



**UNITED
ABRASIVES, INC.**

SAIT

2014-2015

Cutting • Grinding • Blending • Finishing

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Coated, Non-Woven & Accessories

How To Use THIS CATALOG

COLOR CODING SYSTEM

- Uniform color identification throughout our bonded abrasives section and on our product labels.
- Quickly recognize the right product for the type of material you are working with.

PRODUCT	COLOR CODING TO MATERIAL	PRODUCT	COLOR CODING TO MATERIAL
	METAL		ALUMINUM
	STAINLESS		CONCRETE

TECHNICAL & REFERENCE MATERIAL - PG. 159

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- Privately held company established in 1970.
- Relationship with SAIT, an Italian corporation founded in 1953, began as we first manufactured coated abrasive belts.
- By 1975, we had expanded our production to include bonded abrasives.
- Worldwide reputation for quality, consistency, and the highest levels of service.
- One of the largest and leading manufacturers of abrasive products in the world for both bonded and coated.
- Continually updating and investing in all aspects of our company – production, shipping and customer support.
- Only premium raw materials are used.
- Demand consistent manufacturing operations and have one of the most rigorous quality control testing procedures in the industry.
- ***EVERY order is a RUSH delivery!*** From phone order to truck in minutes!



PRODUCT WARRANTY

United Abrasives, Inc. warrants that all industrial products it manufactures will be as represented in its catalog and will be free from defects in material and workmanship under normal use for which the product was intended if, but only if, it has been properly stored and used. Our obligation under this Warranty shall be limited to either the exchange of any product proven to be defective under normal use or to refund the purchase price thereof, at our option, within six months from the date of purchase by the original purchaser. The term "original purchaser", as used in this Warranty, shall be deemed to mean that person or company to whom the product was originally sold. This remedy is purchaser's exclusive remedy against United Abrasives, Inc. for any damages to either person or property caused by any defect or other failure in the product. Said refund or exchange shall constitute a fulfillment of any and all liabilities of United Abrasives, Inc. with respect to the quality of the product sold by it.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY OTHER PERSON TO ASSUME FOR US, ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF OUR PRODUCTS. THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCT SOLD BY US WHICH HAS BEEN SUBJECT TO ACCIDENT, NEGLIGENCE, ALTERATION, ABUSE, OR MISUSE. WE MAKE NO WARRANTY WITH RESPECT TO ACCESSORIES OR PARTS EMPLOYED BY THE USER WITH OUR PRODUCT WHICH WERE NOT SUPPLIED BY UNITED ABRASIVES, INC. UNDER NO CIRCUMSTANCES IS UNITED ABRASIVES, INC. LIABLE FOR ANY DIRECT INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS) IN ANY WAY RELATING TO THE PRODUCTS SOLD BY UNITED ABRASIVES, INC.

All products listed in this catalog must be used in accordance with the safety regulations set by **OSHA**, by the directive described by the **American National Safety Institute B7.1** ("Safety Requirements for the Use, Care and Protection of Abrasive Wheels") and by the **American Brush Manufacturers Association**. The user of any United Abrasives, Inc. product should be thoroughly familiar with the above safety rules and regulations before use of the product.

BONDED ABRASIVES

INTRODUCTION

Anatomy of a Wheel

What is a Bonded Abrasive?

A resin bonded abrasive is a grinding or cutting tool composed of abrasive grains which are held tightly together by a bonding agent and typically reinforced with a woven material. Within the bonded abrasives category are grinding and cutting wheels, as well as “stones” in a variety of shapes and sizes.

3 Main Components of Resinoid Bonded Abrasives

① Abrasive Grains

Abrasive grains are particles of man-made abrasive compounds. While some manufacturers use recycled grains, **United Abrasives uses only first quality, premium grains that are made to our specifications.** The chemical structure of the grains determines the physical properties of the grains (i.e., shape, sharpness, hardness, friability). Common grain types used in making bonded abrasives include:

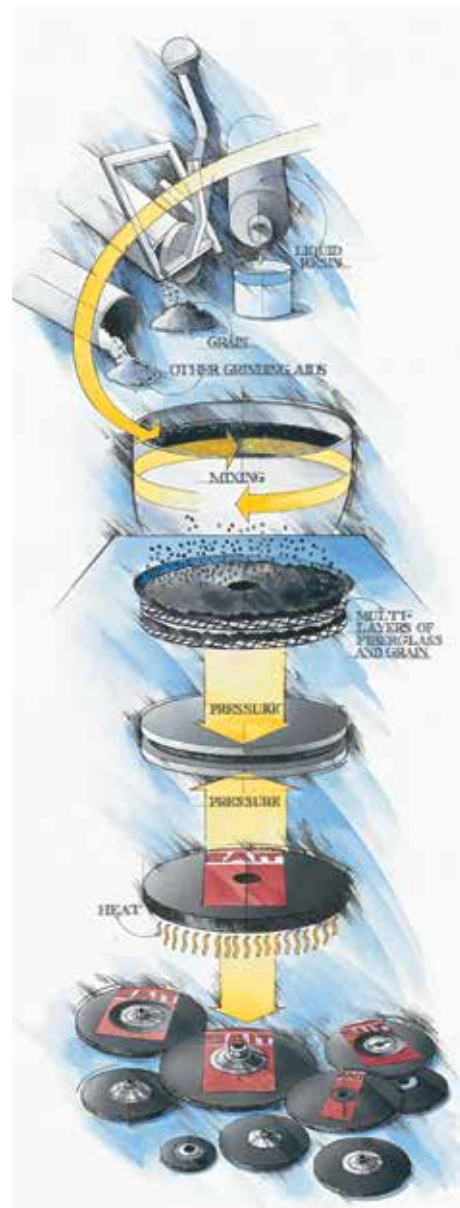
- **A - Aluminum Oxide**
A tough blocky shaped grain used for cutting metals and other high tensile strength materials without excessive fracturing
- **C - Silicon Carbide**
A very hard and very sharp abrasive suited for non-metallic materials such as concrete
- **Z - Alumina Zirconium** (also referred to as Zirconium)
A very fine, dense crystalline grain which can be used for rugged stock removal
- **SG - 3M™ Ceramic Abrasive Grain**
An exclusive patented ceramic aluminum oxide, two or three times tougher than standard aluminum oxide

② Bonding Agent

The bonding agent that holds the grains together determines the resistance of the wheel. United Abrasives uses the highest quality resinoid bond that is formulated to meet the unique specifications of each product. **Unlike many of our competitors, United Abrasives never uses inferior fillers or bonding agents.**

③ Reinforcement

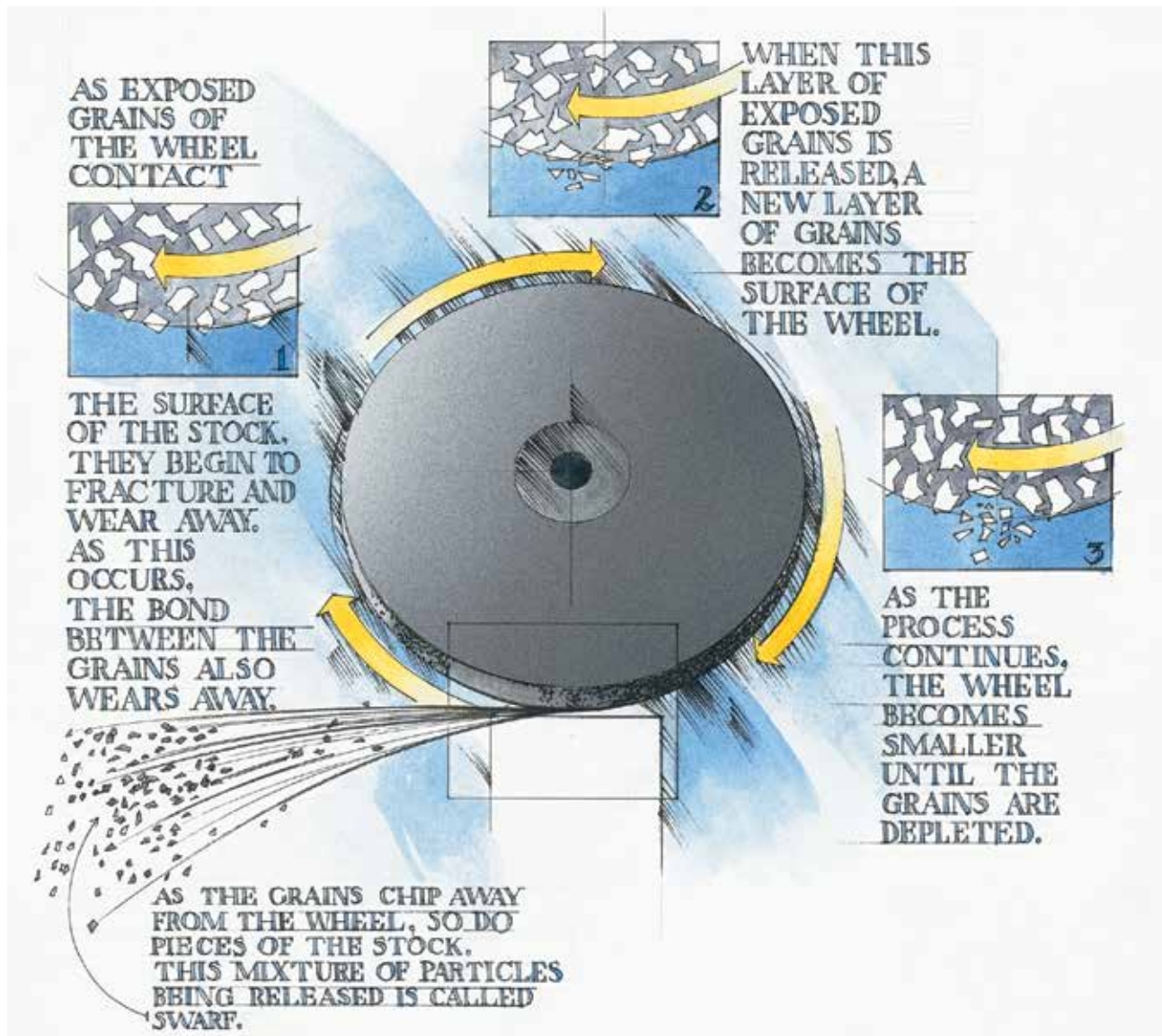
The reinforcement material provides extra strength to use the wheel at maximum RPMs and withstand lateral pressure that is applied during use. United Abrasives uses multiple layers of long stranded fiberglass, manufactured to our specification, which are woven to form an exceptionally strong reinforcement layer specific to the application. **This is a critical element in developing the structural strength of our wheel. Many competitors use less layers of reinforcement or inferior quality fiberglass which can affect the safety of the wheel...unseen to the naked eye!**



Combining the 3 Components

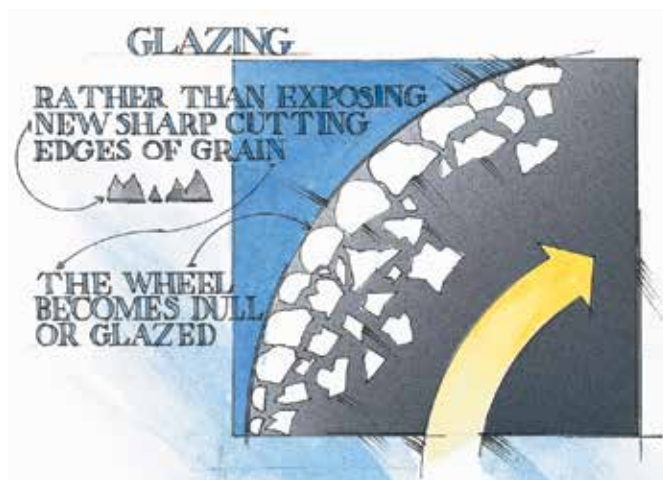
During the manufacturing process, these three components are combined to form a grinding wheel. The grains and bonding agents are measured, combined, and pressed in an automated hydraulic press then cured in temperature controlled ovens. **The entire manufacturing process, from start to finish, incorporates state-of-the-art manufacturing equipment, quality control analysis and compliance, and rigorous product evaluation to ensure that our customers receive one of the safest, most consistent and best performing wheels on the market.**

How a Wheel Works



Common Occurrences With Grinding/Cutting Applications

As a wheel is grinding and/or cutting, some situations may occur with the application such as glazing or loading. Here is a description of each of these occurrences and some possible solutions.



