



2011 MECHANICAL SOLUTIONS

“Only the best”



THERE'S GOOD, THERE'S BETTER, AND THERE'S... *"Only the best"*

At WALTER Surface Technologies, our purpose is to contribute to our customers' success by helping them work better. We strive to provide you with **"ONLY THE BEST"** in product excellence and quality, as well as in the solutions, service and technical support we offer.

In this catalog, you will discover that our products are **"ONLY THE BEST"** in terms of quality and performance saving you time and money! **As an example, here are some of our customers' favorites!**

ZIPTM WHEEL



**NEW AND
IMPROVED!**

**40% More cuts
than any competitive
wheel... GUARANTEED!**

- Delivers the best cost-per-cut advantage in the industry
- Cuts faster, longer, with fewer burrs – or your money back.

SEE PAGE 11.





COOLCUT XX

***Removes more material
in less time!***

- Consistent surface finish, disc after disc.
- Cooling agents to prevent burns and distortion.

SEE PAGE 37

ENDURO FLEX™ TURBO



***Fastest Removal
Rate on the Market!***

- Removes faster than a 36 Grit and finishes like a 60 Grit.
- Keeps the work piece cooler for longer disc life.

SEE PAGE 31



COMBO ZIP™

***Thin, fast and safe
cutting and grinding!***

- Cutting and deburring with just one wheel.
- Reinforced for extra safety.

SEE PAGE 12





SURFACE TECHNOLOGIES AT WORK INNOVATION, EFFICIENCY, SAFETY

At WALTER Surface Technologies, we contribute to our customers' success by helping them work better.

INNOVATION

We offer innovative abrasives for use on portable power tools for all your metal removal and surface finishing needs. Our tooling and power tool lines are also manufactured with the latest innovation in mind.

SAFETY

Our concern with safety is paramount. We invite you to share our collective experience acquired through hands-on involvement in virtually all industries. Free in-plant safety seminars on the safe use and handling of our products can be arranged by calling your WALTER sales professional or call toll-free 1-866-JWALTER (1-866-592-5837).

EFFICIENCY

WALTER has been a leader in efficiency and sustainability for years. Our thin cut-off wheels are the fastest and longest-cutting on the market. Enduro-Flex is a trimmable flap disc that allows our customers to fully use all the material in the disc. Our annular cutters are proven to be able to make more holes faster.

“Only the best”

MONEY MAKER GUARANTEE

100% SATISFACTION GUARANTEED

We **guarantee** that all the products listed in this catalog were designed, manufactured and sold with our total commitment to saving time, lasting longer and making money for you. Otherwise please notify us so that we can make arrangements to rectify the situation or we will reimburse you for your original purchase price.

Your total satisfaction is paramount to us. That is why there is no risk in buying WALTER products.

This is our guarantee and promise to you.

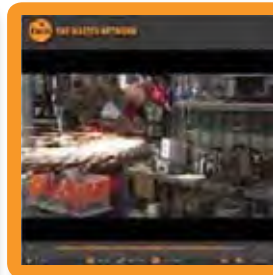


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Visit www.walter.com and click through to The **WALTER Network**. TWN has valuable resources that you can view and take advantage of 24/7! Select from:

- **Video Testimonials**
- **Product Demonstrations**
- **Safe Advice**
- **Tips & Hints**



STAY CONNECTED:



We understand the importance of staying connected. To be the first to learn about new products, great promotions and the latest innovation from WALTER, connect with us!

**VISIT OUR WEBSITE
TO SIGN-UP FOR OUR
NEWSLETTER BY EMAIL
WWW.WALTER.COM**



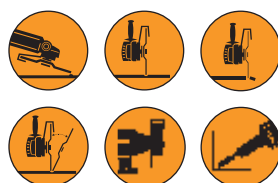
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ABRASIVES



GETS YOU FIRST TO THE FINISH!

Day after day, WALTER abrasives are on the job grinding down welds, preparing weld edges, deburring, cutting sheets and pipes, etc. They are the wheels preferred by most operators because they combine fast material removal with long operating life - to help keep your costs down, to allow you to do more work in less time.

They are made according to the strictest manufacturing methods. Grain, bond and reinforcement are of the highest quality to ensure maximum operator comfort and safety.

We offer a complete range of job-matched grinding wheels, cut-off wheels, sanding discs, wire brushes and specialty abrasives that are tailor-made for the job at hand.

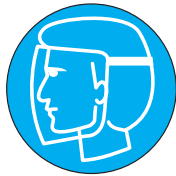
Whether for general purpose grinding or for specific finishing applications in the welding shop or on the job site, our commitment to reducing your grinding and finishing costs is reflected in the quality and performance of our abrasives.

Quality and performance combined with safety and operator comfort will allow you to get the job done at the lowest cost and get you first to the finish - GUARANTEED!



WALTER
Surface Technologies

“Only the best”



SAFETY FIRST

*Tips on the safe & most effective use of abrasives & power tools**

Here is a refresher on some common sense safety precautions when working with abrasives and portable power tools:

- Disconnect the power tool prior to changing abrasives.
- Inspect the abrasive product 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 required. 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 work piece, 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.

**Walter Abrasives are designed for use as directed in all applicable safety codes, such as CSA, WHMIS, ANSI, OSHA and other regulatory agencies. 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 DISC

Flap discs are designed to be used at a working angle of 4° to 10°.



SANDING DISC

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



CUTTING-OFF

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 and other side grinding applications.



FLAP WHEEL

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



WIRE BRUSH

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, protect from water and excessive heat. Store flat and protect from mechanical damage.
- Coated abrasives, such as fiber discs, flap discs and cloth belts perform best when stored in an area with 50% humidity at 70° F (22° C)

Safety Seminars

Walter offers free special in-plant safety seminars to promote the safe use of abrasives. Call us at
1-866-JWALTER



HIGH PERFORMANCE CUT-OFF WHEELS

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

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

The new generation of cut-off wheels features integrated rib design and exclusive Spin-On mounting system ensures that you will get the job done faster and at the lowest cost.

Rest assured that when you choose a WALTER cut-off wheel you are guaranteed maximum productivity, operator comfort and safety.



TECH TIP

THE RIGHT WHEEL FOR THE RIGHT POWER TOOL

Power Tool Used	Wheels	Diameters	Page
 Drill/Straight Grinder	ZIP	2", 3" and 4"	13-14
 Angle Grinder	ZIP Wheels, Toughcut	4 1/2", 5", 6", 7" and 9"	11-12, 14-15
 Circular Saw	ZIP Wheels, Toughcut	7" and 8"	11, 14-15
 High Speed Gas/Electric Saw	Portacut for Steel Concrete and Ductile/Plastic	12" and 14"	16
 Chop Saw	Chopcut, Chopcut II, Chopcut Alu	12", 14" and 16"	18
 Stationary Saw	Ripcut, Ripcut - Stainless	12", 14", 16", 18", 20" and 24"	19

ZIP™ WHEEL

HIGH PERFORMANCE CUTTING WITH ANGLE GRINDERS AND CIRCULAR SAWS

They cut faster, freer and cooler, requiring less power than standard thin cut-off wheels. They are heavily reinforced for extra safety and yet are very flexible and resilient to resist twisting and bending and will give true and straight cuts every time.

Longest life ever! The most cuts per wheel in the industry, guaranteed!



CUTTING

TYPE 1

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

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

TYPE 1

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

TYPE 27

Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/64"	7/8"	11-T 142	A-60-ZIP	13,300	25	400
4 1/2"	1/16"	7/8"	11-T 453	A-46-ZIP	13,300	25	400
5"	3/64"	7/8"	11-T 152	A-60-ZIP	12,200	25	400
5"	1/16"	7/8"	11-T 503	A-46-ZIP	12,200	25	400
6"	3/64"	7/8"	11-T 162	A-60-ZIP	10,200	25	200
7"	1/16"	7/8"	11-T 172	A-30-ZIP	8,600	25	100
9"	5/64"	7/8"	11-T 192	A-30-ZIP	6,800	25	100

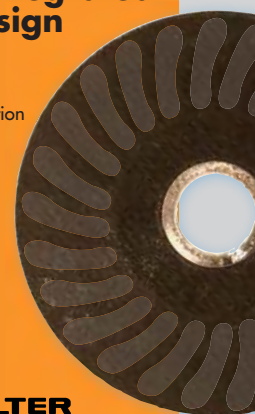
- At least 40% more cuts than standard cutting wheels*
- Less friction and faster cutting

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

ZIP™ WHEEL with integrated rib design

- Raised ribs reduce friction surface
- Air cooling action for cooler cutting
- Increased rigidity for straighter cuts

WALTER
Surface Technologies



EXCLUSIVE PACKAGING
ZIP Wheels are available in a unique, practical and reusable container that preserves its physical properties, thereby enhancing performance and safety for the users.



ZIP™ SPIN-ON

HIGH PERFORMANCE CUTTING WITH SPIN-ON SYSTEM

Our industry leading ZIP Wheel cut-off wheels are now available with the exclusive Spin-On mounting system to take your productivity to the next level.

SPIN-ON TYPE 27

Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	3/64" (.045")	5/8"-11	11-T 342	A-60-ZIP	13,300	25	200
5"	3/64" (.045")	5/8"-11	11-T 352	A-60-ZIP	12,200	25	200
6"	3/64" (.045")	5/8"-11	11-T 362	A-60-ZIP	10,200	25	200



- Perfectly centered wheel for total operator comfort
- Quick and easy wheel changes for minimum downtime
- Vibration-free cutting for maximum productivity



COMBO ZIP™

HIGH PERFORMANCE CUTTING AND DEBURRING ALL IN ONE

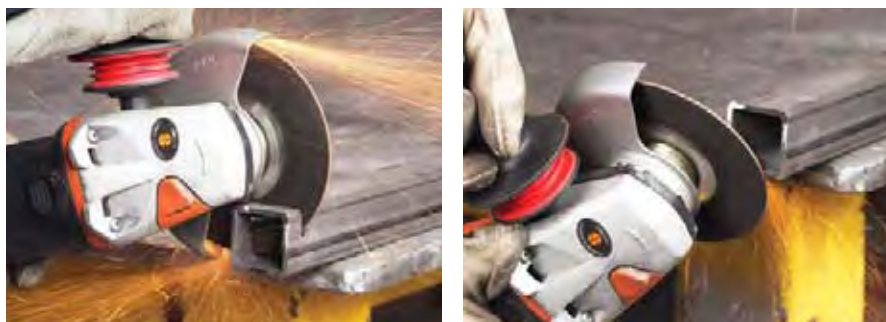
Cut and grind with the same wheel. Only 5/64" thick, these tough cut-off wheels can bear the force of lateral pressure to allow the operator to light grind/deburr in the safest way. They can also be used for notching, root pass cleaning and even chamfering.

TYPE 27

Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	5/64" (.078")	7/8"	11-T 842	A-60-COMBO-ZIP	13,300	25	400
5"	5/64" (.078")	7/8"	11-T 852	A-60-COMBO-ZIP	12,200	25	400
6"	5/64" (.078")	7/8"	11-T 862	A-60-COMBO-ZIP	10,200	25	200



- Cutting and deburring combined for less wheel changeover and more productivity
- Reinforced like a grinding wheel for extra safety
- ZIP formulation guarantees fastest cutting time and long life
- Equipped with metal protective hub for extra strength, control and safety



ZIP™

PERFORMANCE CUTTING AND GRINDING WITH STRAIGHT SHAFT AND DIE GRINDERS

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



CUTTING

2"

TYPE 1

Fe-S-CI
FREE



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

- Fast, cool and free cutting allowing the operator to work with minimal pressure for best control
- Excellent wheel life



3"

TYPE 1

Fe-S-CI
FREE



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

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

4"

TYPE 1

Fe-S-CI
FREE



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

FLUSH MANDRELS

1/4" Shaft (for wheels up to 1/8")	Order No.
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

1/4" Shaft (for wheels up to 1/2")	Order No.
For 2" wheels, 3/8" arbor	11-L 008
For 2" wheels, 5/16" arbor	11-L 002
For 3" and 4": wheels, 1/4" arbor	11-L 004
With 5/16" Shaft: for 3" and 4" wheels, 3/8" arbor	11-L 005

3" and 4"

TYPE 27

Fe-S-CI
FREE



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

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

ZIP™ STAINLESS

SUPERIOR CUTTING OF NICKEL ALLOYED STEELS

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



TYPE 1



Fe-S-CI
FREE



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

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

- Longest life and best performance when cutting very hard material
- Extra fast cutting of pipes or solids



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

TYPE 27

Fe-S-CI
FREE



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

ZIP™ ALU

FAST AND FREE CUTTING OF ALUMINUM WITHOUT CLOGGING

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



TYPE 1



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
3"	1/32"	3/8"	11-U 303	A-60-ZIP-ALU	25,470	25	200
4"	1/32"	3/8"	11-U 403	A-60-ZIP-ALU	19,100	25	200
4 1/2"	3/64"	7/8"	11-U 042	A-60-ZIP-ALU	13,300	25	400
5"	3/64"	7/8"	11-U 052	A-60-ZIP-ALU	12,200	25	400
6"	3/64"	7/8"	11-U 062	A-60-ZIP-ALU	10,200	25	200
7"	1/16"	7/8"	11-U 072	A-30-ZIP-ALU	8,600	25	100

For mandrels see page 13.

- Best wheel life and extra fast cutting in aluminum



TYPE 27



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

TOUGH CUT™

PERFORMANCE CUTTING WITH ANGLE GRINDERS AND CIRCULAR SAWS

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



TYPE 1



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/16"	7/8"	11-R 042	A-30	13,300	25	200
5"	1/16"	7/8"	11-R 052	A-30	12,200	25	200
6"	1/16"	7/8"	11-R 062	A-30	10,200	25	100
7"	1/16"	7/8"	11-R 072	A-30	8,600	25	100
9"	1/16"	7/8"	11-R 092*	A-30	6,800	25	100

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

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

ACCESSORY

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

TYPE 1



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

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



PORTACUT™

HIGH SPEED CUTTING WITH GAS AND ELECTRIC POWER SAWS

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



TYPE 1

Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	20mm 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"	20mm STIHL	11-A 141	A-24	5,400	10	50
14"	1/8"	7/8" PARTNER	11-A 142	A-24	5,400	10	50
14"	1/8"	1"	11-A 143	A-24	5,400	10	50



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

TYPE 1

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



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

ACCESSORIES

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



RAILCUT™

PERFORMANCE RAIL CUTTING WITH GAS AND ELECTRIC POWER SAWS

These wheels are specially formulated for fast cutting into all types of rail without glazing. They are heavily reinforced for maximum safety and smoothness.



CUTTING

TYPE 1

Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
14"	5/32"	1"	11-V 143	A-24-RAIL	5,400	10	50
16"	5/32"	1"	11-V 163	A-24-RAIL	4,700	10	50

ACCESSORIES

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

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Sanding

CHOPCUT™

PERFORMANCE CUTTING WITH PORTABLE CHOP SAWS

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



GENERAL PURPOSE TYPE 1



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



- Center reinforced
- The wheel of choice for solids
- Fast cutting rate with long wheel life

HIGH PERFORMANCE TYPE 1



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
12"	3/32"	1"	10-P 123	A-30	5,200	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



- Double external reinforcement
- The wheel of choice for tubing and extrusions
- Optimized for use on low power chop saws - reduces load on machine and creates less burr

ALU TYPE 1



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

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



RIPCUT™

HIGH PERFORMANCE CUTTING WITH ABRASIVE CUT-OFF MACHINES

These wheels are formulated for use on stationary cut-off machines, to deliver more cuts faster for the lowest cost per-cut.



CUTTING

GENERAL PURPOSE TYPE 1



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	1"	10-B 123	A-24-FC	5,100	10	50
14"	1/8"	1"	10-B 143	A-24-FC	4,400	10	50
16"	5/32"	1"	10-B 163	A-24-FC	3,800	10	30
18"	3/16"	1"	10-B 183	A-24-FC	3,400	10	20
20"	3/16"	1"	10-B 203	A-24-FC	3,000	5	10
24"	1/4"	40 mm	10-B 246	A-24-FC	2,550	5	10

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

LONG LIFE TYPE 1



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	1"	10-A 123	A-24-RIP	5,100	10	50
14"	1/8"	1"	10-A 143	A-24-RIP	4,400	10	50
16"	5/32"	1"	10-A 163	A-24-RIP	3,800	10	30
18"	3/16"	1"	10-A 183	A-24-RIP	3,400	10	20
20"	3/16"	1"	10-A 203	A-24-RIP	3,000	5	10
20"	3/16"	40 mm	10-A 206	A-24-RIP	3,000	5	10
24"	1/4"	40 mm	10-A 246	A-24-RIP	2,550	5	10

- Out-cut and outlast all others
- Cut everything from thin wall shapes to solid shafts
- Fast and cool cutting, longest wheel life
- For use on high power machines (greater than 10HP)

STAINLESS TYPE 1

Fe-S-CI
FREE



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	1"	10-C 123	A-36-SS	5,100	10	50
14"	1/8"	1"	10-C 143	A-36-SS	4,400	10	50
16"	5/32"	1"	10-C 163	A-36-SS	3,800	10	30
20"	3/16"	1"	10-C 203	A-36-SS	3,000	5	10
20"	3/16"	40 mm	10-C 206	A-36-SS	3,000	5	10

- Specially formulated to cut all types of stainless and alloyed steels
- Fast and cool cutting with less burr 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





GRAIN

BOND

REINFORCEMENT

DEPRESSED CENTER GRINDING WHEELS

Industry leading grinding wheels, cup wheels, mounted points and plugs & cones from WALTER are manufactured with productivity in mind. Grain, bond and reinforcement are of the highest quality to ensure absolute safety.

Wheels are balanced to hug the workpiece for minimal bounce, vibration and maximum operator comfort. Extra thin wheels are specially reinforced to withstand the stresses in off-hand cutting operations.

As a leader of innovative mechanical solutions for the metal working industry, we constantly strive to save you time and money. Our new Spin-On quick mounting system takes productivity to a new level. This unique and universal mounting system will soon be setting new productivity standards with $\frac{1}{4}$ " grinding and $\frac{1}{8}$ " cutting/grinding wheels in $4\frac{1}{2}$ " 5" and 6" diameters.

When you choose a WALTER wheel, you are guaranteed fastest removal rates and longest wheel life for the highest productivity and maximum safety.



GRINDING WHEEL SELECTION CHART



HP

Hug the work piece for minimum bounce and maximum operator comfort. SPIN-ON

	MEDIUM	HIGH	VERY HIGH
AGGRESSIVENESS			
VERSATILITY			
LIFE			
COMFORT & HANDLING			



DOUBLE X

When all costs are considered these wheels grind at the lowest cost. SPIN-ON

	MEDIUM	HIGH	VERY HIGH
AGGRESSIVENESS			
VERSATILITY			
LIFE			
COMFORT & HANDLING			



ALLSTEEL

Our most versatile grinding wheel.

	MEDIUM	HIGH	VERY HIGH
AGGRESSIVENESS			
VERSATILITY			
LIFE			
COMFORT & HANDLING			



ALLSTEEL XX

Controlled high removal rate on steel and stainless steel.

	MEDIUM	HIGH	VERY HIGH
AGGRESSIVENESS			
VERSATILITY			
LIFE			
COMFORT & HANDLING			

HP™

HIGH PERFORMANCE GRINDING

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



GRINDING

1/4"

TYPE 27



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
3"	1/4"	3/8"	08-B 310	A-24-HPS	20,000	25	100
4"	1/4"	3/8"	08-B 410	A-24-HPS	15,000	25	100
4"	1/4"	5/8"	08-B 400	A-24-HPS	15,000	25	100
4 1/2"	1/4"	5/8"-11 Spin-On	08-B 450	A-24-HPS	13,300	20	80
4 1/2"	1/4"	5/8"-11 Metal	08-B 455	A-24-HPS	13,300	10	80
4 1/2"	1/4"	7/8"	08-B 460	A-24-HPS	13,300	25	100
5"	1/4"	5/8"-11 Spin-On	08-B 500	A-24-HPS	12,200	20	80
5"	1/4"	5/8"-11 Metal	08-B 505	A-24-HPS	12,200	10	80
5"	1/4"	7/8"	08-B 510	A-24-HPS	12,200	25	100
6"	1/4"	7/8"	08-B 600	A-24-HPS	10,200	25	100
7"	1/4"	7/8"	08-B 710	A-24-HPS	8,600	25	100
7"	1/4"	5/8"-11 Metal	08-B 715	A-24-HPS	8,600	10	80
9"	1/4"	7/8"	08-B 910	A-24-HPS	6,800	25	100
9"	1/4"	5/8"-11 Metal	08-B 915	A-24-HPS	6,800	10	80

- High performance wheels grind off metal faster
- Smooth grinding with an aggressive, controlled bite
- Extra long wheel life
- Spin-On system offers fast and easy changeover of wheel for minimum downtime
- Perfectly centered wheel each and every time for best performance

1/4"

TYPE 28



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11 Spin-On	08-B 451	A-24-HPS	13,300	20	80
5"	1/4"	5/8"-11 Spin-On	08-B 501	A-24-HPS	12,200	20	80
7"	1/4"	7/8"	08-B 701	A-24-HPS	8,600	25	50
7"	1/4"	5/8"-11 Metal	08-B 706	A-24-HPS	8,600	10	40
9"	1/4"	7/8"	08-B 901	A-24-HPS	6,800	25	50
9"	1/4"	5/8"-11 Metal	08-B 906	A-24-HPS	6,800	10	40



HP™ COMBO

HIGH PERFORMANCE CUTTING AND GRINDING

These 1/8" wheels are rapidly setting new standards of performance in a depressed center wheel 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 27

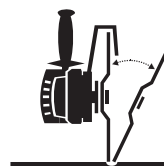


Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
3"	1/8"	3/8"	08-B 312	A-24-COMBO	20,000	25	200
4"	1/8"	3/8"	08-B 412	A-24-COMBO	15,000	25	200
4"	1/8"	5/8"	08-B 402	A-24-COMBO	15,000	25	200
4 1/2"	1/8"	5/8"-11 Spin-On	08-B 452	A-30-COMBO	13,300	20	200
4 1/2"	1/8"	5/8"-11 Metal	08-B 457	A-30-COMBO	13,300	10	80
4 1/2"	1/8"	7/8"	08-B 462	A-30-COMBO	13,300	25	200
5"	1/8"	5/8"-11 Spin-On	08-B 502	A-30-COMBO	12,200	20	200
5"	1/8"	5/8"-11 Metal	08-B 507	A-30-COMBO	12,200	10	80
5"	1/8"	7/8"	08-B 512	A-30-COMBO	12,200	25	200
6"	1/8"	7/8"	08-B 602	A-30-COMBO	10,200	25	100
7"	1/8"	7/8"	08-B 712	A-30-COMBO	8,600	25	100
7"	1/8"	5/8"-11 Metal	08-B 717	A-30-COMBO	8,600	10	40
9"	1/8"	7/8"	08-B 912	A-30-COMBO	6,800	25	100
9"	1/8"	5/8"-11 Metal	08-B 917	A-30-COMBO	6,800	10	40

- Spin-On system offers fast and easy changeover of wheel for minimum downtime
- Perfectly centered wheel each and every time for best performance
- Ideal for both cutting and light grinding work
- Holds cutting edge longer to give you a cutting life beyond compare
- Equipped with an exclusive metal hub cladding for extra strength and control



- World's only 1/8" thick wheel certified safe for grinding and cutting by renowned German MPA technical testing institute (3" to 7" diameter)



For cutting and intermittent light grinding



DOUBLE-X™

PREMIUM PERFORMANCE GRINDING

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



GRINDING

1/4"

TYPE 27



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4"	1/4"	3/8"	08-K 410	A-20-X	15,000	25	100
4"	1/4"	5/8"	08-K 400	A-20-X	15,000	25	100
4 1/2"	1/4"	5/8"-11 Spin-On	08-K 450	A-20-X	13,300	20	80
4 1/2"	1/4"	5/8"-11 Metal	08-K 455	A-20-X	13,300	10	80
4 1/2"	1/4"	7/8"	08-K 460	A-20-X	13,300	25	100
5"	1/4"	5/8"-11 Spin-On	08-K 500	A-20-X	12,200	20	80
5"	1/4"	7/8"	08-K 510	A-20-X	12,200	25	100
6"	1/4"	7/8"	08-K 600	A-16-X	10,200	25	100
7"	1/4"	7/8"	08-K 700	A-16-X	8,600	25	50
7"	1/4"	5/8"-11 Metal	08-K 705	A-16-X	8,600	10	40
9"	1/4"	7/8"	08-K 900	A-16-X	6,800	25	50
9"	1/4"	5/8"-11 Metal	08-K 905	A-16-X	6,800	10	40



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



1/4"

TYPE 28



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
7"	1/4"	7/8"	08-K 701	A-16-X	8,600	25	50
7"	1/4"	5/8"-11 Metal	08-K 706	A-16-X	8,600	10	40
9"	1/4"	7/8"	08-K 901	A-16-X	6,800	25	50
9"	1/4"	5/8"-11 Metal	08-K 906	A-16-X	6,800	10	40

- Removes the most steel in the shortest time and lasts the longest
- Improved bonding technology and state-of-the-art manufacturing ensure a working life that is unsurpassed - to reach new heights in productivity

MOUNTING ACCESSORIES

Description	Order No.
 Silicone Ring - Special heat resistant silicone ring for retention of the back flange to the spindle. Allows even quicker and easier changing of Spin-On wheels. 10 per package.	30-B 027
 Clamping Flange Holder - Universal 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



All 7" x 1/8", 7"x1/4", 9 x 1/8" and 9 x 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" x 1/8" x 5/8"-11) A-30-COMBO cutting/grinding wheel. Std. Pkg. 10.



