SEASON PRO CLEAN SC 400 SC 400 FOAM                  | CB 100                   | ALL-SEASON PRO CLEAN CB 100     |
| E-Nox Clean   | Power Cleaner 100 | Power Cleaner 100 | Power Cleaner 100      | Power Cleaner 100              | ALL-SEASON PRO CLEAN SC 400 SC 400 FOAM                  | CB 100 ALU<br>CB 100 ALU | ALL-SEASON PRO CLEAN CB 100 ALU |
| E-Nox Clean   | Power Cleaner 100 | Power Cleaner 100 | Power Cleaner 100      | Power Cleaner 100              | ALL-SEASON PRO CLEAN SC 400 SC 400 FOAM                  | CB 100 ALU               | ALL-SEASON PRO CLEAN CB 100 ALU |
| E-Nox Clean   | Power Cleaner 100 | Power Cleaner 100 | Power Cleaner 100      | Power Cleaner 100              | PRO CLEAN SC 400   | CB 100                   | PRO CLEAN CB 100                |
| —   | —                 | —                 | —                      | —                              | —  | CB 100                   | CB 100                          |



# CLEANER CHARACTERISTICS

|   | Fast evaporating   | Flammability        | pH level          | Residue | Short term protection | Long term protection | Rinsable | Dilutable         | Biodegradable |
|---|--------------------|---------------------|-------------------|---------|-----------------------|----------------------|----------|-------------------|---------------|
| BIO-CIRCLE L<br>BIO-CIRCLE ULTRA<br>BIO-CIRCLE AERO | No                 | None                | Neutral           | Yes     | Yes                   | No                   | Yes      | No                | Yes           |
| CB 100  | No                 | None                | Slightly alkaline | Yes     | Yes                   | No                   | Yes      | No                | Yes           |
| CB 100 ALU  | No                 | None                | Slightly alkaline | Yes     | Yes                   | No                   | Yes      | No                | Yes           |
| UNO S   | No                 | None                | Alkaline          | Yes     | Yes                   | No                   | Yes      | Yes (up to 40:1)  | Yes           |
| UNO S F   | No                 | None                | Alkaline          | Yes     | Yes                   | No                   | Yes      | Yes (up to 40:1)  | Yes           |
| GOLD MATRIX READY                                   | No                 | None                | Alkaline          | Yes     | No                    | No                   | Yes      | Yes (up to 1:4)   | Yes           |
| STAR 200  | No                 | None                | Alkaline          | Yes     | Yes                   | No                   | Yes      | Yes (up to 1:200) | Yes           |
| ALUSTAR 200   | No                 | None                | Alkaline          | Yes     | Yes                   | No                   | Yes      | Yes (up to 1:200) | Yes           |
| ALUSTAR 300   | No                 | None                | Alkaline          | Yes     | Yes                   | No                   | Yes      | Yes (up to 1:200) | Yes           |
| E-NOX CLEAN   | No                 | None                | Acidic            | Yes     | No                    | No                   | Yes      | Yes (up to 40:1)  | Yes           |
| E-NOX SHINE   | No                 | None                | Alkaline          | Yes     | Yes                   | No                   | Yes      | No                | Yes           |
| BIO-RUST  | No                 | None                | Slightly acidic   | Yes     | Yes                   | No                   | Yes      | No                | Yes           |
| POWER CLEANER 100                                   | No                 | None                | Acidic            | Yes     | No                    | No                   | Yes      | Yes (up to 40:1)  | Yes           |
| PRO CLEAN   | No                 | Low (102°C/215°F)   | ---               | Yes     | ---                   | ---                  | No       | No                | Yes           |
| ALL-SEASON  | No                 | Mod. (66°C/150.8°F) | ---               | Yes     | No                    | No                   | No       | No                | No            |
| SC 400  | No                 | Mod. (45°C/113°F)   | ---               | Yes     | ---                   | ---                  | No       | No                | Yes           |
| SC 400 FOAM   | No                 | High (-60°C/-76°F)  | ---               | Yes     | No                    | No                   | No       | No                | No            |
| OMNI  | No                 | Low (125°C/257°F)   | ---               | Yes     | Yes                   | Yes                  | No       | No                | No            |
| FT 100  | Yes (after wiping) | Mod.(43°C/104°F)    | Alkaline          | No      | No                    | No                   | Yes      | No                | Yes           |
| FT 200  | Yes (after wiping) | Mod.(40°C/104°F)    | Slightly alkaline | No      | No                    | No                   | Yes      | No                | Yes           |
| AF-PL   | Yes                | High (-24°C/-11°F)  | ---               | No      | No                    | No                   | No       | No                | No            |
| SLAP SHOT   | Yes                | High (-24°C/-11°F)  | ---               | No      | No                    | No                   | No       | No                | No            |
| CONTACT CLEAN                                       | Yes                | None                | ---               | No      | No                    | No                   | No       | No                | No            |

Legend: ● Water-based ● Natural solvent-based ● Oil-based ● Solvent-based



### Volatile Organic Compounds Free

Consumers today are far more knowledgeable regarding products containing potentially toxic levels of volatile organic compounds, commonly known as VOCs. Paints, stains, and varnishes have long contributed considerably to the prolific release of VOCs, sometimes known as off-gassing. This explains the growing popularity of low-VOC and VOC-free products. Products where you see the VOC-free logo guarantee that they contain no volatile organic compounds.



# CLEANER APPROVALS

|   | TSCA 8b listed | DSL/NDSL compliant <sup>2</sup> | NSF approved <sup>1</sup> | Accepted for use in food plants in Canada |
|---|----------------|---------------------------------|---------------------------|---|
| BIO-CIRCLE L<br>BIO-CIRCLE ULTRA<br>BIO-CIRCLE AERO | Yes            | Yes                             | Yes                       | Yes                                       |
| CB 100  | Yes            | Yes                             | Yes                       | Yes                                       |
| CB 100 ALU  | Yes            | Yes                             | No                        | No  |
| UNO S   | Yes            | Yes                             | Yes                       | Yes                                       |
| UNO S F   | Yes            | Yes                             | Yes                       | Yes                                       |
| GOLD MATRIX READY                                   | Yes            | Yes                             | No                        | No  |
| STAR 200  | Yes            | Yes                             | No                        | Yes                                       |
| ALUSTAR 200   | Yes            | Yes                             | Yes                       | Yes                                       |
| ALUSTAR 300   | Yes            | Yes                             | Yes                       | Yes                                       |
| E-NOX CLEAN   | Yes            | Yes                             | Yes                       | Yes                                       |
| E-NOX SHINE   | Yes            | Yes                             | Yes                       | Yes                                       |
| BIO-RUST  | Yes            | Yes                             | Yes                       | No  |
| POWER CLEANER 100                                   | Yes            | Yes                             | Yes                       | Yes                                       |
| PRO CLEAN   | Yes            | Yes                             | Yes                       | Yes                                       |
| ALL-SEASON  | Yes            | Yes                             | No                        | No  |
| SC 400  | Yes            | Yes                             | No                        | No  |
| SC 400 FOAM   | Yes            | Yes                             | Yes                       | No  |
| OMNI  | Yes            | Yes                             | Yes                       | Yes                                       |
| FT 100  | Yes            | Yes                             | Yes                       | No  |
| FT 200  | Yes            | Yes                             | Yes                       | Yes                                       |
| AF-PL   | Yes            | Yes                             | No                        | No  |
| SLAP SHOT   | Yes            | Yes                             | Yes                       | Yes                                       |
| CONTACT CLEAN                                       | Yes            | Yes                             | Yes                       | No  |

<sup>1</sup> National Sanitation Foundation

<sup>2</sup> Domestic Substances List



### Nonfood Compounds Program

The global food industry relies upon nonfood compounds to facilitate the efficient processing, handling and storage of food throughout the supply chain. Nonfood compounds include such substances as cleaners, sanitizers, boiler compounds and lubricants. NSF International Nonfood Compounds Registration Program provides beneficial product information to three important stakeholder groups.



### Low Energy Surfactant (LES) technology

These unique surfactants can clean and degrease effectively at lower temperatures, thus generating substantial energy savings. Lower the temperature of your automated industrial parts washers today! NOTE: Dilution up to 1:200

# BIO-CIRCLE VOC GUIDE

To reduce ground-level ozone and smog, certain U.S. states regulate the sales of volatile organic compounds (VOC) in consumer and industrial products. The goal is to decrease the use of high-VOC products in consumer, commercial, and industrial applications and incentivize suppliers to create lower-VOC alternatives.

Bio-Circle® offers powerful solutions for industrial applications. Whenever possible, we offer low-VOC or VOC-free alternatives to replace high-VOC products. For example, we use compressed air as an alternative to high-VOC propellants for some of our aerosol solutions.

We are committed to keeping our customers informed of any restrictions on the use of our products. Below, you'll find a list of our products and the states that restrict their use in some applications.

All states provide exemptions for high-VOC products used in the manufacturing process. Contact your local air quality regulators to learn more about VOC restrictions that may apply in your state or county.

| Products              | Order No.  | COMPLIANCE as per CARB 310* | Restricted for sale in the following States to manufacturing use only, not for retail sale: CA, UT, NH, CT, DC, DE, IN, IL, MD, ME, MA, MI, NY, NJ, OH, PA, RI, VA |
|-----------------------|--|-----------------------------|--|
| PRO CLEAN             | 53-G 523, 53-G 525, 53-G 527, 53-G 528           |                             | ✓  |
| SC 400                | 53-G 512, 53-G 513, 53-G 516, 53-G 517, 53-G 518 |                             | ✓  |
| SC 400 FOAM           | 53-G 512   |                             | ✓  |
| ALL-SEASON            | 53-G 553 53-G 555 53-G 557 53-G 558 53-G 559     |                             | ✓  |
| OMNI Liquid           | 53-X 003, 53-X 005, 53-X 007, 53-X 008, 53-X 009 | ✓                           |  |
| FT 100                | 53-G 183, 53-G 187, 53-G 188                     | ✓                           |  |
| FT 100 aerosol        | 53-G 182   |                             | ✓  |
| FT 200                | 53-G 173, 53-G 177, 53-G 178                     |                             | ✓  |
| OMNI                  | 53-X 003 53-X 005 53-X 007 53-X 008 53-X 009     | ✓                           |  |
| AF-PL                 | 53-C 553-, 53-C 556, 53-C 557, 53-C 558          |                             | ✓  |
| Contact Clean         | 53-C 712   | ✓                           |  |
| Slap Shot Aerosol     | 53-C 502   |                             | ✓  |
| Slap Shot Liquid      | 53-C 503, 53-C 506, 53-C 508                     |                             | ✓  |
| Slap Shot PL Aerosol  | 53-C 552   |                             | ✓  |
| Food Zone             | 53-D 602   |                             | ✓  |
| Food Zone V           | 53-D 652   |                             | ✓  |
| Coolcut Aerosol       | 53-B 002   |                             | ✓  |
| Open Gear Aerosol     | 53-E 102   |                             | ✓  |
| Chain Gang Aerosol    | 53-D 102   |                             | ✓  |
| Hang-On               | 53-D 812, 53-D 817                               |                             | ✓  |
| Bolt Out              | 53-D 893, 53-D 897                               |                             | ✓  |
| COLD SHOCK            | 53-D 882   |                             | ✓  |
| Rock'N Roll Aerosol   | 53-D 852   |                             | ✓  |
| Zinc 100 Aerosol      | 53-H 102   |                             | ✓  |
| Zinc 200 Aerosol      | 53-H 152   |                             | ✓  |
| STAINLESS CUT Aerosol | 53-B 202   |                             | ✓  |

\*California Environmental Protection Agency Air Resources Board, method 310 for determination of Volatile Organic Compounds (VOC) in consumer products and reactive organic compounds in aerosol coating products.

## LIQUIDS AVAILABLE SIZES

Our Bio-Circle® nature-powered cleaning and degreasing products come in a wide range of sizes and formats to suit your needs. From small, no-drip, continuous spray mist bottles to bulk barrels or totes, Walter's got you covered.

Our industry-leading Bio-Circle® formulas and delivery systems can satisfy ultra-specific, high-volume surface treatment and cleaning needs, making the Bio-Circle® family of products the clear choice for manufacturing applications of all kinds. No matter how stringent your cleaning requirements, Walter's team of Bio-Circle® experts will provide you with the perfect custom solution—one that improves working conditions, reduces waste, protects the environment, and maximizes productivity.



# BIO-RENEWABLE AND BIO-REMEDICATING SOLUTIONS



## BIO-RENEWABLE SOLUTIONS

Heavy-duty cleaning for removing ink, adhesive, synthetic oils, heavy grease and other tough contaminants. Working exceptionally well at room temperature, these solutions only need periodical oil skimming.