Solutions to Glazing

- Dress the wheel for a temporary solution
- Use a softer bond and/or coarser grit wheel



Solutions to Loading

- Dress the wheel for a temporary solution
- Use the correct wheel for the application

Sample of Wheel Label

Below is an example of a label that can be found on United Abrasives' wheels. We feel it is important to include as much information as possible on our labels so the end user has the pertinent information needed to operate the wheel. All of our labels are baked on the wheels during the manufacturing process so the label remains intact throughout the life of the wheel.



Wheel Label Color Coding:

METAL

STAINLESS

ALUMINUM

CONCRETE

Storage and Handling

All abrasive wheels are breakable and therefore care shall be exercised in handling and storage to prevent damage.

The following rules, which are based on experience, shall be observed:

- Handle wheel carefully to prevent dropping or bumping
- Do not roll wheels (hoop fashion)
- Use trucks or other suitable conveyances to provide support and protection in transporting all wheels which cannot be carried by hand
- Suitable racks, bins, drawers or boxes shall be provided to store the various types of wheels used
- Abrasive wheels should be stored in a dry area not subject to extreme temperature changes since some bonds may be affected by excessive humidity and temperature differentials
- Racks should be located as near as practical to the grinding location, but never where there is danger of damage from passing trucks, crane handling equipment or excessive vibration
- Please refer to the Safety Guide accompanying the product and on page 162 of this catalog.

Bonded Application Chart

Ferrous Metals *

	Angle Iron	Bar Stock	Cast Iron / Ductile Pipe	Carbon Steel	Channel Iron	Decking	Heavy Rebar	High Tensile Steel	Iron Pipe	I-Beams / Rail Steel	Light Gauge Metals	Metal Studding	Metal Tubing	Stainless Steel	Steel	Thin Rebar	Welds
Type 27 Grinding Wheels																	
A24N	•	•	•	•	•	•	•	•	•	•				•	•		•
A24R	•	•		•	•	•	•		•	•					•		•
A24T	•	•			•				•	•	•	•			•		•
C24N			•														
Type 27 Specialty Grinding Wheels																	
A46N																	
A24 Turbo	•	•			•				•		•	•					•
Sait Z-tech™	•	•		•	•	•	•	•	•	•					•	•	•
Saitech Ultimate Performance™								•						•			•
Saitech Attacker®			•					•						•			•
Stainless Contaminant Free														•			
Type 28 Grinding Wheels																	
A24N	•	•	•	•	•			•	•	•				•	•		•
A24R	•	•		•	•	•	•		•	•					•	•	•
C24N			•														
Saitech Ultimate Performance™			•					•						•			•
Type 29 Flexible Grinding/Blending Wheels																	
Challenger II™ / Challenger 3	•	•			•	•		•	•	•	•		•	•	•		•
Type 27 Specialty Cutting & Light Grinding Wheels																	
Pipeline/Turbo	•	•			•	•	•		•	•	•	•	•		•	•	•
Sait Z-tech™ Pipeline	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Saitech™ Pipeline (S Pipe)	•	•		•		•	•	•	•	•	•	•	•		•	•	•
Type 27 Cutting Wheels																	
A24R	•	•		•	•	•	•		•	•					•	•	•
.090 & .095	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
C24R			•														
Type 27 Specialty Cutting Wheels																	
Sait Z-tech™	•	•		•	•	•	•	•	•	•					•	•	•
.045 Aluminum																	
Saitech UP™ / Saitech™ .045, Z-tech™ .045 / The Ultimate Cut™ .045				•	•			•	•	•				•	•		•
Stainless Contaminant Free														•			
Type 1 Chop Saw Wheels																	
EZ-Chop Attacker® /Z-tech™	•	•			•		•		•		•	•			•	•	•
EZ-Chop® / Stud King®											•	•			•	•	
Saitech Steel Worker®				•			•						•	•		•	•
Iron Worker™	•	•			•		•		•						•	•	•
Non-ferrous Metals (Alum)																	
Type 1 High Speed Cut-off Wheels for Portable Saws																	
A24R	•	•		•	•		•		•	•					•	•	•
SAIT-Pro	•	•		•	•	•		•	•	•	•	•	•	•	•	•	•
A60S				•	•			•	•	•	•			•	•	•	•
Saitech™ .045 / Z-tech™ .045 / The Ultimate Cut™ .045				•	•			•	•	•				•	•		•
C24R / XFC			•														
Type 1 Specialty High Speed Cut-off Wheels																	
Brute™						•					•	•					
Hobo®	•	•			•		•		•	•			•				
Ductile™			•						•								
Big M.A.C.™																	
Type 1 Cut-off Wheels for Street Saws																	
C16																	
C24R																	
Street Walker™																	
Street Runner™																	
Type 1 Wheels for Stationary Cut-off Saws																	
A24N	•	•	•	•	•		•	•	•	•				•	•		•
A24R	•	•		•	•	•	•		•	•					•	•	•
A36R		•			•		•	•						•	•		•
C24R																	
Metal-Cutting Carbide Blades																	
Type 1 Thin High Speed Cut-off Wheels																	
A24R	•	•				•			•		•	•	•			•	•
A36T	•	•				•					•	•	•			•	•
A60T						•					•	•	•				
Saitech Ultimate Performance™				•				•						•			
Type 11 Cup Wheels																	
A16						•			•					•	•		
Z16						•			•					•	•		
C16			•														
CA16				•		•											
Type 16,17,18 Cones & Plugs																	
Resin Bonded Mounted Points																	

* Indicates most common usages

Bonded Application Chart

Non-Ferrous Metals *				Stone *				Other *				Page in Catalog			
Aluminum	Brass	Bronze	Copper	Asphalt	Brick	Ceramic	Concrete	Granite	Green Concrete	Marble	Masonry		Fiberglass	Plastic	Wood
															14
															14
															14
					•	•	•	•	•	•	•				20
•	•	•	•												17
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•															19
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					•	•	•	•	•	•	•				21
															23
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•	•	•	•									•	•	•	24
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															31
															31
															41
•	•	•	•		•	•	•	•	•	•	•				38-40
															43
•			•												41
															34
															35, 42
															43
															48-49
•	•	•	•												48-49
															49
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•	•	•	•		•		•				•		•		36
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					•		•		•	•	•				53
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•	•	•	•		•	•	•			•	•				54
•	•	•	•		•	•	•			•	•				55
															57, 58
												•	•		44-45
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															44-45
															44-45
															26
															26
							•	•		•	•				27
							•	•		•	•				27
															25
															28

* Indicates most common usages

How To Use This Chart

This chart should be used as a reference to match wheel to application. Following these steps will help you utilize this chart to choose the wheel that will best suit your needs.

STEPS IN SELECTING A WHEEL

1. Select the material you will be using based upon the choices at the top of the chart.
2. Determine what you want to do to this material?
 - Are you cutting?
 - Are you grinding?
 - Are you cutting and grinding?
 - Are you finishing?
3. What tools do you have available?
4. Once you have followed these steps, select the wheel that will best suit your needs and turn to that page to see more specifications on that product.

Exclusive Super-Lock™ Hub

Super-Lock™ combines a mechanically interlocked transversed key lock system with a unique two-part bonding system to give it superior performance capabilities. Other manufacturers use hubs that depend only on two-part epoxy which can fail in many instances due to poor surface preparation, improper curing conditions, incorrect ratio of catalyst and epoxy, or the quantity of epoxy material applied.

Unique in the industry

The United Abrasives Super-Lock™ system is our exclusive, fail-safe throw away hub assembly. This is a unique hubbing system that is used on Type 27 and Type 28 grinding and cutting wheels where hub mounting is preferred.

Unsurpassed Performance

The rotational torque placed upon wheels can vary based on material being removed and pressure that is applied. While the chemical bonds that other manufacturers use can fail, the Super-Lock™ Hub ensures the stability of the hub to wheel connection.

Millions sold - Not one Failure

Since 1983, United Abrasives has manufactured and sold millions of depressed center wheels with Super-Lock™ Hubs. Not a single one has ever been reported as a failure.

Patented

The Super-Lock™ Hub system is so safe that it was originally protected by United States patent #4,541,205. United Abrasives is the only manufacturer to utilize this outstanding hub system.

Use on Type 27 and Type 28 Wheels

The Super-Lock™ Hub System is available on 4-1/2", 5", 6", 7" and 9" Type 27 and Type 28 depressed center grinding and cutting wheels. Turbo 5" x 1/8", .045" wheels, .090" wheels, .095" wheels and flap discs do not have Super-Lock™ Hubs but use a non-keyway hub with the same unique two-part bonding system.

Look for this drawing throughout the catalog indicating the wheels that are available with the Super-Lock™ Hub.

Unique two part epoxy bonding system applied to the hub area



Before

Mechanical Locking System that fits into keyway



After

Exclusive Fail-Safe Hub



5/8-11 Super-Lock™ Hub

GRINDING INTRODUCTION



- This section contains ten 1/4" thick grinding specifications (Type 27, 28 and 29).
- You will also find Cones, Plugs, Cup Stones, Mounted Points, Challenger II, and Challenger 3.

TYPE 27

General Purpose



Pg. 14

Specialty



Pg. 15

High Performance



Pg. 16

Aluminum



Pg. 17

PAGES 14-17

A24N
Fast Grinding

A24R
Long Life

A24T
Edge Grinding

A24Turbo™
Smooth, Edge Grinding
Better Control
Long Life

Sait Z-tech™
Extremely Fast
Stock Removal

Special Zirconium Grain

Can be used on
Stainless Steel

A46N
Extremely Fast
Stock Removal

Non-loading Formula

TYPE 27

Stainless Steel



Pg. 18

Stainless Steel



Pg. 19

Concrete



Pg. 20

PAGES 18-20

XA24Q
Contaminant Free
Grinding
contaminant (cf) free
Free of Iron, Sulphur
& Chlorine

Saitech Attacker®
Fast Grinding

Saitech Ultimate Performance™
Long Life

C24N
General Purpose
Grinding on Masonry,
Concrete and Stone

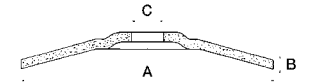
TYPE 28



Pgs. 21-23

PAGES 21-23

A24N
A24R
Saitech™
Concrete



Challenger II & 3



Pg. 24

Mounted Points



Pg. 28

Cones & Plugs



Pg. 25

Cup Stones



Pg. 26-27

Grinding 1/4"

TYPE 27 Depressed Center Wheels

GRINDING

GENERAL PURPOSE



A24N - Fast Grinding

- Aluminum oxide grain
- Soft bond for **fast stock removal**

METAL Ferrous Metals (iron, steel, welds, etc.)

STAINLESS Low grade stainless steel

A24R - Long Life

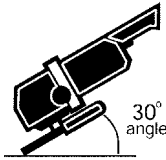
- Aluminum oxide grain - our most popular wheel
- For general purpose grinding
- **Longer life** for fewer wheel changes

METAL Ferrous Metals (iron, steel, welds, etc.)

A24T - Edge Grinding

- Aluminum oxide grain
- Hard bond designed for **edge and bevel grinding** and other applications where a harder wheel is preferred
- **Longer life** for fewer wheel changes

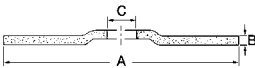
METAL Ferrous Metals (iron, steel, welds, etc.)



Angle Grinder



5/8-11 Super-Lock™ Hub



Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Number					
3	3/16	3/8	18,000	20001	-	-	25	100	3
3	1/4	3/8	18,000	20002	20005	-	25	100	4
4	3/16	3/8	13,500	20010	-	-	25	100	6
4	1/4	3/8	13,500	20012	20019	-	25	100	7
4	1/4	5/8	13,500	20015	20013	-	25	100	7
4-1/2	3/16	7/8	13,300	20050	-	-	25	100	8
4-1/2	3/16	5/8-11	13,300	20150	-	-	10	40	5
4-1/2	1/4	7/8	13,300	20060	20063	20065	25	100	9
4-1/2	1/4	5/8-11	13,300	20160	20163	20165	10	40	6
5	1/4	7/8	12,200	20070	20073	20075	25	100	11
5	1/4	5/8-11	12,200	20170	20173	20175	10	40	6
6	1/4	7/8	10,200	20078	20079	20280	25	50	18
6	1/4	5/8-11	10,200	20178	20076	20180	10	40	10
7	1/4	7/8	8,500	20081	20080	20285	25	50	24
7	1/4	5/8-11	8,500	20085	20086	20185	10	40	14
9	1/4	7/8	6,600	20091	20090	20295	25	50	42
9	1/4	5/8-11	6,600	20095	20096	20195	10	40	20



Quick Tip

The "softer" a grinding wheel is (A24N) the faster it will remove metal.