ALLSTEEL™

OUR MOST VERSATILE GRINDING WHEEL

These grinding wheels are designed to deliver top performance when working on both steel and stainless steel. They incorporate the latest developments in grain and bonding technology to lower your grinding costs. Operator safety and comfort, fast removal rates and outstanding life are key features that will let you do more work in less time - guaranteed!



1/4"

TYPE 27



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-C 450	A-24-AS	13,300	25	100
4 1/2"	1/4"	5/8"-11 Metal	08-C 455	A-24-AS	13,300	10	80
5"	1/4"	7/8"	08-C 500	A-24-AS	12,200	25	100
5"	1/4"	5/8"-11 Metal	08-C 505	A-24-AS	12,200	10	80
6"	1/4"	7/8"	08-C 600	A-24-AS	10,200	25	100
7"	1/4"	7/8"	08-C 700	A-24-AS	8,600	25	50
7"	1/4"	5/8"-11 Metal	08-C 705	A-24-AS	8,600	10	40
9"	1/4"	7/8"	08-C 900	A-24-AS	6,800	25	50
9"	1/4"	5/8"-11 Metal	08-C 905	A-24-AS	6,800	10	40

- Fast removal rates and cool grinding action for entire life of wheel
- Excellent comfort and handling
- Heavily reinforced for absolute safety

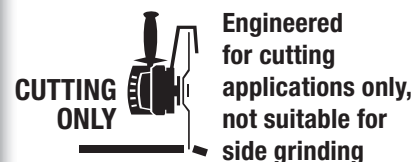
1/8"

TYPE 27



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

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



ALLSTEEL™ XX

EXCEPTIONAL GRINDING WITH LESS EFFORT

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



1/4"

TYPE 27



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-H 450	A-24-AXX	13,300	25	100
4 1/2"	1/4"	5/8"-11 Metal	08-H 455	A-24-AXX	13,300	10	80
5"	1/4"	7/8"	08-H 500	A-24-AXX	12,200	25	100
6"	1/4"	7/8"	08-H 600	A-24-AXX	10,200	25	100
7"	1/4"	7/8"	08-H 700	A-24-AXX	8,600	25	50
7"	1/4"	5/8"-11 Metal	08-H 705	A-24-AXX	8,600	10	40
9"	1/4"	7/8"	08-H 900	A-24-AXX	6,800	25	50
9"	1/4"	5/8"-11 Metal	08-H 905	A-24-AXX	6,800	10	40

- Exceptional grinding with less pressure and better control
- Outstanding life in both steel and stainless steel
- Wheels are balance-controlled within tolerances twice as strict for absolute safety

STAINLESS

SUPERIOR GRINDING AND CUTTING

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



1/4"

TYPE 27



Fe-S-CI
FREE



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11 Spin-on	08-F 450	A-30-SS	13,300	20	80
4 1/2"	1/4"	5/8"-11 Metal	08-F 455	A-30-SS	13,300	10	80
4 1/2"	1/4"	7/8"	08-F 460	A-30-SS	13,300	25	100
5"	1/4"	5/8"-11 Spin-on	08-F 500	A-30-SS	12,200	20	80
5"	1/4"	7/8"	08-F 510	A-30-SS	12,200	25	100
6"	1/4"	7/8"	08-F 600	A-30-SS	10,200	25	100
7"	1/4"	7/8"	08-F 700	A-30-SS	8,600	25	50
7"	1/4"	5/8"-11 Metal	08-F 705	A-30-SS	8,600	10	40
9"	1/4"	7/8"	08-F 900	A-30-SS	6,800	25	50
9"	1/4"	5/8"-11 Metal	08-F 905	A-30-SS	6,800	10	40



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

1/4"

TYPE 28



Fe-S-CI
FREE



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11 Spin-on	08-F 451	A-30-SS	13,300	20	80
5"	1/4"	5/8"-11 Spin-on	08-F 501	A-30-SS	12,200	20	80

1/8"

TYPE 27



Fe-S-CI
FREE



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	5/8"-11 Spin-on	08-F 452	A-30-SS COMBO	13,300	25	200
4 1/2"	1/8"	5/8"-11 Metal	08-F 457	A-30-SS COMBO	13,300	10	80
4 1/2"	1/8"	7/8"	08-F 462	A-30-SS COMBO	13,300	25	200
5"	1/8"	5/8"-11 Spin-on	08-F 502	A-30-SS COMBO	12,200	25	200
5"	1/8"	7/8"	08-F 512	A-30-SS COMBO	12,200	25	200
6"	1/8"	7/8"	08-F 602	A-30-SS COMBO	10,200	25	100
7"	1/8"	7/8"	08-F 702	A-30-SS COMBO	8,600	25	100
7"	1/8"	5/8"-11 Metal	08-F 707	A-30-SS COMBO	8,600	10	40
9"	1/8"	7/8"	08-F 902	A-30-SS COMBO	6,800	25	100
9"	1/8"	5/8"-11 Metal	08-F 907	A-30-SS COMBO	6,800	10	40



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

ALUMINUM

PERFORMANCE GRINDING AND CUTTING IN SOFT METALS

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



1/4"

TYPE 27



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-L 450	A-24-ALU	13,300	10	80
4 1/2"	1/4"	5/8"-11 Metal	08-L 455	A-24-ALU	13,300	10	80
5"	1/4"	7/8"	08-L 500	A-24-ALU	12,200	10	80
6"	1/4"	7/8"	08-L 600	A-24-ALU	10,200	10	80
7"	1/4"	7/8"	08-L 700	A-24-ALU	8,600	10	40
7"	1/4"	5/8"-11 Metal	08-L 705	A-24-ALU	8,600	10	40
9"	1/4"	7/8"	08-L 900	A-24-ALU	6,800	10	40
9"	1/4"	5/8"-11 Metal	08-L 905	A-24-ALU	6,800	10	40

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

1/8"

TYPE 27



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

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

CUP WHEELS

MAXIMUM SAFETY AND LONG LIFE

WALTER cup wheels are widely used for rough grinding or snagging work on concrete or steel. Supplied with deeply anchored wrap-around steel hub for maximum safety and long life. 5/8"-11 threaded arbor for spin-on mounting.



TYPE 11



Dia.	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4"	5/8"-11	12-A 004	C-24	9,100	1	10
5"	5/8"-11	12-A 005	C-24	8,600	1	10
6"	5/8"-11	12-A 006	C-24	6,800	1	10

- For heavy-duty grinding with excellent wheel life

PIPEFITTER™ WHEELS

OUTSTANDING PERFORMER IN PIPELINE CONSTRUCTION

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



GRINDING

3/32"

TYPE 27



Fe-S-Cl
FREE



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	3/32"	7/8"	08-N 453	A-36-PIPE	13,300	25	200
5"	3/32"	7/8"	08-N 503	A-36-PIPE	12,200	25	200
6"	3/32"	7/8"	08-N 603	A-36-PIPE	10,200	25	100
7"	3/32"	7/8"	08-N 703	A-36-PIPE	8,600	25	100
7"	3/32"	5/8"-11	08-N 708	A-36-PIPE	8,600	10	40

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

1/8"

TYPE 27



Fe-S-Cl
FREE



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

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

5/32"

TYPE 27



Fe-S-Cl
FREE



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/32"	7/8"	08-N 454	A-36-PIPE	13,300	25	200
5"	5/32"	7/8"	08-N 504	A-36-PIPE	12,200	25	200
6"	5/32"	7/8"	08-N 604	A-20-PIPE	10,200	25	100
7"	5/32"	7/8"	08-N 704	A-20-PIPE	8,600	25	100
7"	5/32"	5/8"-11	08-N 709	A-20-PIPE	8,600	10	40
9"	5/32"	7/8"	08-N 904	A-20-PIPE	6,800	25	100
9"	5/32"	5/8"-11	08-N 909	A-20-PIPE	6,800	10	40

- Formulated for light grinding, cutting and notching

CONCRETE

HIGH PERFORMANCE GRINDING AND CUTTING

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



1/4"

TYPE 27



Dia.	Thickness	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-E 450	C-24	13,300	10	80
5"	1/4"	7/8"	08-E 500	C-24	12,200	10	80
7"	1/4"	7/8"	08-E 700	C-24	8,600	10	40
7"	1/4"	5/8"-11	08-E 705	C-24	8,600	10	40
9"	1/4"	7/8"	08-E 900	C-24	6,800	10	40
9"	1/4"	5/8"-11	08-E 905	C-24	6,800	10	40

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

MOUNTED POINTS

These points are made from the finest grades of abrasive grain. Their 1/4" shafts are precisely centered and every point is dressed for perfect balance without run-out or vibration.

ORANGE

MILD STEEL AND CAST IRON

Illus.	Dia.	Length	Order No.	Type	Max. RPM	Std. Pkg.	Std. Ctn.
A	3/4"	2 1/2"	12-D 002	A-1	19,800	1	10
B	1"	2 3/4"	12-D 012	A-3	16,100	1	10
C	3/4"	1 1/8"	12-D 022	A-5	45,000	1	10
D	7/8"	2"	12-D 032	A-11	19,860	1	10
E	11/16"	1 1/4"	12-D 037	A-12	48,000	1	10
F	11/16"	7/8"	12-D 047	A-14	55,560	1	10
G	1"	1"	12-D 057	A-21	34,500	1	10
H	1"	1"	12-D 077	A-25	35,620	1	10
I	1 1/4"	5/8"	12-D 092	A-32	38,200	1	10
J	3/8"	1/4"	12-D 117	A-37	30,560	1	10
K	5/8"	1 1/4"	12-D 592	W-179	45,750	1	10
L	3/4"	1"	12-D 677	W-196	35,250	1	10
M	1"	1"	12-D 722	W-205	34,500	1	10
N	1"	3/8"	12-D 782	W-217	38,200	1	10
O	1"	1"	12-D 797	W-220	25,500	1	10
P	1"	2"	12-D 807	W-222	15,900	1	10

PINK

TOOL AND HIGH TENSILE STEEL

Illus.	Dia.	Length	Order No.	Type	Max. RPM	Std. Pkg.	Std. Ctn.
A	3/4"	2 1/2"	12-D 001	A-1	19,800	1	10
B	1"	2 3/4"	12-D 011	A-3	16,100	1	10
C	3/4"	1 1/8"	12-D 021	A-5	45,000	1	10
D	7/8"	2"	12-D 031	A-11	19,860	1	10
E	11/16"	1 1/4"	12-D 036	A-12	48,000	1	10
F	11/16"	7/8"	12-D 046	A-14	55,560	1	10
G	1"	1"	12-D 056	A-21	34,500	1	10
H	1"	1"	12-D 076	A-25	35,620	1	10
I	1 1/4"	5/8"	12-D 091	A-32	38,200	1	10
J	3/8"	1/4"	12-D 116	A-37	30,560	1	10
K	5/8"	1 1/4"	12-D 591	W-179	45,750	1	10
L	3/4"	1"	12-D 676	W-196	35,250	1	10
M	1"	1"	12-D 721	W-205	34,500	1	10
N	1"	3/8"	12-D 781	W-217	38,200	1	10
O	1"	1"	12-D 796	W-220	25,500	1	10
P	1"	2"	12-D 806	W-222	15,900	1	10

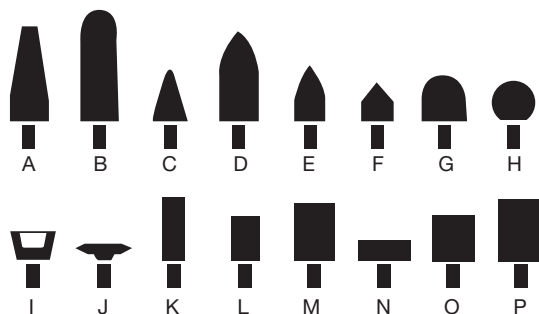
BROWN



Illus.	Dia.	Length	Order No.	Type	Max. RPM	Std. Pkg.	Std. Ctn.
B	1"	2 3/4"	12-D 013	A-3	16,100	1	10
C	3/4"	1 1/8"	12-D 023	A-5	45,000	1	10
D	7/8"	2"	12-D 033	A-11	19,860	1	10
E	11/16"	1 1/4"	12-D 038	A-12	48,000	1	10
G	1"	1"	12-D 058	A-21	34,500	1	10
H	1"	1"	12-D 078	A-25	35,620	1	10
K	3/8"	1 1/4"	12-D 593	W-179	45,750	1	10
L	5/8"	1"	12-D 678	W-196	35,250	1	10
M	3/4"	1"	12-D 723	W-205	34,500	1	10
N	1"	3/8"	12-D 783	W-217	38,200	1	10
O	1"	1"	12-D 798	W-220	25,500	1	10



- For fitting, shaping, enlarging holes and finishing work in confined spaces
- For use on die grinders, point grinders, flexible shaft machines, etc.



ACCESSORIES DRESSING STONES

Dims.	Order No.	Std. Pkg.	Std. Ctn.
2 3/4" x 5/8" x 5/16"	12-D 900	1	10
4" x 1" x 1/2"	12-D 901	1	10



BENCH GRINDING WHEELS

GRITS TO FIT ALL NEEDS

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



GRINDING

TYPE 1



Dia.	Thickness	Arbor	Order No.	Grit	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
7"	1 1/4"	1"	12-E 454	36 coarse	3,600	1	1
7"	1 1/4"	1"	12-E 457	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 653	24 coarse	2,500	1	1
10"	1 1/4"	1"	12-E 657	60 fine	2,500	1	1



TYPE 1



Dia.	Thickness	Arbor	Order No.	Grit	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
7"	1 1/4"	1"	12-E 459	80 fine	3,600	1	1
8"	7/8"	1"	12-E 539	80 fine	3,600	1	1
8"	1"	1"	12-E 549	80 fine	3,600	1	1
8"	1 1/4"	1"	12-E 559	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



Standard Type

12-E 001

Heavy-duty

12-E 002

Replacement Wheels

Set for 12-E 001

12-E 004

Set for 12-E 002

12-E 005



BLENDING SOLUTIONS THAT MEET TODAY'S TOUGHEST APPLICATIONS

Blending in welds in all metals is one of the most common applications in metal fabrication. Grinding the weld down and blending to a smooth surface, which meets the final finish requirements, or is suitable for the next step in surface refinement, is most effectively accomplished with either Flexcut flexible grinding wheels or Enduro-Flex TURBO flap discs.

Enduro-Flex Flap Discs combine grinding and sanding into a one-step operation, eliminating the use of conventional grinding wheels and sanding discs in many applications. The cost savings are exceptional, and users prefer Enduro-Flex because it is easy to use, quiet in operation, and delivers the highest performance in its full range of applications. Enduro-Flex TURBO flap discs offer additional cost savings for users looking for faster metal removal.

Flexcut Flexible grinding wheels offer superior handling and control when used on curved surfaces. They are preferred as a universal grinding wheel in maintenance and other off-site applications because of their exceptional versatility.



ENDURO-FLEX TURBO™

REMOVES FASTER THAN A 36 GRIT AND FINISHES LIKE A 60 GRIT

Removes faster! Better finish! Weld removal, edge breaking and other blending applications will never be the same.



SPIN-ON TYPE 27

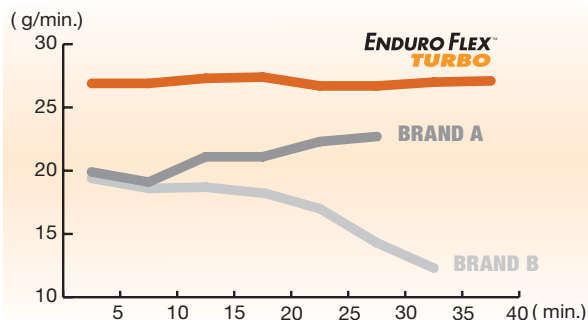


Dia.	Arbor	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	06-A 452	13,300	10	40
5"	5/8"-11	06-A 502	12,200	10	40

ENDURO FLEX™ TURBO



NEW



- Extremely fast removal rate
- **Cyclone™ technology** in combination with an exclusive flap geometry provide an ultra fast cutting rate equivalent to a 36 grit, but delivers a finish like a 60 grit
- **Turbofan™** Cooling design keeps the workpiece cooler for longer disc life
- Versatility for grinding, steel, stainless and aluminum
- Guaranteed cost savings

GREAT FOR WELD REMOVAL, EDGE BREAKING AND BLENDING APPLICATIONS

ENDURO FLEX™

THE ONE-STEP FINISHING SOLUTION!

Today's Enduro-Flex one-step finishing discs not only meet but surpass the challenges that the metal fabricating and finishing industries face daily. A new, ultra sharp and refined zirconium grain stays sharper longer to remove more material faster. A special top coat continuously cools and lubricates the disc for smooth, vibration-free grinding and sanding from start to finish.



SPIN-ON TYPE 29



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

- Will not smear or contaminate the workpiece
- Patented backing now has even more reinforcing ribs for added safety
- Backing can be trimmed down easily for a customized feel



TYPE 29



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

- Quiet and vibration-free grinding
- Complete control and total operator comfort
- Will not smear or contaminate the workpiece
- Flexible backing trims down without creating the dust often associated with fiberglass backed discs

New disc

After 35 min.*

After 85 min.*

USE ENDURO-FLEX ALL THE WAY DOWN!

No need to discard the disc when the flap overhang is worn down to the backing. The Enduro-Flex flap disc can be restored to like-new performance by reducing the diameter of the Eazy-Trim backing!



* Based on average material removal in steel.

**EAZY-TRIM
BACKING**



ENDURO-FLEX™ STAINLESS

THE ONE-STEP FINISHING SOLUTION!

Made from natural and sustainable plant fibers the Eco-Trim backing can easily be trimmed for higher productivity, maximum operator safety and comfort as well as protecting our environment.

Whether you work in stainless steel, aluminum or any other alloy, the Enduro-Flex flap discs will replace grinding wheels and sanding discs and provide exceptional cost savings, higher productivity and a more consistent surface finish.



BLENDING

SPIN-ON TYPE 29

Fe-S-CI
FREE



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

- Higher productivity
- Maximum operator safety
- Environmentally-friendly
- Convenient and safe
- Fe-free abrasive cloth
- Remove welds and finish surfaces in just one step
- Eco-Trim backing for higher productivity, maximum safety and environmentally-friendly
- Consistent finish without any discoloration
- Cool cutting will not load up or glaze
- Superior performance on all heat sensitive metals

TYPE 29

Fe-S-CI
FREE



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



FLEXCUT™

PREMIUM PERFORMANCE FLEXIBLE GRINDING WHEELS

Flexcut, the leading flexible grinding wheel for over 25 years is specially formulated to deliver superior performance on all ferrous and non-ferrous metals. The 4 1/2", 5" and 6" Flexcut flexible grinding wheels are now available with the exclusive SPIN-ON quick change mounting system for better comfort and maximum productivity.



- Deep Diamond-Cut pattern and optimized formulation
- More flexibility
- Best handling on flat and curved surfaces
- Cooler grinding
- Better stock removal in all materials (steel, stainless steel, aluminum)

SPIN-ON TYPE 29

**Fe-S-Cr
FREE**



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

TYPE 29

Dia.	Arbor	Order No.	Grit	Max. RPM	Std. Pkg.	Std. Ctn.
3"	3/8"	15-L 303*	A-36-X-FLEX	20,400	25	200
3"	3/8"	15-L 306*	A-60-X-FLEX	20,400	25	200
7"	7/8"	15-L 702	A-24-X-FLEX	8,600	25	200
7"	7/8"	15-L 703	A-36-X-FLEX	8,600	25	200
7"	7/8"	15-L 706	A-60-X-FLEX	8,600	25	200
7"	7/8"	15-L 710	A-100-X-FLEX	8,600	25	200

* Use with 1/4" mandrel 11-L 007, see page 68.
Always use Spin-On wheels with back flange.



ENDURO-FLEX™ 2 IN 1

THE LATEST GENERATION OF FLAP DISC THAT IS GUARANTEED TO REVOLUTIONIZE METAL FINISHING



One-Step Finishing

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

Long Lasting

Developed for blending light TIG welds, breaking edges, blending and removing surface imperfections, oxidation, discoloration, etc. One Enduro-Flex 2 in 1 disc will do the job of over 20 traditional discs while providing a smooth and consistent surface finish.

TYPE 29



Dia.	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	15-1 453	13,300	3,300 - 6,000	10	40
5"	7/8"	15-1 503	12,200	3,300 - 6,000	10	40

**EXCELLENT
FOR ALUMINUM**



SANDING FLAPS

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

BLENDEX FLAPS

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



TECH TIP

SPEED

To ensure longest life and best performance, use at optimal speed of 3,300 to 6,000 RPM.

PRESSURE

Higher pressure will increase removal rate while a lower pressure will improve the surface finish.

WORKING ANGLE

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



COATED ABRASIVES

Modern technology in metal joining and surface finishing has provided many alternative methods to the traditional use of sanding discs and belts in metal surface cleaning and preparation. However, since there are still a great number of applications where sanding discs and belts are the preferred and most effective way of finishing, the development in these coated abrasives continues to keep pace with more recent product innovations.

Sanding discs require the use of backing pads and the type of pad used will influence the performance of the disc. Choose the right pad for your application; flat for the widest surface contact, or shaped and air cooled for a narrow sanding path.

Shop rolls are most often used in repair or maintenance applications but are also suitable for making up customized belts for use on power tools.



WALTER
Surface Technologies

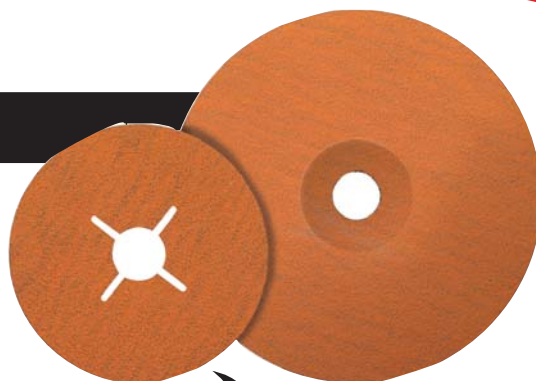
“Only the best”

COOLCUT™ XX

SANDING DISCS WITH CYCLONE™ TECHNOLOGY

An exclusive high tech blend of abrasive grains, bond and cooling agents is incorporated in these new discs, allowing you to blend and finish more pieces and establish new levels of productivity.

- ✓ 60% more life
- ✓ 3 times more material removal



GENERAL PURPOSE



Dia.	Arbor	Order No.	Grit	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	15-X 453	36	25	500
4 1/2"	7/8"	15-X 455	50	25	500
4 1/2"	7/8"	15-X 456	60	25	500
4 1/2"	7/8"	15-X 458	80	25	500
4 1/2"	7/8"	15-X 460	100	25	500
4 1/2"	7/8"	15-X 462	120	25	500
5"	7/8"	15-X 503	36	25	500
5"	7/8"	15-X 505	50	25	500
5"	7/8"	15-X 506	60	25	500
5"	7/8"	15-X 508	80	25	500
5"	7/8"	15-X 510	100	25	500
5"	7/8"	15-X 512	120	25	500
7"	7/8"	15-X 703	36	25	500
7"	7/8"	15-X 705	50	25	500
7"	7/8"	15-X 706	60	25	500
7"	7/8"	15-X 708	80	25	500
7"	7/8"	15-X 710	100	25	500
7"	7/8"	15-X 712	120	25	500

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

*Use Turbo Backing Pads for maximum benefit (Page 39).