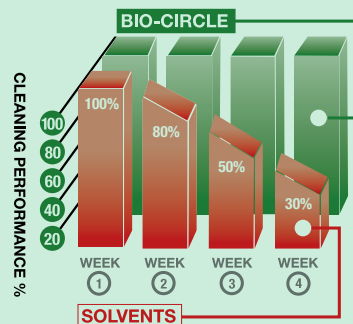
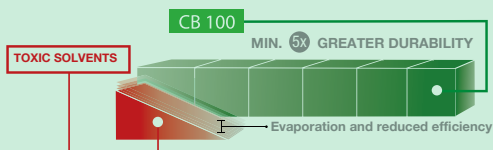
Bio-renewable cleaning liquids are powered by Nature Boost™ an exclusive and powerful ingredient derived from plant-based extracts. Bio-renewable solutions keep their full cleaning power over a longer period of time than toxic solvents because the oil separates and floats to the surface, allowing you to skim oils from the top of your tank.

## BIO-REMEDICATING SOLUTIONS

These self-regenerating solutions contain micro-organisms that break down oils and greases into CO<sub>2</sub> and H<sub>2</sub>O, with almost ZERO waste products to dispose of.

Our bio-remediating family of cleaners contain live micro-organisms that digest oils and other organic contaminants, turning them into water and carbon dioxide. Bio-remediating liquids maintain their cleaning power over time, an economical and environmental advantage over toxic solvents and weaker water based systems.

### Durability comparison





# BIO-RENEWABLE SOLUTIONS

Heavy-duty cleaning for removing ink, adhesive, synthetic oils, heavy grease and other tough contaminants. These solutions work exceptionally well at room temperature and only require periodical oil skimming.

## CB 100™

Natural industrial-strength cleaner and degreaser  
CB 100™ is next-generation cleaning technology. Powered by our exclusive Nature Boost™ formula, CB 100™ is unsurpassed in its ability to remove the most stubborn industrial contaminants.

**NSF category C1, registration #148555**

### Applications

- ▷ *Cleaning asphalt from paving equipment*
- ▷ *Removing tough greases from gears and bearings*

| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Sprayer     | 500 ml | 16.9 oz. | 53-G 163  | L-155  | 12        |
| Liquid      | 3.78 L | 1 gal    | 53-G 165  | L-155  | 1         |
| Liquid      | 20 L   | 5.2 gal  | 53-G 167  | L-155  | 1         |
| Liquid      | 208 L  | 55 gal   | 53-G 168  | L-155  | 1         |
| Liquid      | 1000 L | 264 gal  | 53-G 169  | L-155  | 1         |



### Benefits

- ▷ *Outlasts solvent cleaners by 3-5x*
- ▷ *Shortens cleaning time*
- ▷ *Creates a safer, more pleasant work environment*
- ▷ *Reduces workplace liability*

### Features

- ▷ *Ready-to-use, non-caustic, non-hazardous, phosphate-free, and butyl-free*
- ▷ *Cuts through contaminants most solvents can't touch*
- ▷ *Great cleaning power at room temperature*
- ▷ *VOC-free*

## CB 100 ALU™

Natural industrial-strength cleaner and degreaser for non-ferrous alloys

CB 100™ ALU is a powerful cleaner/degreaser powered by our unique Nature Boost™ technology. Similar to the CB 100™ cleaning solution, yet specially designed for cleaning aluminum and sensitive alloys. Replaces hazardous solvents and petroleum-based products for improved health and safety in the workplace.

**NEW AND IMPROVED FORMULA!**  
**25% LESS RESIDUE**

### Applications

- ▷ *Removing coolants and cutting oils from parts in machine shops*
- ▷ *Degreasing engine components during repair and rebuild operations*

| Description | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|-------------|-----------|--------|-----------|
|             | Metric | US Gal      |           |        |           |
| Sprayer     | 500 ml | 16.9 fl.oz. | 53-G 123  | L-158  | 12        |
| Liquid      | 3.78 L | 1 gal       | 53-G 125  | L-158  | 1         |
| Liquid      | 20 L   | 5.2 gal     | 53-G 127  | L-158  | 1         |
| Liquid      | 208 L  | 55 gal      | 53-G 128  | L-158  | 1         |
| Liquid      | 1000 L | 264 gal     | 53-G 129  | L-158  | 1         |



### Benefits

- ▷ *Outlasts solvent cleaners by 3-5x*
- ▷ *Shortens cleaning time*
- ▷ *Eliminates material compatibility issues*
- ▷ *Reduces workplace liability*

### Features

- ▷ *Ready-to-use, non-caustic, non-hazardous, phosphate-free, and butyl-free*
- ▷ *Great cleaning power at room temperature*
- ▷ *VOC free*
- ▷ *Formulated with special corrosion protection*

# BIO-REMEDIATING SOLUTIONS

These self-regenerating solutions contain micro-organisms that break down oils and greases into CO<sub>2</sub> and H<sub>2</sub>O, with almost ZERO waste products to dispose of.

## BIO-CIRCLE® L

Bio-remediating parts cleaner and degreaser

Bio-Circle® L is a top-selling Bio-remediating parts cleaner and degreaser used in thousands of operations worldwide. Maintains its cleaning power over time, offering an economical and environmental advantage over toxic solvents and weaker water-based systems.

**NSF category C1, registration #141285**

### Applications

- ▷ *Parts cleaning*
- ▷ *Facility maintenance*

| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|---------|-----------|--------|-----------|
|             | Metric | US Gal  |           |        |           |
| Liquid      | 20 L   | 5.2 gal | 55-A 007  | L-78   | 1         |
| Liquid      | 208 L  | 55 gal  | 55-A 008  | L-78   | 1         |
| Liquid      | 1000 L | 264 gal | 55-A 009  | L-78   | 1         |



### Benefits

- ▷ *Maximum strength for life of product*
- ▷ *Reduces waste and disposal costs*
- ▷ *Creates a safer, more pleasant work environment*
- ▷ *No respiration equipment required*

### Features

- ▷ *Continuously self-renewing with minimal waste streams*
- ▷ *Non-hazardous, nonflammable, VOC-free*
- ▷ *Pleasant scent—no harsh fumes or vapors*
- ▷ *Safe on skin*

## BIO-CIRCLE® ULTRA



Extra powerful bio-remediating parts cleaner and degreaser

Bio-Circle® Ultra is a bio-remediating parts cleaner and degreaser that easily cuts through some of the toughest industrial contaminants including crude oil, bitumen, and heavy grease. Maintains its cleaning power over time, offering an economical and environmental advantage over toxic solvents and weaker water-based systems.

**NSF category C1, registration #145549**

### Applications

- ▷ *MRO and production*
- ▷ *Rebuild and repair operations*

| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|---------|-----------|--------|-----------|
|             | Metric | US Gal  |           |        |           |
| Liquid      | 20 L   | 5.2 gal | 55-A 107  | L-148  | 1         |
| Liquid      | 208 L  | 55 gal  | 55-A 108  | L-148  | 1         |
| Liquid      | 1000 L | 264 gal | 55-A 109  | L-148  | 1         |



### Benefits

- ▷ *Maximum strength for life of product*
- ▷ *Reduces waste and disposal costs*
- ▷ *Creates a safer, more pleasant work environment*
- ▷ *No respiration equipment required*

### Features

- ▷ *Continuously self-renewing with minimal waste streams*
- ▷ *Non-hazardous, nonflammable, VOC-free*
- ▷ *Powered by Nature Boost™, an exclusive, highly effective natural ingredient*
- ▷ *Pleasant scent—no harsh fumes or vapors*

## BIO-CIRCLE® AERO

Bio-remediating parts cleaner and degreaser for aircraft use

Bio-Circle® Aero liquid is a bio-remediating parts cleaner and degreaser designed to meet the aeronautical industry's stringent requirements. Safe for use with aluminum and other sensitive alloys.

### Applications

- ▷ Airport maintenance
- ▷ Aerospace parts manufacturing



| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|---------|-----------|--------|-----------|
|             | Metric | US Gal  |           |        |           |
| Liquid      | 20 L   | 5.2 gal | 55-A 207  | L-161  | 1         |
| Liquid      | 208 L  | 55 gal  | 55-A 208  | L-161  | 1         |
| Liquid      | 1000 L | 264 gal | 55-A 209  | L-161  | 1         |

### Benefits

- ▷ Maximum strength for life of product
- ▷ Eliminates material compatibility issues
- ▷ Reduces waste and disposal costs
- ▷ Creates a safer, more pleasant work environment

### Features

- ▷ Continuously self-renewing with minimal waste streams
- ▷ Conforms to: Boeing D6-17487 Revision R Douglas Aircraft Company CSD No.1 (Type I) AMS 1526C
- ▷ Non-hazardous, nonflammable, VOC-free, pH neutral
- ▷ Safe for all metals and most surfaces



# PARTS WASHER FEATURES

If you're looking to create a safer workplace without compromising performance, our Bio-Circle® MAXI industrial parts washer is built for you. This cutting-edge cleaning and degreasing system is sturdy, reliable, low maintenance, and specially designed for water-based cleaning, allowing you to quickly power through the most demanding cleaning jobs. When paired with Bio-Circle® or CB 100™ solutions, our parts washer will transform your cleaning operations, making them easy, eco-friendly, efficient and safe.

- 1 Electronically controlled PCB board with onboard diagnostics
- 2 LED flashing push button: *Flashing LED push button displays machine status*
- 3 Air pump: *Provides air circulation and convection*
- 4 In-line filter housing: *Ensures filtration of heavy metal pieces and contaminants*
- 5 CSA certified: *Conforms to industry standards for safety compliance materials and electronics*
- 6 Fluid pump: *Electronically controlled fluid pump for liquid circulation*
- 7 Air diffuser: *Distributes air evenly for maximum circulation*
- 8 Probe: *Rugged stainless probe construction houses temperature and thermal shut-off safety sensors*
- 9 Heater: *Liquid heating ensures optimal cleaning performance*
- 10 Under-sink filter bag : *Ensures filtration of heavy metal pieces and contaminants*
- 11 Gasket: *Prevents unwanted liquid evaporation*
- 12 Sink filter assembly:
  - Magnet: *Traps metallic particles*
  - Flapper: *Prevents unwanted liquid evaporation*
  - In-sink filters: *Filter meshes (2 sizes) trap heavy metal pieces and contaminants*
- 13 Two-way valve:
  - Flexible articulated hose: *Provides steady stream of liquid for cleaning*
  - Multijet flow-through brush: *Provides steady stream of liquid for cleaning, plus integration brush for scrubbing*



## BIO-CIRCLE® MAXI

| Order No. | Dimensions                      | Max tank capacity | Load capacity    |
|-----------|---------------------------------|-------------------|------------------|
| 55-D 600  | 97 x 69 x 110 (38" x 27" x 43") | 140 L (37 gal)    | 220 Kg (500 lbs) |

| ACCESSORIES                 | Order No. |
|-----------------------------|-----------|
| Sink lid                    | 55-B 047  |
| Stainless steel sink insert | 55-B 048  |
| Casters                     | 55-B 049  |



# BIO-RENEWABLE START-UP PACKAGES

Each start-up package includes the Bio-Circle® MAXI industrial parts washer and ultra-powerful natural cleaning and degreasing solutions.



## ***INCLUDED: 6 PAILS (20L / 5.2 GAL.)***

| Name       | Order No.    |
|------------|--------------|
| CB 100     | 55-D 615CBP  |
| CB 100 ALU | 55-D 615CBAP |

## ***INCLUDED: 1 DRUM (208L / 55 GAL.)***

| Name       | Order No.    |
|------------|--------------|
| CB 100     | 55-D 615CBD  |
| CB 100 ALU | 55-D 615CBAD |

# BIO-REMEDICATING START-UP PACKAGES

Each start-up package includes the Bio-Circle® MAXI industrial parts washer and safe and efficient BIO-REMEDICATING cleaning solutions. These Bio-Circle® liquids maintain their cleaning power over time, a clear advantage over solvents.



## ***INCLUDED: 6 PAILS (20L / 5.2 GAL.)***

| Name              | Order No.    |
|-------------------|--------------|
| Bio-Circle® L     | 55-D 600BCLP |
| Bio-Circle® ULTRA | 55-D 600BCUP |
| Bio-Circle® Aero  | 55-D 600BCAP |

## ***INCLUDED: 1 DRUM (208L / 55 GAL.)***

| Name              | Order No.    |
|-------------------|--------------|
| Bio-Circle® L     | 55-D 600BCLD |
| Bio-Circle® ULTRA | 55-D 600BCUD |
| Bio-Circle® Aero  | 55-D 600BCAD |

# WALTER AND GRAYMILLS

PARTNERS IN SUPERIOR PARTS CLEANING SOLUTIONS

*Graymills parts washer systems perfectly complement Walter's cleaning and degreasing solutions.*

*We've got you covered! Combine Bio-Circle's array of parts washing liquids with Graymills' range of ultrasonic, automated or small parts washers for great results.*



## GRAYMILLS

Graymills order no. PH922

*Easy to use, it offers quick on-site cleaning of shop parts. This modular washer features an integrated sink and holding tank for efficient cleaning.*



## BIOMATIC

Graymills order no. BIO922

*Uses a bioremediation process involving hydrocarbon converting microbes to reduce solid waste and eliminate fluid disposal.*



## THE PERFECT MATCH!

*Get great results when paired with Walter's CB 100™, Bio-Circle® or STAR™ parts washing liquids.*

# INDUSTRIAL CLEANING AND DEGREASING

Bio-Circle's UNO™ family of cleaning and degreasing products are ideal for various applications conducted at room temperature. Save time and money with UNO™ and its Low Energy Surfactant (LES) technology which allows the product to achieve optimal results at ambient temperature.