- Virgin aluminum oxide grain assures consistent high stock removal for tough applications
- All sizes are made with uniform grain throughout, no filler grain used in the backing
- All wheels internally reinforced with the highest quality fiberglass for maximum safety
- **Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry**

TYPE 27 Depressed Center Wheels

Grinding 1/4"

GRINDING

SPECIALTY

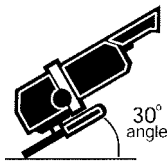
A24Turbo™ - Hard Edge

- Special combination aluminum oxide grain
- Hard bond system for all **edge and tough** applications requiring a harder wheel
- Very hard edge which breaks down evenly for **smooth operation**
- **Very long life** for fewer wheel changes

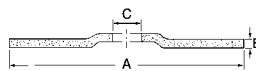
METAL Ferrous Metals (iron, steel, welds, etc.)



5/8-11
Super-Lock™ Hub



Angle Grinder



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4-1/2	1/4	7/8	13,300	25803	25	100	9
4-1/2	1/4	5/8-11	13,300	25813	10	40	6
5	1/4	7/8	12,200	25805	25	100	11
5	1/4	5/8-11	12,200	25815	10	40	6
6	1/4	7/8	10,200	25806	25	50	17
6	1/4	5/8-11	10,200	25816	10	40	10
7	1/4	7/8	8,500	25807	25	50	24
7	1/4	5/8-11	8,500	25817	10	40	9
9	1/4	7/8	6,600	25809	25	50	39
9	1/4	5/8-11	6,600	25819	10	40	19

Tech
INFO

- Virgin aluminum oxide grain assures consistent high stock removal for tough applications
- All sizes are made with uniform grain throughout, no filler grain used in the backing
- All wheels internally reinforced with the highest quality fiberglass for maximum safety
- **Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry**

Grinding

1/4"

TYPE 27 Depressed Center Wheels

GRINDING

HIGH PERFORMANCE



Z24R - Zirconium

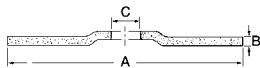
- Tough zirconium grain
- High performance grinding for the toughest applications

METAL Ferrous metals (iron, steel, welds)

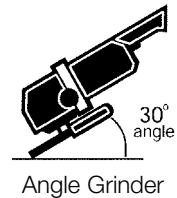
STAINLESS Stainless steel, high tensile alloys



HIGH PERFORMANCE



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4	1/4	5/8	13,500	22599	25	100	7
4-1/2	1/4	7/8	13,300	22600	25	100	9
4-1/2	1/4	5/8-11	13,300	22610	10	40	6
5	1/4	7/8	12,200	22602	25	100	12
5	1/4	5/8-11	12,200	22612	10	40	6
6	1/4	7/8	10,200	22603	25	50	20
6	1/4	5/8-11	10,200	22613	10	40	9
7	1/4	7/8	8,500	22604	25	50	25
7	1/4	5/8-11	8,500	22614	10	40	14
9	1/4	7/8	6,600	22606	25	50	42
9	1/4	5/8-11	6,600	22616	10	40	21



- The highest quality zirconium grain
- All sizes made with uniform grain throughout, no filler grain used
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry

TYPE 27 Depressed Center Wheels

Grinding
1/4"

GRINDING

ALUMINUM

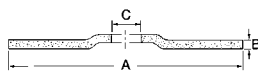
A46N - Aluminum

- Aluminum oxide grain
- Soft bond for aggressive removal of material without loading
- Outlasts competition by as much as 40%

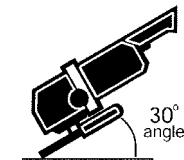
ALUMINUM Non-ferrous metals
(aluminum, copper, brass, etc.)



See pages 62-63 for Cotton Fiber grinding and blending products for aluminum



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4	1/4	5/8	13,500	20018	25	100	7
4-1/2	1/4	7/8	13,300	20062	25	100	9
4-1/2	1/4	5/8-11	13,300	20162	10	40	6
5	1/4	7/8	12,200	20072	25	100	11
5	1/4	5/8-11	12,200	20172	10	40	6
7	1/4	7/8	8,500	20083	25	50	24
7	1/4	5/8-11	8,500	20088	10	40	13
9	1/4	7/8	6,600	20093	25	50	41
9	1/4	5/8-11	6,600	20098	10	40	20



Angle Grinder

Tech INFO

- Special aluminum oxide formulation prevents "loading" on soft (non-ferrous) metals
- All sizes internally reinforced with the highest quality fiberglass for maximum safety and performance
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry

Grinding

1/4"

TYPE 27 Depressed Center Wheels

GRINDING

CONTAMINANT-FREE/STAINLESS STEEL



XA24Q - Contaminant-Free

- Specially formulated for nuclear and food processing plants
- Free of iron, chlorine and sulphur compounds (Fe + Cl + S <0.1%)

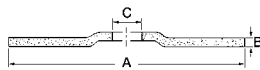
STAINLESS Stainless steel and other high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)

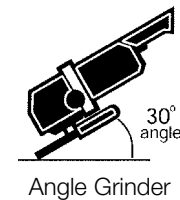
- Available in 1/8" for pipeline work
(for more information see page 43)

contaminant **cf** free

- Will not contaminate stainless steel



Size			Max RPM	Part Numbers	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4-1/2	1/4	7/8	13,300	24210	25	100	9
5	1/4	7/8	12,200	24215	25	100	9
6	1/4	7/8	10,200	24220	25	50	20
7	1/4	7/8	8,500	24225	25	50	25
9	1/4	7/8	6,600	24230	25	50	49



- Specially formulated for contaminant-free stock removal on stainless steel
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance

TYPE 27

Saitech High Performance Wheels

Grinding
1/4"

GRINDING

HIGH PERFORMANCE/STAINLESS STEEL

Saitech Attacker®

- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Extremely fast stock removal on hard metals with minimal pressure

STAINLESS Stainless steel and other high tensile alloys

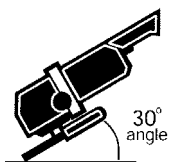
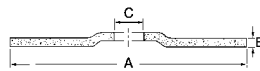
METAL Ferrous metals (iron, steel, welds, etc.)

Saitech Ultimate Performance™

- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Combines fast stock removal with long life

STAINLESS Stainless steel and other high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)



Angle Grinder

Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers					
				Attacker®	Saitech™	UP			
3	3/16	3/8	18,000	-	20101		25	100	3
4	1/4	3/8	13,500	-	20112		25	100	7
4	1/4	5/8	13,500	-	20014		25	100	8
4-1/2	1/4	7/8	13,300	20046	20064		25	100	11
4-1/2	1/4	5/8-11	13,300	20146	20164		10	40	6
5	1/4	7/8	12,200	20047	20074		25	100	13
5	1/4	5/8-11	12,200	20147	20174		10	40	8
7	1/4	7/8	8,500	20048	20084		25	50	28
7	1/4	5/8-11	8,500	20148	20089		10	40	14
9	1/4	7/8	6,600	20049	20094		25	50	43
9	1/4	5/8-11	6,600	20149	20099		10	40	21



- Manufactured with patented 3M™ ceramic abrasive grain to outlast standard aluminum oxide wheels
- Special bonding formula allows for very fast stock removal on many types of metals
- Designed to provide very long life for fewer wheel changes and less downtime
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry

3M is a trademark of 3M Company

Grinding 1/4"

TYPE 27 Depressed Center Wheels

GRINDING

CONCRETE



C24N - Concrete

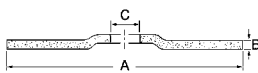
- Silicon carbide grain
- Soft bond for **fast stock removal**

CONCRETE Masonry, concrete, stone

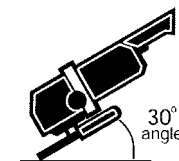
METAL Cast iron and other ferrous metals

QT Quick Tip

Use the C24N wheel on hard to grind metal like cast iron



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4	1/4	5/8	13,500	20017	25	100	6
4-1/2	1/4	7/8	13,300	20061	25	100	8
4-1/2	1/4	5/8-11	13,300	20161	10	40	6
5	1/4	7/8	12,200	20071	25	100	10
5	1/4	5/8-11	12,200	20171	10	40	6
7	1/4	7/8	8,500	20082	25	50	24
7	1/4	5/8-11	8,500	20087	10	40	12
9	1/4	7/8	6,600	20092	25	50	33
9	1/4	5/8-11	6,600	20097	10	40	7



Angle Grinder

Tech INFO

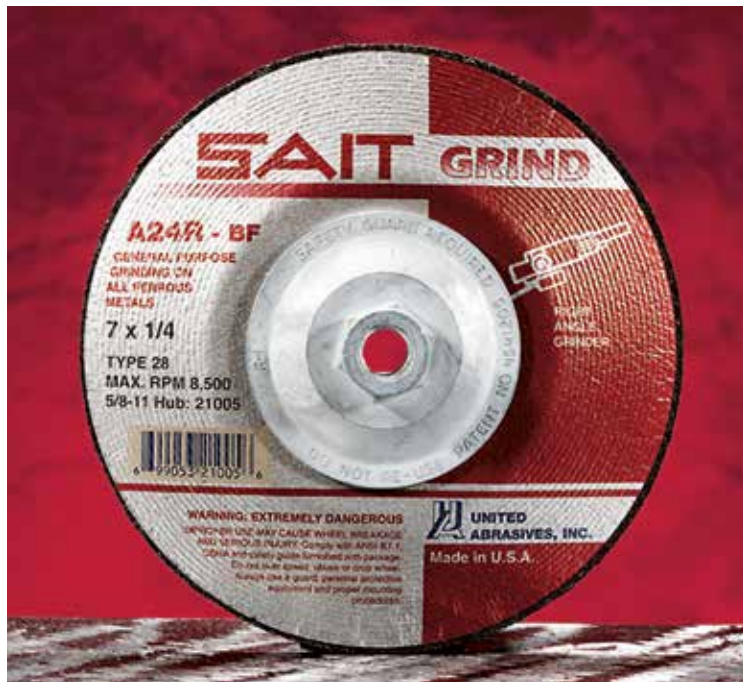
- Special silicon carbide grain formula is excellent for grinding masonry, concrete, stone and aggregate
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry

TYPE 28 Depressed Center Wheels

Grinding 1/4"

GRINDING

GENERAL PURPOSE



A24N - Fast Grinding

- Aluminum oxide grain
- Soft bond for fast stock removal

METAL Ferrous metals (iron, steel, welds, etc.)

STAINLESS Low-grade stainless steel

A24R - Long Life

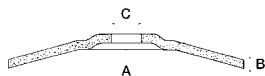
- Aluminum oxide grain
- Medium bond for longer life and fewer wheel changes

METAL Ferrous metals (iron, steel, welds, etc.)

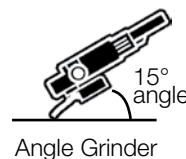


Quick Tip

Use this saucer shape for uniform grinding of large flat surfaces.



Size			Max RPM	Grades Available		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Number				
				A24N	A24R			
4-1/2	1/4	7/8	13,300	21020	21021	25	100	9
4-1/2	1/4	5/8-11	13,300	21025	21026	10	40	6
7	1/4	7/8	8,500	-	21000	25	50	23
7	1/4	5/8-11	8,500	-	21005	10	40	13
9	1/4	7/8	6,600	-	21010	25	50	38
9	1/4	5/8-11	6,600	-	21015	10	40	19



- Type 28 saucer shape (see diagram above) allows greater surface area coverage and provides the operator with greater grind visibility
- Additional fiberglass reinforcement for maximum safety in high lateral pressure applications
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry

Grinding

1/4"

TYPE 28 Saitech High Performance Wheels

GRINDING

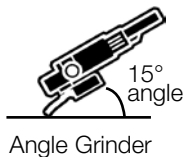
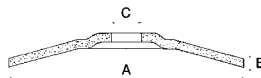
HIGH PERFORMANCE/STAINLESS STEEL

Saitech Ultimate Performance™

- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Exclusive formula with patented 3M™ ceramic abrasive grain
- Combines maximum material removal with long life

STAINLESS Stainless steel

METAL Ferrous metals (iron, steel, welds, etc.)