COOLCUT™

GENERAL PURPOSE

Dia.	Arbor	Order No.	Grit	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	15-C 452	24	25	500
4 1/2"	7/8"	15-C 453	36	25	500
4 1/2"	7/8"	15-C 454	40	25	500
4 1/2"	7/8"	15-C 455	50	25	500
4 1/2"	7/8"	15-C 456	60	25	500
4 1/2"	7/8"	15-C 458	80	25	500
4 1/2"	7/8"	15-C 460	100	25	500
4 1/2"	7/8"	15-C 462	120	25	500
5"	7/8"	15-C 501	16	25	500
5"	7/8"	15-C 502	24	25	500
5"	7/8"	15-C 503	36	25	500
5"	7/8"	15-C 504	40	25	500
5"	7/8"	15-C 505	50	25	500
5"	7/8"	15-C 506	60	25	500
5"	7/8"	15-C 508	80	25	500
5"	7/8"	15-C 510	100	25	500
5"	7/8"	15-C 512	120	25	500
6"	7/8"	15-C 602	24	25	500
6"	7/8"	15-C 603	36	25	500
6"	7/8"	15-C 605	50	25	500
6"	7/8"	15-C 608	80	25	500
6"	7/8"	15-C 610	100	25	500
7"	7/8"	15-C 701	16	25	500
7"	7/8"	15-C 702	24	25	500
7"	7/8"	15-C 703	36	25	500
7"	7/8"	15-C 705	50	25	500
7"	7/8"	15-C 706	60	25	500
7"	7/8"	15-C 708	80	25	500
7"	7/8"	15-C 710	100	25	500
7"	7/8"	15-C 712	120	25	500



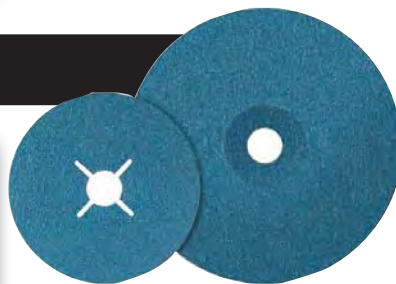
- For general purpose sanding, light weld removal, surface cleaning and finishing
- Premium blend of aluminum oxide grain
- High removal rate, cool cutting



TOPCUT™

GENERAL PURPOSE

Dia.	Arbor	Order No.	Grit	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	15-P 452	24	25	500
4 1/2"	7/8"	15-P 453	36	25	500
4 1/2"	7/8"	15-P 455	50	25	500
4 1/2"	7/8"	15-P 456	60	25	500
4 1/2"	7/8"	15-P 458	80	25	500
5"	7/8"	15-P 502	24	25	500
5"	7/8"	15-P 503	36	25	500
5"	7/8"	15-P 505	50	25	500
5"	7/8"	15-P 506	60	25	500
5"	7/8"	15-P 508	80	25	500
7"	7/8"	15-P 702	24	25	500
7"	7/8"	15-P 703	36	25	500
7"	7/8"	15-P 705	50	25	500
7"	7/8"	15-P 706	60	25	500
7"	7/8"	15-P 708	80	25	500



- For tough weld removal, grinding and blending applications
- "Blue" zirconium abrasive grain to remove more material faster
- High strength heat resistant bond for longest disc life

ACCESSORIES

BACKING PAD ASSEMBLIES

SANDING DISC

Thread	4"	4 ½"	5"	6"	7"
M10x1.25	15-D 030	-	-	-	-
3/8"-24	15-D 035	-	-	-	-
M14x2.0	-	15-D 042	15-D 052	15-D 062	-
5/8"-11	-	15-D 044	15-D 054	15-D 064	15-D 027
Max. RPM	15,000	13,300	12,200	10,200	8,600



- High quality impact resistant plastic with excellent heat dissipation characteristics
- Individually packaged, one clamping nut included

TURBO ACTION BACKING PADS

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.

5/8"-11 THREAD

Standard Pad, Black	Dia.	Max. RPM	Order No.
	4 ½"	13,300	15-M 044
	5"	12,200	15-M 054
	6"	10,200	15-M 064
	7"	8,600	15-M 007
Soft Pad, White	5"	12,200	15-M 055
	7"	8,600	15-M 008



- Standard pad, black, medium flexibility for light weld removal and blending



- Soft pad, white, extra flexible for surface finishing where a wider contact area is required

CLAMPING NUTS

FOR 4" BACKING PADS

Description	Order No.	Description	Order No.
M10x1.25	15-D 016	3/8"-24	15-D 015

FOR 4½" AND 5" BACKING PADS

Description	Order No.	Description	Order No.
M10x1.25	15-D 010	1/2"-13	15-D 013
M10x1.5	15-D 011	5/8"-11	15-D 014
M14x2.0	15-D 012	7/16"-20	15-D 018

Description	Arbor	Order No.
For 6" and 7" backing pads	5/8"-11	15-H 014
For 7" Turbo Action Backing Pads	5/8"-11	15-M 014

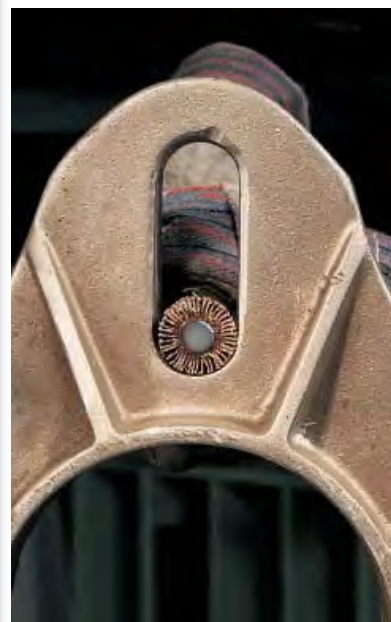


COOLCUT™ FLAP WHEELS

These flap wheels are made of the highest industrial quality abrasive cloth and have an optimal number of flaps that are securely bonded and balanced around the hub for highest quality finishing. They are ideal for general purpose blending, shaping and deburring with a consistent and uniform grained satin finish in no time.



- Excellent for small finishing and blending work with straight shaft and die grinders



1/4" SHAFT



Dia.	Width	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
1"	3/8"	40	15-F 054	30,000	10	100
1"	3/8"	60	15-F 056	30,000	10	100
1"	3/8"	80	15-F 058	30,000	10	100
1"	3/8"	120	15-F 062	30,000	10	100
1"	1"	40	15-F 154	30,000	10	100
1"	1"	60	15-F 156	30,000	10	100
1"	1"	80	15-F 158	30,000	10	100
1"	1"	120	15-F 162	30,000	10	100
1 1/2"	3/8"	40	15-F 004	25,000	10	100
1 1/2"	3/8"	60	15-F 006	25,000	10	100
1 1/2"	3/8"	80	15-F 008	25,000	10	100
1 1/2"	3/8"	120	15-F 012	25,000	10	100
1 1/2"	1"	40	15-F 104	25,000	10	100
1 1/2"	1"	60	15-F 106	25,000	10	100
1 1/2"	1"	80	15-F 108	25,000	10	100
1 1/2"	1"	120	15-F 112	25,000	10	100
1 1/2"	1"	240	15-F 124	25,000	10	100
2"	3/8"	40	15-F 204	25,000	10	100
2"	3/8"	60	15-F 206	25,000	10	100
2"	3/8"	80	15-F 208	25,000	10	100
2"	3/8"	120	15-F 212	25,000	10	100
2"	1"	40	15-F 304	25,000	10	100
2"	1"	60	15-F 306	25,000	10	100
2"	1"	80	15-F 308	25,000	10	100
2"	1"	120	15-F 312	25,000	10	100
2"	1"	240	15-F 324	25,000	10	100
2 1/2"	1 1/2"	40	15-F 504	20,000	10	100
2 1/2"	1 1/2"	60	15-F 506	20,000	10	100
2 1/2"	1 1/2"	80	15-F 508	20,000	10	100
2 1/2"	1 1/2"	1200	15-F 512	20,000	10	100
2 1/2"	1 1/2"	240	15-F 524	20,000	10	100
3"	1"	40	15-F 704	15,000	10	100
3"	1"	60	15-F 706	15,000	10	100
3"	1"	80	15-F 708	15,000	10	100
3"	1"	120	15-F 712	15,000	10	100
3"	1 1/2"	40	15-F 804	15,000	10	100
3"	1 1/2"	60	15-F 806	15,000	10	100
3"	1 1/2"	80	15-F 808	15,000	10	100
3"	1 1/2"	120	15-F 812	15,000	10	100
3"	1 1/2"	240	15-F 824	15,000	10	100
3"	2"	40	15-F 904	11,000	10	100
3"	2"	60	15-F 906	11,000	10	100
3"	2"	80	15-F 908	11,000	10	100
3"	2"	120	15-F 912	11,000	10	100

TWO-IN-ONE™ FLAP WHEELS

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



- Excellent for final weld blending and graining
- Cool cutting on heat sensitive metals



Dia.	Width	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.

ACCESSORY

Description	Order No.
 Reducer Bushing 1" wide, From 1 1/4" to 1", 3/4", 5/8", 1/2".	12-E 010
Adaptor Converts 1/4"-20 threaded shaft to 1/4" round shaft	30-B 061

TECH TIP

FINISHING GUIDE TWO-IN-ONE

GRIT	FEPA EQUIVALENT
Medium	150
Fine	180
Super Fine	220
Extra Fine Flexible	220
Polishing	360

COOLCUT™

SHOP ROLLS

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



ALL METALS

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 1/2"	50 yards	60	14-C 206	1	10
1 1/2"	50 yards	80	14-C 208	1	10
1 1/2"	50 yards	100	14-C 210	1	10
1 1/2"	50 yards	120	14-C 212	1	10
1 1/2"	50 yards	180	14-C 218	1	10
1 1/2"	50 yards	240	14-C 224	1	10
1 1/2"	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

ACCESSORY

BELT SPILICING KIT - Use these self-adhesive splice patches to make belts from shop roll strips.
Size: 1 3/16" x 1 9/16". Package of 25.

Order No. 07-F 003

- Premium J-weight cloth backing for long life and flexibility
- Perfect for making strip belts for use with the Line-Mate system belt drive roller listed on page 51
- Ideal for use in maintenance shops, machine shops, manufacturing plants and more



SHEETS

ALL METALS

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



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

BLENDIX™

HAND FINISHING ABRASIVES

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



HAND PADS



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

ACCESSORY



HAND PAD HOLDER - With molded hook pattern for positive pad holding and easy grip handle. 3" x 6"

Order No. 07-A 001

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

TECH TIP

Use white hand pad (07-A 500) or roll (07-B 504) with UNO family of industrial degreasers to clean any soiled surface.



ROLLS



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



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



FX™ CLEANING ABRASIVES

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



SPIN-ON

CUP DISCS **SPIN-ON** TYPE 27



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

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

MOUNTED WHEELS



Dia.	Width	Shaft	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
2"	1"	1/4"	07-X 120	11,000	6,000	1	25

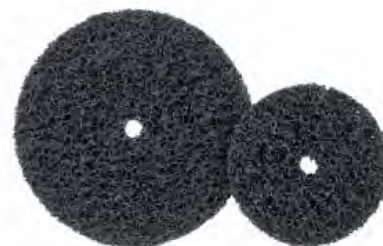


- Excellent for working in confined spaces

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	4,000	5	20
6"	1/2"	1/2"	07-X 660	4,000	2,500	5	20



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

ACCESSORIES

Description	Dia.	Order No.
Mounting Accessories for 4" FX Wheels	1/4" Shaft	07-X 004
	8mm Shaft	07-X 003
Mounting Accessories for 6" FX Wheels	1/4" Shaft	07-X 006
	8mm Shaft	07-X 005
Extension mandrels for use on angle grinders	M14 Thread	07-C 005
	5/8"-11 Thread	07-C 006





LINEAR FINISHING

Finishing a metal surface to a measurable specification or providing customized or signature finishes places the highest demands on the performance of abrasive products.

There is a WALTER surface cleaning and finishing system available to take you from a rough surface to a mirror finish, and nearly any finish in between, quickly and easily at the lowest bottom-line cost.

The LINE-MATE System, is the most complete abrasive system for all applications where a linear scratch pattern is required to repair or restore an original mill finish.

Choose from a wide range of coated, non-woven or combination abrasives to suit the specific individual requirements of your applications.



WALTER

Surface Technologies

“Only the best”

LINEAR FINISHING

HOW TO SELECT THE RIGHT LINEAR FINISHING SYSTEM

Coarse			Medium		Super Fine	
Surface preparation / Weld removal			No. 3	No. 4	Decorative finish	Mirror finish
Drum Belts 						
Drums FX Coolcut Blendex						
T-Lock Belts Blendex						

LINE-MATE III™

THE LINE FINISHING SPECIALIST

The Line-Mate III drum sander is rapidly setting new standards in industrial line finishing. It combines power with endurance, operator comfort and an unsurpassed level of smoothness to get you first to the finish.

✓ FIRST IN POWER AND ENDURANCE

High efficiency motor and gear drive combined with state of the art electronics give the Line-Mate III plenty of torque, even at lower speeds. With a 25% increase in power, the Line-Mate III is guaranteed to reduce your finishing times and costs.

✓ FIRST IN CONTROL AND COMFORT

Fully integrated DIALSPEED control with DYNAMAX electronics ensure that spindle speeds are fully adjustable and remain constant under load for a consistent and uniform finish. Skilled operators will be able to match any line finish with minimum effort.



LINE-MATE III™ KIT

Includes 1 LINE-MATE III with standard equipment plus 1 carrying case, 1 pneumatic drum, 6 cloth drum belts (2 of each grit 60, 80, and 120) 2 BLENDEX drum belts (coarse, medium), 1 Two-in-one drum (4 1/2" x 4") and 1 BLENDEX drum (4 1/2" x 4" medium).



LINE-MATE III

Model	Order No.	Spindle Thread	Motor	Amps	RPM	Std. Pkg.
6268 Line-Mate III	30-A 268	5/8"-11	120V A.C. only	12.4	1,000-3,800	1
6268 Kit	30-A 269	5/8"-11	120V A.C. only	12.4	1,000-3,800	1

STANDARD EQUIPMENT: 1 side handle and hand guard.

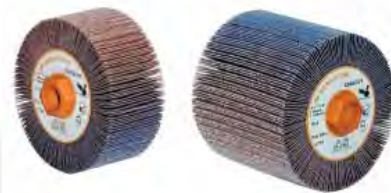
FINISHING LINEAR FINISHING ABRASIVES

Complete range of innovative abrasives designed to match any line finish and reduce your finishing costs. Whether you work in stainless steel, steel, aluminum, brass, copper or other alloys, applying a line finish is done quickly and with little effort.

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

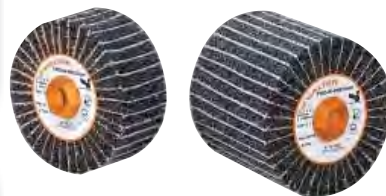


- Ideal for graining and light metal removal
- Will give a consistent and uniform finish
- Will not load or glaze

TWO-IN-ONE™ DRUMS



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



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

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



- 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



LINEAR FINISHING ABRASIVES

BLENDIX™ DRUMS



Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	2"	5/8"-11	High Density	07-M 411	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	High Gloss	07-M 446	3,800	1	10



- Produce a wide variety of shadow-free finishes
- Use them to polish, burnish, blend, deburr, clean and brighten stainless steel, aluminum, brass, copper and other alloys

BUFFING DRUMS



Dia.	Width	Length	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.
4 3/4"	2"	5/8"-11	Multi-Ply Cotton	07-T 425	3,800	1	10



- Ideal for enhancing and brightening existing finishes, taking out stains in metals and bringing out a new luster in work surfaces



LINEAR FINISHING ABRASIVES

CLOTH DRUM BELTS



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

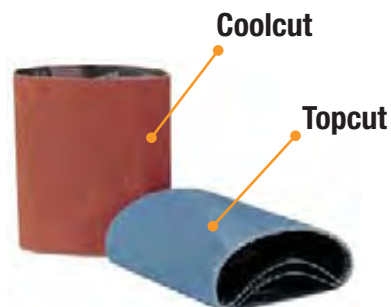
ACCESSORY

RUBBER CLEANING STICK

Order No.

Prolongs life of drum belts by removing build-up

14-E 001



- Will create or restore line finishes, level off small welds, round corners, remove scratches, paint, rust and scale with ease
- Equipped with taped butt joints for longer life and higher removal rate

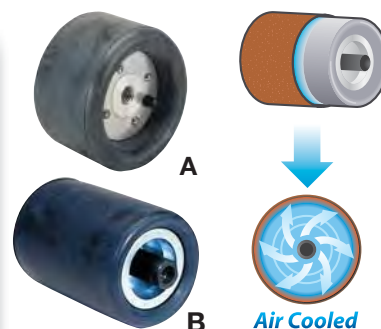
PNEUMATIC DRUMS

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

*Use with Extension - Order No. 08-B 009

REPLACEMENT RUBBER BLADDER ASSEMBLIES

Description	Order No.
3 1/2" x 5" (for drum A - 07-F 037)	07-F 093
5 3/8" x 3 1/2" (for drum B - 07-F 051)	07-F 095
Drum Inflator	07-F 012
Replacement valve core for both drums	07-F 013



Put a cushion of air between your abrasive to:

- Increase sandpaper life by reducing heat build-up
- Allow more flexibility - conforms to concave and convex surfaces

BLENDEX DRUM BELTS



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



COARSE: For tough cleaning, removing rust and small scratches
MEDIUM: For conditioning and removing surface imperfections
FINE: For fine surface refinements
SUPER FINE: Use as a last step before mirror finishing or to produce decorative finishes

LINEAR FINISHING ABRASIVES

FELT DRUM BELT

Width	Length	Order No.	Std. Pkg.	Std. Ctn.
5 3/8"	11 5/8"	07-T 530	1	10



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

ACCESSORIES

Description	Grit	Order No.
White Polishing Paste - Approx. 600g	1,200-1,500	07-T 901
Blue Polishing Paste - Approx. 650g	2,000	07-T 905



- Re-closable polishing paste tube with convenient push through system to protect the paste from contaminants

T-LOCK BELTS

BLENDEX™ T-LOCK BELTS

Dia.	Length	Grit	Color	Order No.	Std. Pkg.	Std. Ctn.
1 3/16"	25"	Coarse	Tan	07-H 242	3	48
1 3/16"	25"	Medium	Maroon	07-H 243	3	48
1 3/16"	25"	Fine	Blue	07-H 244	3	48
1 3/16"	25"	Super Fine	Grey	07-H 245	3	48



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

T-LOCK POLISHING FELT BELT

Dia.	Length	Grit	Color	Order No.	Std. Pkg.	Std. Ctn.
1 3/16"	25"	Polishing	White	07-T 225	3	48



ACCESSORY

Belt Drive Roller	3 1/4" x 2 3/4" 5/8"-11	Order No. 07-F 002
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HAND RAIL FINISHING KIT

Includes: 1 belt drive roller, 4 BLENDEX strip belt (1 coarse, 1 medium, 1 fine, 1 super fine). To be used with Line-Mate III drum sander.

Order No. 07-H 992





CIRCULAR FINISHING

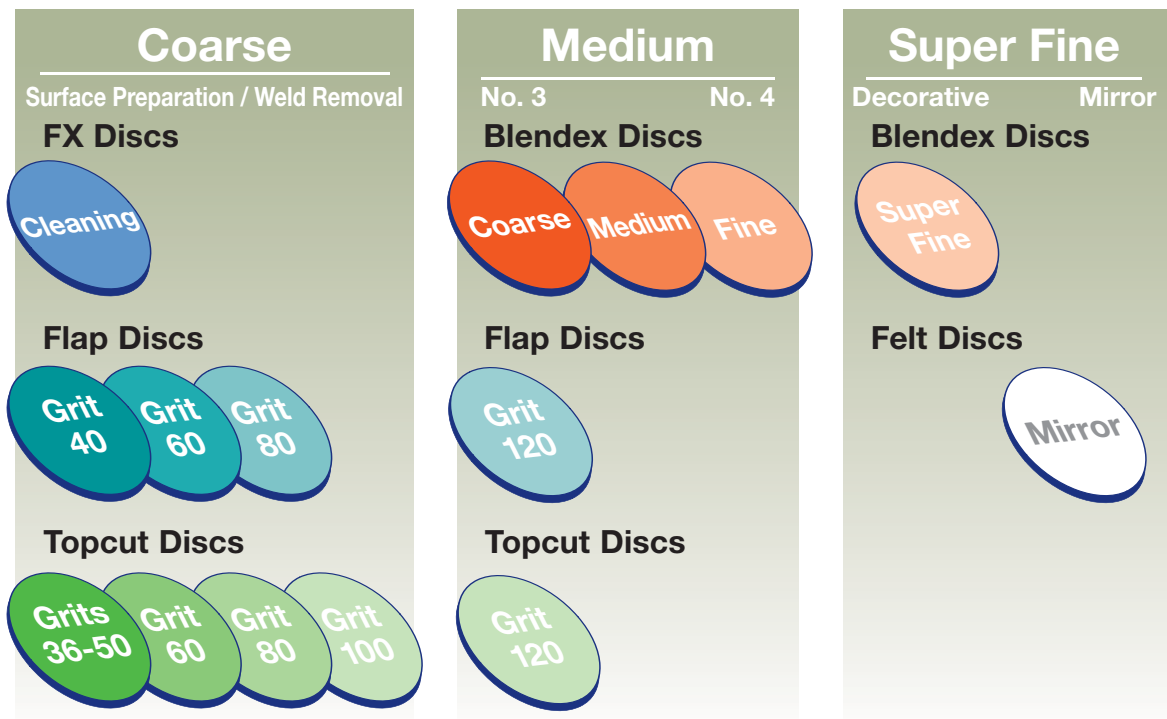
A great deal of time and effort are devoted to surface finishing of steel, stainless steel and non-ferrous metals. As with most processes, doing it the right way can enhance quality, save a great deal of time and eliminate the need for costly rework. WALTER offers two distinct circular finishing systems to produce or match your required finish by providing an optimal match of portable power tool and abrasive product.

The Quick-Step and quick-change TWIST Finishing Systems consist of the most versatile range of abrasives ever offered in one comprehensive grinding and finishing system.

Quick-Step Metal Surface Finishing System (Pages 54-57)

Twist Metal Finishing System (Pages 60-61)

CIRCULAR FINISHING HOW TO SELECT THE RIGHT CIRCULAR FINISHING SYSTEM



BIG BUFF III™

GRIND, SAND, BUFF, AND POLISH WITH ONE TOOL

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

- ✓ **LIGHT AND EASY TO CONTROL**
Sleek, slim line design and extra light weight let the operator work continuously without fatigue.
- ✓ **FULLY ADJUSTABLE SPEEDS**
Electronic speed control with DYNAMAX electronics ensure constant speed under full load for consistent and uniform surface finishing.
- ✓ **PLENTY OF TORQUE**
Powerful, high efficiency motor delivers plenty of torque even at lower speeds for buffing and polishing with ease.



CIRCULAR FINISHING KIT

Includes: 1 BIG-BUFF III with standard equipment plus 1 carrying case, 1 2-in-1 disc 4 1/2", 1 BLENDEUX U Cup disc 4 1/2", 1 Quick-Step backing pad 4 1/2", 2 QUICK-STEP flap discs (grit 40 and 60), 3 BLENDEX discs (medium), 1 FX disc, 2 felt discs (1 regular and 1 high polish), 1 white and 1 blue polishing paste.



BIG-BUFF III™

Model	Order No.	Disc Dia.	RPM	Spindle Thread	Motor	Amps	Weight
6265	30-A 265	4 1/2" to 6"	2,000-7,300	5/8"-11	120V A.C. Only	12.4	6 lbs.
6265 Kit	30-A 267	4 1/2"	2,000-7,300	5/8"-11	120V A.C. Only	12.4	16 lbs.

Standard Equipment: 1 Side Handle

PRODUCT SELECTION by standard Stainless Steel sheet finishes

Weld Removal	No. 3 Finish	No. 4 Finish	No. 7 Ornamental Finish	No. 8 Mirror Finish
QUICK-STEP flap discs	QUICK-STEP flap discs BLENDEX discs	BLENDEX discs	BLENDEX discs Poli-Quick	Felt Pads & Polishing Paste

QUICK-STEP™**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.

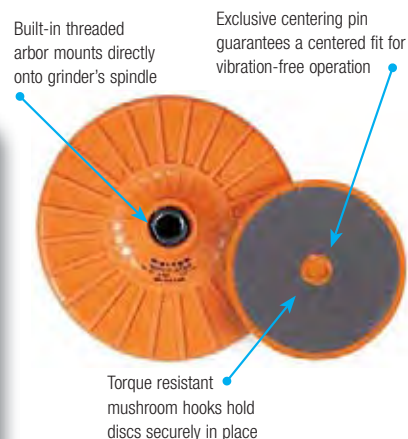
Description	Order No. - M 14 Nut	Order No. - 5/8"-11 Nut
For 4 1/2" discs, 4" pad	07-Q 042*	07-Q 044*
For 4 1/2" discs, 4 1/2" pad	07-Q 047	07-Q 049
For 5" discs, 5" pad	-	07-Q 054
For 6" discs, 6" pad	07-Q 062	07-Q 064
For 7" discs, 7" pad	-	07-Q 074

*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™ MG BACKING PAD

For maximum grip when working at high speeds, use this backing pad with the BLENDEX surface conditioning discs listed on page 55.