## UNO™ S

Concentrated cleaner and degreaser

UNO™ S is a highly concentrated, powerful foaming cleaner/degreaser that lifts dirt and grease fast. Ideal for manual spraying applications. Excellent substitute for solvent-base cleaners.

**NSF category A1, registration #142608**

### Applications

- ▷ *Cleaning stainless steel equipment in food industry*
- ▷ *Removal of cutting fluids, stamping oils and grease*

| Description             | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------------------|--------|----------|-----------|--------|-----------|
|                         | Metric | US Gal   |           |        |           |
| Liquid, trigger sprayer | 500 ml | 16.9 oz. | 53-G 033  | L-143  | 12        |
| Liquid                  | 3.78 L | 1 gal    | 53-G 035  | L-143  | 1         |
| Liquid                  | 20 L   | 5.2 gal  | 53-G 037  | L-143  | 1         |
| Liquid                  | 208 L  | 55 gal   | 53-G 038  | L-143  | 1         |
| Liquid                  | 1000 L | 264 gal  | 53-G 039  | L-143  | 1         |



### Benefits

- ▷ *Versatile — can be used for a variety of applications*
- ▷ *Less chemical required per cleaning*
- ▷ *Creates a safer, healthier work environment*

### Features

- ▷ *Nonflammable, phosphate-free, VOC-free*
- ▷ *Foaming action for increased contact time*
- ▷ *Low Energy Surfactant Technology cleans at lower temperatures*
- ▷ *Dilutable up to 1:40*

## UNO™ SF

Concentrated foamless cleaner and degreaser

UNO™ SF is a highly concentrated, powerful foamless cleaner/degreaser that can cut through dirt and grease throughout your facility. Uses range from floor washing and pressure washing of large parts to automatic parts washers. Excellent substitute for solvent-base cleaners. **NSF category A1, registration #142609**

### Applications

- ▷ *Cleaning of stainless steel equipment*
- ▷ *Removal of cutting fluids, stamping oils and grease*

| Description     | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------|--------|-------------|-----------|--------|-----------|
|                 | Metric | US Gal      |           |        |           |
| Trigger sprayer | 500 ml | 16.9 fl.oz. | 53-G 023  | L-48   | 12        |
| Liquid          | 3.78 L | 1 gal       | 53-G 015  | L-48   | 1         |
| Liquid          | 20 L   | 5.2 gal     | 53-G 017  | L-48   | 1         |
| Liquid          | 208 L  | 55 gal      | 53-G 018  | L-48   | 1         |
| Liquid          | 1000 L | 264,6 gal   | 53-G 019  | L-48   | 1         |



### Benefits

- ▷ *Versatile—can be used for a variety of applications*
- ▷ *Less chemical required per cleaning*
- ▷ *Creates a safer, healthier work environment*

### Features

- ▷ *Nonflammable, VOC-free*
- ▷ *Low Energy Surfactant Technology cleans at lower temperatures*
- ▷ *Foamless for high-pressure or agitation cleaning systems*
- ▷ *Dilutable up to 1:40*

# GOLD MATRIX READY™ **NEW**

All-purpose cleaner and degreaser

GOLD MATRIX READY™ is a foamless formulation which makes it ideal for applications where foaming could interfere in the cleaning process. Ideal for trigger sprayer applications, hot parts washers, ultrasonic baths, dip tanks, floor cleaners and pressure washers. Removes oils, greases, organic contaminants, pigment coating, markers, smoke, dust, carbon deposits, etc.



|             |        |             |           |        |           |
|-------------|--------|-------------|-----------|--------|-----------|
| Description | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|             | Metric | US Gal      |           |        |           |
| Sprayer     | 500 ml | 16.9 fl.oz. | 53-G 073  | L-68   | 12        |
| Liquid      | 3.78 L | 1 gal.      | 53-G 076  | L-68   | 1         |
| Liquid      | 20 L   | 5.2 gal.    | 53-G 077  | L-68   | 1         |
| Liquid      | 208 L  | 55 gal.     | 53-G 078  | L-68   | 1         |
| Liquid      | 1000 L | 264 gal.    | 53-G 079  | L-68   | 1         |

|                                     |                  |
|-------------------------------------|------------------|
| <b>ACCESSORIES</b>                  | <b>Order No.</b> |
| Spout for 5L pail                   | 53-L 113         |
| Spout for 20L pail                  | 53-L 207         |
| Faucet for 208L drum, 2"            | 53-L 209         |
| Faucet for 208L drum, 3/4"          | 53-L 210         |
| Replacement trigger sprayer, 500 ml | 53-L 315         |

### Applications

- ▷ Facility maintenance
- ▷ Cleaning of stainless steel equipment
- ▷ Removes oils, greases, organic contaminants, carbon deposits, etc.

### Benefits

- ▷ High strength formula, ready to use
- ▷ Can be heated up to 90°C (194°F) for maximum cleaning
- ▷ Creates a safer, healthier work environment

### Features

- ▷ Foamless for high pressure or agitation cleaning
- ▷ Non-hazardous, non-flammable, VOC-free
- ▷ Built-in corrosion inhibitors to prevent flash rusting

## STAR™ LINE OF CLEANERS AND DEGREASERS FOR AUTOMATED PARTS WASHERS

An excellent substitute to solvent-based cleaners! Save on energy and costs with Low Energy Surfactant (LES) Technology! These unique surfactants can clean and degrease effectively at lower temperatures, thus generating substantial energy savings. Lower the temperature of your automated industrial parts washers today!

### STAR™ 200

Concentrated alkaline cleaner/degreaser for parts washing systems

STAR™ 200 is a foamless demulsifying alkaline cleaner/degreaser specially formulated for cleaning iron, cast iron, steel, and stainless steel. Excellent at dissolving thick oil, grease, lubricants, and grime.

### Applications

- ▷ Hot parts washers, cleaning tunnels, ultrasonic baths, turntable washers, spray cabinets, and agitated tanks
- ▷ Maintenance, repair, and cleaning applications



|             |        |         |           |        |           |
|-------------|--------|---------|-----------|--------|-----------|
| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|             | Metric | US Gal  |           |        |           |
| Liquid      | 20 L   | 5.2 gal | 53-G 067  | L-107  | 1         |
| Liquid      | 208 L  | 55 gal  | 53-G 068  | L-107  | 1         |
| Liquid      | 1000 L | 264 gal | 53-G 069  | L-107  | 1         |

### Benefits

- ▷ Less chemical required per cleaning
- ▷ Lasts longer
- ▷ Saves money
- ▷ Lowers energy costs

### Features

- ▷ Highly concentrated - dilutable up to 1:200
- ▷ Phosphate-free, VOC-Free
- ▷ Biodegradable
- ▷ Short term built-in corrosion inhibitors

## ALUSTAR™ 200

Automated parts washer cleaner and degreaser for non-ferrous alloys

Alustar™ 200 is a foamless demulsifying cleaner/degreaser that dissolves and removes thick oil, grease, lubricants, and grime from aluminum and other nonferrous alloys. Ideal for applications that are subject to strict cleaning specifications.

**NSF category A8, registration #145452**

### Applications

- ▷ Automated and semi-automated hot parts washers, cleaning tunnels, ultrasonic baths, turntable washers, spray cabinets, and agitated tanks
- ▷ Removing cutting oils after machining



| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|---------|-----------|--------|-----------|
|             | Metric | US Gal  |           |        |           |
| Liquid      | 3.78 L | 1 gal   | 53-G 705  | L-79   | 1         |
| Liquid      | 20 L   | 5.2 gal | 53-G 707  | L-79   | 1         |
| Liquid      | 208 L  | 55 gal  | 53-G 708  | L-79   | 1         |
| Liquid      | 1000 L | 264 gal | 53-G 709  | L-79   | 1         |

## ALUSTAR 300™

Heavy-duty automated parts washer cleaner and degreaser for non-ferrous alloys

Alustar™ 300 is a foamless demulsifying cleaner/ degreaser that easily dissolves and removes persistent oil, grease, lubricants and grime from aluminum, steel, and stainless steel. Excellent for heavy-duty maintenance, repair, and operations cleaning applications.

**NSF category A8, registration #145453**

### Applications

- ▷ Automated and semi-automated hot parts washers, cleaning tunnels, ultrasonic baths, turntable washers, spray cabinets, and agitated tanks
- ▷ Heavy-duty maintenance, repair, and cleaning applications



| Description | Size   |         | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|---------|-----------|--------|-----------|
|             | Metric | US Gal  |           |        |           |
| Liquid      | 20 L   | 5.2 gal | 53-G 757  | L-106  | 1         |
| Liquid      | 208 L  | 55 gal  | 53-G 758  | L-106  | 1         |
| Liquid      | 1000 L | 264 gal | 53-G 759  | L-106  | 1         |



### Benefits

- ▷ Less chemical required per cleaning
- ▷ Lasts longer
- ▷ Saves money
- ▷ Lowers energy costs

### Features

- ▷ Highly concentrated - dilutable up to 1:200
- ▷ Phosphate-free, VOC-Free
- ▷ Biodegradable
- ▷ Low Energy Surfactant Technology cleans at lower temperatures



### Benefits

- ▷ Less chemical required per cleaning
- ▷ Lasts longer
- ▷ Saves money
- ▷ Lowers energy costs

### Features

- ▷ Highly concentrated - dilutable up to 1:200
- ▷ Phosphate-free, VOC-Free
- ▷ Biodegradable
- ▷ Short term protection

## Corrosion Inhibitor

For STAR™ and UNO™ family of aqueous cleaners  
Provides additional corrosion protection when used with aqueous cleaners. Is concentrated, 100% active ingredients and is foamless.

### Applications

- ▶ Use with any UNO™ and STAR™ Cleaning Solution
- ▶ Add to cleaning solution and/or rinsing water



| Description | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|-------------|-----------|--------|-----------|
|             | Metric | US Gal      |           |        |           |
| Sprayer     | 950 ml | 32.1 fl.oz. | 53-G 001  | L-56   | 1         |
| Liquid      | 20 L   | 5.2 gal     | 53-G 927  | L-56   | 1         |
| Liquid      | 208 L  | 55 gal      | 53-G 928  | L-56   | 1         |



### Features

- ▶ Non-flammable. Non-hazardous
- ▶ Solvent, phosphate and butyl-free
- ▶ Protects steel parts and equipment from flash-rust

## Defoamer additive

For STAR™ and UNO™ family of aqueous cleaners  
Quick and permanent foam dissipation for aqueous cleaners.  
Comes concentrated with a suggested dilution rate of 0.5% to 1%.



| Description | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|-------------|-----------|--------|-----------|
|             | Metric | US Gal      |           |        |           |
| Sprayer     | 950 ml | 32.1 fl.oz. | 53-G 002  | L-57   | 1         |
| Liquid      | 20 L   | 5.2 gal     | 53-G 937  | L-57   | 1         |



### Features

- ▶ Silicone-free
- ▶ Eliminates all foaming with water-based products

## Titration Kit

For use with STAR™ and UNO™ family of products  
High concentration cleaning solutions such as the STAR™ and UNO™ family can be diluted with water to alter the cleaning strength of the product. With the titration kit, you can easily determine the exact level of concentration of your solution to maintain a high level of cleaning productivity.

### Applications

- ▶ For use with automated mechanical cleaning systems
- ▶ For immersion tank

| Order No. | (M)SDS         | Std. Pkg. |
|-----------|----------------|-----------|
| 53-L 160  | L-145<br>L-144 | 1         |



## Proportioning system

Offers a complete system for dispensing BIO-CIRCLE® bulk aqueous cleaners. It will automatically dilute the solution and fill spray bottles, buckets and other containers.

| Order No. | Std. Pkg. |
|-----------|-----------|
| 53-L 162  | 1         |

### Features

- ▶ 2 high flow (bucket feed)
- ▶ 2 low flow (bottle feed)
- ▶ Push button activated
- ▶ Metering tips from 350:1 to 3.5:1 at 3.5 GPM

# STAINLESS CLEANING

## E-NOX CLEAN™

High strength stainless steel cleaner

E-NOX CLEAN™ is a highly concentrated gel formulation cleaner that removes tarnish, rust, and mineral deposits and brightens surfaces. Outperforms abrasives while saving time and energy.