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
7	1/4	7/8	8,500	21084	25	50	23
7	1/4	5/8-11	8,500	21089	10	40	12
9	1/4	7/8	6,600	21094	25	50	34
9	1/4	5/8-11	6,600	21099	10	40	19



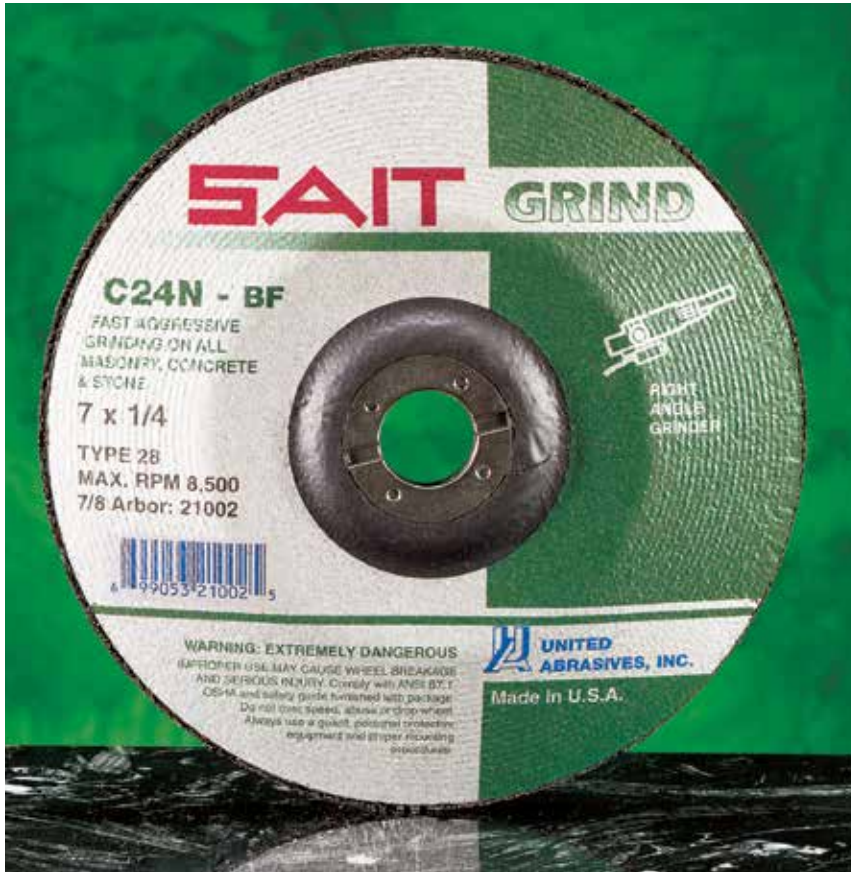
- Type 28 saucer shape (see diagram above) allows greater surface area coverage and provides the operator with greater grind visibility
- Patented 3M™ ceramic abrasive grain formulation outlasts standard aluminum oxide wheels
- Additional fiberglass reinforcement for maximum safety in high lateral pressure applications
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry

TYPE 28 Depressed Center Wheels

Grinding
1/4"

GRINDING

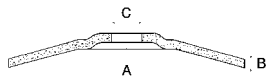
CONCRETE



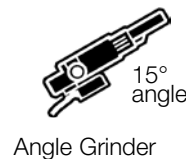
C24N - Concrete

- Silicon carbide grain
- Soft bond for **fast stock removal**

CONCRETE Masonry, concrete, stone, brick



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
7	1/4	7/8	8,500	21002	25	50	20
7	1/4	5/8-11	8,500	21006	10	40	11
9	1/4	7/8	6,600	21012	25	50	32
9	1/4	5/8-11	6,600	21016	10	40	16



- Special silicon carbide grain formula is excellent for grinding masonry, concrete, stone and aggregate
- Type 28 saucer shape (see diagram above) allows greater surface area coverage and provides the operator with greater grind visibility
- Additional fiberglass reinforcement for maximum safety in high lateral pressure applications
- **Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry**

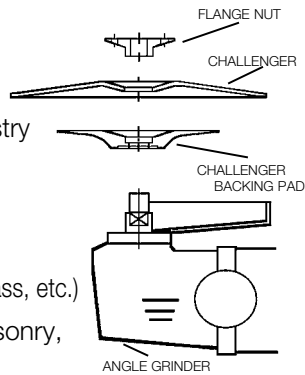


Challenger II™

- Aluminum oxide grain
- Open pattern on wheel for cool grinding and blending
- Safe for use in the nuclear industry

- METAL** Steel, iron, bronze
- STAINLESS** Stainless steel
- ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)
- CONCRETE** Also for use on masonry, plastic, fiberglass

PROPER CLAMPING PROCEDURES



Packaging
 Each box of 25 supplied with a backing pad and one 5/8-11 nut
 Additional pad assembly:
 4-1/2" & 5" - #95245
 7" - #95247
 For additional pads & nuts see pg. 152

Quick Tip
 Use Challenger II™ for longer life in aggressive applications.



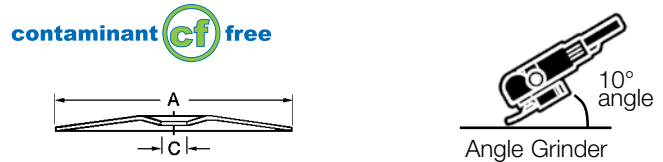
Challenger 3

High Performance

- Semi-Flexible
- Grind and blend welds in one step
- Open pattern on wheel for cool grinding and blending
- Contaminant Free - Safe for use in the nuclear industry

- STAINLESS** Stainless steel
- METAL** Steel, iron, bronze
- ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

REQUIRES NO BACKING PAD!



Size		Max RPM	Part Numbers/Grits				Qty Per Box	Lbs Per Box
A Dia.	C Bore		Challenger II™					
4-1/2	7/8	13,280	-	27500	27501	27502	25	6
5	7/8	12,200	-	27506	27507	27508	25	5
7	7/8	8,600	27510	27511	27512	27513	25	14

Size		Max RPM	Part Numbers/Grits		Qty Per Box	Lbs Per Box
A Dia.	C Bore		Challenger 3			
4-1/2	7/8	13,280	27610	27611	10	3
5	7/8	12,200	27615	27616	10	3



- Type 29 shape (see diagram above) allows easy control in grinding and blending applications
- Honeycomb, dimpled pattern on face allows for greater cooling action and longer life
- Grind and blend welds in one-step, no need for multiple steps and products
- Available in many grits for all your grinding and blending needs

TYPE 16, 17, 18 Cones & Plugs

Grinding

GRINDING

GENERAL PURPOSE



Cones and Plugs

- Aluminum oxide grain
- For grinding and snagging in hard to reach areas
- **Fast stock removal**

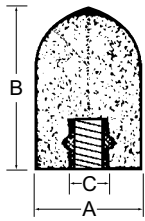
METAL Ferrous metals
(iron, steel, welds, etc.)

Packaging
10 per box



Die Grinder

Type 16 Cone



Size			Grade Available	Max RPM	Part No.	Qty Per Box	Lbs Per Box
A Dia.	B Length	C Bore					
1	3	3/8-24	A20	36,300	24999	10	3
1-1/4	3	3/8-24	A16	29,000	25000	10	3
2	3	3/8-24	A16	18,100	25005	10	6
2	3	5/8-11	A16	18,100	25006	10	7
2-3/4	3-1/2	5/8-11	A16	13,200	25008	10	13
3	3	5/8-11	A20	12,000	25009	10	13

NEW!

NEW!

Type 17 Cone



1-1/2	2-1/2	3/8-24	A20	24,100	25101	10	3
1-1/2	2-1/2	5/8-11	A20	24,100	25102	10	3
1-1/2	3	3/8-24	A16	24,100	25103	10	3
1-1/2	3	5/8-11	A16	24,100	25104	10	4
2	3	3/8-24	A16	18,100	25105	10	6
2	3	5/8-11	A16	18,100	25106	10	5

Type 18 Plug



1	3	3/8-24	A20	36,300	25200	10	5
1-1/2	2-1/2	3/8-24	A20	24,100	25201	10	5
1-1/2	2-1/2	5/8-11	A20	24,100	25202	10	5
1-1/2	3	3/8-24	A16	24,100	25203	10	5
1-1/2	3	5/8-11	A16	24,100	25204	10	6
2	3	3/8-24	A16	18,100	25205	10	10
2	3	5/8-11	A16	18,100	25206	10	11

NEW!

Type 18R Plug



1	3	3/8-24	A20	36,300	25300	10	3
1-1/2	2-1/2	3/8-24	A20	24,100	25301	10	5
1-1/2	2-1/2	5/8-11	A20	24,100	25302	10	5
1-1/2	3	3/8-24	A16	24,100	25303	10	6
1-1/2	3	5/8-11	A16	24,100	25304	10	6
2	3	3/8-24	A16	18,100	25305	10	8
2	3	5/8-11	A16	18,100	25306	10	9

NEW!



- Available in the most common application shapes
- Large grit size for heavy-duty grinding and snagging



Z16 - Zirconium

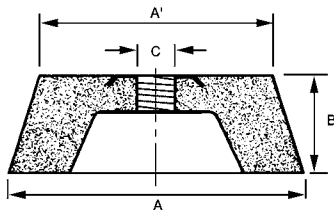
- Special Zirconium grain formulation
- **Coarse grit and hard bond for the toughest grinding applications**
- Outlasts standard Aluminum Oxide cup wheels 2:1

- METAL** Ferrous metals
- STAINLESS** Stainless steel

A16 - General Purpose

- Aluminum oxide grain
- Coarse grit wheel **for tough grinding applications**
- Excellent for cleaning castings, mold marks, removing flashing

- METAL** Ferrous metals



Available with an optional metal backing

Size				Grades Available	Max RPM	Part Number	MB* Number	Qty Per Box	Lbs Per Box
A Dia.	A' Dia.	B Width	C Bore						
4	3	2	5/8-11	A16	9,050	26000	26003	12	25
5	4	2	5/8-11	A16	7,250	26010	26013	6	20
5	4	2	5/8-11	Z16	7,250	26050	26053	6	23
6	4-3/4	2	5/8-11	A16	6,050	26020	26023	5	25
6	4-3/4	2	5/8-11	Z16	6,050	26060	26063	5	25

MB* = metal backing



Angle Grinder



- Type 11 shape (see diagram above) provides maximum surface area coverage for grinding and cleaning applications
- Offered with a metal backed option for greater stability in high-pressure applications

TYPE 11 Cup Stones

Grinding

GRINDING

CONCRETE



C16 - Concrete

- Silicon carbide grain
- Coarse grit for tough grinding applications
- Excellent for cleaning castings, mold marks, and removing flashing

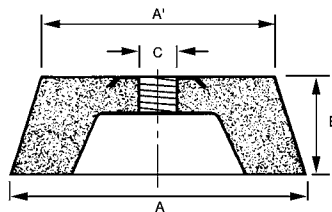
CONCRETE Masonry, concrete, stone

CA16 - Combination

- Combination of aluminum oxide and silicon carbide grains
- Excellent for cleaning castings, mold marks, and removing flashing

METAL Use on combination of ferrous metals

CONCRETE and/or concrete materials



Available with an optional metal backing



Angle Grinder

Size				Grades Available	Max RPM	Part Number	MB*	Qty Per Box	Lbs Per Box
A Dia.	A' Dia.	B Width	C Bore						
4	3	2	5/8-11	C16	9,050	26001	26004	12	21
4	3	2	5/8-11	CA16	9,050	26002	26005	12	24
5	4	2	5/8-11	C16	7,250	26011	26014	6	17
5	4	2	5/8-11	CA16	7,250	26012	26015	6	19
6	4-3/4	2	5/8-11	C16	6,050	26021	26024	5	20
6	4-3/4	2	5/8-11	CA16	6,050	26022	26025	5	30