Description	Order No.
For 4 1/2" Discs, 4 1/2" Pad	07-Q 149

**QUICK-STEP™ INTERFACE PADS**

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

QUICK-STEP™ INTERFACE PADS

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

SPACER WASHERS

Description	Order No.
For long 5/8"-11 spindles	07-Q 001
For long M14x2.0 spindles	07-Z 005



QUICK-STEP™

METAL SURFACE FINISHING SYSTEM

For all your surface finishing needs. Whether you are blending in welds, cleaning surfaces, refining and enhancing existing finishes, or bringing out a mirror finish on stainless steel, steel, aluminum or any other ferrous and non-ferrous metals, you can do it all with QUICK-STEP.



TYPE 29



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

- For bringing down and blending in light welds, for deburring, breaking edges and rounding corners
- They are aggressive, cool cutting and give a consistent uniform finish
- Abrasive flaps are secured onto a flexible backing making them ideal for working on curved surfaces

BLENDEX™

SURFACE CONDITIONING DISCS



Dia.	Grit/Color	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
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"	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"	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"	Coarse/Tan	07-R 702	6,800	2,500 to 6,500	10	100
7"	Medium/Maroon	07-R 703	6,800	2,500 to 6,500	10	100
7"	Fine/Blue	07-R 704	6,800	2,500 to 6,500	10	100



- COARSE:** For most heavy duty applications
MEDIUM: For cleaning and removing surface imperfections
FINE: For producing a fine scratch pattern
SUPER FINE: Last step before polishing or for decorative finishes

POLI-QUICK™

POLI-QUICK™ DRY POLISHING DISCS



Dia.	Grit	Order No.	Recommended RPM	Std. Pkg.	Std. Ctn.
4 1/2"	F4	07-P 452	2,000 to 3,500	25	200
4 1/2"	F6	07-P 454	2,000 to 3,500	25	200
4 1/2"	F8	07-P 457	2,000 to 3,500	25	200

*Must be used with Poli-Quick Interface Foam Pad (listed below).

POLI-QUICK™ INTERFACE FOAM PAD WITH CENTERING PIN



Dia.	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-P 045	10,000	1	10



- Abrasive grains are bonded to the backing to resist loading and increase resiliency
- Achieve a #4 pharmaceutical/food grade finish at a glance
- Produce light mirror finish WITHOUT PASTES



POLI-QUICK™ STARTER KIT

Includes: 1 QUICK-STEP™ backing pad, 1 Poli-Quick™ interface pad with centering pin, 12 Poli-Quick dry polishing discs (4 each F4, F6 and F8 grit).

Dia.	Arbor	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	M14x2.0	07-Q 952	1	5
4 1/2"	5/8"-11	07-Q 953	1	5



- A full selection of all 3 Poli-Quick pads combined with a 5/8"-11 backing pad to meet all your fine finishing needs

QUICK-STEP™ FELT DISCS



Dia.	Order No.	Recommended RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-T 450	2,500 to 3,500	5	40
6"	07-T 600	2,000 to 3,000	5	40
7"	07-T 700	1,500 to 2,500	5	40



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

QUICK-STEP™ HIGH POLISH DISCS



Dia.	Order No.	Recommended RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-T 454	2,500 to 3,500	10	100
6"	07-T 604	2,000 to 3,000	10	100
7"	07-T 704	1,500 to 2,500	10	100

ACCESSORIES

Polishing Paste - Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants.

Description	Weight	Grit	Order No.
White Polishing Paste	Approx. 600g	1,200-1,500	07-T 901
Blue Mirror Finishing Paste*	Approx. 650g	2,000	07-T 905

*Does not contain animal fat and is suitable for use by food processing industry.



- Special soft polishing disc produces high gloss and mirror finishes faster



FX™ SURFACE CLEANING DISCS

Dia.	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	07-X 845	4,500	2,000 to 3,000	5	20
6"	07-X 860	4,500	2,000 to 3,000	5	20



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

QUICK-STEP™ STARTER KITS

Includes: 1 backing pad, 1 flap disc (grit 120), 9 BLENDEX discs (3 coarse, 3 medium, 2 fine, 1 super fine), 1 felt disc, 1 high polish disc, 1 mini white paste and 1 mini blue paste.

Dia.	Arbor	Order No.	Std. Pkg.	Std. Ctn.
4 1/2"	M14x2.0	07-Q 952	1	5
4 1/2"	5/8"-11	07-Q 953	1	5



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

BLEND^{EX}U™

THE ULTIMATE FINISHING TOOL!

The BLEND^{EX} Unitized Technology is used for deburring, cleaning, blending and finishing any kind of metal such as stainless steel, titanium, aluminum, alloys and even plastic and fiberglass.

✓ **LONG LASTING**

The incredible resistance when working on sharp edges ensures maximum productivity.

✓ **SUPERB FINISH**

Consistent and uniform, as close as possible to a mirror finish without the use of pastes.

✓ **NON LOADING**

The BLEND^{EX} structure provides a high resistance to loading which minimizes heat buildup and prolongs the life of the disc.

✓ **FLEXIBLE**

Choices of density: either soft with high comfortability or hard for more aggressiveness. All densities can easily be dressed.



TYPICAL APPLICATIONS & SELECTION CHART

	DEBURRING	CLEANING	BLENDING	FINISHING
Carbon Steels	6AM/6SF	6AM	6SF/2SF	2SF
Stainless Steels (Nickel Alloys)	6AM/6SF	2SF	6SF/2SF	2SF
Aluminum, Copper, Brass (Soft Metals)	6AM/2SF	2SF	2SF	2SF
Titanium, Alloys	6SF	6SF	6SF	6SF

The above are recommended starting points only.

TECH TIP

- Match a wide range of finishes with a variable speed grinder. For brighter finishes, increase the RPM of the tool. For duller finishes and polishing, decrease the RPM. The Big Buff III polisher/sander (Order no. 30-A 265) is the perfect match for BLEND^{EX}U products. Use it with ¼" thick discs.
- Shape BLEND^{EX}U discs to access difficult-to-reach areas. For example, corners can easily be cleaned and finished by tapering the edge of the Blendex U discs.

SUPERIOR FINISHES IN LESS TIME

The BLEND^{EX} Unitized Technology is used for deburring, cleaning, blending and finishing any kind of metal such as stainless steel, titanium, aluminum, alloys and even plastic and fiberglass.

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

WHEELS



Dia.	Width	Arbor	Grade	Order No.	Max RPM	Std. Pkg.	Std. Ctn.
3"	1/4"	3/8"	2SF	07-U 321	15,100	25	250
			6SF	07-U 322	18,100	25	250
			6AM	07-U 323	18,100	25	250
6"	1/4"	1"	2SF	07-U 621	5,000	5	40
			6SF	07-U 622	7,500	5	40
			6AM	07-U 623	7,500	5	40
6"	1/2"	1"	2SF	07-U 651	5,000	10	80
			6SF	07-U 652	7,500	10	80
			6AM	07-U 653	7,500	10	80
6"	1"	1"	2SF	07-U 611	5,000	5	40
			6SF	07-U 612	7,500	5	40
			6AM	07-U 613	7,500	5	40

ACCESSORIES

Item	Description	Order No.
	1" wide, from 1" to 3/4", 5/8" and 1/2"	12-E 007
	1/2" wide, from 1" to 3/4", 5/8" and 1/2"	12-E 011
	1/4" wide, from 1" to 1/2"	12-E 012
	1/4" wide, from 1" to 7/8"	12-E 008
	1/4" shaft for 3/8" arbor hole	11-L 007
	1/4" shaft	07-X 006
	5/8" - 11 thread	07-C 006

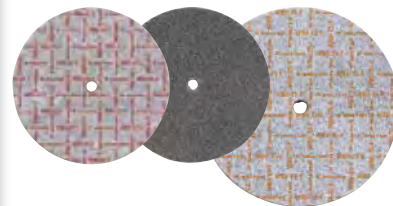
MOUNTED POINTS



Dia.	Length	Grade	Order No.	Max RPM	Std. Pkg.
3/8"	1 1/4"	2SF	07-U 101	37,210	5
3/8"	1 1/4"	6SF	07-U 102	37,210	5
3/8"	1 1/4"	6AM	07-U 103	37,210	5



- For use on angle grinders with suitable speed range
- ECO-TRIM[™] backing for higher productivity
- Spin-On system for fast and easy disc changeover



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

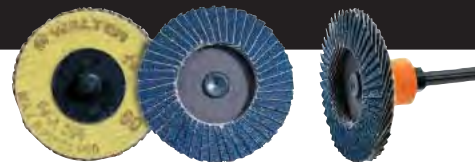


- These points are made with high quality BLEND^{EX} U material and offer a fast way to blend, clean and polish in difficult to reach areas, 1/4" shaft

TWIST™ QUICK CHANGE

METAL SURFACE FINISHING SYSTEM

The quick-change Twist system makes changing discs easy and fast, eliminating downtime and maximizing productivity.



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

- Mount and dismount with just a 1/4 turn
- Longest disc life and most consistent finish
- Very high removal rate
- One-step grinding and finishing

TWIST™ TOPCUT™ SANDING DISCS



Dia.	Grit	Color Code	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 formulation
- Unique construction for optimal heat dissipation and wear resistance
- Color coded for easy identification



TWIST™ BACKING PADS

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

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

BLENDEX™ CONDITIONING DISCS



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

Color Code: Coarse = Tan, Medium = Maroon, Fine = Blue, Super Fine = Grey.



- COARSE:** For most heavy duty applications
- MEDIUM:** For cleaning and removing surface imperfections
- FINE:** For producing a fine scratch pattern
- SUPER FINE:** Last step before polishing or for decorative finishes

TWIST™ QUICK CHANGE

BLENDEX™ TWIST™ DISCS

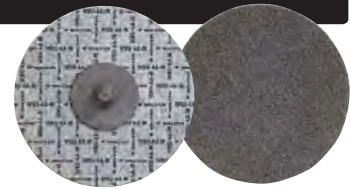


Dia.	Grade	Order No.	Max RPM	Std. Pkg.	Std. Ctn.
3"	2SF	04-U 321	15,100	10	100
3"	6SF	04-U 322	15,100	10	100
3"	6AM	04-U 323	15,100	10	100

ACCESSORIES - TWIST™ BACKING PADS

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

Color Code: Medium = Orange, Hard = Black



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



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

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

Use with Polishing Pastes listed on Page 56.



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

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



- Extra strong non-woven construction for removing oxides, scale and gaskets
- Cleans without damaging the surface
- Leaves no residue on the surface

TWIST STARTER KITS

FX™ SURFACE CLEANING DISCS

2" ASSORTMENT - Consists of 1 medium backing pad, 2 flap discs (1 ea. grit 40 and 80), 15 Topcut discs (3 ea. grit 36, 50, 60, 80 and 120), 12 BLENDEX discs (3 ea. coarse, medium, fine and super fine), and 1 FX disc.
Order No. 04-Z 992

3" ASSORTMENT - Consists of 1 medium backing pad, 10 Topcut discs (2 ea. grit 36, 50, 60, 80 and 120), 4 BLENDEX discs (1 ea. coarse, medium, fine and super fine), and 1 FX disc.
Order No. 04-Z 993





HIGH PERFORMANCE POWER BRUSHES

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

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

PERFECT BALANCE

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

LONGEST LIFE

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

- Choice of threads for direct mounting on all angle grinders available on the market today.
- Product and safety information are clearly and permanently embossed on each brush.
- Brushes are color coded for easy identification.
ORANGE = Steel
BLUE = Stainless Steel, Aluminum



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



WIRE CUP BRUSHES

FOR ANGLE GRINDERS

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

CRIMPED

Dia.	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
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

Dia.	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
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



KNOT-TWISTED

Dia.	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
3"	M10 x 1.25	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 RING

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



KNOT-TWISTED WITH RING

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



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

Color Coded Hubs for Easy Identification

Hub Color Wire Type

- Orange** Made with premium carbon steel wire that is oil hardened and tempered for longest life and maximum brushing action.
- Blue** Made with stainless steel #304 wire to help prevent contamination and surface rusting of brushed stainless steel parts. Also may be used on aluminum and other non-ferrous metals.



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



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

To convert brushes with 5/8"-11 arbor, please see page 68 for special threaded adaptors.

SAUCER-CUP™ BRUSHES

FOR ANGLE GRINDERS

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



KNOT-TWIST

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

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

KNOT-TWIST

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

To convert brushes with 5/8"-11 arbor, please see page 68 for special threaded adaptors.



CHOOSE THE RIGHT WIRE BRUSH

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

WIRE WHEEL BRUSHES

FOR ANGLE GRINDERS

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



BRUSHING

STRINGER BEAD



Dia.	Width	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
4"	1/4"	M14 x 2.0	13-K 402	.020"	20,000	1	10
4"	1/4"	5/8"-11	13-K 404	.020"	20,000	1	10
4 1/2"	1/4"	M14 x 2.0	13-K 452	.020"	15,500	1	10
4 1/2"	1/4"	5/8"-11	13-K 454	.020"	15,500	1	10
5"	1/4"	M14 x 2.0	13-K 502	.020"	15,500	1	10
5"	1/4"	5/8"-11	13-K 504	.020"	15,500	1	10
6"	1/4"	5/8"-11	13-K 604	.020"	10,000	1	10
6 1/2"	1/4"	5/8"-11	13-K 654	.020"	9,000	1	10

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



STRINGER BEAD



Dia.	Width	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
4"	1/4"	M14 x 2.0	13-K 412	.020"	20,000	1	10
4"	1/4"	5/8"-11	13-K 414	.020"	20,000	1	10
4 1/2"	1/4"	M14 x 2.0	13-K 462	.020"	15,500	1	10
4 1/2"	1/4"	5/8"-11	13-K 464	.020"	15,500	1	10
5"	1/4"	M14 x 2.0	13-K 512	.020"	15,500	1	10
5"	1/4"	5/8"-11	13-K 514	.020"	15,500	1	10
6"	1/4"	5/8"-11	13-K 614	.020"	10,000	1	10

KNOT-TWISTED



Dia.	Width	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
4"	5/8"	M14 x 2.0	13-L 402	.020"	20,000	1	10
4"	5/8"	5/8"-11	13-L 404	.020"	20,000	1	10
4 1/2"	5/8"	M14 x 2.0	13-L 452	.020"	15,500	1	10
4 1/2"	5/8"	5/8"-11	13-L 454	.020"	15,500	1	10
5"	5/8"	M14 x 2.0	13-L 502	.020"	15,500	1	10
5"	5/8"	5/8"-11	13-L 504	.020"	15,500	1	10
6"	5/8"	5/8"-11	13-L 604	.020"	10,000	1	10



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

KNOT-TWISTED



Dia.	Width	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
4"	5/8"	M14 x 2.0	13-L 412	.020"	20,000	1	10
4"	5/8"	5/8"-11	13-L 414	.020"	20,000	1	10
4 1/2"	5/8"	M14 x 2.0	13-L 462	.020"	15,500	1	10
4 1/2"	5/8"	5/8"-11	13-L 464	.020"	15,500	1	10
5"	5/8"	M14 x 2.0	13-L 512	.020"	15,500	1	10
5"	5/8"	5/8"-11	13-L 514	.020"	15,500	1	10
6"	5/8"	5/8"-11	13-K 614	.020"	10,000	1	10

WIRE WHEEL BRUSHES

FOR BENCH AND PEDESTAL GRINDERS

These brushes are made from the highest industrial quality wire, perfectly balanced for smooth running and long life. They are most commonly used to remove paint, rust and corrosion, for light deburring and similar cleaning jobs.



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

STRINGER BEAD

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



Dia.	Width	Arbor	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
6"	7/8"	1 1/4"	13-B 160	.0118" stainless	6,000	1	10
8"	1"	1 1/4"	13-B 180	.0118" stainless	4,500	1	10



ACCESSORY

REPLACEMENT SET OF BUSHINGS - Complete set of Bushings

Order No. 13-B 015

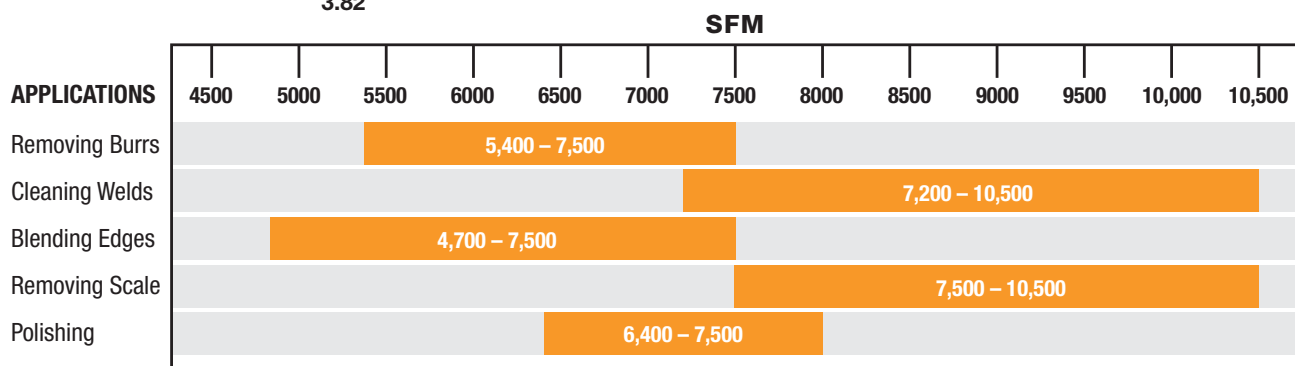
*All brushes with 1 1/4" arbor are equipped with a set of bushings to fit the following shaft diameters: 1/2", 5/8", 3/4", 7/8" and 1".



Choose the right speed for your application

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

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



MOUNTED WIRE BRUSHES

FOR DIE GRINDERS

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

CRIMPED



Type	Dia.	Width	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
A	3/4"	-	13-C 003	.010"	20,000	1	10
A	3/4"	-	13-C 005	.020"	20,000	1	10
A	7/8"	-	13-C 008	.014"	20,000	1	10
B	1 3/8"	1/4"	13-C 110	.008"	20,000	1	10
B	2"	5/8"	13-C 120	.0118"	20,000	1	10
B	3"	3/4"	13-C 125	.0118"	12,000	1	10
C	1 1/2"	-	13-C 015	.0118"	13,000	1	10
C	2 3/8"	-	13-C 018	.0118"	13,000	1	10



CRIMPED



Type	Dia.	Width	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
A	3/4"	-	13-C 053	.010"	20,000	1	10
A	3/4"	-	13-C 055	.020"	20,000	1	10
A	7/8"	-	13-C 058	.014"	20,000	1	10
B	1 3/8"	1/4"	13-C 160	.008"	20,000	1	10
B	2"	5/8"	13-C 170	.0118"	20,000	1	10
B	3"	3/4"	13-C 175	.0118"	12,000	1	10
C	1 1/2"	-	13-C 065	.0118"	13,000	1	10
C	2 3/8"	-	13-C 068	.0118"	13,000	1	10



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

KNOT-TWISTED



Type	Dia.	Width	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
D	1 1/8"	1/4"	13-C 020	.020"	20,000	1	10
E	2 3/4"	5/16"	13-C 130	.020"	20,000	1	10



- Knot-twisted wire is for heavy duty brushing like deburring, removing heavy rust and corrosion, etc.

KNOT-TWISTED



Type	Dia.	Width	Order No.	Wire	Max. RPM	Std. Pkg.	Std. Ctn.
D	1 1/8"	1/4"	13-C 070	.020"	20,000	1	10
E	2 3/4"	5/16"	13-C 180	.020"	20,000	1	10

ACCESSORIES

MANDRELS FOR ZIP WHEELS

FLUSH MOUNTING MANDRELS

with 1/4" shaft for wheel thickness up to 1/8"	Order No.
For 2" wheels, 5/16" arbor	11-L 001
For 2" & 3" wheels, 1/4" & 3/8" arbor	11-L 007
For 3" & 4" wheels, 1/4" arbor	11-L 006
For 3" & 4" wheels, 3/8" arbor	11-L 003

GENERAL PURPOSE MANDRELS

with 1/4" shaft	Order No.
For 2" wheels, 5/16" arbor	11-L 002
For 2" wheels, 3/8" arbor	11-L 008
For 3" & 4" wheels, 3/8" arbor	11-L 004
with 5/16" shaft	Order No.
For 3" & 4" wheels, 3/8" arbor	11-L 005

MANDRELS FOR FINISHING WHEELS

Description	Order No.
Plastic, 8mm Shaft, Self Expanding, Flush Mounting for 1" thick wheels	07-C 003
To mount flap wheels with 1/4"-20 shaft on 1/4" collet	30-B 061

TWIST BACKING PADS

1/4" SHAFT

with 1/4"-20 thread	Order No.
For 2" and 3" pads	04-X 001

REUSABLE ADAPTOR KIT

Description	Order No.
For depressed center wheels	08-B 031

ADAPTORS FOR WIRE BRUSHES

Use these threaded adaptors to convert brushes with 5/8"-11 arbor to:	Order No.
M10 x 1.25	13-D 001
M10 x 1.5	13-D 002
3/8"-24	13-D 003
3/8"-16	13-D 007

FOR FX WHEELS

MOUNTING ACCESSORIES

For use with 4" FX Wheels	Order No.
1/4" Shaft	07-X 004
8mm Shaft	07-X 003
For use with 6" FX Wheels	Order No.
1/4" Shaft	07-X 006
8mm Shaft	07-X 005
Extension Mandrels for use on angle grinders	Order No.
M14 x 2.0 thread	07-C 005
5/8"-11 thread	07-C 006

Two wheels may be mounted on each mandrel.

WHEEL DRESSERS

FOR BENCH GRINDER WHEELS

Description	Order No.
Standard	12-E 001
Heavy Duty	12-E 002

REPLACEMENT WHEELS

Description	Order No.
Set for 12-E 001	12-E 004
Set for 12-E 002	12-E 005

ACCESSORIES

AIR GRINDERS

ACCESSORIES



Use these adaptors to convert accessories with 5/8"-11 arbors to:

	Order No.
3/8"-16	13-D 004
5/16"-24	13-D 005



Use these extensions to mount accessories with 3/8"-24 thread on spindles with:

	Order No.
3/8"-24 thread	08-B 006
7/16"-20 thread	08-B 005

Use these extensions to mount accessories with 5/8"-11 thread on spindles with:

	Order No.
1/2"-13 thread	08-B 008
5/8"-11 thread	08-B 009



Clamping nut for use with above extension 3/8"-24 thread, to mount grinding wheels with 5/8" arbor. **Order No. 08-B 007**



Mounting flange to mount 4" type 27 grinding wheels on air grinders with 3/8"-24 spindle. **Order No. 08-B 004**

SPACER WASHERS



For grinders with:	Order No.
5/8"-11 spindle	07-Q 001
M14 x 2.0 spindle	07-Z 005

PIN KEY



Description	Order No.
For clamping nuts	48-Z 148

SPIN-ON PERFORMANCE KIT



Contains 1 universal holder for all types of clamping flanges. Allows quick and easy storage of clamping flange when not in use. Also includes 2 silicone rings. **Order No. 30-B 024**

BACKING FLANGES



Description	Order No.
-------------	-----------

Flange for grinders with 5/8"-11 spindle 30-B 057



Special heat resistant silicone ring for retention of the back flange to the spindle. Package of 10. 30-B 027

FLANGES FOR FLUSH MOUNTING WHEELS LESS THAN 1/8" THICK

FLUSH MOUNTING SET



For grinders with:	Order No.
3/8"-11 spindle	30-B 021

(Includes special flange and a clamping nut)

CLAMPING FLANGES



Use these flanges to mount 9" cut-off wheels on 5/8"-11 spindles, Set of 2.

Order No. 30-B 022



For grinders with:	Order No.
5/8"-11 spindle	30-B 037
M14 x 2.0 spindle	30-B 005



DRILL MORE HOLES FASTER!

Driven by end-user needs, WALTER is continually innovating to offer tooling that incorporates the latest technology to offer you the most advanced tooling on the market today.

To maintain the highest level of quality, we continuously carry out thorough quality controls and comparative performance tests. This way you are always assured to work under the best safety and comfort. We constantly integrate the latest technological improvements into our tooling to allow you to work faster and with less effort.

In the field, our team provides you with outstanding support and service. Our representatives have an in-depth knowledge of all our tooling and extensive experience of your application. They will help you choose the best suited tooling for your needs - so that you can drill more holes faster - guaranteed!