**NSF category A3, registration #142614**

### Applications

- ▷ *Brightening stained and exposed finishes*
- ▷ *Cleaning of food and pharmaceutical equipment*

| Description          | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|----------------------|--------|-------------|-----------|--------|-----------|
|                      | Metric | US Gal      |           |        |           |
| Gel, trigger sprayer | 500 ml | 16.9 fl.oz. | 53-G 303  | L-59   | 12        |
| Liquid               | 3.78 L | 1 gal       | 53-G 305  | L-59   | 1         |
| Liquid               | 20 L   | 5.2 gal     | 53-G 307  | L-59   | 1         |
| Liquid               | 208 L  | 55 gal      | 53-G 308  | L-59   | 1         |



### Benefits

- ▷ *Fast acting*
- ▷ *Clean, precise application minimizes dripping*
- ▷ *Improves efficiency*

### Features

- ▷ *Nonflammable, VOC-free*
- ▷ *Safe for use on aluminum, chrome, and other nonferrous metals*
- ▷ *Free of nitric and hydrochloric acid*
- ▷ *Gel sticks to vertical surfaces*

## E-NOX SHINE™

Stainless steel cleaner and protector

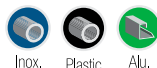
E-NOX SHINE™ is a surface cleaner designed to remove light contaminants such as dust, light oils, and fingerprints prior to shipping. Creates a thin, invisible protective film to preserve the quality of your work until it reaches its final destination.

**NSF category P1, registration #131393**

### Applications

- ▷ *Removing oil, carbon, light dirt, and fingerprints*
- ▷ *Brightening and protecting indoor finishes*

| Description     | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------|--------|-------------|-----------|--------|-----------|
|                 | Metric | US Gal      |           |        |           |
| Trigger sprayer | 500 ml | 16.9 fl.oz. | 53-G 403  | L-102  | 12        |
| Liquid          | 3.78 L | 1 gal       | 53-G 405  | L-102  | 1         |
| Liquid          | 20 L   | 5.2 gal     | 53-G 407  | L-102  | 1         |
| Liquid          | 208 L  | 55 gal      | 53-G 408  | L-102  | 1         |



### Benefits

- ▷ *Gives finished work a polished, flawless look*

### Features

- ▷ *Nonflammable, silicone-free, phosphate-free*
- ▷ *Uniform finish, no streaking*
- ▷ *Ready to use*

# RUST-REMOVAL AND BRIGHTENING

## BIO-RUST™

Non-caustic rust remover

BIO-RUST™ is a non-caustic that safely eliminates rust on all ferrous alloys. **NSF category A2, registration #146173**

### Applications

- ▷ Removal of rust and other metallic particles
- ▷ We recommend degreasing parts before using BIO-RUST™.



| Description     | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------|--------|-------------|-----------|--------|-----------|
|                 | Metric | US Gal      |           |        |           |
| Trigger sprayer | 500 ml | 16.9 fl.oz. | 53-G 243  | L-134  | 12        |
| Liquid          | 20 L   | 5.2 gal     | 53-G 247  | L-134  | 1         |
| Liquid          | 208 L  | 55 gal      | 53-G 248  | L-134  | 1         |

### ACCESSORIES

|                                    | Order No. |
|------------------------------------|-----------|
| Chrome plated drum pump            | 53-L 116  |
| Spout for 20 L square plastic pail | 53-L 207  |
| Spout for 208L plastic drum 2" NPT | 53-L 209  |

Use with CleanBox® Dip for pre-soaking

Order no.: 55-D 010 (See details page 221)  
Order no. for dolly: 55-B 083



### Benefits

- ▷ Reduces scrap rate
- ▷ Requires less time and effort than abrasives
- ▷ Safe to handle and store

### Features

- ▷ Removes rust without attacking surface material
- ▷ Slightly acidic pH range, non-caustic and biodegradable
- ▷ Nonflammable, phosphate-free, VOC-free
- ▷ Non-hazardous—OSHA and WHMIS compliant

## POWER CLEANER 100™

Rust and mineral remover plus brightener

POWER CLEANER 100™ is a highly concentrated cleaner/brightener that quickly breaks down rust, dissolves limescale, eliminates mineral deposits, and brightens metallic surfaces.

**NSF category A3, registration #141944**

### Applications

- ▷ Removing rust, limescale, and mineral deposits on sheet metal, metallic structures, heating coils, pumps, heat exchanger plates, and storage tanks
- ▷ Brightening metallic surfaces



| Description     | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------|--------|-------------|-----------|--------|-----------|
|                 | Metric | US Gal      |           |        |           |
| Trigger sprayer | 500 ml | 16.9 fl.oz. | 53-G 253  | L-23   | 12        |
| Liquid          | 3.78 L | 1 gal       | 53-G 255  | L-23   | 1         |
| Liquid          | 20 L   | 5.2 gal     | 53-G 257  | L-23   | 1         |

### ACCESSORIES

|  | Order No. |
|--|-----------|
| Spout for 20 L square plastic pail                     | 53-L 207  |
| Empty refillable trigger sprayer for POWER CLEANER 100 | 53-L 309  |



### Benefits

- ▷ Fast acting
- ▷ Easier and more efficient than manual rust removal
- ▷ No need to salvage rusted parts or equipment

### Features

- ▷ Does not contain nitric, hydrofluoric or hydrochloric acid
- ▷ Fully restores dull or tarnished metal surfaces
- ▷ Can be diluted up to 1:40 with water



# PAINT, INK, GLUE AND ADHESIVE CLEANING

## SC 400™

High strength citrus solvent

Formulated with citrus peel extracts, SC 400™ is a heavy duty, powerful, fast-acting alternative to petroleum-based solvent cleaners. Easily removes adhesives, glues, sealants, rubber residues, tar, paint, ink, pen marks, grease, lubricants, and oils.

### Applications

- ▷ *Cleaning machine parts, tools, pumps, gears*
- ▷ *Not for use on plastics, rubber, and other solvent-sensitive materials*



| Description     | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-----------------|--------|-------------|-----------|--------|-----------|
|                 | Metric | US Gal      |           |        |           |
| Trigger sprayer | 500 ml | 16.9 fl.oz. | 53-G 513  | L-68   | 12        |
| Liquid          | 3.78 L | 1 gal       | 53-G 516  | L-68   | 1         |
| Liquid          | 20 L   | 5.2 gal     | 53-G 517  | L-68   | 1         |
| Liquid          | 200 L  | 52.8 gal    | 53-G 518  | L-68   | 1         |

### ACCESSORIES

|  | Order No. |
|--|-----------|
| Industrial pump sprayer                                      | 53-L 120  |
| Spout for 20 L round metal pail and 200L metal drum 3/4" NPT | 53-L 208  |
| Empty refillable trigger sprayer for SC 400                  | 53-L 313  |
| Bio-Circle Air Drying Gun                                    | 55-B 085  |

## SC 400™ FOAM

High strength adhesive and ink remover

SC 400™ Foam is a high strength solvent with which adhesive substances even when hardened can be removed. Special additives enable a long-lasting depth effect of the solvent so that even the most difficult dried adhesive films can be cleaned.

**NSF category K3, registration #156603**

### Applications

- ▷ *Cleaning machine parts, tools, pumps, gears*
- ▷ *Not for use on plastics, rubber, and other solvent-sensitive materials*



| Description | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|-------------|-----------|--------|-----------|
|             | Metric | US Gal      |           |        |           |
| Aerosol     | 400 ml | 11.5 fl.oz. | 53-G 512  | L-171  | 12        |



### Benefits

- ▷ *Cuts through contaminants quickly and effectively*
- ▷ *Slow drying formula covers larger surface areas*
- ▷ *Safer than more flammable alternatives*

### Features

- ▷ *Formulated with 100% natural and renewable ingredients*
- ▷ *Low residue, slow drying*
- ▷ *High flash point 113 °F (45 °C)*



### Benefits

- ▷ *Removes labels, adhesive, sealing materials, carbon residues, lacquers, greases, oils, resin, tar, lubricant and sliding means residues*
- ▷ *Suitable for metal, wood, ceramics, glass*
- ▷ *The corrosion protection agent protects the metal surface on bare metal parts*

### Features

- ▷ *Special additives to enable long-lasting depth effect*
- ▷ *Colourless*

## PRO CLEAN™



High strength natural solvent

Made from bio-renewable extracts, PRO CLEAN™ is a powerful, 100% concentrated solvent that removes hard-to-clean contaminants. Its Nature Boost™ formula quickly and easily removes paint, ink, adhesives, anti-corrosion waxes, resins and tar.

**NSF category K3, registration number 146172**



| Description | Size   |          | Order No. | (M)SDS |
|-------------|--------|----------|-----------|--------|
|             | Metric | US Gal   |           |        |
| Sprayer     | 500 ml | 16.9 oz. | 53-G 523  | L-169  |
| Liquid      | 3.78 L | 1 gal    | 53-G 525  | L-169  |
| Liquid      | 20 L   | 5.2 gal  | 53-G 527  | L-169  |
| Liquid      | 208 L  | 55 gal   | 53-G 528  | L-169  |



### Benefits

- ▶ *Creates a safer, more pleasant work environment*
- ▶ *Safer to handle than toxic and volatile solvents*
- ▶ *Improves sustainability*
- ▶ *Reduces workplace liability*

### Features

- ▶ *Formulated with natural and bio-renewable ingredients*
- ▶ *Test before use on rubber*
- ▶ *Non-corrosive*
- ▶ *High-strength formulation—fast acting, very effective*

## ALL-SEASON™

**NEW**

Powerful all-weather cleaner

ALL-SEASON™ is a less toxic alternative to solvent cleaning for tough applications, even at the most extreme temperatures. Bitumen, tar and asphalt don't stand a chance even at cold temperatures. ALL-SEASON™ is the perfect alternative to solvent based and d-limonene based cleaners.

### Applications

- ▶ *Can be used in spray applications for manual cleaning or pressure washing for large surface applications*
- ▶ *Provides high solvency for fast and easy removal of tough contaminants: grease, oils, tar, asphalt and bitumen*



| Description | Size   |          | Order No. | (M)SDS |
|-------------|--------|----------|-----------|--------|
|             | Metric | US Gal   |           |        |
| Sprayer     | 500 ml | 16.9 oz. | 53-G 553  | L-175  |
| Liquid      | 3.78 L | 1 gal    | 53-G 555  | L-175  |
| Liquid      | 20 L   | 5.2 gal  | 53-G 557  | L-175  |
| Liquid      | 208 L  | 55 gal   | 53-G 558  | L-175  |
| Liquid      | 1000 L | 264 gal  | 53-G 559  | L-175  |

### ACCESSORIES

|                           | Order No. |
|---------------------------|-----------|
| Industrial pump sprayer   | 53-L 120  |
| Spout for 20 L pail       | 53-L 207  |
| Spout for 208 L drum      | 53-L 209  |
| CleanBox® Dip Bio-Circle® | 53-L 010  |



### Benefits

- ▶ *High-strength formulation, fast acting, very effective*
- ▶ *Ready-to-use formulation, no dilution required*
- ▶ *Safe on all metals, non-corrosive*

### Features

- ▶ *Formulated to clean at any temperature, from -50°C (-58°F) to over 100°C (212°F)*
- ▶ *Separates from water for easier recovery of waste*
- ▶ *VOC-reduced*

# PRE-PRIMING PRE-SHIPPING

## FT 100™

Stainless steel and glass surface cleaner

FT 100™ is a surfactant-free, fast-drying cleaning agent that removes light oil pollution, dust, fingerprints, felt pen, and pencil residues from lacquered surfaces, plastics, glass, mirrors, metals, and all highly polished glossy surfaces.

**NSF category A1, registration #154672 (liquids), #156602 (aerosol)**

### Applications

- ▷ *Final step before any treatment in process (painting, varnish, sealing, gluing, coating, etc.)*
- ▷ *Final step before showcasing a final product*

| Description | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|----------|-----------|--------|-----------|
|             | Metric | US Gal   |           |        |           |
| Aerosol     | 400 ml | 13.5 oz. | 53-G 182  | L-172  | 12        |
| Sprayer     | 500 ml | 16.9 oz. | 53-G 183  | L-167  | 12        |
| Liquid      | 20 L   | 5.2 gal  | 53-G 187  | L-167  | 1         |
| Liquid      | 208 L  | 55 gal   | 53-G 188  | L-167  | 1         |



### Benefits

- ▷ *Leaves no residue, streaks, or stains*
- ▷ *Ready to use*

### Features

- ▷ *One product for multiple processes and surfaces*
- ▷ *Fast acting, fast drying*
- ▷ *VOC compliant (per CARB 310)*

## FT 200™

Fast drying surface preparation cleaner

FT 200™ prepares metallic surfaces for painting, priming, coating, bonding, corrosion protection, metalizing, welding, and a variety of other processes. Evaporates after it's wiped off surfaces. Lasts 7x longer than traditional fast-evaporating surface preparation solvents such as acetone.