MB* = metal backing



- Type 11 shape (cup shape) is excellent for maximum surface area coverage for foundry and cleaning applications
- Available in popular sizes for right angle grinders on the market
- Metal back option provides greater stability in tough grinding applications

A36Q - Resin Bonded

- Aluminum oxide grain
- For deburring and finishing
- **Fast stock removal**

METAL Ferrous metals (iron, steel, welds)

- Shank length 1-1/2"



Mandrel overhang "O" must always be the lowest possible. Maximum speeds given refer to overhang "O" equal to 1/2"



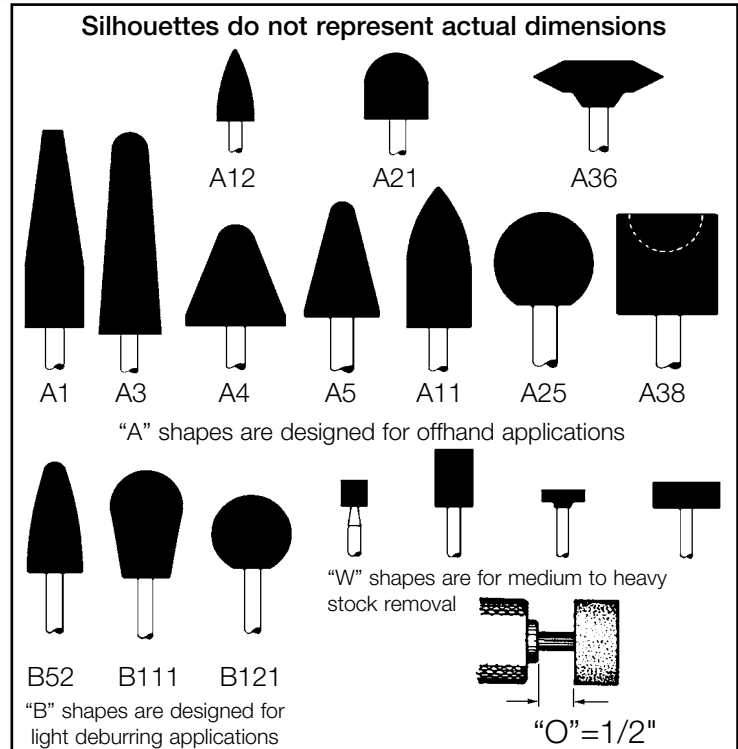
Die Grinder

A60R - Vitrified

- Aluminum oxide grain
- **Ideal for ID grinding and mold finishing**

METAL Ferrous metals

- Shank length 1-1/2"



Type	Size		Shank Dia.	A36Q Part Number	A60R Part Number	"O" = 1/2" Max RPM	Qty Per Box
	Dia.	Length					
A1	3/4	2-1/2	1/4	27401	27010	19,800	10
A3	1	2-3/4	1/4	27402	27020	16,100	10
A4	1-1/4	1-1/4	1/4	27403	27030	30,560	10
A5	3/4	1-1/8	1/4	27404	27035	45,000	10
A11	7/8	2	1/4	27405	27040	19,860	10
A12	11/16	1-1/4	1/4	-	27050	48,000	10
A21	1	1	1/4	-	27060	34,500	10
A25	1	Round	1/4	-	27070	35,620	10
A36	1-5/8	3/8	1/4	-	27086	23,520	10
A38	1	1	1/4	27406	27088	34,500	10
B52	3/8	3/4	1/4	27407	-	45,370	10
B52	3/8	3/4	1/8	-	27110	45,370	20
B111	7/16	11/16	1/8	-	27120	33,750	20
B121	1/2	1/2	1/8	-	27130	45,370	20
W160	1/4	1/4	1/8	-	27308	81,370	10
W177	3/8	3/4	1/8	-	27310	33,750	20
W179	3/8	1-1/4	1/4	27408	-	45,750	10
W189	1/2	2	1/4	27409	27327	24,000	10
W196	5/8	1	1/4	-	27329	35,250	10
W204	3/4	3/4	1/4	27410	27320	42,750	10
W208	3/4	2	1/4	27411	27330	18,750	10
W215	1	1/8	1/8	-	27338	38,200	10
W220	1	1	1/4	27412	27360	25,500	10
W222	1	2	1/4	27413	27340	15,900	10
W225	1-1/4	1/4	1/4	-	27350	30,560	10
W236	1-1/2	1/2	1/4	27414	27349	25,470	10



- These mounted bonded points are a low cost alternative to carbide burs
- Each point is dressed for perfect balance to perform without vibration or run-out

PIPELINE INTRODUCTION



- This section contains four 1/8" thick specifications
- Designed and manufactured to perform both cutting and light grinding



A24R Pipeline
Long Life



Z24R
High Performance



A24 Turbo™
High Performance



Saitech™ Pipeline
High Performance
Stainless Steel

Also available:



Pipeline Brushes
pages 143-144



A24R Pipeline - Long Life

- Aluminum oxide grain
- For the pipeline industry
- **Designed and manufactured to perform both cutting and light grinding**
- Long life

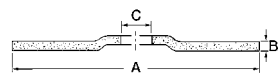
METAL Ferrous metals
(steel, cast iron, etc.)



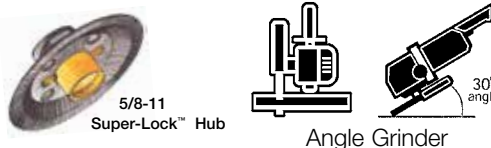
A24 Turbo™ - High Performance

- Aluminum oxide grain
- For the pipeline industry
- **High performance cutting, notching and light grinding**
- Long life

METAL Ferrous metals
(steel, cast iron, etc.)



Size			Max RPM	Part Number		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Pipeline	Turbo™			
3	1/8	3/8	18,000	22005	-	25	100	2
4	1/8	3/8	13,500	22007	-	25	100	4
4	1/8	5/8	13,500	22015	-	25	100	4
4-1/2	1/8	7/8	13,300	22030	23703	25	100	6
4-1/2	1/8	5/8-11	13,300	22130	23713	10	40	5
5	1/8	7/8	12,200	22040	23705	25	100	7
5	1/8	5/8-11	12,200	22140	23715*	10	40	5
6	1/8	7/8	10,200	22042	23706	25	50	10
6	1/8	5/8-11	10,200	22046	23716	10	40	8
7	1/8	7/8	8,500	22055	23707	25	50	15
7	1/8	5/8-11	8,500	22052	23717	10	40	10
9	1/8	7/8	6,600	22065	-	25	50	25
9	1/8	5/8-11	6,600	22062	-	10	40	13



Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055).

* Part number 23715 does not use Super-Lock™ Hub.



**Also available:
Pipeline Brushes
pages 143-144**



- Designed for both cutting and light grinding, eliminating the need for 2 separate wheels
- General purpose formulation provides optimum performance over a wide range of applications
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- **Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry**

TYPE 27

Specialty Pipeline Wheels

Cutting/Grinding

1/8"

PIPELINE

STAINLESS STEEL/HIGH PERFORMANCE



TM

Z24R

- Tough zirconium grain
- High performance cutting and light grinding for the toughest applications

METAL Ferrous metals (iron, steel, welds)

STAINLESS Stainless steel, high tensile alloys



Saitec™ Pipeline

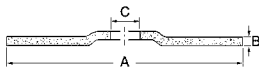
- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Designed and manufactured to perform both high performance cutting and light grinding
- Long life combined with versatility for the pipeline industry

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)



- High performance cutting and light grinding on stainless steel



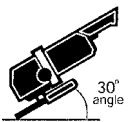
Size			Max RPM	Part Number		Qty Per Box	Qty Per Ctn	Lbs Per Box	
A Dia.	B Width	C Bore		Z-tech™	Saitec™			Z-tech™	Saitec™
4	1/8	5/8	13,500	22619	-	25	100	4	-
4-1/2	1/8	7/8	13,300	22620	22264	25	100	6	7
4-1/2	1/8	5/8-11	13,300	22630	22269	10	40	5	5
5	1/8	7/8	12,200	22622	22274	25	100	8	8
5	1/8	5/8-11	12,200	22632	22279	10	40	11	10
6	1/8	7/8	10,200	22623	-	25	100	11	-
6	1/8	5/8-11	10,200	22633	-	10	40	8	-
7	1/8	7/8	8,500	22624	22284	25	50	17	20
7	1/8	5/8-11	8,500	22634	22289	10	40	9	10
9	1/8	7/8	6,600	22626	22294	25	50	26	32
9	1/8	5/8-11	6,600	22636	22299	10	40	14	16



5/8-11 Super-Lock™ Hub



Angle Grinder



30° angle

Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055)



Also available: Pipeline Brushes pages 143-144



- Designed for both cutting and light grinding, eliminating the need for 2 separate wheels
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry
- Patented 3M™ ceramic abrasive grain formulation outlasts standard aluminum oxide wheels (Saitec™)

3M is a trademark of 3M Company



CUTTING INTRODUCTION

- This section contains cut-off wheels (Type 27 and Type 1).
- These wheels will cut a wide range of materials.
- Some of the categories contain Specialty Wheels that are used for a specific application.
- For example, our Stud King® Chop Saw Wheel is specifically designed to cut metal studding and thin gauge metals.

TYPE	TOOL	SPECIFICATIONS	PAGE
------	------	----------------	------

Thin High Speed Cut-Off Wheels



Die Grinder



Circular Saw



Angle Grinder

A24R
General Purpose

A36T

Long Life

A60S

Extremely fast cutting

A60T

Burr-free Cutting

Saitech™

Stainless Steel

44-45

.045, .090 & 1/16 High Speed Cut-Off Wheels



Angle Grinder



Circular Saw

A60S
General Purpose

A46N

Aluminum

SAIT.M.X.™

Fast burr-free cutting



XA46R
Contaminant-Free

Saitech™

Stainless Steel



34-39

.095 Combo Wheels – Cut, Notch, Deburr, and Light Grind



Angle Grinder



A60S
General Purpose

Z-Tech™
High Performance

40

3/32 & 1/8



Angle Grinder



A24R
General Purpose
Saitech Ultimate Performance™
High Purpose/Stainless Steel

C24R

Concrete

XA24Q




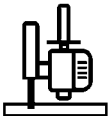





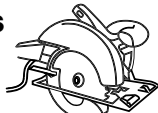
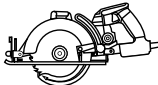








Contaminant-Free

41-43

CUTTING INTRODUCTION



CUTTING

TYPE	TOOL	SPECIFICATIONS	PAGE
<p>Portable Saw Cut-Off Wheels</p> 	 <p>Portable Saw</p>  <p>Circular Saw</p>  <p>Angle Grinder</p>	 <p>A24R General Purpose</p> <p>SAIT-Pro Metal & Concrete</p> <p>Brute™ Metal Decking</p> <p>A30S Long Life</p> <p>Hobo® Rail Steel</p> <p>Ductile™ Ductile Pipe</p> <p>C24R Concrete</p> <p>Big M.A.C.™ Masonry, Asphalt, Concrete</p>	<p>46 50-52</p>
<p>Chop Saw Wheels</p> 	 <p>Chop Saw</p>	 <p>EZ-Chop Attacker®</p> <p>EZ-Chop® General Purpose</p> <p>Stud King® Metal Studding</p> <p>Iron Worker™ Angle Iron</p> <p>Saitech™ Steel Worker® Aluminum</p>	<p>48-49</p>
<p>Metal-Cutting Carbide Blades</p> 	 <p>Circular Saw</p>  <p>Worm Drive Saw</p>  <p>Metal-Cutting Circular Saw</p>  <p>Low RPM Metal-Cutting Saw</p>	 <p>Thin Metal Xtra</p>  <p>STAINLESS ALUMINUM</p>	<p>56-59</p>
<p>Stationary Saw Cut-Off Wheels – 54-55</p>   <p>Stationary Saw</p>	<p>A24N Fast Cutting</p> <p>A24R General Purpose</p> <p>A36R Stainless Steel</p> <p>C24R Concrete</p>	<p>Street Saw Wheels – 53</p>   <p>Street Saw</p>	<p>C16 Fast Cutting</p> <p>C24R General Purpose</p> <p>Street Walker™ Asphalt</p> <p>Street Runner™ Asphalt, Green Concrete</p>

Cutting
.045"

TYPE 27
Depressed Center Wheels

PATENTED!