SST™ CORE CUT

GUARANTEED TO OUTPERFORM ALL UNCOATED CUTTERS!

They are made from specially formulated HSS steel that guarantees high wear resistance under the toughest conditions.

SST

Diameter	1" Depth	2" Depth	3" Depth	Std. Pkg.
USE WITH PILOT PIN	05-Z 005	05-Z 006	-	1
1/2"	05-A 008	05-A 308	-	1
USE WITH PILOT PIN	05-Z 001	05-Z 002	05-Z 018	1
9/16"	05-A 009	05-A 309	-	1
5/8"	05-A 010	05-A 310	-	1
11/16"	05-A 011	05-A 311	-	1
3/4"	05-A 012	05-A 312	-	1
13/16"	05-A 013	05-A 313	05-A 613	1
7/8"	05-A 014	05-A 314	-	1
15/16"	05-A 015	05-A 315	05-A 615	1
1"	05-A 100	05-A 400	-	1
1 1/16"	05-A 101	05-A 401	05-A 701	1
1 1/8"	05-A 102	05-A 402	-	1
1 3/16"	05-A 103	05-A 403	-	1
1 1/4"	05-A 104	05-A 404	-	1
1 5/16"	05-A 105	05-A 405	-	1
1 3/8"	05-A 106	05-A 406	-	1
1 7/16"	05-A 107	05-A 407	-	1
1 1/2"	05-A 108	05-A 408	-	1
1 9/16"	05-A 109	05-A 409	-	1
1 5/8"	05-A 110	05-A 410	-	1
1 3/4"	05-A 112	05-A 412	-	1
1 13/16"	05-A 113	05-A 413	-	1
1 7/8"	05-A 114	05-A 414	-	1
1 15/16"	05-A 115	05-A 415	-	1
2"	05-A 200	05-A 500	-	1
2 1/16"	05-A 201	05-A 501	-	1
2 1/8"	05-A 202	05-A 502	-	1
2 3/16"	-	05-A 503	-	1
2 1/4"	-	05-A 504	-	1
2 5/16"	-	05-A 505	-	1
2 3/8"	-	05-A 506	-	1



- Drills Faster
- Lasts Longer
- Universal shank
- Special bronze SST surface treatment
- Exclusive tooth design
- Fully ground flutes

TECH TIP

For increased cutting efficiency and tool life, use Icecut liquid



SEE PAGE 75



ICECUT™

GUARANTEED TO DRILL MORE HOLES IN LESS TIME!

WALTER Icecut annular cutters are coated with state-of-the-art next generation coating. Designed for use where lubricants are not permitted or are a problem to apply. They are guaranteed to drill 3 to 4 times more holes and in less time than any other annular cutters.

ICECUT

Diameter	1" Depth	2" Depth	Std. Pkg.
USE WITH PILOT PIN	05-Z 005	05-Z 006	1
1/2"	05-B 008	05-B 308	1
USE WITH PILOT PIN	05-Z 001	05-Z 002	1
9/16"	05-B 009	05-B 309	1
5/8"	05-B 010	05-B 310	1
11/16"	05-B 011	05-B 311	1
3/4"	05-B 012	05-B 312	1
13/16"	05-B 013	05-B 313	1
7/8"	05-B 014	05-B 314	1
15/16"	05-B 015	05-B 315	1
1"	05-B 100	05-B 400	1
1 1/16"	05-B 101	05-B 401	1
1 1/8"	05-B 102	05-B 402	1
1 3/16"	05-B 103	05-B 403	1
1 1/4"	05-B 104	05-B 404	1
1 5/16"	05-B 105	05-B 405	1
1 3/8"	05-B 106	05-B 406	1
1 7/16"	05-B 107	05-B 407	1
1 1/2"	05-B 108	05-B 408	1
1 9/16"	05-B 109	05-B 409	1
1 5/8"	05-B 110	05-B 410	1
1 3/4"	05-B 112	05-B 412	1
1 13/16"	05-B 113	05-B 413	1
1 7/8"	05-B 114	05-B 414	1
1 15/16"	05-B 115	05-B 415	1
2"	05-B 200	05-B 500	1
2 1/16"	05-B 201	05-B 501	1
2 1/8"	05-B 202	05-B 502	1
2 3/16"	-	05-B 503	1
2 1/4"	-	05-B 504	1
2 5/16"	-	05-B 505	1
2 3/8"	-	05-B 506	1



TiAlN Coating

20 Layers of TiAlN dramatically increases the lifespan and protects the cutting edge

Fully Ground Flutes

Machined from a solid piece of HSS steel, the Icecut will not shatter during regular drilling operations

Universal Shank

For quick and easy installation on all magnetic drilling units. Each bit has two flats and one dimple

Exclusive Tooth Design

Alternating tooth geometry dramatically increases cutting speed and assists with chip evacuation

Long-Lasting Edge

Protected by 20 layers of TiAlN, the cutting edges of the Icecut annular cutter will stay sharp even after 2,000 cuts



CARBIDE CORE CUT

GUARANTEED 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 high speed, high feed rates while requiring less pressure.



CARBIDE CORE CUT

Dia.	1" Depth	2" Depth	Std. Pkg.
USE WITH PILOT PIN	05-Z 007	05-Z 009	1
1/2"	05-C 008	05-C 308	1
USE WITH PILOT PIN	05-Z 008	05-Z 009	1
9/16"	05-C 009	05-C 309	1
USE WITH PILOT PIN	05-Z 003	05-Z 009	1
5/8"	05-C 010	05-C 310	1
USE WITH PILOT PIN	05-Z 003	05-Z 004	1
11/16"	05-C 011	05-C 311	1
3/4"	05-C 012	05-C 312	1
13/16"	05-C 013	05-C 313	1
7/8"	05-C 014	05-C 314	1
15/16"	05-C 015	05-C 315	1
1"	05-C 100	05-C 400	1
1 1/16"	05-C 101	05-C 401	1
1 1/8"	05-C 102	05-C 402	1
1 3/16"	05-C 103	05-C 403	1
1 1/4"	05-C 104	05-C 404	1
1 5/16"	05-C 105	05-C 405	1
1 3/8"	05-C 106	05-C 406	1
1 7/16"	05-C 107	05-C 407	1
1 1/2"	05-C 108	05-C 408	1
1 9/16"	05-C 109	05-C 409	1
1 5/8"	05-C 110	05-C 410	1
1 3/4"	05-C 112	05-C 412	1
1 13/16"	05-C 113	05-C 413	1
1 7/8"	05-C 114	05-C 414	1
1 15/16"	05-C 115	05-C 415	1
2"	05-C 200	05-C 500	1
2 1/16"	05-C 201	05-C 501	1
2 1/8"	05-C 202	05-C 502	1
2 3/16"	-	05-C 503	1
2 1/4"	-	05-C 504	1
2 5/16"	-	05-C 505	1
2 3/8"	-	05-C 506	1

- Universal shank
- Advanced flute design
- Premium quality carbide inserts



TECH TIP

For increased cutting efficiency and tool life, use Icecut liquid



SEE PAGE 75



ACCESSORIES

PILOT PINS

Precisely position annular cutters over drilling spot and eject slug after drilling is completed. All WALTER pilot pins are hardened and precision ground for longest life.



PILOT PINS

For use with:	Dia.	Order No.	Std. Pkg.	Std. Ctn.
1" SST Core Cut & Icecut	1/2"	05-Z 005	1	10
1" SST Core Cut & Icecut	9/16"-2 3/8"	05-Z 001	1	10
2" SST Core Cut & Icecut	1/2"	05-Z 006	1	10
2" SST Core Cut & Icecut	9/16"-2 3/8"	05-Z 002	1	10
3" SST Core Cut	3/16"-1 1/16"	05-Z 018	1	10
1 1/2" Carbide Core Cut	1/2"	05-Z 007	1	10
1 1/2" Carbide Core Cut	9/16"	05-Z 008	1	10
1 1/2" Carbide Core Cut	5/8"-2 3/8"	05-Z 003	1	10
2" Carbide Core Cut	1/2"-5/8"	05-Z 009	1	10
2" Carbide Core Cut	11/16"-2 3/8"	05-Z 004	1	10
With Fein & Nitto Adaptors				
1" SST Core Cut & Icecut	1/2"-2 3/8"	05-Z 002	1	10
2" SST Core Cut & Icecut	13/16"-1 1/16"	05-Z 018	1	10
1 1/2" Carbide Core Cut	1/2"-2 1/8"	05-Z 004	1	10
2" Carbide Core Cut	1/2"-2 3/8"	05-Z 016	1	10

MORSE TAPER SHANK ADAPTORS

For using WALTER annular cutters on drilling units with Morse Taper spindles. The coolant inducer feeds coolant through the pilot pin to increase cutter life.

MORSE TAPER

Description	No.	Order No.	Std. Pkg.	Std. Ctn.
With Coolant Inducer	2	05-Z 012	1	10
With Coolant Inducer	3	05-Z 013	1	10
Without Coolant Inducer	2	05-Z 010	1	10
Without Coolant Inducer	3	05-Z 011	1	10



FEIN & NITTO ADAPTORS

For use of WALTER annular cutters on all Fein and Nitto magnetic drills.

ADAPTORS

Description	Order No.	Std. Pkg.	Std. Ctn.
For Fein Drilling Units	05-Z 014	1	10
For Nitto Drilling Units	05-Z 015	1	10



DRILLING LUBRICANTS

HIGH PERFORMANCE CUTTING LUBRICANTS

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

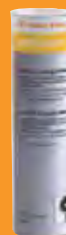
LUBRICANTS

Material	Description	Order No.	Size	MSDS
Mild & Hard Steel	Coolcut, Solid Stick	53-B 013	300g	L-22E
Mild & Hard Steel	Icecut, Liquid*	53-B 056	5L	L-122E
Mild & Hard Steel	Icecut, Liquid*	53-B 057	20L	L-122E

*Bio-degradable



TECH TIP



COOLCUT SOLID STICK

When drilling vertically, use Coolcut Solid Stick lubricant. The waxy film will adhere to the drill tip and will not make a mess.

CARBIDE BURRS

HIGH PERFORMANCE

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

1/4" SHANK - STANDARD LENGTH

DOUBLE CUT



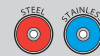
Shape	Dia.	Length	Order No.	USCTI Type	Std. Pkg.	Std. Ctn.
	Cylindrical	1/4"	5/8"	01-V 001	SA-1	1 10
		3/8"	3/4"	01-V 002	SA-3	1 10
		1/2"	1"	01-V 004	SA-5	1 10
	Cylindrical	1/4"	5/8"	01-V 005	SC-1	1 10
	Round Nose	3/8"	3/4"	01-V 006	SC-3	1 10
		1/2"	1"	01-V 007	SC-5	1 10
	Ball	1/4"	7/32"	01-V 009	SD-1	1 10
		3/8"	5/16"	01-V 010	SD-3	1 10
		1/2"	7/16"	01-V 026	SD-5	1 10
		5/8"	9/16"	01-V 011	SD-6	1 10
	Tapered	1/2"	1"	01-V 013	SG-5	1 10
	Tree	3/8"	3/4"	01-V 014	SF-3	1 10
		1/2"	1"	01-V 015	SF-5	1 10
	Cone	1/4"	5/8"	01-V 017	SL-1 14°	1 10
		3/8"	1 1/16"	01-V 031	SL-3 14°	1 10
		1/2"	1 1/8"	01-V 032	SL-4 14°	1 10
	Conical	1/2"	7/8"	01-V 018	SM-5 28°	1 10
	Egg	3/8"	5/8"	01-V 027	SE-3	1 10
		1/2"	7/8"	01-V 028	SE-5	1 10
	Flame	5/16"	3/4"	01-V 029	SH-2	1 10
		1/2"	1 1/4"	01-V 030	SH-5	1 10



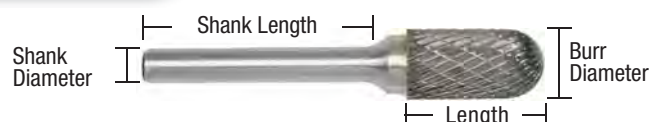
- Precise manufacturing - Burr runs perfectly true without vibration
- First grade tungsten carbide - For the toughest applications in a wide range of materials
- Exclusive tooth design - Guarantees maximum cutting performance
- Advanced flute geometry - Ensures maximum cutting capacity and chip evacuation from tip to bottom
- High strength brazed joint - Stringent manufacturing process guarantees no breakage

1/4" SHANK - 6" LENGTH

DOUBLE CUT



Shape	Dia.	Length	Order No.	USCTI Type	Std. Pkg.	Std. Ctn.
	Cylindrical	1/4"	5/8"	01-V 601	SA-1	1 10
		3/8"	3/4"	01-V 602	SA-3	1 10
		1/2"	1"	01-V 604	SA-5	1 10
	Cylindrical	1/4"	5/8"	01-V 605	SC-1	1 10
	Round Nose	3/8"	3/4"	01-V 606	SC-3	1 10
		1/2"	1"	01-V 607	SC-5	1 10
	Ball	1/4"	7/32"	01-V 609	SD-1	1 10
		3/8"	5/16"	01-V 610	SD-3	1 10
		1/2"	7/16"	01-V 626	SD-5	1 10
	Tapered	1/2"	1"	01-V 613	SG-5	1 10
	Tree	3/8"	3/4"	01-V 614	SF-3	1 10
		1/2"	1"	01-V 615	SF-5	1 10



CARBIDE BURRS

1/4" SHANK

SINGLE CUT



Shape	Dia.	Length	Order No.	USCTI Type	Std. Pkg.	Std. Ctn.
Cylindrical	3/8"	3/4"	01-V 003	SA-3	1	10
Cylindrical Round Nose	1/2"	1"	01-V 008	SC-5	1	10
Tree	1/2"	1"	01-V 016	SF-5	1	10
Cone	3/8"	1 1/4"	01-V 036	SL-3	1	10

1/4" SHANK

DOUBLE CUT

HARD ALLOYS

Shape	Dia.	Length	Order No.	USCTI Type	Std. Pkg.	Std. Ctn.
Cylindrical Round Nose	1/2"	1"	01-V 033	SC-5	1	10
Tree	1/2"	1"	01-V 034	SF-5	1	10
Cone	1/2"	1 1/8"	01-V 035	SL-4	1	10

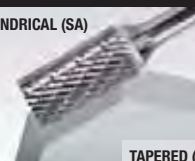
1/8" SHANK

DOUBLE CUT



Shape	Dia.	Length	Order No.	USCTI Type	Std. Pkg.	Std. Ctn.
Cylindrical	1/8"	9/16"	01-V 020	SA-43	1	10
Ball	1/8"	1/8"	01-V 021	SD-42	1	10
Tree	1/8"	1/2"	01-V 022	SF-42	1	10
Tapered	1/8"	1/2"	01-V 023	SG-44	1	10
Cone	1/8"	1/2"	01-V 024	SL-42	1	10
Conical	1/8"	7/16"	01-V 025	SM-42 12°	1	10

CYLINDRICAL (SA)



TAPERED (SG)



CONICAL (SM)



CYLINDRICAL ROUND NOSE (SC)



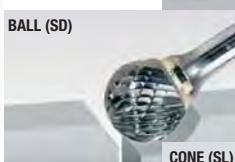
TREE (SF)



EGG (SE)



BALL (SD)



CONE (SL)



FLAME (SH)



TECH TIP

MAXIMUM RPM FOR CARBIDE BURRS

Diameter	Optimum Speed Range	
	Standard Burr	6" Long Burrs
1/4"	70,000	35,000
5/16"	68,000	34,000
3/8"	66,000	33,000

Diameter	Optimum Speed Range	
	Standard Burr	6" Long Burrs
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

SINGLE VS. DOUBLE CUT RECOMMENDATIONS

Material	Double Cut	Single Cut
Aluminum	-	X
Brass	X	X
Bronze	X	-
Cast Iron	X	-
Copper	-	X
Copper	-	X
Carbon Fiber	X	-
Inconel	X	-
Magnesium	-	X
Plastics	X	-
Hard Rubber	X	-

Material	Double Cut	Single Cut
Steel-45-55Rc	X	-
Steel-55-60Rc	X	-
Steel - Carbon	X	-
Steel - Nickel Chrome	X	-
Steel - Stainless	X	-
Steel - Weldments	X	-
Titanium	X	-
Zinc	-	X

CARBIDE BURR PRODUCTION SET

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

Order No.
01-V 990



Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
01-V 001	662980114667	1/4x5/8 CARBIDE BURR	76	04-Z 992	662980033272	2 TWIST STARTER KIT	61
01-V 002	662980075098	3/8x3/4 CARBIDE BURR	76	04-Z 993	662980038505	3 TWIST STARTER KIT	61
01-V 003	662980152799	3/8x3/4 CARBIDE BURR ALU	77	05-A 008	662980695944	1/2x1 SST CORE CUT	71
01-V 004	662980266373	1/2x1 CARBIDE BURR	76	05-A 009	662980523315	9/16x1 SST CORE CUT	71
01-V 005	662980071007	1/4x5/8 CARBIDE BURR	76	05-A 010	662980732267	5/8x1 SST CORE CUT	71
01-V 006	662980279915	3/8x3/4 CARBIDE BURR	76	05-A 011	662980873816	11/16x1 SST CORE CUT	71
01-V 007	662980221334	1/2x1 CARBIDE BURR	76	05-A 012	662980614280	3/4x1 SST CORE CUT	71
01-V 008	662980012161	1/2x1 CARBIDE BURR ALU	77	05-A 013	662980567159	13/16x1 SST CORE CUT	71
01-V 009	662980217382	1/4x7/32 CARBIDE BURR	76	05-A 014	662980773345	7/8x1 SST CORE CUT	71
01-V 010	662980111178	3/8x5/16 CARBIDE BURR	76	05-A 015	662980836958	15/16x1 SST CORE CUT	71
01-V 011	662980249932	5/8x9/16 CARBIDE BURR	76	05-A 100	662980880531	1x1 SST CORE CUT	71
01-V 013	662980080832	1/2x1 CARBIDE BURR	76	05-A 101	662980452967	1 1/16x1 SST CORE CUT	71
01-V 014	662980077047	3/8x3/4 CARBIDE BURR	76	05-A 102	662980639825	1 1/8x1 SST CORE CUT	71
01-V 015	662980141724	1/2x1 CARBIDE BURR	76	05-A 103	662980494493	1 3/16x1 SST CORE CUT	71
01-V 016	662980143438	1/2x1 CARBIDE BURR ALU	77	05-A 104	662980524084	1 1/4x1 SST CORE CUT	71
01-V 017	662980093696	1/4x5/8 CARBIDE BURR	76	05-A 105	662980457672	1 1/16x1 SST CORE CUT	71
01-V 018	662980227640	1/2x7/8 CARBIDE BURR	76	05-A 106	662980565629	1 3/8x1 SST CORE CUT	71
01-V 020	662980274118	1/8x9/16 CARBIDE BURR	77	05-A 107	662980833865	1 7/16x1 SST CORE CUT	71
01-V 021	662980279342	1/8x1/2 CARBIDE BURR	77	05-A 108	662980301975	1 1/2x1 SST CORE CUT	71
01-V 022	662980284575	1/8x1/2 CARBIDE BURR	77	05-A 109	662980840313	1 9/16x1 SST CORE CUT	71
01-V 023	662980289815	1/8x1/2 CARBIDE BURR	77	05-A 110	662980482629	1 5/8x1 SST CORE CUT	71
01-V 024	662980005057	1/8x1/2 CARBIDE BURR	77	05-A 112	662980421536	1 3/4x1 SST CORE CUT	71
01-V 025	662980010280	1/8x7/16 CARBIDE BURR	77	05-A 113	662980698440	1 13/16x1 SST CORE CUT	71
01-V 026	662980015537	1/2x7/16 CARBIDE BURR	76	05-A 114	662980751206	1 7/8x1 SST CORE CUT	71
01-V 027	662980020777	3/8x5/8 CARBIDE BURR	76	05-A 115	662980420201	1 15/16x1 SST CORE CUT	71
01-V 028	662980026007	1/2x7/8 CARBIDE BURR	76	05-A 200	662980863718	2x1 SST CORE CUT	71
01-V 029	662980031230	5/16x3/4 CARBIDE BURR	76	05-A 201	662980362037	2 1/16x1 SST CORE CUT	71
01-V 030	662980036464	1/2x1 1/4 CARBIDE BURR	76	05-A 202	662980887295	2 1/8x1 SST CORE CUT	71
01-V 031	662980041703	3/8x1 1/16 CARBIDE BURR	76	05-A 308	662980728253	1/2x2 SST CORE CUT	71
01-V 032	662980046968	1/2x1 1/8 CARBIDE BURR	76	05-A 309	662980914113	9/16x2 SST CORE CUT	71
01-V 033	662980052228	1/2x1 CARBIDE BURR	77	05-A 310	662980540749	5/8x2 SST CORE CUT	71
01-V 034	662980057452	1/2x1 CARBIDE BURR	77	05-A 311	662980535349	11/16x2 SST CORE CUT	71
01-V 035	662980062685	1/2x1 1/8 CARBIDE BURR	77	05-A 312	662980617229	3/4x2 SST CORE CUT	71
01-V 036	662980371084	3/8x1 1/4 CARBIDE BURR	77	05-A 313	662980818862	13/16x2 SST CORE CUT	71
01-V 990	662980039694	PRODUCTION SET	77	05-A 314	662980322291	7/8x2 SST CORE CUT	71
04-A 254	662980121023	2 1/2 GR40 TWIST FLAP	60	05-A 315	662980929506	15/16x2 SST CORE CUT	71
04-A 256	662980126264	2 1/2 GR60 TWIST FLAP	60	05-A 400	662980521366	1x2 SST CORE CUT	71
04-A 258	662980131510	2 1/2 GR80 TWIST FLAP	60	05-A 401	662980692912	1-1/16x2 SST CORE CUT	71
04-A 262	662980136744	2 1/2 GR120 TWIST FLAP	60	05-A 402	662980637067	1-1/8x2 SST CORE CUT	71
04-D 203	662980026762	2 TWIST TOPCUT GR36	60	05-A 403	662980405796	1-3/16x2 SST CORE CUT	71
04-D 205	662980032015	2 TWIST TOPCUT GR50	60	05-A 404	662980352663	1-1/4x2 SST CORE CUT	71
04-D 206	662980037249	2 TWIST TOPCUT GR60	60	05-A 405	662980533512	1-5/16x2 SST CORE CUT	71
04-D 208	662980042472	2 TWIST TOPCUT GR80	60	05-A 406	662980622629	1-3/8x2 SST CORE CUT	71
04-D 210	662980047705	2 GR100 TWIST TOPCUT	60	05-A 407	662980342091	1-7/16x2 SST CORE CUT	71
04-D 212	662980052938	2 GR120 TWIST TOPCUT	60	05-A 408	662980713426	1-1/2x2 SST CORE CUT	71
04-D 303	662980058169	3 GR36 TWIST TOPCUT	60	05-A 409	662980573471	1-9/16x2 SST CORE CUT	71
04-D 305	662980063408	3 GR50 TWIST TOPCUT	60	05-A 410	662980660676	1-5/8x2 SST CORE CUT	71
04-D 306	662980068632	3 GR60 TWIST TOPCUT	60	05-A 412	662980611524	1-3/4x2 SST CORE CUT	71
04-D 308	662980073865	3 GR80 TWIST TOPCUT	60	05-A 413	662980841198	1-13/16x2 SST CORE CUT	71
04-D 310	662980079102	3 GR100 TWIST TOPCUT	60	05-A 414	662980986226	1-7/8x2 SST CORE CUT	71
04-D 312	662980084335	3 GR120 TWIST TOPCUT	60	05-A 415	662980580257	1-15/16x2 SST CORE CUT	71
04-G 202	662980269480	2 TWIST BLENDEX	60	05-A 500	662980729380	2x2 SST CORE CUT	71
04-G 203	662980274712	2 TWIST BLENDEX	60	05-A 501	662980343111	2-1/16x2 SST CORE CUT	71
04-G 204	662980279946	2 TWIST BLENDEX	60	05-A 502	662980660287	2-1/8x2 SST CORE CUT	71
04-G 205	662980285176	2 TWIST BLENDEX	60	05-A 503	662980388754	2-3/16x2 SST CORE CUT	71
04-G 302	662980005781	3 TWIST BLENDEX	60	05-A 504	662980983928	2-1/4x2 SST CORE CUT	71
04-G 303	662980011027	3 TWIST BLENDEX	60	05-A 505	662980721773	2-5/16x2 SST CORE CUT	71
04-G 304	662980016251	3 TWIST BLENDEX	60	05-A 506	662980917138	2-3/8x2 SST CORE CUT	71
04-G 305	662980021484	3 TWIST BLENDEX	60	05-A 613	662980311462	13/16x3 SST CORE CUT	71
04-L 200	662980089569	2 TWIST FX DISC	61	05-A 615	662980868218	15/16x3 SST CORE CUT	71
04-L 300	662980094792	3 TWIST FX DISC	61	05-A 701	662980953860	1-1/16x3 SST CORE CUT	71
04-T 204	662980380697	2 FELT DISC	61	05-B 008	662980886960	1/2x1 ICECUT	72
04-T 304	662980388259	3 FELT DISC	61	05-B 009	662980447451	9/16x1 ICECUT	72
04-U 321	662980890707	3" BLENDEX U TWIST-2SF	61	05-B 010	662980700907	5/8x1 ICECUT	72
04-U 322	662980393598	3" BLENDEX U TWIST-6SF	61	05-B 011	662980536285	11/16x1 ICECUT	72
04-U 323	662980399033	3" BLENDEX U TWIST-6AM	61	05-B 012	662980385968	3/4x1 ICECUT	72
04-X 001	662980065631	1/4 SHAFT	68	05-B 013	662980401569	13/16x1 ICECUT	72
04-X 202	662980100028	2 TWIST BACKING PAD	61	05-B 014	662980839522	7/8x1 ICECUT	72
04-X 203	662980105306	2 TWIST BACKING PAD	61	05-B 015	662980918470	15/16x1 ICECUT	72
04-X 302	662980110560	3 TWIST BACKING PAD	61	05-B 100	662980777831	1x1 ICECUT	72
04-X 303	662980115794	3 TWIST BACKING PAD	61	05-B 101	662980342398	1-1/16x1 ICECUT	72

Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
05-B 102	662980793237	1-1/8x1 ICECUT	72	05-C 202	662980421406	2-1/8x1-1/2 CARBIDE CORE CUT	73
05-B 103	662980731413	1-3/16x1 ICECUT	72	05-C 308	662980912133	1/2x2 CARBIDE CORE CUT	73
05-B 104	662980445273	1-1/4x1 ICECUT	72	05-C 309	662980930595	9/16x2 CARBIDE CORE CUT	73
05-B 105	662980975268	1-5/16x1 ICECUT	72	05-C 310	662980864807	5/8x2 CARBIDE CORE CUT	73
05-B 106	662980323731	1-3/8x1 ICECUT	72	05-C 311	662980929254	11/16x2 CARBIDE CORE CUT	73
05-B 107	662980430965	1-7/16x1 ICECUT	72	05-C 312	662980375334	3/4x2 CARBIDE CORE CUT	73
05-B 108	662980408940	1-1/2x1 ICECUT	72	05-C 313	662980875032	13/16x2 CARBIDE CORE CUT	73
05-B 109	662980805985	1-9/16x1 ICECUT	72	05-C 314	662980418833	7/8x2 CARBIDE CORE CUT	73
05-B 110	662980943113	1-5/8x1 ICECUT	72	05-C 315	662980556375	15/16x2 CARBIDE CORE CUT	73
05-B 112	662980997130	1-3/4x1 ICECUT	72	05-C 400	662980791530	1x2 CARBIDE CORE CUT	73
05-B 113	662980367940	1-13/16x1 ICECUT	72	05-C 401	662980326473	1-1/16x2 CARBIDE CORE CUT	73
05-B 114	662980773284	1-7/8x1 ICECUT	72	05-C 402	662980764435	1-1/8x2 CARBIDE CORE CUT	73
05-B 115	662980569313	1-15/16x1 ICECUT	72	05-C 403	662980825334	1-3/16x2 CARBIDE CORE CUT	73
05-B 200	662980891285	2x1 ICECUT	72	05-C 404	662980409527	1-1/4x2 CARBIDE CORE CUT	73
05-B 201	662980810309	2-1/16x1 ICECUT	72	05-C 405	662980497562	1-5/16x2 CARBIDE CORE CUT	73
05-B 202	662980708804	2-1/8x1 ICECUT	72	05-C 406	662980371787	1-3/8x2 CARBIDE CORE CUT	73
05-B 308	662980799758	1/2x2 ICECUT	72	05-C 407	662980633618	1-7/16x2 CARBIDE CORE CUT	73
05-B 309	662980360163	9/16x2 ICECUT	72	05-C 408	662980953198	1-1/2x2 CARBIDE CORE CUT	73
05-B 310	662980981085	5/8x2 ICECUT	72	05-C 409	662980601471	1-9/16x2 CARBIDE CORE CUT	73
05-B 311	662980963890	11/16x2 ICECUT	72	05-C 410	662980813034	1-5/8x2 CARBIDE CORE CUT	73
05-B 312	662980733318	3/4x2 ICECUT	72	05-C 412	662980962565	1-3/4x2 CARBIDE CORE CUT	73
05-B 313	662980714225	13/16x2 ICECUT	72	05-C 413	662980333150	1-13/16x2 CARBIDE CORE CUT	73
05-B 314	662980441466	7/8x2 ICECUT	72	05-C 414	662980461655	1-7/8x2 CARBIDE CORE CUT	73
05-B 315	662980596029	15/16x2 ICECUT	72	05-C 415	662980378243	1-15/16x2 CARBIDE CORE CUT	73
05-B 400	662980436837	1x2 ICECUT	72	05-C 500	662980568774	2x2 CARBIDE CORE CUT	73
05-B 401	662980644829	1-1/16x2 ICECUT	72	05-C 501	662980404959	2-1/16x2 CARBIDE CORE CUT	73
05-B 402	662980861271	1-1/8x2 ICECUT	72	05-C 502	662980317051	2-1/8x2 CARBIDE CORE CUT	73
05-B 403	662980675533	1-3/16x2 ICECUT	72	05-C 503	662980449127	2-3/16x2 CARBIDE CORE CUT	73
05-B 404	662980364482	1-1/4x2 ICECUT	72	05-C 504	662980858417	2-1/4x2 CARBIDE CORE CUT	73
05-B 405	662980454084	1-5/16x2 ICECUT	72	05-C 505	662980840191	2-5/16x2 CARBIDE CORE CUT	73
05-B 406	662980929063	1-3/8x2 ICECUT	72	05-C 506	662980512708	2-3/8x2 CARBIDE CORE CUT	73
05-B 407	662980403358	1-7/16x2 ICECUT	72	05-Z 001	662980741542	PILOT PIN 1"	74
05-B 408	662980727836	1-1/2x2 ICECUT	72	05-Z 002	662980408155	PILOT PIN 2"	74
05-B 409	662980584590	1-9/16x2 ICECUT	72	05-Z 003	662980600610	PILOT PIN	74
05-B 410	662980894354	1-5/8x2 ICECUT	72	05-Z 004	662980566626	PILOT PIN	74
05-B 412	662980569993	1-3/4x2 ICECUT	72	05-Z 005	662980736494	PILOT PIN	74
05-B 413	662980634455	1-13/16x2 ICECUT	72	05-Z 006	662980527283	PILOT PIN	74
05-B 414	662980412749	1-7/8x2 ICECUT	72	05-Z 007	662980527283	PILOT PIN	74
05-B 415	662980771105	1-15/16x2 ICECUT	72	05-Z 008	662980611616	PILOT PIN	74
05-B 500	662980925669	2x2 ICECUT	72	05-Z 009	662980379141	PILOT PIN	74
05-B 501	662980930984	2-1/16x2 ICECUT	72	05-Z 010	662980893784	MORSE TAPER SHANK ADAPTORS	74
05-B 502	662980367025	2-1/8x2 ICECUT	72	05-Z 011	662980339787	MORSE TAPER SHANK ADAPTORS	74
05-B 503	662980633090	2-3/16x2 ICECUT	72	05-Z 012	662980447963	MORSE TAPER SHANK ADAPTORS	74
05-B 504	662980645284	2-1/4x2 ICECUT	72	05-Z 013	662980452608	MORSE TAPER SHANK ADAPTORS	74
05-B 505	662980513354	2-5/16x2 ICECUT	72	05-Z 014	662980696194	FEIN AND NITTO ADAPTORS	74
05-B 506	662980412435	2-3/8x2 ICECUT	72	05-Z 015	662980797013	FEIN AND NITTO ADAPTORS	74
05-C 008	662980761762	1/2x1-1/2 CARBIDE CORE CUT	73	05-Z 016	662980468517	PILOT PIN	74
05-C 009	662980503577	9/16x1-1/2 CARBIDE CORE CUT	73	05-Z 018	662980325155	PILOT PIN	74
05-C 010	662980987902	5/8x1-1/2 CARBIDE CORE CUT	73	06-A 452	662980469996	4 1/2x5/8 ENDURO-FLEX TURBO	31
05-C 011	662980860410	11/16x1-1/2 CARBIDE CORE CUT	73	06-A 502	662980725405	5x5/8-11 ENDURO-FLEX TURBO	31
05-C 012	662980650554	3/4x1-1/2 CARBIDE CORE CUT	73	06-B 454	662980113875	4 1/2 ENDURO-FLEX GR40	32
05-C 013	662980895962	13/16x1-1/2 CARBIDE CORE CUT	73	06-B 456	662980119112	4 1/2 ENDURO-FLEX GR60	32
05-C 014	662980538869	7/8x1-1/2 CARBIDE CORE CUT	73	06-B 458	662980124352	4 1/2 ENDURO-FLEX GR80	32
05-C 015	662980977217	15/16x1-1/2 CARBIDE CORE CUT	73	06-B 462	662980129586	4 1/2 ENDURO-FLEX GR120	32
05-C 100	662980438459	1x1-1/2 CARBIDE CORE CUT	73	06-B 504	662980134826	5 ENDURO-FLEX GR40	32
05-C 101	662980477861	1-1/16x1-1/2 CARBIDE CORE CUT	73	06-B 506	662980140055	5 ENDURO-FLEX GR60	32
05-C 102	662980827826	1-1/8x1-1/2 CARBIDE CORE CUT	73	06-B 508	662980145296	5 ENDURO-FLEX GR80	32
05-C 103	662980310144	1-3/16x1-1/2 CARBIDE CORE CUT	73	06-B 512	662980150528	5 ENDURO-FLEX GR120	32
05-C 104	662980584958	1-1/4x1-1/2 CARBIDE CORE CUT	73	06-B 604	662980156769	6 ENDURO-FLEX GR40	32
05-C 105	662980869628	1-5/16x1-1/2 CARBIDE CORE CUT	73	06-B 606	662980160992	6 ENDURO-FLEX GR60	32
05-C 106	662980518076	1-3/8x1-1/2 CARBIDE CORE CUT	73	06-B 608	662980166239	6 ENDURO-FLEX GR80	32
05-C 107	662980306192	1-7/16x1-1/2 CARBIDE CORE CUT	73	06-B 612	662980171462	6 ENDURO-FLEX GR120	32
05-C 108	662980484432	1-1/2x1-1/2 CARBIDE CORE CUT	73	06-F 454	662980176696	4 1/2 ENDURO-FLEX GR40	34
05-C 109	662980854853	1-9/16x1-1/2 CARBIDE CORE CUT	73	06-F 456	662980181928	4 1/2 ENDURO-FLEX GR60	33
05-C 110	662980748602	1-5/8x1-1/2 CARBIDE CORE CUT	73	06-F 458	662980187159	4 1/2 ENDURO-FLEX GR80	33
05-C 112	662980921395	1-3/4x1-1/2 CARBIDE CORE CUT	73	06-F 462	662980192382	4 1/2 ENDURO-FLEX GR120	33
05-C 113	662980755013	1-13-16x1-1/2 CARBIDE CORE CUT	73	06-F 504	662980197615	5 ENDURO-FLEX GR40	33
05-C 114	662980712467	1-7/8x1-1/2 CARBIDE CORE CUT	73	06-F 506	662980202845	5 ENDURO-FLEX GR60	33
05-C 115	662980873045	1-15/16x1-1/2 CARBIDE CORE CUT	73	06-F 508	662980208076	5 ENDURO-FLEX GR80	33
05-C 200	662980512753	2x1-1/2 CARBIDE CORE CUT	73	06-F 512	662980213308	5 ENDURO-FLEX GR120	33
05-C 201	662980658109	2-1/16x1-1/2 CARBIDE CORE CUT	73	06-F 604	662980218532	6 ENDURO-FLEX GR40	33

Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
06-F 606	662980223772	6 ENDURO-FLEX GR60	33	07-P 757	662980886571	4 1/2 POLI QUICK DISC F8	56
06-F 608	662980229002	6 ENDURO-FLEX GR80	33	07-Q 001	662980114292	SPACER WASHER - 5/8"-11 SPINDLE	69
06-F 612	662980234242	6 ENDURO-FLEX GR120	33	07-Q 042	662980014127	4 BACKING PAD QUICK-STEP	54
07-A 001	662980009208	BLENDEx PAD HOLDER	43	07-Q 044	662980111994	4 BACKING PAD QUICK-STEP	54
07-A 100	662980171547	BLENDEx PAD	43	07-Q 045	662980002629	4 1/2 INTERFACE PAD	54
07-A 200	662980066935	BLENDEx PAD	43	07-Q 047	662980170694	4 1/2 BACKING PAD QUICK-STEP	54
07-A 300	662980244166	BLENDEx PAD	43	07-Q 049	662980261569	4 1/2 BACKING PAD QUICK-STEP	54
07-A 400	662980087576	BLENDEx PAD	43	07-Q 054	662980234297	5 BACKING PAD QS	54
07-A 500	662980860564	BLENDEx PAD	43	07-Q 060	662980282151	6 INTERFACE PAD	54
07-B 104	662980085868	BLENDEx ROLL	43	07-Q 062	662980241462	6 BACKING PAD QUICK-STEP	54
07-B 204	662980210932	BLENDEx ROLL	43	07-Q 064	662980054932	6 BACKING PAD QUICK-STEP	54
07-B 304	662980273135	BLENDEx ROLL	43	07-Q 070	662980271698	7 INTERFACE PAD	54
07-B 404	662980325209	BLENDEx ROLL	43	07-Q 074	662980059814	7 BACKING PAD QUICK-STEP	54
07-B 504	662980326794	BLENDEx ROLL	43	07-Q 149	662980643532	QS MG BACKING PAD	54
07-C 003	662980186763	8 MM MANDREL	68	07-Q 454	662980045442	4 1/2 QUICK-STEP GR40	55
07-C 005	662980208229	M14 EXTENSION MANDREL	68	07-Q 456	662980020982	4 1/2 QUICK-STEP GR60	55
07-C 006	662980009857	5/8-11 EXTENSION MANDREL	68	07-Q 458	662980201091	4 1/2 QUICK-STEP GR80	55
07-F 002	662980017876	BELT DRIVE ROLLER	51	07-Q 462	662980247563	4 1/2 QUICK-STEP GR120	55
07-F 003	662980278338	BELT SP KIT	42	07-Q 604	662980268940	6 QUICK-STEP GR40	55
07-F 012	662980029435	DRUM INFLATOR	50	07-Q 606	662980178911	6 QUICK-STEP GR60	55
07-F 013	662980517543	VALVE CORE	50	07-Q 608	662980093849	6 QUICK-STEP GR80	55
07-F 037	662980050903	PNEUMATIC DRUM	50	07-Q 612	662980277560	6 QUICK-STEP GR120	55
07-F 051	662980071885	PNEUMATIC DRUM	50	07-Q 952	662980133941	M14 QS TRIAL PACK	57
07-F 093	662980024713	REPL. BLADDER ASSEMBLY	50	07-Q 953	662980187135	5/8-11 QS TRIAL PACK	57
07-F 095	662980029961	REPL. BLADDER ASSEMBLY	50	07-R 452	662980208250	4 1/2 BLENDEx COARSE	55
07-F 364	662980249772	3 1/2 DRUM BELT GR40	50	07-R 453	662980088364	4 1/2 BLENDEx MEDIUM	55
07-F 366	662980246559	3 1/2 DRUM BELT GR60	50	07-R 454	662980113196	4 1/2 BLENDEx FINE	55
07-F 368	662980032046	3 1/2 DRUM BELT GR80	50	07-R 455	662980231852	4 1/2 BLENDEx SUPER FINE	55
07-F 371	662980027530	3 1/2 DRUM BELT GR120	50	07-R 502	662980069967	5 BLENDEx COARSE	55
07-F 504	662980105078	5 3/8 CLOTH DRUM BELT	50	07-R 503	662980075197	5 BLENDEx MEDIUM	55
07-F 506	662980272497	5 3/8 DRUM BELT GR60	50	07-R 504	662980080429	5 BLENDEx FINE	55
07-F 508	662980160367	5 3/8 DRUM BELT GR80	50	07-R 602	662980125977	6 BLENDEx COARSE	55
07-F 511	662980097830	5 3/8 DRUM BELT GR120	50	07-R 603	662980088043	6 BLENDEx MEDIUM	55
07-H 242	662980070529	1 3/16 BLENDEx STRIP BELT	51	07-R 604	662980033111	6 BLENDEx FINE	55
07-H 243	662980273432	1 3/16 BLENDEx STRIP BELT	51	07-R 702	662980206225	7 BLENDEx COARSE	55
07-H 244	662980092255	1 3/16 BLENDEx STRIP BELT	51	07-R 703	662980037621	7 BLENDEx MEDIUM	55
07-H 245	662980075760	1 3/16 BLENDEx STRIP BELT	51	07-R 704	662980251591	7 BLENDEx FINE	55
07-H 362	662980204733	3 1/2 BLENDEx BELT	50	07-T 225	662980015148	1 3/16 POLISH FELT BELT	51
07-H 363	662980089255	3 1/2 BLENDEx BELT	50	07-T 425	662980127759	4 3/4 BUFFING DRUM	49
07-H 364	662980010402	3 1/2 BLENDEx BELT	50	07-T 450	662980288498	4 1/2 QUICK-STEP POL DISC	56
07-H 365	662980011003	3 1/2 BLENDEx BELT	50	07-T 454	662980037225	BLENDEx POLISH DISC	56
07-H 502	662980109021	5 3/8 BLENDEx BELT	50	07-T 530	662980021460	5 3/8 POL DRUM BELT	51
07-H 503	662980071809	5 3/8 BLENDEx BELT	50	07-T 600	662980272725	6 QUICK-STEP FELT DISC	56
07-H 504	662980032572	5 3/8 BLENDEx BELT	50	07-T 604	662980042458	6 QUICK-STEP POLISH DISC	56
07-H 505	662980016237	5 3/8 BLENDEx BELT	50	07-T 700	662980136089	7 QUICK-STEP POLISH DISC	56
07-H 992	662980619964	HAND RAIL KIT	51	07-T 704	662980047682	7 QUICK-STEP POLISH DISC	56
07-J 424	662980179468	4 1/4x2 COOLCUT DRUM	48	07-T 901	662980018668	WHITE POLISHING PASTE	56
07-J 426	662980184691	4 1/4x2 COOLCUT DRUM	48	07-T 905	662980019177	BLUE POLISHING PASTE	56
07-J 428	662980189924	4 1/4x2 COOLCUT DRUM	48	07-U 101	662980716816	3/8x1 1/4x1/4 BLENDEx U POINT 2SF	59
07-J 432	662980195154	4 1/4x2 COOLCUT DRUM	48	07-U 102	662980188316	3/8x1 1/4x1/4 BLENDExU POINT 6SF	59
07-J 444	662980200384	4 1/4x4 COOLCUT DRUM	48	07-U 103	662980337028	3/8x1 1/4x1/4 BLENDExU POINT 6AM	59
07-J 446	662980205617	4 1/4x4 COOLCUT DRUM	48	07-U 321	662980748466	3x1/4x3/8 BLENDEx U, 2SF	59
07-J 448	662980210840	4 1/4x4 COOLCUT DRUM	48	07-U 322	662980744352	3x1/4x3/8 BLENDEx U, 6SF	59
07-J 452	662980216071	4 1/4x4 COOLCUT DRUM	48	07-U 323	662980760802	3x1/4x3/8 BLENDEx U, 6AM	59
07-K 422	662980127537	4 1/2x2 TWO-IN-ONE DRUM	48	07-U 451	662980739976	4 1/2x5/8-11 BLENDEx U CUP	59
07-K 442	662980093436	4 1/2x4 TWO-IN-ONE DRUM	48	07-U 501	662980318119	5x5/8-11 BLENDEx U CUP	59
07-L 420	662980225783	4 1/2x2 FX DRUM	48	07-U 611	662980575536	6x1x1 BLENDEx U, 2SF	59
07-L 440	662980078181	4 1/2x4 FX DRUM	48	07-U 612	662980302538	6x1x1 - BLENDEx U, 6SF	59
07-M 411	662980662533	4 1/2x2 BLENDEx DRUM	49	07-U 613	662980588932	6x1x1 - BLENDEx U, 6AM	59
07-M 422	662980245491	4 1/2x2 BLENDEx DRUM	49	07-U 621	662980818800	6x1/4x1 BLENDEx U, 2SF	59
07-M 423	662980180594	4 1/2x2 BLENDEx DRUM	49	07-U 622	662980587140	6x1/4x1 BLENDEx U, 6SF	59
07-M 424	662980104729	4 1/2x2 BLENDEx DRUM	49	07-U 623	662980507858	6x1/4x1 BLENDEx U, 6AM	59
07-M 425	662980232910	4 1/2x2 BLENDEx DRUM	49	07-U 651	662980421901	6x1/2x1 BLENDEx U, 2SF	59
07-M 442	662980138687	4 1/2x4 BLENDEx DRUM	49	07-U 652	662980738146	6x1/2x1 - BLENDEx U, 6SF	59
07-M 443	662980030929	4 1/2x4 BLENDEx DRUM	49	07-U 653	662980833476	6x1/2x1 - BLENDEx U, 6AM	59
07-M 444	662980017524	4 1/2x4 BLENDEx DRUM	49	07-X 003	662980122921	8 MM MANDREL	68
07-M 445	662980215883	4 1/2x4 BLENDEx DRUM	49	07-X 004	662980091265	1/4 MANDREL	68
07-M 446	662980646885	4 1/2x4 BLENDEx DRUM	49	07-X 005	662980033418	8 MM MANDREL	68
07-P 045	662980788516	4 1/2 PQ INTERFACE PAD	56	07-X 006	662980012611	1/4 MANDREL	68
07-P 452	662980096556	4 1/2 POLI QUICK DISC F4	56	07-X 120	662980965184	2 FX MOUNTED WHEEL	44
07-P 454	662980982907	4 1/2 POLI QUICK DISC F6	56	07-X 450	662980239476	4 1/2 FX CUP DISC	44

Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
07-X 505	662980602713	5 FX CUP DIS	44	08-F 450	662980095430	4 1/2x1/4 A30SS GR WH	25
07-X 640	662980966891	4 CLEANING WHEELS	44	08-F 451	662980787878	4 1/2x1/4 A30SS GR WH	25
07-X 660	662980966877	6 CLEANING WHEELS	44	08-F 452	662980263686	4 1/2x1/8 A30SS GR WH	25
07-X 845	662980139011	4 1/2 FX DISC	57	08-F 455	662980083147	4 1/2x1/4x5/8-11 A30SS	25
07-X 860	662980253595	6 FX DISC	57	08-F 457	662980124932	4 1/2x1/8x5/8-11 A30COMBO	25
07-Z 005	662980166437	SPACER WASHER -M14	54	08-F 460	662980310984	4 1/2x1/4 A30SS GR WH	25
08-B 004	662980131381	MOUNTING FLANGE	69	08-F 462	662980828403	4 1/2x1/8 A30SS GR WH	25
08-B 005	662980028093	7/16-20 EXTENSION	69	08-F 500	662980173718	5x1/4 A30SS GR WH	25
08-B 006	662980166956	3/8-24 EXTENSION	69	08-F 501	662980769645	5x1/4 A30SS GR WH	25
08-B 007	662980166956	CLAMPING NUT	69	08-F 502	662980076545	5x1/8 A30SS GR WH	25
08-B 008	662980158951	1/2-13 EXTENSION	69	08-F 510	662980848562	5x1/4 A30SS GR WH	25
08-B 009	662980166093	EXTENSION	69	08-F 512	662980642108	5x1/8 A30SS GR WH	25
08-B 031	662980202432	REUSABLE ADAPTOR KIT	68	08-F 600	662980031926	6x1/4 A30SS GR WH	25
08-B 310	662980129937	3x1/4 A24HP DEP CTR WHEELS	21	08-F 602	662980003497	6x1/8 A30SS GR WH	25
08-B 312	662980278031	3x1/8 A24HP DEP CTR WHEELS	22	08-F 700	662980180068	7x1/4 A30SS GR WH	25
08-B 400	662980161067	4x1/4 A24HP DEP CTR WHEELS	21	08-F 702	662980248812	7x1/8 A30SS GR WH	25
08-B 402	662980141533	4x1/8 A24HP DEP CTR WHEELS	22	08-F 705	662980161661	7x1/4 5/8-11 A30SS WHEEL	25
08-B 410	662980056752	4x1/4 A24HP DEP CTR WHEELS	21	08-F 707	662980137635	7x1/8 5/8-11 A30SS WHEEL	25
08-B 412	662980116548	4x1/8 A24HP DEP CTR WHEELS	22	08-F 900	662980069899	9x1/4 A30SS GR WHEEL	25
08-B 450	662980102787	4 1/2x1/4 A24HP GR WHEELS	21	08-F 902	662980109885	9x1/8 A30SS GR WHEEL	25
08-B 451	662980599624	4 1/2x1/4 A24HPS GR WHEELS	21	08-F 905	662980112557	9x1/4 5/8-11 A30SS WHEEL	25
08-B 452	662980211748	4 1/2x1/8 A24HP GR WHEELS	22	08-F 907	662980124338	9x1/8 5/8-11 A30SS WHEEL	25
08-B 455	662980170519	4 1/2x1/4x5/8-11 A24HP	21	08-H 450	662980479858	4 1/2 A24AXX GR WHEEL	24
08-B 457	662980027844	4x1/2x1/8x5/8-11 A24HP	22	08-H 455	662980378106	4 1/2x1/4x5/8-11 GR WHEEL	24
08-B 460	662980647264	5x1/4 A24HP GR WHEELS	21	08-H 500	662980690390	5 A24AXX GR WHEEL	24
08-B 462	662980456163	4 1/2x1/8 A30HP GR WHEELS	22	08-H 600	662980795842	6 A24AXX GR WHEEL	24
08-B 500	662980230671	5x1/4 A24HP DEP CTR WHEELS	21	08-H 700	662980971925	7 A24AXX GR WHEEL	24
08-B 501	662980744017	5x1/4 A24HPS GR WHEELS	21	08-H 705	662980900611	7x1/4x5/8-11 GR WHEEL	24
08-B 502	662980150870	5x1/8 A24HP DEP CTR WHEELS	22	08-H 900	662980907238	9 A24AXX GR WHEEL	24
08-B 505	662980224816	5x1/4x5/8-11 HP WHEELS	21	08-H 905	662980386194	9x1/4x5/8-11 GR WHEEL	24
08-B 507	662980029664	5x1/8x5/8-11 HP WHEELS	22	08-K 400	662980088623	4x1/4 A20X DEP CTR WHEEL	23
08-B 510	662980969670	5x1/4 A24HP GR WHEELS	21	08-K 410	662980150115	4x1/4 A20X DEP CTR WHEEL	23
08-B 512	662980683767	5x1/8 A30HP GR WHEELS	22	08-K 450	662980238004	4 1/2x1/4 A20X DEP CTR WHEEL	23
08-B 600	662980215296	6x1/4 A24HP DEP CTR WHEELS	21	08-K 455	662980028636	4 1/2x1/4x5/8-11 XX WHEEL	23
08-B 602	662980247006	6x1/8 A24HP DEP CTR WHEELS	22	08-K 460	662980463406	4 1/2x1/4 A20X DEP CTR WHEEL	23
08-B 701	662980145203	7x1/4 A24HP SAUCER GR WH	21	08-K 500	662980149898	5x1/4 A20X DEP CTR WH	23
08-B 706	662980209882	7x1/4x5/8 HP TYPE28 WHEELS	21	08-K 510	662980407356	5x1/4 A20X DEP CTR WH	23
08-B 710	662980036648	7x1/4 A24HP DEP CTR WHEELS	21	08-K 600	662980217009	6x1/4 A16X GR WH	23
08-B 712	662980012765	7x1/8 A24HP DEP CTR WHEELS	22	08-K 700	662980105382	7x1/4 A16X GR WH	23
08-B 715	662980239780	7x1/4 5/8-11 HP WHEELS	21	08-K 701	662980253571	7x1/4 A16X SAUCER GR WH	23
08-B 717	662980215463	7x1/8 5/8-11 HP WHEELS	22	08-K 705	662980246849	7x1/4x5/8-11 XX GR WHEEL	23
08-B 901	662980141120	9x1/4 A24HP SAUCER GR WH	21	08-K 706	662980215548	7x1/4x5/8 XX TYPE 28 WHEELS	23
08-B 906	662980053331	9x1/4x5/8 HP TYPE 28 WHEELS	21	08-K 900	662980273098	9x1/4 A16X GR WH	23
08-B 910	662980059432	9x1/4 A24HP DEP CTR WHEELS	21	08-K 901	662980170922	9x1/4 A16X SAUCER GR WH	23
08-B 912	662980104934	9x1/8 A24HP DEP CTR WHEELS	22	08-K 905	662980233627	9x1/4x5/8-11 XX GR WHEEL	23
08-B 915	662980242476	9x1/4 5/8-11 HP WHEELS	21	08-K 906	662980196618	9x1/4x5/8 XX TYPE 28 WHEELS	23
08-B 917	662980056066	9x1/8 5/8-11 HP WHEELS	22	08-L 450	662980263846	4 1/2x1/4 ALU GR WH	26
08-C 450	662980246382	4 1/2x1/4 A24AS DEP CTR	24	08-L 452	662980175064	4 1/2x1/8 ALU GR WH	26
08-C 452	662980229941	4 1/2x1/8 A30AS DEP CTR	24	08-L 455	662980128732	4 1/2x1/4x5/8-11 A24 ALU	26
08-C 455	662980017623	4 1/2x1/4x5/8-11 ALLSTEEL	24	08-L 500	662980023013	5x1/4 ALU GR WH	26
08-C 457	662980228241	4 1/2x1/8x5/8-11 ALLSTEEL	24	08-L 502	662980052525	5x1/8 ALU GR WH	26
08-C 500	662980212592	5x1/4 A24AS DEP CTR WHEEL	24	08-L 600	662980217030	6x1/4 ALU GR WH	26
08-C 502	662980139219	5x1/8 A30AS DEP CTR WHEEL	24	08-L 602	662980223284	6x1/8 ALU GR WH	26
08-C 505	662980022856	5x1/4x5/8-11 ALLSTEEL	24	08-L 700	662980117002	7x1/4 ALU GR WH	26
08-C 507	662980028087	5x3/32x5/8-11 ALLSTEEL	24	08-L 702	662980098851	7x1/8 ALU GR WH	26
08-C 600	662980216927	6x1/4 A24AS DEP CTR WHEEL	24	08-L 705	662980238202	7x1/4 5/8-11 A24ALU WHEEL	26
08-C 602	662980241417	6x1/8 A30AS DEP CTR WHEEL	24	08-L 707	662980279984	7x1/8 5/8-11 A24ALU WHEEL	26
08-C 700	662980171516	7x1/4 A24AS DEP CTR WHEEL	24	08-L 900	662980255759	9x1/4 ALU GR WH	26
08-C 702	662980160091	7x1/8 A30AS DEP CTR WHEEL	24	08-L 902	662980094679	9x1/8 ALU GR WH	26
08-C 705	662980004876	7x1/4x5/8-11 ALLSTEEL	24	08-L 905	662980122440	9x1/4 5/8-11 A24ALU WHEEL	26
08-C 707	662980161586	7x1/8x5/8-11 ALLSTEEL	24	08-L 907	662980066775	9x1/8 5/8-11 A24ALU WHEEL	26
08-C 900	662980028124	9x1/4 A24AS DEP CTR WHEEL	24	08-N 452	662980850916	4 1/2x1/8 A36 PIPEFITTER	27
08-C 902	662980185001	9x1/8 A30AS DEP CTR WHEEL	24	08-N 453	662980226100	4 1/2x3/32 A36 PIPEFITTER	27
08-C 905	662980029916	9x1/4x5/8-11 ALLSTEEL WHEEL	24	08-N 454	662980627518	4 1/2x5/32 A36 PIPEFITTER	27
08-C 907	662980035146	9x1/8x5/8-11 ALLSTEEL	24	08-N 502	662980352519	5x1/8 A36 PIPEFITTER	27
08-E 450	662980209547	4 1/2x1/4 C24 GR WHEELS	27	08-N 503	662980255414	5x3/32 A36 PIPEFITTER	27
08-E 500	662980003800	5x1/4 C24 GR WHEELS	27	08-N 504	662980991763	5x5/32 A36 PIPEFITTER	27
08-E 700	662980162552	7x1/4 C24 GR WHEELS	27	08-N 602	662980183076	6x1/8 PIPEFITTER	27
08-E 705	662980234969	7x1/4 5/8-11 C24 GR WHEEL	27	08-N 603	662980672631	6x3/32 PIPEFITTER	27
08-E 905	662980204948	9x1/4 5/8-11 C24 WHEELS	27	08-N 604	662980288443	6x5/32 A 20 PIPEFITTER	27
08-E 900	662980258958	9X1/4 C-24 GR WHEELS	27	08-N 702	662980188309	7x1/8 PIPEFITTER	27

Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
08-N 703	662980074794	7×3/32 A 36 PIPEFITTER	27	11-L 211	662980156193	2×1/16 ZIP CUT-OFF WHEELS	13
08-N 704	662980044339	7×5/32 A 20 PIPEFITTER	27	11-L 213	662980163092	2×3/8 ZIP CUT-OFF WHEELS	13
08-N 708	662980111086	7×3/32×5/8 A36 PIPEFITTER	27	11-L 221	662980080849	2×1/8 ZIP CUT-OFF WHEELS	13
08-N 709	662980265758	7×3/32×5/8 A36 PIPEFITTER	27	11-L 223	662980275603	2×3/8 ZIP CUT-OFF WHEELS	13
08-N 904	662980177853	9×5/32 A 20 PIPEFITTER	27	11-L 231	662980122853	2×1/4 ZIP GR WHEELS	13
08-N 909	662980066461	9×5/32×5/8 A20 PIPEFITTER	27	11-L 233	662980252666	2×3/8 ZIP CUT-OFF WHEELS	13
10-A 123	662980036389	12×1 A24R CUT OFF WHEELS	19	11-L 251	662980104545	2×1/2 ZIP GR WHEELS	13
10-A 143	662980229514	14×1 A24R CUT OFF WHEELS	19	11-L 253	662980017234	2×3/8 ZIP CUT-OFF WHEELS	13
10-A 163	662980035610	16×1 A24R CUT OFF WHEELS	19	11-L 302	662980154601	3×1/32×1/4 ZIP C/O WHEELS	13
10-A 183	662980235423	18×1 A24R CUT OFF WHEELS	19	11-L 303	662980015513	3×1/32×3/8 ZIP C/O WHEELS	13
10-A 203	662980040720	20×1 A24R CUT OFF WHEELS	19	11-L 308	662980318058	3×1/32 ZIP C/O WHEEL	13
10-A 206	662980008140	20×40 MM A24R CUT OFF WH	19	11-L 312	662980111963	3×1/16×1/4 ZIP C/O WHEELS	13
10-A 246	662980109953	24×40 MM A24R CUT OFF WH	19	11-L 313	662980138915	3×1/16×3/8 ZIP C/O WHEELS	13
10-A 984	662980062081	7/8 TO 5/8 REDUCER BUSHING	15	11-L 322	662980147740	3×1/8×1/4 ZIP C/O WHEELS	13
10-A 985	662980279991	1 TO 1/2 REDUCER BUSHING	19	11-L 323	662980285244	3×1/8×3/8 ZIP C/O WHEELS	13
10-A 986	662980217726	1 TO 5/8 REDUCER BUSHING	19	11-L 333	662980028414	3×1/4×3/8 ZIP GR WHEELS	13
10-A 987	662980269145	1 TO 3/4 REDUCER BUSHING	19	11-L 353	662980273791	3×1/2×3/8 ZIP GR WHEELS	13
10-A 988	662980087954	1 TO 7/8 REDUCER BUSHING	16	11-L 403	662980010273	4×1/32×3/8 ZIP C/O WHEELS	13
10-A 989	662980274750	1 TO 20 MM REDUCER BUSHING	16	11-L 405	662980208724	4×1/32×5/8 ZIP C/O WHEELS	13
10-A 990	662980028520	40 MM TO 1 REDUCER BUSHING	19	11-L 408	662980560907	4 × 1/32 ZIP C/O WHEEL	13
10-A 991	662980095447	40 MM TO 1 1/4 RED BUSHING	19	11-L 413	662980218709	4×1/16×3/8 ZIP C/O WHEELS	13
10-A 992	662980020241	40 MM TO 1 1/2 RED BUSHING	19	11-L 415	662980182659	4×1/16×5/8 ZIP C/O WHEELS	13
10-B 123	662980008898	12×1 A24FC CUT-OFF WHEELS	19	11-L 423	662980006139	4×1/8×3/8 ZIP C/O WHEELS	13
10-B 143	6629800097915	14×1 A24FC CUT-OFF WHEELS	19	11-L 433	662980004234	4×1/4×3/8 ZIP GR WHEELS	13
10-B 163	662980047040	16×1 A24FC CUT-OFF WHEELS	19	11-L 453	662980153444	4×1/2×3/8 ZIP GR WHEELS	13
10-B 183	662980147542	18×1 A24FC CUT-OFF WHEELS	19	11-R 042	662980243534	4 1/2×3/32 A30 TOUGH CUT C/O	15
10-B 203	662980157282	20×1 A24FC CUT-OFF WHEELS	19	11-R 052	662980068540	5×3/32 A30 TOUGH CUT C/O	15
10-B 246	662980150702	24×40 MM A24FC C/O WHEELS	19	11-R 062	662980236475	6×3/32 A30 TOUGH CUT C/O	15
10-C 123	662980059692	12×1 A36SS CUT-OFF WHEELS	19	11-R 072	662980153802	7×3/32 A30 TOUGH CUT C/O	15
10-C 143	662980063385	14×1 A36SS CUT-OFF WHEELS	19	11-R 092	662980070901	9×3/32 A30 TOUGH CUT C/O	15
10-C 163	662980074800	16×1 A36SS CUT-OFF WHEELS	19	11-S 070	662980202081	7×3/32 C30 CUT-OFF WHEELS	15
10-C 203	662980032718	20×1 A36SS CUT-OFF WHEELS	19	11-S 080	662980000014	8×3/32 C30 CUT-OFF WHEELS	15
10-C 206	662980119525	20×40 MM A36SS C/O WHEELS	19	11-T 042	662980092910	4 1/2×3/64 A60 ZIP C/O WH	11
10-L 123	662980213247	12×3/32×1 CHOP CUT ALU WH	18	11-T 052	662980286005	5×3/64 A60 ZIP C/O WH	11
10-L 143	662980031599	14×3/32×1 CHOP CUT ALU WH	18	11-T 062	662980077368	6×3/64 A60 ZIP C/O WH	11
10-P 123	662980022160	12×3/32×1 CHOP CUT II WH	18	11-T 070	662980135679	7×1/16×5/8 ZIP C/O WH	11
10-P 143	662980167380	14×3/32×1 CHOP CUT II WH	18	11-T 072	662980114964	7×1/16×7/8 ZIP C/O WH	11
10-P 163	662980037164	16×7/64×1 CHOP CUT II WH	18	11-T 080	662980236598	8×1/16×5/8 ZIP C/O WH	11
10-Q 123	662980079461	12×3/32 A30-HC CHOP CUT	18	11-T 092	662980125359	9×1/16×7/8 ZIP C/O WH	11
10-Q 143	662980270615	14×3/32 A30-HC CHOP CUT	18	11-T 142	662980620663	4 1/2×3/64 ZIP C/O WH	11
10-Q 163	662980059777	16×7/64 A30-HC CHOP CUT	18	11-T 152	662980545867	5×3/64 ZIP C/O WH	11
11-A 121	662980197639	12×20 MM A24 CUT-OFF WH	16	11-T 162	662980946145	6×3/64 ZIP C/O WH	11
11-A 122	662980003688	12×7/8 A24 CUT-OFF WHEELS	16	11-T 172	662980837368	7×1/16 ZIP C/O WH	11
11-A 123	662980150092	12×1 A24 CUT-OFF WHEELS	16	11-T 192	662980918166	9×5/64 ZIP C/O WH	11
11-A 141	662980087749	14×20 MM A24 CUT-OFF WH	16	11-T 242	662980128640	4 1/2 ZIP+ CUT-OFF WHEEL	11
11-A 142	662980026823	14×7/8 A24 CUT-OFF WH	16	11-T 252	662980016015	5 ZIP + CUT-OFF WHEEL	11
11-A 143	662980189894	14×1 A24 CUT-OFF WHEELS	16	11-T 342	662980978320	4 1/2×3/64 ZIP	12
11-D 121	662980020449	12×20 MM C24 CUT-OFF WHEELS	16	11-T 352	662980598467	5×3/64 ZIP	12
11-D 122	662980037546	12×7/8 C24 CUT-OFF WHEELS	16	11-T 362	662980337134	6×3/64 ZIP	12
11-D 123	662980246610	12×1 C24 CUT-OFF WHEELS	16	11-T 453	662980867143	4 1/2 ZIP+ CUT-OFF WHEEL	11
11-D 141	662980216842	14×20 MM C24 CUT-OFF WHEELS	16	11-T 503	662980595183	5 ZIP+ CUT-OFF WHEEL	11
11-D 142	662980064313	14×7/8 C24 CUT-OFF WHEELS	16	11-T 842	662980458280	4 1/2×5/64 ZIP COMBO	12
11-D 143	662980053638	14×1 C24 CUT-OFF WHEELS	16	11-T 852	662980570753	5×5/64 ZIP COMBO	12
11-F 042	662980350386	4 1/2×3/64 ZIP C/O WHEEL	14	11-T 862	662980321973	6×5/64 ZIP COMBO	12
11-F 052	662980310540	5×3/64 ZIP C/O WHEEL	14	11-U 042	662980005026	4 1/2 × 3/64 ZIP ALU C/O WHEEL	14
11-F 062	662980874103	6×3/64 ZIP C/O WHEEL	14	11-U 052	662980010259	5×3/64 ZIP ALU C/O WHEEL	14
11-F 072	662980320891	7×1/16 ZIP C/O WHEEL	14	11-U 062	662980759813	6×3/64 ZIP ALU C/O WHEEL	14
11-F 092	662980301128	9×5/64 ZIP C/O WHEEL	14	11-U 072	662980806685	7×1/16 ZIP ALU C/O WHEEL	14
11-F 142	662980617380	4 1/2×3/64 ZIP C/O WHEEL	14	11-U 142	662980414408	4 1/2×3/64 ZIP C/O WHEEL	14
11-F 152	662980423141	5×3/64 ZIP C/O WHEEL	14	11-U 152	662980338742	5×3/64 ZIP C/O WHEEL	14
11-F 162	662980546123	6×3/64 ZIP C/O WHEEL	14	11-U 162	662980559949	6×3/64 ZIP C/O WHEEL	14
11-F 172	662980387665	7×1/16 ZIP C/O WHEEL	14	11-U 172	662980471593	7×1/16 ZIP C/O WHEEL	14
11-F 192	662980982211	9×5/64 ZIP C/O WHEEL	14	11-U 303	662980015483	3×1/32 ZIP C/O WHEEL	14
11-L 001	662980087688	1/4 ARBOR	13	11-U 403	662980020715	4×1/32 ZIP C/O WHEEL	14
11-L 002	662980281628	1/4 ARBOR	13	11-V 143	662980151907	14 RAILCUT	17
11-L 003	662980151495	1/4 ARBOR	13	11-V 163	662980040386	16 RAILCUT	17
11-L 004	662980260418	1/4 ARBOR	13	12-A 004	662980005231	4 IN CUP WHEEL - STEEL	26
11-L 005	662980057100	5/16 ARBOR	13	12-A 005	662980135747	5 IN CUP WHEEL - STEEL	26
11-L 006	662980091319	1/4 ARBOR	13	12-A 006	662980141632	6 IN CUP WHEEL - STEEL	26
11-L 007	662980172179	3/8 ARBOR	13	12-D 001	662980230343	A1 PINK MOUNTED POINT	28
11-L 008	662980062470	3/8 ARBOR	13	12-D 002	662980153338	A1 ORANGE MOUNTED POINT	28

Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
12-D 011	662980143209	A3 PINK MOUNTED POINT	28	12-E 547	662980188095	8×1 60F GR WHEELS	29
12-D 012	662980131909	A3 ORANGE MOUNTED POINT	28	12-E 549	662980210949	8×1 80F GR WHEELS	29
12-D 013	662980211076	A3 BROWN MOUNTED POINT	28	12-E 553	662980057872	8×1 1/4 24C GR WHEELS	29
12-D 021	662980252802	A5 PINK MOUNTED POINT	28	12-E 557	662980220450	8×1 1/4 60F GR WHEELS	29
12-D 022	662980171486	A5 ORANGE MOUNTED POINT	28	12-E 559	662980258125	8×1 1/4 80F GR WHEELS	29
12-D 023	662980026717	A5 BROWN MOUNTED POINT	28	12-E 643	662980255032	10×1 24C GR WHEELS	29
12-D 031	662980217139	A11 PINK MOUNTED POINT	28	12-E 647	662980058091	10×1 60F GR WHEELS	29
12-D 032	662980225585	A11 ORANGE MOUNTED POINT	28	12-E 649	662980110003	10×1 80F GR WHEELS	29
12-D 033	662980093061	A11 BROWN MOUNTED POINT	28	12-E 653	662980143223	10×1 1/4 24C GR WHEELS	29
12-D 036	662980073414	A12 PINK MOUNTED POINT	28	12-E 657	662980079287	10×1 1/4 60F GR WHEELS	29
12-D 037	662980289808	A12 ORANGE MOUNTED POINT	28	13-B 015	662980257128	REPLAC. BUSHINGS	66
12-D 038	662980269350	A12 BROWN MOUNTED POINT	28	13-B 040	662980026854	4 BENCH GRINDER BRUSH	66
12-D 046	662980066058	A14 PINK MOUNTED POINT	28	13-B 060	662980100769	6 BENCH GRINDER BRUSH	66
12-D 047	662980083963	A14 ORANGE MOUNTED POINT	28	13-B 061	662980142189	6 BENCH GRINDER BRUSH	66
12-D 056	662980062982	A21 PINK MOUNTED POINT	28	13-B 070	662980056059	7 BENCH GRINDER BRUSH	66
12-D 057	662980128435	A21 ORANGE MOUNTED POINT	28	13-B 080	662980170885	8 BENCH GRINDER BRUSH	66
12-D 058	662980098080	A21 BROWN MOUNTED POINT	28	13-B 100	662980084427	10 BENCH GRINDER BRUSH	66
12-D 076	662980043066	A25 PINK MOUNTED POINT	28	13-B 160	662980203996	6 BENCH GRINDER BRUSH STST	66
12-D 077	662980029817	A25 ORANGE MOUNTED POINT	28	13-B 180	662980192146	8 BENCH GRINDER BRUSH STST	66
12-D 078	662980266731	A25 BROWN MOUNTED POINT	28	13-C 003	662980269572	1/2 MTD BRUSH	67
12-D 091	662980086384	A32 PINK MOUNTED POINT	28	13-C 005	662980241615	1/2 MTD BRUSH	67
12-D 092	662980197158	A32 ORANGE MOUNTED POINT	28	13-C 008	662980031902	3/4 MTD BRUSH	67
12-D 116	662980125328	A37 PINK MOUNTED POINT	28	13-C 015	662980210437	1 1/2 MTD BRUSH	67
12-D 117	662980088470	A37 ORANGE MOUNTED POINT	28	13-C 018	662980143933	2 3/8 MTD BRUSH	67
12-D 591	662980167052	W179 PINK MOUNTED POINT	28	13-C 020	662980287316	1 1/8 MTD BRUSH	67
12-D 592	662980238288	W179 ORANGE MOUNTED POINT	28	13-C 053	662980071281	1/2 MTD BRUSH STST	67
12-D 593	662980241912	W179 BROWN MOUNTED POINT	28	13-C 055	662980172049	1/2 MTD BRUSH STST	67
12-D 676	662980004609	W196 PINK MOUNTED POINT	28	13-C 058	662980042717	3/4 MTD BRUSH STST	67
12-D 677	662980146583	W196 ORANGE MOUNTED POINT	28	13-C 065	662980237656	1 1/2 MTD BRUSH STST	67
12-D 678	662980058930	W196 BROWN MOUNTED POINT	28	13-C 068	662980123911	2 3/8 MTD BRUSH STST	67
12-D 721	662980256206	W205 PINK MOUNTED POINT	28	13-C 070	662980182178	1 1/8 MTD BRUSH STST	67
12-D 722	662980008355	W205 ORANGE MOUNTED POINT	28	13-C 110	662980288788	1 3/8×1/2 MTD BRUSH	67
12-D 723	662980073209	W205 BROWN MOUNTED POINT	28	13-C 120	662980263914	2×5/8 MTD BRUSH	67
12-D 781	662980251065	W217 PINK MOUNTED POINT	28	13-C 125	662980105801	3×7/8 MTD BRUSH	67
12-D 782	662980255179	W217 ORANGE MOUNTED POINT	28	13-C 130	662980003916	2 3/4×5/8 MTD BRUSH	67
12-D 783	662980248331	W217 BROWN MOUNTED POINT	28	13-C 160	662980216453	1 3/8×1/2 MTD BRUSH STST	67
12-D 796	662980056073	W220 PINK MOUNTED POINT	28	13-C 170	662980222362	2×5/8 MTD BRUSH STST	67
12-D 797	662980086438	W220 ORANGE MOUNTED POINT	28	13-C 175	662980138397	3×7/8 MTD BRUSH STST	67
12-D 798	662980123133	W220 BROWN MOUNTED POINT	28	13-C 180	662980206034	2 3/4×5/8 MTD BRUSH STST	67
12-D 806	662980268469	W222 PINK MOUNTED POINT	28	13-D 001	662980146088	THREADED ADAPTOR	68
12-D 807	662980034712	W222 ORANGE MOUNTED POINT	28	13-D 002	662980075708	THREADED ADAPTOR	68
12-D 900	662980014974	DRESSING STONE	28	13-D 003	662980101414	THREADED ADAPTOR	68
12-D 901	662980269329	DRESSING STONE	28	13-D 004	662980071373	3/8-16 ADAPTOR	69
12-E 001	662980192368	WHEEL DRESSER STD	68	13-D 005	662980109588	5/16-24 ADAPTOR	69
12-E 002	662980161746	WHEEL DRESSER HD	68	13-D 007	662980221808	3/8-16 THREADED ADAPTOR	68
12-E 004	662980026724	REPLACEMENT WHEELS STD.	68	13-D 300	662980059630	3 WIRE CUP BRUSH	63
12-E 005	662980080306	REPLACEMENT WHEELS HD	68	13-D 302	662980137130	3 WIRE CUP BRUSH	63
12-E 006	662980032039	3/4 BUSHING	29	13-D 304	662980158463	3 WIRE CUP BRUSH	63
12-E 007	662980119457	1 BUSHING	59	13-D 312	662980152232	3 WIRE CUP BRUSH STST	63
12-E 008	662980158227	1 TO 7/8 REDUCER BUSHING	59	13-D 314	662980033135	3 WIRE CUP BRUSH STST	63
12-E 010	662980256497	REDUCER BUSHING	41	13-E 504	662980161166	5 WIRE CUP BRUSH	63
12-E 011	662980911662	BUSHING 1-3/4-5/8-1/2 × 1/2	59	13-E 514	662980043592	5 WIRE CUP BRUSH STST	63
12-E 012	662980656075	BUSHING 1-1/2 × 1/4	59	13-F 300	662980123614	3 WIRE CUP BRUSH	63
12-E 324	662980077184	6×3/4 36C GR WHEELS	29	13-F 301	662980065044	3 WIRE CUP BRUSH	63
12-E 325	662980221471	6×3/4 46M GR WHEELS	29	13-F 302	662980090824	3 WIRE CUP BRUSH	63
12-E 328	662980033258	6×3/4 80F GR WHEELS	29	13-F 303	662980179413	3 WIRE CUP BRUSH	63
12-E 329	662980184042	6×3/4 80F GR WHEELS	29	13-F 304	662980133804	3 WIRE CUP BRUSH	63
12-E 344	662980002551	6×1 36C GR WHEELS	29	13-F 310	662980217665	3 WIRE CUP BRUSH STST	63
12-E 345	662980091777	6×1 46M GR WHEELS	29	13-F 312	662980224595	3 WIRE CUP BRUSH STST	63
12-E 348	662980076965	6×1 80F GR WHEELS	29	13-F 314	662980137345	3 WIRE CUP BRUSH STST	63
12-E 444	662980121306	7×1 36C GR WHEELS	29	13-F 354	662980180563	3 WIRE CUP BRUSH	63
12-E 447	662980109656	7×1 60F GR WHEELS	29	13-G 302	662980073049	3 WIRE CUP BRUSH	63
12-E 449	662980151327	7×1 80F GR WHEELS	29	13-G 303	662980174982	3 WIRE CUP BRUSH	63
12-E 454	662980254066	7×1 1/4 36C GR WHEELS	29	13-G 304	662980045398	3 WIRE CUP BRUSH	63
12-E 457	662980084755	7×1 1/4 60F GR WHEELS	29	13-G 312	662980036419	3 WIRE CUP BRUSH STST	63
12-E 459	662980013366	7×1 1/4 80F GR WHEELS	29	13-G 314	662980008157	3 WIRE CUP BRUSH STST	63
12-E 533	662980287941	8×7/8 24C GR WHEELS	29	13-G 404	662980141717	4 WIRE CUP BRUSH	63
12-E 537	662980121559	8×7/8 60F GR WHEELS	29	13-G 504	662980107294	5 WIRE CUP BRUSH	63
12-E 539	662980200803	8×7/8 80F GR WHEELS	29	13-G 514	662980075586	5 WIRE CUP BRUSH STST	63
12-E 543	662980038666	8×1 24C GR WHEELS	29	13-G 554	662980004272	5 WIRE CUP BRUSH	63
12-E 545	662980176719	8×1 46M GR WHEELS	29	13-G 604	662980215012	6 WIRE CUP BRUSH	63

Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
13-H 402	662980117729	4xM14 SAUCER-CUP	64	15-C 454	662980272121	4 1/2 COOLCUT GR40	38
13-H 404	662980061350	4x5/8 SAUCER-CUP	64	15-C 455	662980279335	4 1/2 COOLCUT GR50	38
13-H 412	662980262016	4x5/8 SAUCER-CUP	64	15-C 456	662980062180	4 1/2 COOLCUT GR60	38
13-H 414	662980206003	4x5/8 SAUCER-CUP STST	64	15-C 458	662980254776	4 1/2 COOLCUT GR80	38
13-H 502	662980160046	5 SAUCER CUP BRUSH	64	15-C 460	662980149164	4 1/2 COOLCUT GR100	38
13-H 504	662980208298	5 SAUCER CUP BRUSH	64	15-C 462	662980170861	4 1/2 COOLCUT GR120	38
13-H 512	662980230398	5 SAUCER CUP BRUSH	64	15-C 501	662980111123	5" GR16 COOLCUT SAND DISCS	38
13-H 514	662980103784	5 SAUCER CUP BRUSH	64	15-C 502	662980172865	5 COOLCUT GR24	38
13-H 704	662980102022	7x5/8 SAUCER-CUP	64	15-C 503	662980284568	5 COOLCUT GR36	38
13-H 714	662980064054	7x5/8 SAUCER-CUP STST	67	15-C 504	662980164037	5 COOLCUT GR40	38
13-K 402	662980263587	4x1/4 WIRE WHEEL BRUSH	65	15-C 505	662980289792	5 COOLCUT GR50	38
13-K 404	662980025479	4x3/16 WIRE WHEEL BRUSH	65	15-C 506	662980116326	5 COOLCUT GR60	38
13-K 412	662980034309	4x1/4 WIRE WH BRUSH STST	65	15-C 508	662980150504	5 COOLCUT GR80	38
13-K 414	662980001394	4x3/16 WIRE WH BR STST	65	15-C 510	662980247037	5 COOLCUT GR100	38
13-K 452	662980147474	4x1/2 WIRE WHEEL BRUSH	65	15-C 512	662980238011	5 COOLCUT GR120	38
13-K 454	662980010796	4 1/2 WIRE WHEEL BRUSH	65	15-C 602	662980143988	6" GR24 COOLCUT SAND DISCS	38
13-K 462	662980119785	4 1/2 WIRE WHEEL BRUSH	65	15-C 603	662980280676	6" GR36 COOLCUT SAND DISCS	38
13-K 464	662980081501	4 1/2 WIRE WH BRUSH STST	65	15-C 605	662980122532	6" GR50 COOLCUT SAND DISCS	38
13-K 502	662980260562	5x1/4 WIRE WHEEL BRUSH	65	15-C 608	662980250204	6" GR80 COOLCUT SAND DISCS	38
13-K 504	662980037591	5x1/4 WIRE WHEEL BRUSH	65	15-C 610	662980160954	6" GR100 COOLCUT SAND DISC	38
13-K 512	662980136973	5x1/4 WIRE W BRUSH STST	65	15-C 701	662980185650	7 COOLCUT GR16	38
13-K 514	662980285183	5x1/4 WIRE WH BRUSH STST	65	15-C 702	662980269411	7 COOLCUT GR24	38
13-K 604	662980089781	6x1/4 WIRE WHEEL BRUSH	65	15-C 703	662980130049	7 COOLCUT GR36	38
13-K 614	662980096857	6x1/4 WIRE WH BRUSH STST	65	15-C 705	662980016879	7 COOLCUT GR50	38
13-K 654	662980006603	6 7/8x1/4 WIRE WH BRUSH	65	15-C 706	662980258576	7 COOLCUT GR60	38
13-L 402	662980158876	4x5/8 WIRE WHEEL BRUSH	65	15-C 708	662980020326	7 COOLCUT GR80	38
13-L 404	662980000113	4x5/8 WIRE WH BRUSH	65	15-C 710	662980168509	7 COOLCUT GR100	38
13-L 412	662980281680	4x5/8 WIRE WHEEL BR STST	65	15-C 712	662980185575	7 COOLCUT GR120	38
13-L 414	662980277386	4x5/8 WIRE WH BRUSH STST	65	15-D 010	662980023426	M10 x 1.25 CLAMPING NUT	39
13-L 452	662980279557	4 1/2 WIRE WHEEL BRUSH	65	15-D 011	662980057599	M10 x 1.5 CLAMPING NUT	39
13-L 454	662980277089	4 1/2 WIRE WHEEL BRUSH	65	15-D 012	662980271933	M14 x 2.0 CLAMPING NUT	39
13-L 462	662980030363	4 1/2 WIRE WH BRUSH STST	65	15-D 013	662980127261	1/2-13 CLAMPING NUT	39
13-L 464	662980106624	4 1/2 WIRE WH BRUSH STST	65	15-D 014	662980240953	5/8-11 CLAMPING NUT	39
13-L 502	662980063651	5x5/8 WIRE WHEEL BRUSH	65	15-D 015	662980225172	3/8-24 CLAMPING NUT	39
13-L 504	662980021369	5x3/8 WIRE WHEEL BRUSH	65	15-D 016	662980089088	M10 x 1.25 CLAMPING NUT	39
13-L 512	662980014103	5x5/8 WIRE WH BRUSH STST	65	15-D 018	662980127353	7/16-20 CLAMPING NUT	39
13-L 514	662980108857	5x3/8 WIRE WH BRUSH STST	65	15-D 027	662980178881	7 BACKING PAD 5/8-11	39
13-L 604	662980120965	6x3/8 WIRE WHEEL BRUSH	65	15-D 030	662980177419	4 BACKING PAD M10 x 1.25	39
13-L 614	662980221822	6x3/8 WIRE WH BRUSH STST	65	15-D 035	662980178256	4 BACKING PAD 3/8-24	39
14-A 904	662980177556	COOLCUT SAND SHEET 40	42	15-D 042	662980107744	4 1/2 BACKING PAD M14 x 2	39
14-A 906	662980086339	COOLCUT SAND SHEET 60	42	15-D 044	662980145449	4 1/2 BACKING PAD 5/8-11	39
14-A 908	662980285458	COOLCUT SAND SHEET 80	42	15-D 052	662980047545	5 BACKING PAD M14 x 2	39
14-A 910	662980051542	COOLCUT SAND SHEET 100	42	15-D 054	662980095157	5 BACKING PAD 5/8-11	39
14-A 912	662980205013	COOLCUT SAND SHEET 120	42	15-D 062	662980270493	6 BACKING PAD M14 x 2	39
14-A 918	332980049884	COOLCUT SAND SHEET 180	42	15-D 064	662980016343	6 BACKING PAD 5/8-11	39
14-A 924	662980250631	COOLCUT SAND SHEET 240	42	15-E 124	662980262597	2 TWO-IN-ONE FP WH	41
14-A 932	662980138298	COOLCUT SAND SHEET 320	42	15-E 126	662980196892	2 TWO-IN-ONE FP WH	41
14-C 106	662980199060	1 SHOP ROLL GR60	42	15-E 162	662980234549	3 TWO-IN-ONE FP WH	41
14-C 108	662980192610	1 SHOP ROLL GR80	42	15-E 164	662980104194	3 TWO-IN-ONE FP WH	41
14-C 110	662980283530	1 SHOP ROLL GR100	42	15-E 166	662980262856	3 TWO-IN-ONE FP WH	41
14-C 112	662980220948	1 SHOP ROLL GR120	42	15-E 167	662980114605	3 TWO-IN-ONE FP WH	41
14-C 118	662980116753	1 SHOP ROLL GR180	42	15-E 168	662980012154	3 TWO-IN-ONE FP WH	41
14-C 124	662980282960	1 SHOP ROLL GR240	42	15-E 295	662980007051	6 TWO-IN-ONE FP WH	41
14-C 132	662980288603	1 SHOP ROLL GR320	42	15-E 296	662980036563	6 TWO-IN-ONE FP WH	41
14-C 206	662980147757	1 1/2 SHOP ROLL GR60	42	15-E 652	662980181430	3 TWO-IN-ONE FP WH	41
14-C 208	662980201459	1 1/2 SHOP ROLL GR80	42	15-E 654	662980186671	3 TWO-IN-ONE FP WH	41
14-C 210	662980050200	1 1/2 SHOP ROLL GR100	42	15-E 656	662980191927	3 TWO-IN-ONE FP WH	41
14-C 212	662980151273	1 1/2 SHOP ROLL GR120	42	15-E 658	662980197165	3 TWO-IN-ONE FP WH	41
14-C 218	662980094457	1 1/2 SHOP ROLL GR180	42	15-F 004	662980322642	1 1/2 x 3/8 FP WH GR40	40
14-C 224	662980088449	1 1/2 SHOP ROLL GR240	42	15-F 006	662980111338	1 1/2 x 3/8 FP WH GR60	40
14-C 232	662980226421	1 1/2 SHOP ROLL GR320	42	15-F 008	662980120408	1 1/2 x 3/8 FP WH GR80	40
14-C 306	662980241011	2 SHOP ROLL GR60	42	15-F 012	662980152782	1 1/2 x 3/8 FP WH GR120	40
14-C 308	662980051085	2 SHOP ROLL GR80	42	15-F 054	662980848494	1 x 3/8 FP WH GR40	40
14-C 310	662980237274	2 SHOP ROLL GR100	42	15-F 056	662980250549	1 x 3/8 FP WH GR60	40
14-C 312	662980015711	2 SHOP ROLL GR120	42	15-F 058	662980255773	1 x 3/8 FP WH GR80	40
14-C 318	662980234327	2 SHOP ROLL GR180	42	15-F 062	662980261002	1 x 3/8 FP WH GR120	40
14-C 324	662980117064	2 SHOP ROLL GR240	42	15-F 104	662980677117	1 1/2 x 1 FP WH GR40	40
14-C 332	662980085738	2 SHOP ROLL GR320	42	15-F 106	662980051719	1 1/2 x 1 FP WH GR60	40
14-E 001	662980179246	CLEANING STICK	50	15-F 108	662980141045	1 1/2 x 1 FP WH GR80	40
15-C 452	662980094372	4 1/2 COOLCUT GR24	38	15-F 112	662980071588	1 1/2 x 1 FP WH GR120	40
15-C 453	662980274101	4 1/2 COOLCUT GR36	38	15-F 124	662980137314	1 1/2 x 1 FP WH GR240	40

Order No.	UPC Number	Description	Pg	Order No.	UPC Number	Description	Pg
15-F 154	662980477427	1 × 1 FP WH GR40	40	15-Q 454	662980134566	4 1/2 ENDURO-FLEX GR40	33
15-F 156	662980266236	1 × 1 FP WH GR60	40	15-Q 456	662980254349	4 1/2 ENDURO-FLEX GR60	33
15-F 158	662980271469	1 × 1 FP WH GR80	40	15-Q 458	662980142325	4 1/2 ENDURO-FLEX GR80	33
15-F 162	662980276693	1 × 1 FP WH GR120	40	15-Q 462	662980246917	4 1/2 ENDURO-FLEX GR120	33
15-F 204	662980784891	2 × 3/8 FP WH GR40	40	15-Q 504	662980124697	5 ENDURO-FLEX GR40	33
15-F 206	662980158241	2 × 3/8 FP WH GR60	40	15-Q 506	662980089804	5 ENDURO-FLEX GR60	33
15-F 208	662980049709	2 × 3/8 FP WH GR80	40	15-Q 508	662980051153	5 ENDURO-FLEX GR80	33
15-F 212	662980079751	2 × 3/8 FP WH GR120	40	15-Q 512	662980086889	5 ENDURO-FLEX GR120	33
15-F 304	662980363690	2 × 1 FP WH GR40	40	15-Q 704	662980216668	7 ENDURO-FLEX STST GR40	33
15-F 306	662980031933	2 × 13/16 FP WH GR60	40	15-Q 706	662980127490	7 ENDURO-FLEX STST GR60	33
15-F 308	662980274385	2 × 13/16 FP WH GR80	40	15-Q 708	662980180181	7 ENDURO-FLEX STST GR80	33
15-F 312	662980189733	2 × 13/16 FP WH GR120	40	15-Q 712	662980170847	7 ENDURO-FLEX STST GR120	33
15-F 324	662980173404	2 × 13/16 FP WH GR240	40	15-R 454	662980153680	4 1/2 ENDURO-FLEX GR40	32
15-F 504	662980424711	2 1/2 × 1 1/2 FP WH GR40	40	15-R 456	662980174043	4 1/2 ENDURO-FLEX GR60	32
15-F 506	662980034248	2 3/8 × 1 1/8 FP WH GR60	40	15-R 458	662980232590	4 1/2 ENDURO-FLEX GR80	32
15-F 508	662980113547	2 3/8 × 1 1/8 FP WH GR80	40	15-R 462	662980080344	4 1/2 ENDURO-FLEX GR120	32
15-F 512	662980064351	2 3/8 × 1 1/8 FP WH GR120	40	15-R 504	662980127964	5 ENDURO-FLEX GR40	32
15-F 524	662980205921	2 3/8 × 1 1/8 FP WH GR240	40	15-R 506	662980056813	5 ENDURO-FLEX GR60	32
15-F 704	662980921036	3 × 1 FP WH GR40	40	15-R 508	662980205259	5 ENDURO-FLEX GR80	32
15-F 706	662980030257	3 × 13/16 FP WH GR60	40	15-R 512	662980199206	5 ENDURO-FLEX GR120	32
15-F 708	662980026625	3 × 13/16 FP WH GR80	40	15-R 704	662980079720	7 ENDURO-FLEX GR40	32
15-F 712	662980266038	3 × 13/16 FP WH GR120	40	15-R 706	662980168035	7 ENDURO-FLEX GR60	32
15-F 804	662980409268	3 × 1 1/2 FP WH GR40	40	15-R 708	662980148563	7 ENDURO-FLEX GR80	32
15-F 806	662980689493	3 × 1 1/2 FP WH GR60	40	15-R 712	662980121573	7 ENDURO-FLEX GR120	32
15-F 808	662980276167	3 × 1 1/8 FP WH GR80	40	15-X 453	662980968369	4 1/2 COOLCUT XX GR36	37
15-F 812	662980043325	3 × 1 1/8 FP WH GR120	40	15-X 455	662980453773	4 1/2 COOLCUT XX GR50	37
15-F 824	662980053430	3 × 1 1/8 FP WH GR240	40	15-X 456	662980987940	4 1/2 COOLCUT XX GR60	37
15-F 904	662980615089	3 × 2 FP WH GR40	40	15-X 458	662980468876	4 1/2 COOLCUT XX GR80	37
15-F 906	662980071854	3 × 2 FP WH GR60	40	15-X 460	662980381786	4 1/2 COOLCUT XX GR100	37
15-F 908	662980263969	3 × 2 FP WH GR80	40	15-X 462	662980802052	4 1/2 COOLCUT XX GR120	37
15-F 912	662980034828	3 × 2 FP WH GR120	40	15-X 503	662980742464	5 COOLCUT XX GR36	37
15-H 014	662980069233	5/8-11NC CLAMPING NUT	39	15-X 505	662980541715	5 COOLCUT XX GR50	37
15-I 453	662980944721	TWO IN ONE FP WHEEL, 4 1/2"	35	15-X 506	662980871720	5 COOLCUT XX GR60	37
15-I 503	662980947722	TWO IN ONE FP WHEEL, 5"	35	15-X 508	662980902615	5 COOLCUT XX GR80	37
15-L 303	662980961872	3 FLEXCUT GR36	34	15-X 510	662980365311	5 COOLCUT XX GR100	37
15-L 306	662980928936	3 FLEXCUT GR60	34	15-X 512	662980587423	5 COOLCUT XX GR120	37
15-L 453	662980021385	4 1/2 FLEXCUT GR36	34	15-X 703	662980868263	7 COOLCUT XX GR36	37
15-L 456	662980064245	4 1/2 FLEXCUT GR60	34	15-X 705	662980584439	7 COOLCUT XX GR50	37
15-L 460	662980001974	4 1/2 FLEXCUT GR100	34	15-X 706	662980536087	7 COOLCUT XX GR60	37
15-L 503	662980249116	5 FLEXCUT GR36	34	15-X 708	662980654057	7 COOLCUT XX GR80	37
15-L 506	662980064108	5 FLEXCUT GR60	34	15-X 710	662980978122	7 COOLCUT XX GR100	37
15-L 510	662980275467	5 FLEXCUT GR100	34	15-X 712	662980712221	7 COOLCUT XX GR120	37
15-L 602	662980006528	6 FLEXCUT GR24	34	30-A 265	662980134405	BIG BUFF GRINDER 6, 6265	53
15-L 603	662980284476	6 FLEXCUT GR60	34	30-A 267	662980259016	BIG BUFF III KIT	53
15-L 606	662980261217	6 FLEXCUT GR80	34	30-A 268	662980061725	LINE-MATE III, 6268	47
15-L 702	662980002223	7 FLEXCUT GR24	34	30-A 269	662981003565	LINE-MATE III KIT	47
15-L 703	662980212127	7 FLEXCUT GR36	34	30-B 005	662980108505	MOUNTING FLANGE	69
15-L 706	662980257692	7 FLEXCUT GR60	34	30-B 021	662980100523	MOUNTING SET	69
15-L 710	662980058619	7 FLEXCUT GR100	34	30-B 022	662980116456	CLAMPING FLANGE	69
15-M 007	662980196649	TURBO ACTION BACKING PAD	39	30-B 023	662980248997	NUT HOLDER	69
15-M 008	662980052907	TURBO ACTION BACKING PAD	39	30-B 024	662980329757	Spin-On PERF. KIT	23
15-M 014	662980151976	5/8-11 CLAMP NUT	39	30-B 027	662980737196	SILICONE RING	23
15-M 044	662980177532	4 1/2 TURBO BKG PAD	39	30-B 037	662980260999	5/8-11 CLAMPING NUT	69
15-M 054	662980182772	5 TURBO BKG PAD	39	30-B 057	662980415597	BACKING FLANGE	69
15-M 055	662980005071	5 TURBO BKG PAD	39	30-B 061	662980091333	ADAPTOR	68
15-M 064	662980188002	6 TURBO BKG PAD	39	48-Z 148	662980237083	PIN KEY	69
15-P 452	662980076064	4 1/2 TOPCUT GR24	38	53-B 013	662980136799	COOLCUT STICK, 300 G	75
15-P 453	662980193310	4 1/2 TOPCUT GR36	38	53-C 056	662980662823	ICECUT, LIQUID 5L	75
15-P 455	662980087763	4-1/2" GR50 TOPCUT DISCS	38	53-C 057	662980691236	ICECUT, LIQUID 20L	75
15-P 456	662980584279	4 1/2 TOPCUT GR60	38				
15-P 458	662980567227	4 1/2 TOPCUT GR80	38				
15-P 502	662980222607	5 TOPCUT GR24	38				
15-P 503	662980241516	5 TOPCUT GR36	38				
15-P 505	662980051290	5" GR50 TOPCUT SAND DISCS	38				
15-P 506	662980436707	5 TOPCUT GR60	38				
15-P 508	662980272213	5 TOPCUT GR80	38				
15-P 702	662980190708	7 TOPCUT GR24	38				
15-P 703	662980233788	7 TOPCUT GR36	38				
15-P 705	662980171172	7" GR50 TOPCUT SAND DISCS	38				
15-P 706	662980840474	7 TOPCUT GR60	38				
15-P 708	662980566480	7 TOPCUT GR80	38				



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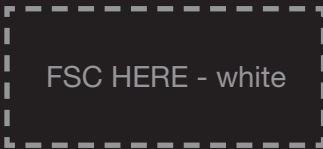
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