**NSF category A1, registration #142612**

### Applications

- ▷ *Preparing metallic surfaces prior to coating*
- ▷ *Removal of light contaminants such as processing oils, anti-corrosion oils, and light waxes*

| Description             | Size   |          | Order No. | (M)SDS | Std. Pkg. |
|-------------------------|--------|----------|-----------|--------|-----------|
|                         | Metric | US Gal   |           |        |           |
| Liquid, trigger sprayer | 500 ml | 16.9 oz. | 53-G 173  | L-128  | 12        |
| Liquid                  | 20 L   | 5.2 gal  | 53-G 177  | L-128  | 1         |
| Liquid                  | 208 L  | 55 gal   | 53-G 178  | L-128  | 1         |



### Benefits

- ▷ *Increased surface coverage*
- ▷ *Improves adhesion quality in coating applications*
- ▷ *A safer alternative to traditional solvents*

### Features

- ▷ *Phosphate free and biodegradable*
- ▷ *Low VOC (7% content), slow evaporation rate, and minimal odor*
- ▷ *High flash point*
- ▷ *Residue-free after wiping*

# CLEANING, LUBRICATING AND TEMPORARY PROTECTION

## OMNI™

Cleaner/lubricant/protector (CLP)  
 Multifunctional maintenance cleaner/lubricant/protector.  
 Excellent penetrating and lubricating capability.  
 Protects surfaces from oxidation.  
**NSF category A8, registration #142610**

### Applications

- ▷ Dissolving light rust and graphite
- ▷ Loosening rusted and seized hardware

### Benefits

- ▷ Cleans, penetrates, lubricates, and protects in one easy step
- ▷ Versatile – can be used for multiple maintenance applications
- ▷ Reduces rework
- ▷ Creates a safer, healthier work environment

### Features

- ▷ Nonflammable, silicone-free, Teflon-free
- ▷ High flash point 125 °C (275 °F)
- ▷ Dielectric strength 350 Volts/Mil, dielectric breakdown voltage 35 000 Volts as per ASTM D877-13, procedure A
- ▷ Pleasant scent—no harsh fumes or vapors



| Description | Size   |             | Order No. | (M)SDS | Std. Pkg. |
|-------------|--------|-------------|-----------|--------|-----------|
|             | Metric | US Gal      |           |        |           |
| Aerosol     | 480 ml | 16.2 fl.oz. | 53-X 002  | L-73   | 12        |
| Sprayer     | 500 ml | 16.9 oz.    | 53-X 003  | L-74   | 12        |
| Liquid      | 3.78 L | 1 gal       | 53-X 005  | L-74   | 1         |
| Liquid      | 20 L   | 5.2 gal     | 53-X 007  | L-74   | 1         |
| Liquid      | 208 L  | 55 gal      | 53-X 008  | L-74   | 1         |
| Liquid      | 1000 L | 264.6 gal   | 53-X 009  | L-74   | 1         |

### ACCESSORIES

|  | Order No. |
|--|-----------|
| Industrial pump sprayer                        | 53-L 120  |
| Spout for 20 L square plastic pail             | 53-L 207  |
| Spout for 208L plastic drum 2" NPT             | 53-L 209  |
| Empty refillable trigger sprayer for OMNI      | 53-L 314  |
| Bio-Circle® Powercloth microfiber / Pack of 10 | 57-M 001  |



# AIR FORCE CB 100™ START-UP PACKAGES

**NEW**

*The Air Force aerosol can refilling station offers the convenience of using aerosol cans with the cost effectiveness of buying bulk packaging*

The Air Force station automatically dispenses CB 100™, the all-natural cleaner and degreaser, and compressed air into refillable spray cans helping you reduce costs associated with the disposal of harmful aerosol cans as well as your environmental impact.



## AIR FORCE CB 100™ 208 L / 55 gal.

Order no.  
**57-D 058**

**The start-up package includes:**

- ▷ 1 x 53-G 168 CB 100 208 L / 55 gal. drum
- ▷ 1 x 57-D 000 Air Force Generic Orange Station
- ▷ 4 x 53-B 105 refillable bottle



### AIR FORCE refillable sprayer

Durable and light weight aluminum Air Force sprayer comes with a specific label to clearly identify the contents.



$$\underline{1X\ 208L\ DRUM = 700\ CANS}$$

*No more disposing of hazardous aerosol cans*



**Air refilling pod**  
Order No.: 53-M 010



| Accessories       | Order No. |
|-------------------|-----------|
| Air refilling pod | 53-M 010  |
| Drum adaptor      | 53-M 038  |

# AIR FORCE AF-OMNI™ START-UP PACKAGES

AF-OMNI is a system with a base unit that automatically dispenses AF-OMNI liquid and compressed air into refillable spray cans. Save money by buying in bulk and reduce costs associated with the disposal of aerosol cans, all while reducing your environmental impact.

## Air Force AF-OMNI™ 20 L / 5.3 gal.

**Includes:**

- ▷ Use of Air Force OMNI station
- ▷ 1 x 53-X 007 OMNI 20 L / 5.3 gal
- ▷ 1 x 53-M 058 pail adaptor
- ▷ 6 x 53-M 132 refillable bottles
- ▷ 6 x 53-M 054 variable spray valves

**Order No.:** 53-M 012AF0BB



## Air Force AF-OMNI™ 208 L / 55 gal.

**Includes:**

- ▷ Use of Air Force OMNI station
- ▷ 1 x 53-X 008 OMNI 208 L / 55 gal
- ▷ 1 x 53-M 038 drum adaptor
- ▷ 1 x 53-M 025 safety valve
- ▷ 6 x 53-M 132 refillable bottles
- ▷ 6 x 53-M 054 variable spray valves

**Order No.:** 53-M 012AFOD



## AF-OMNI™

Refillable sprayer

Durable and light weight aluminum OMNI™ sprayer comes with an OMNI™ specific label to clearly identify the contents and ensure full workplace compliance.

| Fill capacity    | Operating pressure | Order No. |
|------------------|--------------------|-----------|
| 400 ml / 13.5 oz | 90 - 125 psi       | 53-M 132  |



### Benefits

- ▷ Eliminates aerosol disposal costs
- ▷ Reduces environmental impact
- ▷ Improves sustainability

|   | Order No. |
|---|-----------|
| <b>Optional nozzles</b>                                       |           |
| Wide spray  | 53-M 022  |
| Long extension tube   | 53-M 052  |
| Short extension tube  | 53-M 053  |
| Variable spray  | 53-M 054  |
| <b>Accessories</b>  |           |
| Air refilling station   | 53-M 010  |
| Air nozzle  | 53-M 015  |
| Replacement valve kit<br>(includes 2 valves and 2 spray tips) | 53-M 030  |
| Brass screw cap   | 53-M 037  |
| Replacement filling valve                                     | 53-M 039  |
| Pail adaptor  | 53-M 041  |
| Drum adaptor  | 53-M 038  |
| Safety valve  | 53-M 025  |

# OUR CONTRIBUTION TO BUILD A BETTER WORLD

In the last 15 years, we've eliminated more than 15,000 solvent tubs from daily use in a variety of industrial maintenance settings. This means approximately 75,000 workers are no more exposed to dangerous solvents, and up to 825,000 gallons of solvents have been removed from the workplace and the industrial waste stream. In addition, an estimated 3 to 6 million pounds of VOCs no longer threaten the environment.

# ACCESSORIES





## Threaded throw-away adaptors

| Description              | Order No. |
|--------------------------|-----------|
| For 1/8" wheels (5/8"NC) | 08-B 002  |
| For 1/4" wheels (5/8"NC) | 08-B 001  |
| For 1/2" wheels (5/8"NC) | 08-B 003  |



## Reusable adaptor kit

| Description                 | Order No. |
|-----------------------------|-----------|
| For depressed center wheels | 08-B 031  |



## Mandrels for ZIP wheels

| Description                                     | Order No. |
|---|-----------|
| <b>Flush mandrels with 1/4" shaft</b>           |           |
| For 2 and 3" wheels, 1/4" and 3/8" arbor        | 11-L 007  |
| For 2" wheels, 5/16" arbor                      | 11-L 001  |
| For 3" and 4" wheels, 1/4" arbor                | 11-L 006  |
| For 3" and 4" wheels, 3/8" arbor                | 11-L 003  |
| <b>General purpose mandrels with 1/4" shaft</b> |           |
| For 2" wheels, 3/8" arbor                       | 11-L 008  |
| For 2" wheels, 5/16" arbor                      | 11-L 002  |
| For 3" and 4" wheels, 3/8" arbor                | 11-L 004  |
| <b>with 5/16" shaft</b>                         |           |
| For 3" and 4" wheels, 3/8" arbor                | 11-L 005  |



## Mandrel for finishing wheels

| Description   | Order No. |
|---|-----------|
| Plastic, 8 mm shaft, self-expanding, flush mounting for 1" thick wheels | 07-C 003  |



## 1/4" shaft for TWIST backing pads

| Description         | Order No. |
|---------------------|-----------|
| with 1/4"-20 thread |           |
| For 2" and 3" pads  | 04-X 001  |



## Clamping flanges

| Description   | Order No. |
|---|-----------|
| Clamping flanges set to mount 9" cut-off wheels on 5/8"-11 spindles | 30-B 022  |



## Mounting accessories for FX wheels

Mandrels for use on straight grinders and drills

| Description   | Order No. |
|---|-----------|
| <b>For use with 4" FX wheels</b>                    |           |
| 1/4" shaft  | 07-X 004  |
| 8 mm shaft  | 07-X 003  |
| <b>For use with 6" FX wheels</b>                    |           |
| 1/4" shaft  | 07-X 006  |
| 8 mm shaft  | 07-X 005  |
| <b>Extension mandrels for use on angle grinders</b> |           |
| M14 x 2.0 thread                                    | 07-C 005  |
| 5/8"-11 thread                                      | 07-C 006  |



Two wheels can be mounted on each mandrel.

## Wheel dressers

| Description                     | Order No. |
|---------------------------------|-----------|
| <b>For bench grinder wheels</b> |           |
| Standard                        | 12-E 001  |
| Heavy-duty                      | 12-E 002  |
| <b>Replacement wheels</b>       |           |
| Set for 12-E 001                | 12-E 004  |
| Set for 12-E 002                | 12-E 005  |



## Reducer bushings

| Description                                   | Order No. |
|---|-----------|
| Set 3/4" wide, from 1" to 3/4", 5/8" and 1/2" | 12-E 006  |
| Set 1" wide, from 1" to 3/4", 5/8" and 1/2"   | 12-E 007  |
| Pair of bushings from 1" to 7/8"              | 12-E 008  |

## Extra clamping nuts

| Description                            | Order No. |
|--|-----------|
| <b>For 4" backing pads</b>             |           |
| 3/8"-24                                | 15-D 015  |
| <b>For 4 1/2" and 5" backing pads</b>  |           |
| M10 x 1.25                             | 15-D 010  |
| 5/8"-11                                | 15-D 014  |
| <b>For 6" and 7" backing pads</b>      |           |
| 5/8"-11                                | 15-H 014  |
| <b>For 7" Turbo Action backing pad</b> |           |
| 5/8"-11                                | 15-M 014  |
| <b>For 4 1/2" and 5" backing pads</b>  |           |
| 5/8"-11                                | 15-D 024  |
| <b>For 7" backing pads</b>             |           |
| 5/8"-11                                | 15-H 025  |



## Spacer washers

| Description                        | Order No. |
|------------------------------------|-----------|
| For grinders with: 5/8"-11 spindle | 07-Q 001  |
| For grinders with: M14x2.0 spindle | 07-Z 005  |

## Wire brush adaptors and mandrels

| Description  | Order No. |
|--|-----------|
| <b>Use these threaded adaptors to convert brushes with 5/8"-11 arbor</b> |           |
| To M10 × 1.25 female   | 13-D 001  |
| To M10 × 1.5 female  | 13-D 002  |
| To 3/8"-24 female  | 13-D 003  |
| To 3/8"-16 female  | 13-D 007  |
| <b>Use these mandrels for double-sided knot-twisted mounted brushes</b>  |           |
| To fit with 13-C 303 (3/8" X 1/4")                                       | 13-D 008  |
| To fit with 13-C 404 (1/2" X 1/4")                                       | 13-D 009  |



## SPIN-ON performance kit

| Description   | Order No. |
|---|-----------|
| Contains 1 universal clamping nut holder for all types of clamping flanges. Allows quick and easy storage of clamping flange when not in use. Also includes 2 silicone rings. | 30-B 024  |



## Mounting flanges

| Description   | Order No. |
|---|-----------|
| 5/8"-11 clamping nut for 6150, 6161, 6170, 6190, 6255, 6260, 6350 and 6360.   | 30-B 037  |
| Thick backing flange for a flush fit and minimal exposure of spindle beyond the clamping nut for Walter grinders with: 5/8"-11 spindles | 30-B 017  |