CUTTING

GENERAL PURPOSE



See pages 36-37 for Type 1 .045 wheels



A60S - General Purpose

- So unique it has a patent
- Thin .045 width
- Special aluminum oxide grain
- Hard bond for extremely long life
- **Fast, burr-free cutting**

.045TM

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)



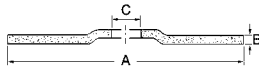
Now Available with 5/8-11 Hub!

A46N - Aluminum (Non-Ferrous Metals)

- Aluminum oxide grain
- Thin .045 width
- **Soft bond for aggressive cutting without loading**

.045TM

ALUMINUM Non-ferrous metals (aluminum, copper, brass, etc.)



Size			Max RPM	Grades Available		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		A60S	A46N			
4	.045	5/8	19,000	22011	22340	50	200	4
4-1/2	.045	7/8	13,300	22021	22345	50	200	4
4-1/2	.045	5/8-11	13,300	23318	23320	10	40	2
5	.045	7/8	12,200	22071	22350	50	200	6
5	.045	5/8-11	12,200	23305	23307	10	-	2
6	.045	7/8	10,200	22047	22360	50	200	8
7	.045	7/8	8,500	22053	22370	50	200	14

NEW!
NEW!



Angle Grinder



5/8-11 Hub



- Unique, thin Type 27 shape can be used on all angle grinders in accordance with ANSI B7.1
- Special aluminum oxide formulation offers the fastest cutting, longest lasting thin wheels
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel

TYPE 27 High Performance Wheels

Cutting .045"

PATENTED!



Z-Tech High Performance

- So unique it has a patent
- Thin .045 width
- Special zirconium grain
- Hard bond for extremely long life
- **Fast, burr-free cutting**

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)

STAINLESS Stainless steel, high tensile alloys

- High performance, ceramic aluminum oxide grain
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**
- So unique it has a patent
- Thin .045 width
- Fast cutting with long life

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)

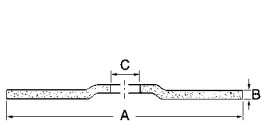
The Ultimate Cut™

- Best in class – cutting a wide range of **STAINLESS** thin & thick gauge, flat stock, bar stock, square tubing, etc.
- Exceptional cutting performance on

METAL ALUMINUM



Now Available with 5/8-11 Hub!



5/8-11 Hub

See pages 36-37 for Type 1 .045 wheels

Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Z-Tech™	Saittech™	Ult. Cut™			
4	.045	5/8	19,000	23333	22068	-	50	200	4
4-1/2	.045	7/8	13,300	23334	22072	22380	50	200	4
4-1/2	.045	5/8-11	13,300	23322	23319	23321	10	40	2
5	.045	7/8	12,200	23335	22073	22385	50	200	6
5	.045	5/8-11	12,200	23309	23306	23308	10	-	2
6	.045	7/8	10,200	23336	22082	22390	50	200	8
7	.045	7/8	8,500	23337	22088	-	50	200	14

NEW!
NEW!



Angle Grinder

Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055)

Tech INFO

- Manufactured with patented 3M™ ceramic abrasive grain to outlast standard aluminum oxide wheels (Saittech™)
- Thin cutting wheel in a Type 27 shape makes this perfect for your angle grinder
- Unique bonding system lets you make faster burr-free cuts
- Designed to provide very long life for fewer wheel changes and less downtime
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance

3M is a trademark of 3M Company

CUTTING

STAINLESS STEEL/HIGH PERFORMANCE

Cutting
.045"

TYPE 1
Thin High Speed Cut-Off

CUTTING

GENERAL PURPOSE/SPECIALTY



A60S - General Purpose .045™

- Thin .045 width
- Use with reusable 5/8-11 adaptor to fit angle grinders
- **Extremely fast cutting with long life**

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)



SAIT.M.X.™ (Ferrous Metals)

- Special bond for cutting sheet metal and other thin gauge metals
- **Fast, burr-free cutting**

METAL Ferrous metals (carbon steel, etc.)

STAINLESS Stainless steel



A46N - Aluminum (Non-Ferrous Metals)

- Aluminum oxide grain
- **Soft bond for aggressive cutting without loading**
- Use with reusable 5/8-11 adaptor to fit angle grinders

ALUMINUM Non-ferrous metals (aluminum, copper, brass, etc.)

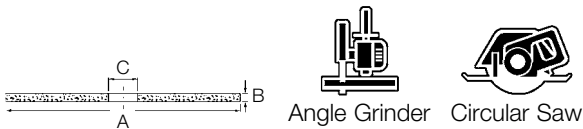


XA46R contaminant free

- Specially formulated for nuclear and food processing plants
- Free of iron, chlorine and sulphur compounds (Fe + Cl + S < 0.1%)
- All wheels are 1/16" thick

STAINLESS Stainless steel and other high tensile alloys

Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055)



Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers					
4	.045	5/8	19,000	23099	-	23304	50	200	4
4-1/2	.045	7/8	13,300	23101	23604	23314	50	200	4
5	.045	7/8	12,200	23103	23605	23315	50	200	6
6	.045	5/8	10,200	23105	-	23310	50	200	8
6	.045	7/8	10,200	23106	23606	23316	50	200	8
7	.045	5/8	8,500	23107	-	23317	50	200	14

Size			Max RPM	Part No.	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4-1/2	1/16	7/8	13,300	24251	50	200	7
5	1/16	7/8	12,200	24252	50	200	7
6	1/16	7/8	10,200	24253	50	200	14
7	1/16	7/8	8,500	24254	50	200	14



- Type 1 shape for square, burr-free cutting
- Special aluminum oxide formulation offers the fastest cutting, longest lasting thin wheels
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Wide range of sizes available to fit both angle grinders and circular saws
- Specially formulated for contaminant-free stock removal on stainless steel (XA46R)

TYPE 1 Thin High Speed Cut-Off

Cutting .045"



Z-Tech High Performance

- Special zirconium grain formula
- **Fast, non-binding cutting**

METAL Ferrous metals
STAINLESS Stainless steel, high tensile alloys

- High performance, ceramic aluminum oxide grain
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**
- Use with reusable 5/8-11 adaptor to fit angle grinders
- Combines **fast cutting with extremely long life**

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous and/or non-ferrous metals

The Ultimate Cut™

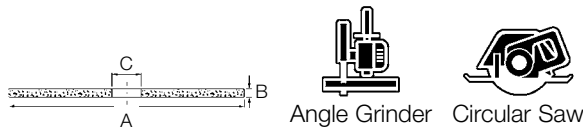
- Best in class – cutting a wide range of **STAINLESS** thin & thick gauge, flat stock, bar stock, square tubing, etc.
- Exceptional cutting performance on

METAL ALUMINUM



Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055)

See pages 34-35 for Type 27 depressed center .045 cutting wheels.



Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Z-Tech™	Saitech™	Ult. Cut™			
4	.045	5/8	19,000	23323	23172	-	50	200	4
4-1/2	.045	7/8	13,300	23324	23174	22230	50	200	4
5	.045	7/8	12,200	23325	23177	22235	50	200	6
6	.045	5/8	10,200	23326	23181	-	50	200	8
6	.045	7/8	10,200	23327	23182	22240	50	200	8
7	.045	5/8	8,500	23328	23184	-	50	200	14



- Type 1 shape for square, burr-free cutting
- Patented 3M™ ceramic abrasive grain formulation outlasts standard aluminum oxide wheels (Saitech™)
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Wide range of sizes available to fit both angle grinders and circular saws

3M is a trademark of 3M Company

CUTTING

STAINLESS STEEL/HIGH PERFORMANCE

Cutting

.090"

TYPE 27 Depressed Center Wheels

PATENTED!



CUTTING SPECIALTY

A60S

General Purpose

- Thin .090 width
- Special aluminum oxide grain
- Hard bond for extremely long life
- Excellent for notching and cutting

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)



Z-Tech

High Performance

- Tough zirconium grain
- High performance cutting and notching for the toughest applications

METAL Ferrous metals (iron, steel, welds, etc.)

STAINLESS Stainless steel, high tensile alloys

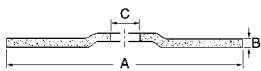
Saitech

Ultimate Performance™

- High performance, ceramic aluminum oxide grain
- Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut
- Combines fast cutting with extremely long life for tough cutting applications
- Ideal for foundry applications (gates, risers)

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)



Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers					
				A60S	Z-tech™	Saitech™			
4	.090	5/8	19,000	20902	20942	20922	25	100	4
4-1/2	.090	7/8	13,300	20903	20943	20923	25	100	4
4-1/2	.090	5/8-11	13,300	20913	20953	20933	10	40	5
5	.090	7/8	12,200	20904	20944	20924	25	100	6
5	.090	5/8-11	12,200	20914	20954	-	10	40	5
6	.090	7/8	10,200	20905	20945	20925	25	100	8
6	.090	5/8-11	10,200	20915	20955	20935	10	40	7
7	.090	7/8	8,500	20906	20946	20926	25	100	14
7	.090	5/8-11	8,500	20916	20956	20936	10	40	11
9	.090	7/8	6,600	20909	-	-	25	50	21
9	.090	5/8-11	6,600	20919	-	-	10	40	11



5/8-11 Hub



Angle Grinder

Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055)



- Unique, thin Type 27 shape can be used on all angle grinders in accordance with ANSI B7.1
- Special bond formulation offers the fastest cutting, longest lasting thin wheels
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Saitech™ is manufactured with patented 3M™ ceramic abrasive grain to outlast standard aluminum oxide wheels

TYPE 1 High Speed Cut-Off Wheels

Cutting
.090"



.090™

A60S - General Purpose

- Aluminum oxide grain
- Provides consistent performance with long life

METAL Ferrous metals
(steel, angle iron, rebar)



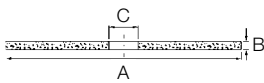
Sait Z-tech™

Z-tech High Performance

- Tough zirconium grain
- High performance cutting and notching for the toughest applications

METAL Ferrous metals
(iron, steel, welds)

STAINLESS Stainless steel,
high tensile alloys



Size			Max RPM	Grades Available		Qty Per Box	Qty Per Ctn	Lbs Per Box
A	B	C		Part Numbers				
Dia.	Width	Bore		A60S	Z-tech			
4	.090	5/8	19,000	23803	23823	25	100	4
4-1/2	.090	7/8	13,300	23804	23824	25	100	4
5	.090	7/8	12,200	-	23825	25	100	6
6	.090	7/8	10,200	23806	23826	25	100	8
7	.090	5/8	8,500	23807	23827	25	50	14



Circular Saw



Angle Grinder

**Tech
INFO**

- Type 1 shape for square, burr-free cutting
- Externally reinforced with the highest quality fiberglass to withstand the toughest applications
- Available in many arbor sizes to fit a wide variety of tools

CUTTING

SPECIALTY

Combo

TYPE 27

.095" Cut, Notch, Deburr, & Light Grind

4 APPLICATIONS WITH JUST 1 WHEEL

Less Wheel Changes = Greater Productivity

CUTTING

COMBO



1 in 1 THE ULTIMATE™ **combo**
CUT - NOTCH - DEBUR - LIGHT GRIND

A60S - General Purpose **NEW!**

- Aluminum oxide grain
- Provides consistent performance with long life for cutting, notching, deburring, & light grinding

METAL Ferrous metals (steel, angle iron, rebar)



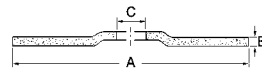
Z-Tech High Performance **NEW!**

- Tough zirconium grain
- High performance cutting, notching, deburring, and light grinding for the toughest applications

METAL Ferrous metals (iron, steel, welds)

STAINLESS Stainless steel, high tensile alloys

.095"
4 Applications
1 Wheel!



Angle Grinder



Angle Grinder

Size			Max RPM	Grades Available		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		A60S	Z-tech			
4-1/2	.095	7/8	13,300	22320	22330	25	100	3
4-1/2	.095	5/8-11	13,300	22420	22430	10	40	4
5	.095	7/8	12,200	22325	22335	25	100	4



- Increases Productivity: 1 wheel to cut, notch, deburr, and light grind
- 2 formulas for a wide variety of production applications and maintenance work.
- Additional reinforcement for added strength and versatility

TYPE 27 Specialty Cutting Wheels

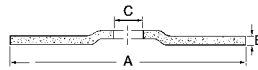
Cutting 3/32"



A24R - General Purpose

- Aluminum oxide grain
- For general purpose use
- Combines fast cutting and long life

METAL Ferrous metals (iron, steel, welds, etc.)



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
3	1/8	3/8	18,000	22000	25	100	2
4	1/8	3/8	13,500	22010	25	100	3
4-1/2	3/32	7/8	13,300	22020	25	100	5
4-1/2	3/32	5/8-11	13,300	22120	10	40	7
5	3/32	7/8	12,200	22070	25	100	6
5	3/32	5/8-11	12,200	22170	10	40	7
6	1/8	7/8	10,200	22045	25	100	25
7	3/32	7/8	8,500	22056	25	100	14
7	3/32	5/8-11	8,500	22057	10	40	9
9	3/32	7/8	6,600	22066	25	50	22
9	3/32	5/8-11	6,600	22067	10	40	12

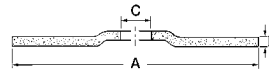


Z24R - Zirconium

- Tough zirconium grain
- High performance cutting for the toughest applications

METAL Ferrous metals (iron, steel, welds)

STAINLESS Stainless steel, high tensile alloys



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4-1/2	3/32	7/8	13,300	22641	25	100	7
4-1/2	3/32	5/8-11	13,300	22651	10	40	5
5	3/32	7/8	12,200	22643	25	100	6
5	3/32	5/8-11	12,200	22653	10	40	5
6	3/32	7/8	10,200	22644	25	25	10
6	3/32	5/8-11	10,200	22654	10	40	7
9	3/32	7/8	6,600	22646	25	50	22
9	3/32	5/8-11	6,600	22656	10	40	12



- For use on angle grinders
- Aggressive cutting performance over a wide range of applications
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance

CUTTING

SPECIALTY

CUTTING
STAINLESS STEEL

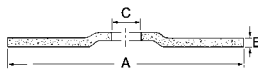


Saitech Ultimate Performance™

- High performance, ceramic aluminum oxide grain
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**
- Combines **fast cutting with extremely long life** for tough cutting applications
- Ideal for foundry applications (gates, risers)

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4-1/2	3/32	7/8	13,300	22064	25	100	7
4-1/2	3/32	5/8-11	13,300	22069	10	40	5
5	3/32	7/8	12,200	22074	25	100	7
5	3/32	5/8-11	12,200	22079	10	40	5
7	3/32	7/8	8,500	22084	25	100	13
7	3/32	5/8-11	8,500	22089	10	40	10
9	3/32	7/8	6,600	22094	25	50	21
9	3/32	5/8-11	6,600	22099	10	40	11



- Manufactured with patented 3M™ ceramic abrasive grain to outlast standard aluminum oxide wheels
- Unique bonding system lets you make faster burr-free cuts
- Designed to provide very long life for fewer wheel changes and less downtime
- **Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry**

TYPE 27 Depressed Center Wheels

Cutting
1/8"

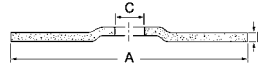


C24R - Concrete

- Silicon carbide grain
- General purpose cutting, hard bond for long life

CONCRETE Masonry, concrete, stone

METAL Cast iron and other ferrous metals



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4	1/8	5/8	13,500	22017	25	100	3
4-1/2	3/32	7/8	13,300	22025	25	100	5
4-1/2	3/32	5/8-11	13,300	22125	10	40	7
5	1/8	5/8-11	12,200	22141	10	40	5
7	1/8	7/8	8,500	22050	25	100	14
7	1/8	5/8-11	8,500	22051	10	40	9
9	1/8	7/8	6,600	22060	25	50	22
9	1/8	5/8-11	6,600	22061	10	40	12



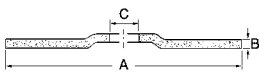
XA24Q - Contaminant-Free

- Specially formulated for nuclear and food processing plants
- Free of iron, chlorine and sulphur compounds (Fe + Cl + S < 0.1%)

STAINLESS Stainless steel and other high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)

contaminant **cf** free



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
4-1/2	1/8	7/8	13,300	24310	25	100	5
5	1/8	7/8	12,200	24315	25	100	5
6	1/8	7/8	10,200	24320	25	100	8
7	1/8	7/8	8,500	24325	25	50	13
9	1/8	7/8	6,600	24330	25	50	20



Angle Grinder



- Special silicon carbide grain formula is excellent for cutting masonry, concrete, stone, and aggregate (C24R)
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry
- Specially formulated for contaminant-free stock removal on stainless steel (XA24Q)

CUTTING

STAINLESS STEEL/CONCRETE

Cutting



Circular Saw



Angle Grinder

TYPE 1

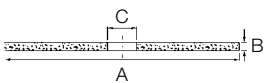
Thin High Speed Cut-off

CUTTING

GENERAL PURPOSE



* These sizes are typically used for tool room applications



Size			Max RPM	Grades Available Part Numbers			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		A36T	A60S	A60T			
4-1/2	.045	7/8	13,300	-	23101	-	50	200	4
5	.045	7/8	12,200	-	23103	-	50	200	2
6	1/16	1/2	10,186	23202	-	23203	50	50	8
6	1/16	5/8	10,186	23200	-	23201	50	50	8
6	.035	1/2	10,186	23206	-	23207	50	50	5
6	.035	7/8	10,186	23210	-	23211	50	50	5
6	.035	5/8	10,186	23204	-	23205	50	50	5
6	.045	5/8	10,200	-	23105	-	50	200	4
6	.045	7/8	10,200	-	23106	-	50	200	4
7*	1/16	1-1/4	8,732	23250	-	23251	50	50	12
7	1/16	5/8	8,732	23265	-	23266	50	50	6
7*	.035	1-1/4	8,732	23252	-	23253	50	50	4
7	.045	5/8	8,500	-	23107	-	50	200	4
8	1/16	5/8	7,640	23275	-	23276	50	50	7
8*	1/16	1-1/4	7,640	23277	-	23278	50	50	7

A24R - General Purpose

- Aluminum oxide grain
- General purpose, long life

METAL Ferrous metals (iron, steel, welds, etc.)

A36T - Fast Cutting

- Aluminum oxide grain
- Hard bond for aggressive cutting on rough applications

METAL Ferrous metals (iron, steel, welds, etc.)

STAINLESS Stainless steel

A60S

- Thin .045 width
- Use with reusable 5/8-11 adaptor to fit angle grinders
- Extremely fast cutting with long life

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)

A60T - Burr Free

- Hard bond for smooth cutting
- For use in nuclear, aerospace, automotive, foundry industries, and plant maintenance

METAL Ferrous metals (iron, steel, welds, etc.)

STAINLESS High tensile metals



Quick Tip

Try .045 sizes for longer life and better value



- Type 1 shape for square, burr-free cutting
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel
- Wide range of grit sizes available for aggressive action to burr-free cutting

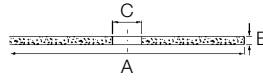
TYPE 1

Thin High Speed Cut-off Wheels

Cutting



Die Grinder

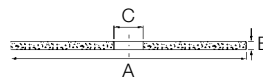


For items A24R, A36T, A60S, and A60T see descriptions on page 44

Size			Max RPM	Grades Available				Qty Per Box	Qty Per Ctn	Lbs Per Box								
A Dia.	B Width	C Bore		Part Numbers														
			A24R				A36T				A60S				A60T			
2	1/16	1/4	30,558	-	23004	-	23005	50	50	1								
2	1/16	3/8	30,558	-	23002	-	23003	50	50	1								
2	.035	1/4	30,558	-	23012	-	23013	100	100	1								
2	.035	3/8	30,558	-	23010	-	23011	100	100	1								
2-1/2	1/16	1/4	24,446	-	23022	-	23023	50	50	2								
2-1/2	1/16	3/8	24,446	-	23020	-	23021	50	50	2								
2-1/2	.035	1/4	24,446	-	23032	-	23033	100	100	2								
2-1/2	.035	3/8	24,446	-	23030	-	23031	100	100	2								
3	1/16	1/4	25,000	-	23042	-	23043	50	50	3								
3	1/16	3/8	25,000	-	23040	-	23041	50	50	3								
3	.035	1/4	25,000	-	23052	-	23053	100	100	3								
3	.035	3/8	25,000	-	23050	-	23051	100	100	3								
3	1/8	3/8	20,372	23060	-	-	-	25	100	2								
4	1/16	1/4	19,000	-	23067	-	23068	50	50	5								
4	1/16	3/8	19,000	-	23065	-	23066	50	50	5								
4	1/16	5/8	19,000	-	23061	-	23062	50	50	5								
4	.035	1/4	19,000	-	23071	-	23072	100	100	5								
4	.035	3/8	19,000	-	23069	-	23070	100	100	5								
4	.035	5/8	19,000	-	23063	-	23064	100	100	5								
4	.045	5/8	19,000	-	-	23099	-	50	200	4								
4	1/8	3/8	15,278	23075	-	-	-	25	100	4								



1/4" shank adaptors for wheels up to 3" diameter available on page 153



Saitech Ultimate Performance™

- High performance, ceramic aluminum oxide grain
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**
- High Performance
- Combines fast cutting with extremely long life

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous and/or non-ferrous metals

Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
3	1/16	1/4	25,000	23142	50	50	2
3	1/16	3/8	25,000	23140	50	50	2
3	.035	1/4	25,000	23152	100	100	3
3	.035	3/8	25,000	23150	100	100	3
4	1/16	1/4	19,000	23167	50	50	4
4	1/16	3/8	19,000	23165	50	50	4
4	1/16	5/8	19,000	23161	50	50	4
4	.035	1/4	19,000	23171	100	100	5
4	.035	3/8	19,000	23169	100	100	5
4	.035	5/8	19,000	23163	100	100	5



- Type 1 shape for square, burr-free cutting
- Patented 3M™ ceramic abrasive grain formulation outlasts standard aluminum oxide wheels (Saitech™)
- Externally reinforced with fiberglass layers to provide ultimate safety in a thin wheel

3M is a trademark of 3M Company

CUTTING

STAINLESS STEEL/METAL

Cutting



Circular Saw



Angle Grinder

TYPE 1 Portable Saw Cut-off Wheels

A24R - General Purpose

- Aluminum oxide grain
- Provides consistent performance with **long life**

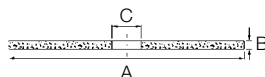
METAL Ferrous metals (steel, angle iron, rebar)

A30S - Long Life

- Special aluminum oxide grain formula
- **Fast, non-binding cutting**

METAL Ferrous metals

STAINLESS Stainless steel, high tensile alloys

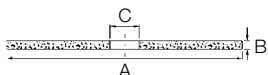


Size			Max RPM	Grades Available		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers				
4-1/2	5/64	7/8	13,300	-	23102	50	200	9
4-1/2	3/32	7/8	13,300	23100	-	50	200	10
5	5/64	Dia. (5/8)	12,200	-	23226	50	200	11
7	3/32	5/8	8,500	23230	-	25	50	10
7	3/32	Dia. (5/8)	8,500	23234	-	25	50	10
7	3/32	7/8	8,500	23232	-	25	50	10
8	3/32	Dia. (5/8)	7,600	23258	-	25	50	13

C24R - Concrete

- Silicon carbide grain
- **Long life**

CONCRETE Stone, brick, soft aggregate, masonry, concrete



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
6-1/2	3/32	Dia (5/8)	8,500	23223	25	50	7
7	3/32	7/8	8,500	23233	25	50	9
7	3/32	Dia (5/8)	8,500	23235	25	50	9
7	3/32	5/8	8,500	23231	25	50	9
8	3/32	7/8	7,600	23257	25	50	11
8	3/32	5/8	7,600	23255	25	50	11



- Type 1 shape for square, burr-free cutting
- External fiberglass reinforcement withstands offhand lateral pressure for added safety and controlled performance