## Quick release backing flange

| Description  | Order No. |
|--|-----------|
| For quick and easy removal of wheel  | 30-B 057  |
| Special heat resistant silicone ring for retention of the back flange to the spindle. Package of 10. | 30-B 027  |
| Quick nut 5/8"-11  | 30-B 020  |



## Nut holder

| Description   | Order No. |
|---|-----------|
| Thread your clamping nut directly on your grinder when not in use. Prevents losses. | 30-B 023  |



## Flanges for flush mounting wheels

| Description   | Order No. |
|---|-----------|
| Thick backing flange for a flush fit and minimal exposure of spindle beyond the clamping nut for Walter grinders with: 5/8"-11 spindles | 30-B 017  |
| <b>Flush mounting set (includes special flange and clamping nut)</b>  |           |
| Complete set for a flush fit and minimal spindle exposure beyond the clamping nut, for other brands of grinders with: 5/8"-11 spindles  | 30-B 021  |
| <b>ErgoFlex mounting set</b>  |           |
| 5/8"-11 spindle   | 30-B 030  |



## Spacer washers

| Description                        | Order No. |
|------------------------------------|-----------|
| For grinders with: 5/8"-11 spindle | 07-Q 001  |
| For grinders with: M14×2.0 spindle | 07-Z 005  |



## Pin keys

| Description       | Order No. |
|-------------------|-----------|
| For clamping nuts | 48-Z 148  |



## Side handles

| Description  | Order No. |
|--|-----------|
| 4-1/2", 5" and 6", Quick-Step Big Buff and Line-Mate III | 30-B 075  |
| 7" and 9"  | 48-M 401  |
| Straight grinder 6145                                    | 48-L 555  |



## Anti-vibration handle

| Description    | Order No. |
|----------------|-----------|
| MAXI 7" and 9" | 32-B 078  |

## Carrying case

| Description  | Order No. |
|--|-----------|
| Sturdy steel carrying case with protective foam and ample room for accessories. For 6141, 6145, 6150, 6161, 6255, and 6260 grinders. | 30-B 010  |



## Flexible shaft

| Description  | Order No. |
|--|-----------|
| For delicate finishing work with 6141 and 6145. 1/4" collet, 5 ft. long. | 30-B 050  |



## Bench mount

| Description                                     | Order No. |
|---|-----------|
| For use with flexible shaft, for 6141 and 6145. | 30-B 002  |



## Replacement collets

| Size                      | Order No. |
|---------------------------|-----------|
| <b>For 6141 and 6145.</b> |           |
| 1/4"                      | 30-B 046  |
| 1/8"                      | 30-B 047  |
| 6 mm                      | 30-B 048  |



## Special "Top-Up" lubricants

| Description  | Order No. |
|--|-----------|
| For models: 6145, 6150, 6161, 6170, 6190, 6255, 6260, 6265, 6268, 6330, 6350, 6352, 6360 and 6362. | 48-Z 392  |



## Carbon brush Diamond brush seating stick

| Order No. |
|-----------|
| 48-Z 449  |



## Spouts

| Description  | Order No. |
|--|-----------|
| 53-L 210*  |           |
| 53-L 209*  |           |
| 53-L 207*  |           |
| 53-L 113*  |           |
| Spout for 5 L / 1.3 gal plastic pail                               | 53-L 113  |
| Spout for 20 L / 5.3 gal square plastic pail                       | 53-L 207  |
| Spout for 208 L plastic drum and 200 L / 55 gal metal drum, 2" NPT | 53-L 209  |
| Spout for 200 L metal drum, 3/4" NPT                               | 53-L 210  |

## Walter industrial gloves

Made of 100% black goatskin leather, with neoprene inserts that reduce vibration. The thumb curve is made with Kevlar™.

| Size        | Order No. |
|-------------|-----------|
| Large       | 30-B 093  |
| Extra-Large | 30-B 095  |



## Accessories for air grinders

| Description   | Order No. |
|---|-----------|
| <b>Use these adaptors to convert accessories with 5/8"-11 arbors</b>                      |           |
| To 3/8"-16 (male)   | 13-D 004  |
| To 5/16"-24 (male)  | 13-D 005  |
| <b>Use these extensions to mount accessories</b>  |           |
| With 3/8"-24 on spindles with 3/8"-24 thread  | 08-B 006  |
| With 3/8"-24 on spindles with 7/16"-20 thread   | 08-B 005  |
| With 5/8"-11 on spindles with 1/2"-13 thread  | 08-B 008  |
| <b>Clamping nut for use with above extension 3/8"-24 thread, to mount grinding wheels</b> |           |
| With 5/8" arbor   | 08-B 007  |
| <b>Mounting flange to mount 4" type 27 grinding wheels on air grinders</b>                |           |
| with 3/8"-24 spindle  | 08-B 004  |



## Cutting guard

| Size   | Order No. |
|--|-----------|
| <b>Designed to make all cutting operations even safer.</b> |           |
| 3"   | 30-B 051  |
| 7"   | 30-B 065  |
| 9"   | 30-B 066  |



## Grinder Grip™ magnet

Strong magnet to fix your grinder to any ferrous metal surface.



| Description  | Order No. |
|--|-----------|
| <b>Compatible with DEWALT grinder models:</b> DWE402, DW831, DWE43066, DWE43113, DWE43114, DWE43840, DCG413B, D28065, D28402, and others | 30-G 002  |
| <b>Compatible with MAKITA grinder models:</b> 9005B, GA5020, 9558, GA5010, GA5043, GA6010, GA6020, 9566 and others                       | 30-G 003  |
| <b>Compatible with MILWAUKEE grinder models:</b> 6121, 6124, 6130, 2780, 6143, 6116, 6117, 6142, 2680, 2981, 2783 and others             | 30-G 004  |
| <b>Compatible with HILTI grinder models:</b> AG500-A22, AG600-A36, AG450-7, AG500-12, AG500-7, AG500-11 and others                       | 30-G 005  |

## Refillable trigger sprayers

Sprayers equipped with precision mechanism – guarantees minimal constant spray mist / no dripping. Clearly identified with product specific labels showing product features, GHS information and directions for use.



| Description   | Size   |         | Order No. | Std. Pkg. |
|---------------|--------|---------|-----------|-----------|
|               | Metric | US Gal  |           |           |
| SPATTER BLOCK | 500 ml | 16.9 oz | 53-L 321  | 1         |
| E-WELD 3      | 500 ml | 16.9 oz | 53-L 320  | 1         |
| E-WELD 4      | 500 ml | 16.9 oz | 53-L 338  | 1         |



## Bio-Circle® POWERCLOTH™

- ▷ Ideal for streak free clean-ups
- ▷ Non-abrasive, won't scratch mirror finish, paint or clear coat



| Description | Order No. | Std. Pkg. |
|-------------|-----------|-----------|
| Bag         | 57-M 001  | 10        |

## REFILLABLE TRIGGER SPRAYERS

Practical and sturdy, all bottles are clearly identified with product specific labels showing product features, hazard information and directions for use. High-quality, resistant trigger for longest life. Transparent bottle allows you to see product level. Can be refilled hundreds of times.



| Description       | Size   |         | Order No. | Std. Pkg. |
|-------------------|--------|---------|-----------|-----------|
|                   | Metric | US Gal  |           |           |
| UNO S F dilution  | 950 ml | 32.1 oz | 53-L 158  | 1         |
| UNO S F           | 500 ml | 16.9 oz | 53-L 315  | 1         |
| POWER CLEANER 100 | 500 ml | 16.9 oz | 53-L 309  | 1         |
| SC 400            | 500 ml | 16.9 oz | 53-L 313  | 1         |
| OMNI              | 500 ml | 16.9 oz | 53-L 314  | 1         |
| UNO S             | 500 ml | 16.9 oz | 53-L 335  | 1         |
| E-NOX SHINE       | 500 ml | 16.9 oz | 53-L 316  | 1         |
| FT 100            | 500 ml | 16.9 oz | 53-L 323  | 1         |
| FT 200            | 500 ml | 16.9 oz | 53-L 322  | 1         |
| E-NOX CLEAN       | 500 ml | 16.9 oz | 53-L 337  | 1         |
| PRO CLEAN         | 500 ml | 16.9 oz | 53-L 341  | 1         |
| SLAP SHOT         | 500 ml | 16.9 oz | 53-L 311  | 1         |
| HANG-ON           | 500 ml | 16.9 oz | 53-L 331  | 1         |
| COOLCUT           | 500 ml | 16.9 oz | 53-L 330  | 1         |
| BOLT-OUT          | 500 ml | 16.9 oz | 53-L 332  | 1         |
| CB 100            | 500 ml | 16.9 oz | 53-L 342  | 1         |
| CB 100 ALU        | 500 ml | 16.9 oz | 53-L 343  | 1         |

## INDUSTRIAL PUMP SPRAYERS

Rugged and convenient sprayers designed to effectively dispense a variety of Bio-Circle® cleaners and lubricants.

The spray pattern can easily be adjusted from a pin pointjet for accurate product dispensing to a wide fan for fast surface coverage. Viton gaskets and corrosion-proofspring for optimal chemical resistance. These thick walled polyethylene bottles feature a wide neck for easy filling hundreds of times.



| Description  | Size   |        | Order No. | Std. Pkg. | Std. Pkg. |
|--|--------|--------|-----------|-----------|-----------|
|  | Metric | US Gal |           |           |           |
| For SC 400, PRO CLEAN, CB 100, AF-PL, FT 100, FT 200, OMNI, ALL-SEASON | 900 ml | 30 oz  | 53-L 120  | 1         | 1         |

| ACCESSORIES                                | Order No. |
|--|-----------|
| Replacement Viton gasket set               | 53-L 100  |
| Replacement spray nozzle (without gaskets) | 53-L 104  |
| Replacement swirl piece (without gaskets)  | 53-L 114  |

# BIO-CIRCLE® PARTS CLEANING SYSTEM ACCESSORIES

## Parts washing basket

- 9" dia x 8 1/4" high
- 1/4" holes

55-B 004



## Filter cartridge

- Reusable 350 micron
- Reusable 200 micron
- Reusable 100 micron
- Disposable 100 micron
- Disposable 200 micron

55-B 011

55-B 038

55-B 036

55-B 012

55-B 021



## Bio-Circle® scraper

55-B 063



## Angled flow through brush

55-B 007



## Disposable filter bags for Bio-Circle® machines

- 50 micron
- 100 micron
- 200 micron

55-B 041

55-B 042

55-B 043



## Bio-Circle® Air Drying Gun

55-B 085



## Sink lid

- For MAXI

55-B 047



## Filter housing spanner

- For MAXI

55-B 035



## Replacement flow-through brush

55-B 005



## Small industrial parts washing basket

55-B 087



## CleanBox® Dip

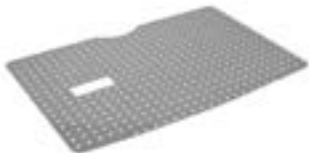
55-D 010

Order no. for dolly: 55-B 083

## Stainless steel sink insert

- For MAXI

55-B 048



## Casters

- For MAXI

55-B 049



# SPOUTS

**Tech tip!**  
 When transferring flammable liquids, always ensure containers are grounded and follow normal safety rules.

| Description  | Order No.  |
|--|------------|
| Spout for 5 L / 1.3 gal plastic pail   | 53-L 113 * |
| Spout for 20 L / 5.3 gal square plastic pail   | 53-L 207 * |
| Spout for 20 L / 5.3 gal round metal pail and 200 L / 55 gal metal drum, (metal spout), 3/4" NPT | 53-L 208 * |
| Spout for 208 L plastic drum and 200 L / 55 gal metal drum, 2" NPT                               | 53-L 209 * |
| Spout for 200 L metal drum, 3/4" NPT   | 53-L 210 * |

\* Allows to fill 500 ml trigger sprayer bottles or any other larger container directly.



## Metal drum pump

For use with lubricants or viscous liquids



| Description                | Order No. |
|----------------------------|-----------|
| Delivers 12 oz per stroke. | 53-L 115  |

## Chrome plated drum pump

For use with aqueous or solvent based cleaners



| Description              | Order No. |
|--------------------------|-----------|
| Delivers 8 oz per stroke | 53-L 116  |

## Hand pump

For effective fluid transfer



| Description          | Order No. |
|----------------------|-----------|
| Use with Bio-Circle® | 55-B 051  |

# THE **WALTER** **VENDING** PROGRAM



OPTIMIZED **CHOICE**

---

OPTIMIZED **QUANTITIES**

---

OPTIMIZED **INVENTORY**

---

OPTIMIZED **SAVINGS**

---



# THE **WALTER** **VENDING** PROGRAM

The right tool at the click of a button.  
Get the convenience of

READY-TO-GO, PRE-PACKED UNITS  
ROUND-THE-CLOCK AVAILABILITY



**Get our vending program to work  
for you and benefit from:**

- ▷ Pre-packed products
- ▷ Convenient single-pack quantities
- ▷ Vast product choice
- ▷ Optimized inventory



See back cover for contact details

## WALTER PRODUCTS AVAILABLE

PACKS OF 5



### ZIP WHEEL™ TYPE 1

| Order No. | Description       | Std. Pkg. | Std. Ctn. |
|-----------|-------------------|-----------|-----------|
| 11T042V   | 4-1/2X3/64 TYPE 1 | 5         | 80        |
| 11T052V   | 5X3/64X7/8 TYPE 1 | 5         | 80        |
| 11T062V   | 6X3/64X7/8 TYPE 1 | 5         | 40        |



### ZIP TITAN™

| Order No. | Description                 | Std. Pkg. | Std. Ctn. |
|-----------|-----------------------------|-----------|-----------|
| 11H042V   | 4-1/2X3/64 ZIP TITAN WHEELS | 5         | 80        |
| 11H052V   | 5X3/64 ZIP TITAN WHEELS     | 5         | 80        |
| 11H062V   | 6X3/64 ZIP TITAN WHEELS     | 5         | 40        |



### ZIP WHEEL™ TYPE 27

| Order No. | Description        | Std. Pkg. | Std. Ctn. |
|-----------|--------------------|-----------|-----------|
| 11T142V   | 4-1/2X3/64 TYPE 27 | 5         | 80        |
| 11T152V   | 5X3/64X7/8 TYPE 27 | 5         | 80        |
| 11T162V   | 6X3/64X7/8 TYPE 27 | 5         | 80        |



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**ZIP+ XTRA™ TYPE 1**

| Order No. | Description              | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------|-----------|-----------|
| 11T242V   | 4-1/2 x 1/16 ZIP + WHEEL | 5         | 80        |
| 11T252V   | 5 X 1/16 ZIP + WHEEL     | 5         | 80        |
| 11T262V   | 6 X 1/16 ZIP + WHEEL     | 5         | 40        |



**ZIP+ XTRA™ TYPE 27**

| Order No. | Description                  | Std. Pkg. | Std. Ctn. |
|-----------|------------------------------|-----------|-----------|
| 11T453V   | 4-1/2 X 1/16 ZIP+ TYPE 27    | 5         | 80        |
| 11T503V   | 5 X 1/16 ZIP+ WHEELS TYPE 27 | 5         | 80        |
| 11T603V   | 6 X 1/16 ZIP+ TYPE 27        | 5         | 40        |



**TOUGH CUT™**

| Order No. | Description              | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------|-----------|-----------|
| 11R042V   | 4-1/2X3/32 A30 TOUGH CUT | 5         | 40        |
| 11R052V   | 5X3/32X7/8 A30 TOUGH CUT | 5         | 40        |
| 11R062V   | 6X3/32X7/8 A30 TOUGH CUT | 5         | 20        |



**ZIP ONE™ TYPE 1**

| Order No. | Description              | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------|-----------|-----------|
| 11T542V   | 4-1/2x1/32 ZIP ONE WHEEL | 5         | 80        |
| 11T552V   | 5"x 1/32" ZIP ONE WHEEL  | 5         | 80        |



**ZIP ONE™ TYPE 27**

| Order No. | Description                | Std. Pkg. | Std. Ctn. |
|-----------|----------------------------|-----------|-----------|
| 11T642V   | 4-1/2x1/32 ZIP ONE TYPE 27 | 5         | 80        |
| 11T652V   | 5"x 1/32" ZIP ONE TYPE 27  | 5         | 80        |
| 11T662V   | 6"x 1/32" ZIP ONE TYPE 27  | 5         | 40        |



**ZIP STAINLESS™ TYPE 1**

| Order No. | Description              | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------|-----------|-----------|
| 11F042V   | 4-1/2X3/64 ZIP STAINLESS | 5         | 80        |
| 11F052V   | 5"X3/64 ZIP STAINLESS    | 5         | 80        |
| 11F062V   | 6"X3/64 ZIP STAINLESS    | 5         | 40        |



**ZIP STAINLESS™ TYPE 27**

| Order No. | Description                  | Std. Pkg. | Std. Ctn. |
|-----------|------------------------------|-----------|-----------|
| 11F142V   | 4-1/2X3/64 ZIP ST TYPE 27    | 5         | 80        |
| 11F152V   | 5X3/64 ZIP STAINLESS TYPE 27 | 5         | 80        |
| 11F162V   | 6X3/64 ZIP STAINLESS TYPE 27 | 5         | 40        |



**ZIP ALU™ TYPE 1**

| Order No. | Description              | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------|-----------|-----------|
| 11U042V   | 4-1/2X3/64 ZIP ALU WHEEL | 5         | 80        |
| 11U052V   | 5X3/64 ZIP ALU WHEEL     | 5         | 80        |
| 11U062V   | 6 X 3/64 ZIP ALU WHEEL   | 5         | 40        |



**ZIP ALU™ TYPE 27**

| Order No. | Description                | Std. Pkg. | Std. Ctn. |
|-----------|----------------------------|-----------|-----------|
| 11U142V   | 4-1/2X3/64 ZIP ALU TYPE 27 | 5         | 80        |
| 11U152V   | 5X3/64 ZIP ALU TYPE 27     | 5         | 80        |
| 11U162V   | 6 X 3/64 ZIP ALU TYPE 27   | 5         | 40        |



**ZIP ALU™ TYPE 1**

| Order No. | Description              | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------|-----------|-----------|
| 11U303V   | 3X1/32X3/8 ALU C/O WHEEL | 5         | 40        |

# THE WALTER VENDING PROGRAM

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## COMBO ZIP™

| Order No. | Description          | Std. Pkg. | Std. Ctn. |
|-----------|----------------------|-----------|-----------|
| 11T842V   | 4-1/2X5/64 COMBO ZIP | 5         | 80        |
| 11T852V   | 5X5/64 COMBO ZIP     | 5         | 80        |
| 11T862V   | 6X5/64 COMBO ZIP     | 5         | 40        |



## ZIP™ 2" TYPE 1

| Order No. | Description                    | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------------|-----------|-----------|
| 11L202V   | 2X1/32X1/4 ZIP CUT-OFF WHEELS  | 5         | 40        |
| 11L203V   | 2X1/32X3/8 ZIP CUT-OFF WHEELS  | 5         | 40        |
| 11L211V   | 2X1/16X5/16 ZIP CUT-OFF WHEELS | 5         | 40        |
| 11L212V   | 2X1/16X1/4 ZIP CUT-OFF WHEELS  | 5         | 40        |
| 11L213V   | 2X1/16X3/8 ZIP C/O WHEEL       | 5         | 40        |
| 11L221V   | 2X1/8X5/16 ZIP CUT-OFF WHEELS  | 5         | 40        |
| 11L223V   | 2X1/8X3/8 ZIP C/O WHEEL        | 5         | 40        |
| 11L231V   | 2X1/4X5/16 ZIP GR WHEELS       | 5         | 40        |
| 11L233V   | 2X1/4X3/8 ZIP C/O WHEEL        | 5         | 40        |
| 11L251V   | 2X1/2X5/16 ZIP GR WHEELS       | 5         | 40        |
| 11L253V   | 2X1/2X3/8 ZIP C/O WHEEL        | 5         | 40        |



## ZIP™ 2 1/2" TYPE 1

| Order No. | Description                    | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------------|-----------|-----------|
| 11L262V   | 2.5X1/16X1/4 ZIP CUT-OFF WHEEL | 5         | 40        |
| 11L263V   | 2.5X1/32X3/8 ZIP CUT-OFF WHEEL | 5         | 40        |



## ZIP™ 3" TYPE 1

| Order No. | Description                   | Std. Pkg. | Std. Ctn. |
|-----------|-------------------------------|-----------|-----------|
| 11L302V   | 3X1/32X1/4 ZIP C/O WHEELS     | 5         | 40        |
| 11L303V   | 3X1/32X3/8 ZIP C/O WHEELS     | 5         | 40        |
| 11L308V   | 3X1/32X3/8 TYPE 27            | 5         | 40        |
| 11L312V   | 3X1/16X1/4 ZIP C/O WHEELS     | 5         | 40        |
| 11L313V   | 3X1/16X3/8 ZIP CUT-OFF WHEELS | 5         | 40        |
| 11L316V   | 3X1/16X1/4 ZIP C/O WHEELS     | 5         | 40        |
| 11L317V   | 3X1/16X3/8 ZIP C/O WHEELS     | 5         | 40        |
| 11L322V   | 3X1/8X1/4 ZIP C/O WHEELS      | 5         | 40        |
| 11L323V   | 3X1/8X3/8 ZIP CUT-OFF WHEELS  | 5         | 40        |
| 11L333V   | 3X1/4X3/8 ZIP GR WHEELS       | 5         | 20        |
| 11L353V   | 3X1/2X3/8 ZIP GR WHEELS       | 5         | 20        |

## ZIP™ 4" TYPE 1

| Order No. | Description               | Std. Pkg. | Std. Ctn. |
|-----------|---------------------------|-----------|-----------|
| 11L402V   | 4X1/32X1/4 ZIP C/O WHEELS | 5         | 40        |
| 11L403V   | 4X1/32X3/8 ZIP C/O WHEELS | 5         | 40        |
| 11L405V   | 4X1/32X5/8 ZIP C/O WHEELS | 5         | 40        |
| 11L406V   | 4X1/32X1/4 ZIP C/O WHEELS | 5         | 40        |
| 11L408V   | 4X1/32X3/8 ZIP C/O WHEELS | 5         | 40        |
| 11L412V   | 4X1/16X1/4 ZIP C/O WHEELS | 5         | 40        |
| 11L413V   | 4X1/16X3/8 ZIP C/O WHEELS | 5         | 40        |
| 11L415V   | 4X1/16X5/8 ZIP C/O WHEELS | 5         | 40        |
| 11L417V   | 4X1/16X3/8 ZIP C/O WHEELS | 5         | 40        |



## COOLCUT XX™

| Order No. | Description                    | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------------|-----------|-----------|
| 15X452V   | 4-1/2 GR24 COOLCUT XX DISCS    | 5         | 50        |
| 15X453V   | 4-1/2 GR36 COOLCUT XX DISCS    | 5         | 50        |
| 15X455V   | 4-1/2 GR50 COOLCUT XX          | 5         | 50        |
| 15X456V   | 4-1/2 GR60 COOLCUT XX DISCS    | 5         | 50        |
| 15X458V   | 4-1/2 GR80 COOLCUT XX DISCS    | 5         | 50        |
| 15X460V   | 4-1/2 GR100 COOLCUT XX         | 5         | 50        |
| 15X462V   | 4-1/2 GR120 COOLCUT XX DISCS   | 5         | 50        |
| 15X473V   | 4.5"GR36 COOLCUT XX/Q. CHANGE  | 5         | 50        |
| 15X475V   | 4.5"GR50 COOLCUT XX/Q. CHANGE  | 5         | 50        |
| 15X476V   | 4.5"GR60 COOLCUT XX/Q. CHANGE  | 5         | 50        |
| 15X478V   | 4.5"GR80 COOLCUT XX/Q. CHANGE  | 5         | 50        |
| 15X482V   | 4.5"GR120 COOLCUT XX/Q. CHANGE | 5         | 50        |
| 15X502V   | 5" GR24 COOLCUT XX DISCS       | 5         | 50        |
| 15X503V   | 5" GR36 COOLCUT XX DISCS       | 5         | 50        |
| 15X505V   | 5" GR50 COOLCUT XX             | 5         | 50        |
| 15X506V   | 5" GR60 COOLCUT XX DISCS       | 5         | 50        |
| 15X508V   | 5" GR80 COOLCUT XX DISCS       | 5         | 50        |
| 15X510V   | 5" GR100 COOLCUT XX            | 5         | 50        |
| 15X512V   | 5" GR120 COOLCUT XX DISCS      | 5         | 50        |
| 15X523V   | 5" GR36 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X525V   | 5" GR50 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X526V   | 5" GR60 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X528V   | 5" GR80 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X532V   | 5" GR120 COOLCUT XX/Q. CHANGE  | 5         | 50        |
| 15X602V   | 6" GR24 COOLCUT XX DISCS       | 5         | 50        |
| 15X603V   | 6" GR36 COOLCUT XX DISCS       | 5         | 50        |
| 15X605V   | 6" GR50 COOLCUT XX DISCS       | 5         | 50        |
| 15X606V   | 6" GR60 COOLCUT XX DISCS       | 5         | 50        |
| 15X608V   | 6" GR80 COOLCUT XX DISCS       | 5         | 50        |
| 15X610V   | 6" GR100 COOLCUT XX DISCS      | 5         | 50        |
| 15X612V   | 6" GR120 COOLCUT XX DISCS      | 5         | 50        |
| 15X622V   | 6" GR24 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X623V   | 6" GR36 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X625V   | 6" GR50 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X626V   | 6" GR60 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X628V   | 6" GR80 COOLCUT XX/Q. CHANGE   | 5         | 50        |
| 15X630V   | 6" GR100 COOLCUT XX/Q. CHANGE  | 5         | 50        |
| 15X632V   | 6" GR120 COOLCUT XX/Q. CHANGE  | 5         | 50        |

PACKS OF 5



**TOPCUT™**

| Order No. | Description               | Std. Pkg. | Std. Ctn. |
|-----------|---------------------------|-----------|-----------|
| 15P452V   | 4-1/2" GR24 TOPCUT DISCS  | 5         | 50        |
| 15P453V   | 4-1/2" GR36 TOPCUT DISCS  | 5         | 50        |
| 15P456V   | 4-1/2" GR60 TOPCUT DISCS  | 5         | 50        |
| 15P458V   | 4-1/2" GR80 TOPCUT DISCS  | 5         | 50        |
| 15P502V   | 5" GR24 TOPCUT SAND DISCS | 5         | 50        |
| 15P503V   | 5" GR36 TOPCUT SAND DISCS | 5         | 50        |
| 15P506V   | 5" GR60 TOPCUT SAND DISCS | 5         | 50        |
| 15P508V   | 5" GR80 TOPCUT SAND DISCS | 5         | 50        |



**COOLCUT™**

| Order No. | Description                | Std. Pkg. | Std. Ctn. |
|-----------|----------------------------|-----------|-----------|
| 15C452V   | 4-1/2 GR24 COOLCUT DISCS   | 5         | 50        |
| 15C453V   | 4-1/2 GR36 COOLCUT DISCS   | 5         | 50        |
| 15C454V   | 4-1/2 GR40 COOLCUT DISCS   | 5         | 50        |
| 15C455V   | 4-1/2 GR50 COOLCUT DISCS   | 5         | 50        |
| 15C456V   | 4-1/2 GR60 COOLCUT DISCS   | 5         | 50        |
| 15C458V   | 4-1/2 GR80 COOLCUT DISCS   | 5         | 50        |
| 15C460V   | 4-1/2 GR100 COOLCUT DISCS  | 5         | 50        |
| 15C462V   | 4-1/2 GR120 COOLCUT DISCS  | 5         | 50        |
| 15C502V   | 5" GR24 COOLCUT SAND DISCS | 5         | 50        |
| 15C503V   | 5" GR36 COOLCUT SAND DISC  | 5         | 50        |
| 15C504V   | 5" GR40 COOLCUT SAND DISCS | 5         | 50        |
| 15C505V   | 5" GR50 COOLCUT SAND DISC  | 5         | 50        |
| 15C506V   | 5" GR60 COOLCUT SAND DISCS | 5         | 50        |
| 15C508V   | 5" GR80 COOLCUT SAND DISCS | 5         | 50        |
| 15C510V   | 5" GR100 COOLCUT SAND DISC | 5         | 50        |
| 15C512V   | 5" GR120 COOLCUT SAND DISC | 5         | 50        |



**QUICK-STEP XX™**

| Order No. | Description                     | Std. Pkg. | Std. Ctn. |
|-----------|---------------------------------|-----------|-----------|
| 15V412V   | 4-1/2 GR120 QUICK STEP XX DISCS | 5         | 50        |
| 15V418V   | 4-1/2 GR180 QUICK STEP XX DISCS | 5         | 50        |
| 15V424V   | 4-1/2 GR240 QUICK STEP XX DISCS | 5         | 50        |
| 15V512V   | 5" GR120 QUICK STEP XX DISCS    | 5         | 50        |
| 15V518V   | 5" GR180 QUICK STEP XX DISCS    | 5         | 50        |
| 15V524V   | 5" GR240 QUICK STEP XX DISCS    | 5         | 50        |
| 15V612V   | 6" GR120 QUICK STEP XX DISCS    | 5         | 50        |
| 15V618V   | 6" GR180 QUICK STEP XX DISCS    | 5         | 50        |
| 15V624V   | 6" GR240 QUICK STEP XX DISCS    | 5         | 50        |



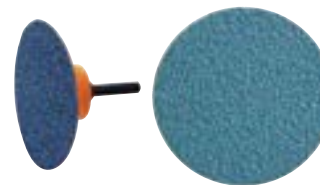
**TWIST FLAP DISCS™**

| Order No. | Description              | Std. Pkg. | Std. Ctn. |
|-----------|--------------------------|-----------|-----------|
| 04A254V   | 2-1/2" FLAP DISC - GR40  | 2         | 80        |
| 04A256V   | 2-1/2" FLAP DISC - GR60  | 2         | 80        |
| 04A258V   | 2-1/2" FLAP DISC - GR80  | 2         | 80        |
| 04A262V   | 2-1/2" FLAP DISC - GR120 | 2         | 80        |



**TWIST™ COOLCUT SANDING DISCS**

| Order No. | Description                  | Std. Pkg. | Std. Ctn. |
|-----------|------------------------------|-----------|-----------|
| 04C203V   | 2" TWIST COOLCUT XX - GR 36  | 10        | 100       |
| 04C205V   | 2" TWIST COOLCUT XX - GR 50  | 10        | 100       |
| 04C206V   | 2" TWIST COOLCUT XX - GR 60  | 10        | 100       |
| 04C208V   | 2" TWIST COOLCUT XX - GR 80  | 10        | 100       |
| 04C212V   | 2" TWIST COOLCUT XX - GR 120 | 10        | 100       |
| 04C303V   | 3" TWIST COOLCUT XX - GR 36  | 10        | 100       |
| 04C305V   | 3" TWIST COOLCUT XX - GR 50  | 10        | 100       |
| 04C306V   | 3" TWIST COOLCUT XX - GR 60  | 10        | 100       |
| 04C308V   | 3" TWIST COOLCUT XX - GR 80  | 10        | 100       |
| 04C312V   | 3" TWIST COOLCUT XX - GR 120 | 10        | 100       |



**TWIST™ TOPCUT SANDING DISCS**

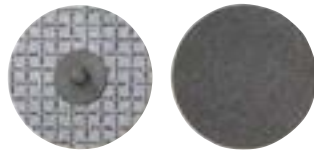
| Order No. | Description             | Std. Pkg. | Std. Ctn. |
|-----------|-------------------------|-----------|-----------|
| 04D203V   | 2" TOPCUT DISC - GR 36  | 10        | 400       |
| 04D205V   | 2" TOPCUT DISC - GR 50  | 10        | 400       |
| 04D206V   | 2" TOPCUT DISC - GR 60  | 10        | 400       |
| 04D208V   | 2" TOPCUT DISC - GR 80  | 10        | 400       |
| 04D210V   | 2" TOPCUT DISC - GR 100 | 10        | 400       |
| 04D212V   | 2" TOPCUT DISC - GR 120 | 10        | 400       |
| 04D303V   | 3" TOPCUT DISC - GR 36  | 10        | 200       |
| 04D305V   | 3" TOPCUT DISC - GR 50  | 10        | 200       |
| 04D306V   | 3" TOPCUT DISC - GR 60  | 10        | 200       |
| 04D308V   | 3" TOPCUT DISC - GR 80  | 10        | 200       |
| 04D310V   | 3" TOPCUT DISC - GR 100 | 10        | 200       |
| 04D312V   | 3" TOPCUT DISC - GR 120 | 10        | 200       |

# THE WALTER VENDING PROGRAM



## TWIST™ BLENDIX CONDITIONING DISCS

| Order No. | Description                | Std. Pkg. | Std. Ctn. |
|-----------|----------------------------|-----------|-----------|
| 04G202V   | 2" BLENDIX TWIST - COARSE  | 5         | 200       |
| 04G203V   | 2" BLENDIX TWIST - MED     | 5         | 200       |
| 04G204V   | 2" BLENDIX TWIST - FINE    | 5         | 200       |
| 04G205V   | 2" BLENDIX TWIST - S. FINE | 5         | 200       |
| 04G302V   | 3" BLENDIX TWIST - COARSE  | 5         | 200       |
| 04G303V   | 3" BLENDIX TWIST - MED     | 5         | 200       |
| 04G304V   | 3" BLENDIX TWIST - FINE    | 5         | 200       |
| 04G305V   | 3" BLENDIX TWIST - S. FINE | 5         | 100       |



## TWIST™ BLENDIX U DISCS

| Order No. | Description            | Std. Pkg. | Std. Ctn. |
|-----------|------------------------|-----------|-----------|
| 04U321V   | 3" BLENDIX U TWIST-2SF | 2         | 20        |
| 04U322V   | 3" BLENDIX U TWIST-6SF | 2         | 20        |
| 04U323V   | 3" BLENDIX U TWIST-6AM | 2         | 20        |



## FX™ SURFACE CLEANING DISCS

| Order No. | Description | Std. Pkg. | Std. Ctn. |
|-----------|-------------|-----------|-----------|
| 04L200V   | 2" FX DISC  | 2         | 80        |
| 04L300V   | 3" FX DISC  | 2         | 40        |



## TWIST™ FELT DISCS

| Order No. | Description        | Std. Pkg. | Std. Ctn. |
|-----------|--------------------|-----------|-----------|
| 04T204V   | 2" TWIST FELT DISC | 5         | 200       |
| 04T304V   | 3" TWIST FELT DISC | 5         | 100       |

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## SST™ 118° JOBBERS LENGTH FRACTIONAL SINGLE PACKS

| Order No. | Description                | Std. Pkg. | Std. Ctn. |
|-----------|----------------------------|-----------|-----------|
| 01A004A   | 1/16 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A005A   | 5/64 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A006A   | 3/32 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A007A   | 7/64 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A008A   | 1/8 SST JOBBER QCK SHANK   | 5         | 240       |
| 01A009A   | 9/64 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A010A   | 5/32 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A011A   | 11/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A012A   | 3/16 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A013A   | 13/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A014A   | 7/32 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A015A   | 15/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A016A   | 1/4 SST JOBBER QCK SHANK   | 5         | 240       |
| 01A017A   | 17/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A018A   | 9/32 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A019A   | 19/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A020A   | 5/16 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A021A   | 21/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A022A   | 11/32 SST JOBBER QCK SHANK | 5         | 240       |
| 01A023A   | 23/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A024A   | 3/8 SST JOBBER QCK SHANK   | 5         | 240       |
| 01A025A   | 25/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A026A   | 13/32 SST JOBBER QCK SHANK | 5         | 240       |
| 01A027A   | 27/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A028A   | 7/16 SST JOBBER QCK SHANK  | 5         | 240       |
| 01A029A   | 29/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A030A   | 15/32 SST JOBBER QCK SHANK | 5         | 240       |
| 01A031A   | 31/64 SST JOBBER QCK SHANK | 5         | 240       |
| 01A032A   | 1/2 SST JOBBER QCK SHANK   | 5         | 240       |



# Product Listing

| Order No. | Description                  | Page | Order No. | Description                | Page |
|-----------|------------------------------|------|-----------|----------------------------|------|
| 01A004    | 1/16 SST JOBBER QCK SHANK    | 129  | 01A026    | 13/32 SST JOBBER QCK SHANK | 129  |
| 01A004A   | 1/16 SST JOBBER Q/S BLISTER  | 129  | 01A026A   | 13/32 SST JOB Q/S, BLISTER | 129  |
| 01A005    | 5/64 SST JOBBER QCK SHANK    | 129  | 01A027    | 27/64 SST JOBBER QCK SHANK | 129  |
| 01A005A   | 5/64 SST JOBBER Q/S BLISTER  | 129  | 01A027A   | 27/64 SST JOB Q/S, BLISTER | 129  |
| 01A006    | 3/32 SST JOBBER QCK SHANK    | 129  | 01A028    | 7/16 SST JOBBER QCK SHANK  | 129  |
| 01A006A   | 3/32 SST JOBBER Q/S BLISTER  | 129  | 01A028A   | 7/16 SST JOB Q/S, BLISTER  | 129  |
| 01A007    | 7/64 SST JOBBER QCK SHANK    | 129  | 01A029    | 29/64 SST JOBBER QCK SHANK | 129  |
| 01A007A   | 7/64 SST JOBBER Q/S BLISTER  | 129  | 01A029A   | 29/64 SST JOB Q/S, BLISTER | 129  |
| 01A008    | 1/8 SST JOBBER QCK SHANK     | 129  | 01A030    | 15/32 SST JOBBER QCK SHANK | 129  |
| 01A008A   | 1/8 SST JOBBER Q/S BLISTER   | 129  | 01A030A   | 15/32 SST JOB Q/S, BLISTER | 129  |
| 01A009    | 9/64 SST JOBBER QCK SHANK    | 129  | 01A031    | 31/64 SST JOBBER QCK SHANK | 129  |
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## Walter Surface Technologies

### Connecticut

810 Day Hill Road  
Windsor, CT 06095  
Phone: 1 860-298-1100  
Email: info.us@walter.com

### Texas

710 Gateway Blvd.  
Suite 110  
Coppell, TX 75019

### Customer service:

Toll free: 1 800-522-0321  
Fax orders: 1 866-274-4435  
Email: orderdesk.us@walter.com

### Technical/product support:

Toll free: 1 866-592-5837



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