CUTTING

METAL/CONCRETE

Large Diameter Cutting Wheels

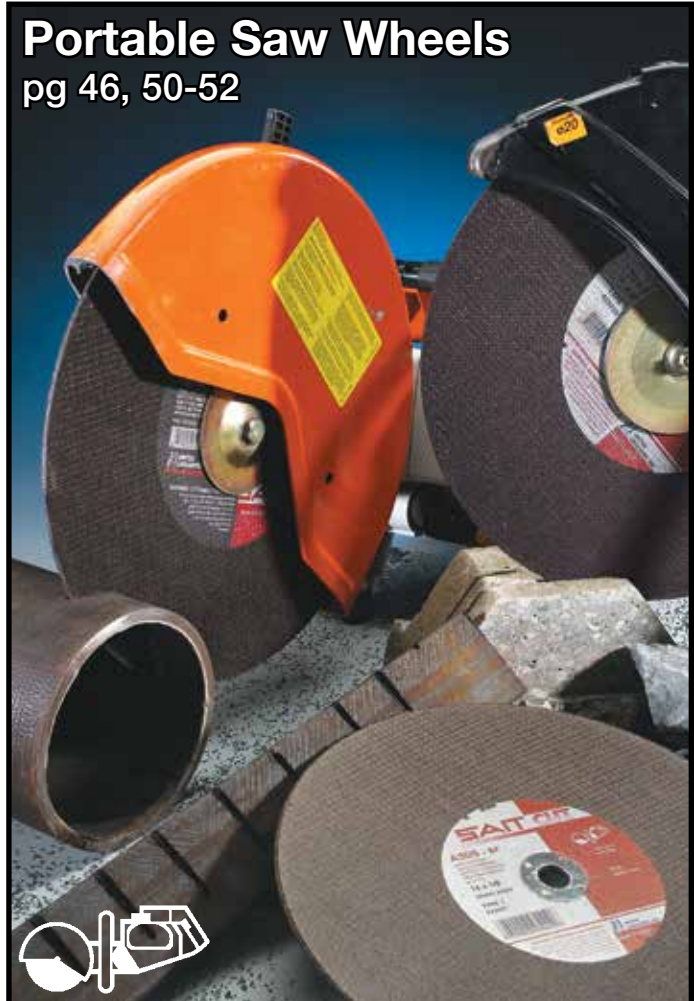
Chop Saw Wheels

pg 48-49



Portable Saw Wheels

pg 46, 50-52



Stationary Saw Wheels

pg 54-55



Street Saw Wheels

pg 53





CUTTING

GENERAL PURPOSE



SAIT EZ-Chop Attacker®

- Aluminum oxide grain
- General purpose economy cutting
- **Fast cutting on thin metals**

METAL Metal studding, thin rebar, light gauge and medium metals



Quick Tip

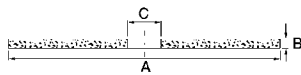
Use this wheel as an economical alternative for general purpose cutting.



SAIT EZ-Chop®

- Aluminum oxide grain
- General purpose cool cutting on thin metals
- **Burr-free finish**

METAL Metal studding, thin rebar, light gauge and heavy metals



Size			Max RPM	Part Numbers		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		EZ-Chop Attacker®	EZ-Chop®			
12	3/32	1	5,100	-	24034	10	50	11
14	3/32	1	4,400	24500	24039	10	20	16



- EZ-Chop Attacker® is the most economical general purpose chop saw blade
- Specially formulated ultrathin design for fast cutting of thin gauge metals and heavy metals
- EZ-Chop® is externally reinforced with the highest quality fiberglass to withstand the toughest applications

TYPE 1 Chop Saw Wheels

Cutting



Chop Saw



TM

Z-tech - High Performance

- Special zirconium grain formula
- **Fast, non-binding cutting**

METAL Ferrous metals

STAINLESS Stainless steel, high tensile alloys

Stud King®

- Aluminum oxide grain
- General purpose cool cutting on thin metals
- **Burr-free finish**

METAL Metal studding, thin rebar, light gauge metals

Iron Worker™

- Aluminum oxide grain
- **Fast cutting**
- Excellent for use on angle iron, channel iron, heavy rebar, and other ferrous metals

METAL Structural metal applications

Saitech Steel Worker®

- Formulated with 3M™ ceramic abrasive grain
- Extremely fast, burr-free cutting

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous metals (steel, iron, welds, etc.)

Non-Ferrous Metals (Aluminum)

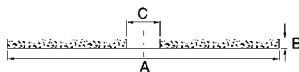
- Aluminum oxide grain
- Special **non-loading formulation**

METAL Non-ferrous metals (aluminum, bronze, brass, etc.)



Quick Tip

Use the Steel Worker® for fast, cool cutting on stainless steel.



Size			Max RPM	Grades Available					Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers							
				Z-Tech™	S.K.	I.W.	Saitech™	Alum.			
10	3/32	5/8	6,100	-	24035	-	-	-	25	50	20
12	3/32	1	5,100	-	24030	24031	24033	-	10	50	11
14	3/32	1	4,400	24414	24050	24051	24053	24052	10	20	16
16	3/32	1	3,700	-	24010	24011	24013	-	10	20	23



- Specially formulated for use on low horsepower chop saw machines for fast cutting with minimal pressure
- Five specialty formulas give you the exact wheel for your cutting application
- 14" Z-tech is internally reinforced with the highest quality fiberglass to withstand the toughest applications



TYPE 1 Portable Saw Cut-off Wheels



A24R - General Purpose/Durability

- Special aluminum oxide grain
- Provides consistent performance with long life

METAL Ferrous metals (steel, angle iron, rebar)

XFC™ - Extremely Fast Cutting

- Special aluminum oxide grain formula
- Fast cutting action
- Non-binding cutting formula

METAL Ferrous metals

STAINLESS Stainless steel, high tensile alloys

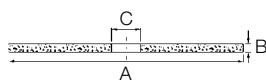


SAIT Pro - Metal

- Aluminum oxide grain
- Best value for a fast cut

METAL Ferrous metals

All 14" and 16" portable wheels now formulated for high powered saws



Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers					
				A24R	SAIT Pro	XFC™			
12	1/8	1	6,300	23410	23414	-	10	50	13
12	1/8	20mm	6,300	23420	23421	-	10	50	14
14	1/8	1	5,400	23450	24135	24150	10	20	19
14	1/8	20mm	5,460	23455	24140	24160	10	20	24
16	1/8	1	4,800	23459	-	-	10	20	30

14" (20mm) with higher RPM rating for STIHL saws



- Type 1 shape for square, burr-free cutting
- Externally reinforced with the highest quality fiberglass to withstand the toughest applications
- Available in many arbor sizes to fit a wide variety of tools

TYPE 1

Portable Saw Cut-off Wheels

Cutting



Portable Saw

Brute™

- Long life
- Extremely hard bond for cutting metals that present a very sharp edge to the wheel

METAL Thin metal, sheet metal, decking, other ferrous metals

HOBO®

- For use on high horsepower machines
- Rugged fiberglass reinforcement for maximum safety
- Excellent for the railroad industry

METAL Mainline, secondary, spur rail steel
Also for use on heavy sections of ferrous metals (I-beams, bar stock, etc.)

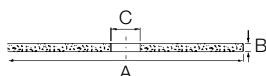


Ductile™

- Combination aluminum oxide and silicon carbide formulation

METAL Ductile pipe (very hard steel casing enclosing a cement lining), water mains, etc.

CONCRETE Combination metal/concrete, cast iron, hard metals, concrete coated steel, etc.



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
Brute™							
12	1/8	1	6,300	23412	10	50	15
12	1/8	20mm	6,300	23422	10	50	14
14	1/8	1	5,400	23452	10	20	22
14	1/8	20mm	5,460	23457	10	20	18
HOBO®							
14	1/8	1	5,400	23501	10	20	22
16	1/8	1	4,800	23502	10	20	30
Ductile™							
12	1/8	1	6,300	23415	10	50	15
12	1/8	20mm	6,300	23425	10	50	15
14	1/8	1	5,400	23453	10	20	22
14	1/8	20mm	5,460	23458	10	20	22
16	1/8	1	4,800	23480	10	20	30



Quick Tip

Use the Ductile™ wheel for extra hard metals, hydraulic hose and PVC pipe.

All 14" and 16" portable wheels now formulated for high powered saws

14" (20mm) with higher RPM rating for STIHL saws



- Type 1 shape for square, burr-free cutting
- Externally reinforced with the highest quality fiberglass to withstand the toughest applications
- Available in many arbor sizes to fit a wide variety of tools

CUTTING

SPECIALTY



CUTTING
CONCRETE



SAIT Pro - Concrete

- Silicon carbide grain
- **Best value for a fast cut**

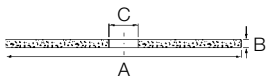
CONCRETE Stone, brick, soft aggregate, masonry, concrete



BIG M.A.C.™ - Very Long Life

- Special silicon carbide grain
- **Superior cutting action**
- 40% longer life than general purpose concrete wheels

CONCRETE Masonry, Asphalt, Concrete



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
12	1/8	1	6,300	23413	10	50	12
12	1/8	20mm	6,300	23423	10	50	12
14	1/8	1	5,400	23451	10	20	16
14	1/8	20mm	5,460	23456	10	20	15
16	1/8	1	4,800	23461	10	20	30

C24R - Concrete

- Silicon carbide grain
- **Long life**

CONCRETE Stone, brick, soft aggregate, masonry, concrete, schedule 40 and schedule 80 PVC pipe

BIG M.A.C.™							
A Dia.	B Width	C Bore	Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
12	1/8	1	6,300	23460	10	50	14
12	1/8	20mm	6,300	23462	10	50	14
14	1/8	1	5,400	23463	10	20	18
14	1/8	20mm	5,460	23464	10	20	18

SAIT Pro							
A Dia.	B Width	C Bore	Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
12	1/8	1	6,300	23418	10	50	12
12	1/8	20mm	6,300	23427	10	50	12
14	1/8	1	5,400	24122	10	20	16
14	1/8	20mm	5,460	24127	10	20	15

All 14" and 16" portable wheels now formulated for high powered saws

14" (20mm) with higher RPM rating for STIHL saws



- External fiberglass reinforcement withstands offhand lateral pressure for added safety and controlled performance
- Special silicon carbide grain formula provides excellent cutting action on masonry, concrete, stone and aggregate

TYPE 1 Street Saw Wheels

Cutting



Street Saw

Premium Formula Outlasts Competition!



CUTTING

CONCRETE

C16

- Silicon carbide grain
- **Fast, free cutting**

CONCRETE Green concrete, asphalt

Street Walker™

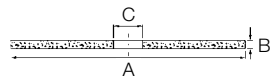
- Silicon carbide grain
- **Hot pressed wheel**
- Combines **fast cutting with long life**

CONCRETE Concrete, green concrete, asphalt

Street Runner™

- Silicon carbide grain
- **Hot pressed wheel**
- Extremely dense wheel with coarse grain
- **Combines fast cutting with extra-long life**

CONCRETE Green concrete and asphalt



Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Number					
				C16	S.W.	S.R.			
14	1/8	1	4,400	24045	-	-	10	20	19
14	3/16	1	4,400	24061	-	-	5	10	12
14	1/4	1	4,400	24066	-	-	5	10	16
14	3/16	1	4,365	-	24120	-	10	50	27
14	1/4	1	4,365	-	24121	-	10	50	36
18	1/4	1	3,000	-	-	24145	5	25	35

All wheels have a pinhole



- All wheels have a pinhole for mounting on various machines, street saws, etc.
- These wheels can be used with cooling sprays for dust-free cutting needs
- The Street Walker™ blade is an excellent economical alternative to cutting with diamond blades



CUTTING
GENERAL PURPOSE



A24N - Fast Cutting

- Aluminum oxide grain
- General purpose
- Soft bond for **fast stock removal**

METAL Ferrous metals (iron, cast iron, etc.)

STAINLESS Low grade stainless steel

A24R - Long Life

- Aluminum oxide grain
- General purpose, **long life**

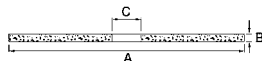
METAL Ferrous metals (iron, steel, angle iron, etc.)

A36R - Burr-Free

- Aluminum oxide grain
- A finer grit for **burr-free finish**

METAL Ferrous metals (metal tubing, etc.)

STAINLESS Stainless steel, high tensile steel



Size			Max RPM	Grades Available			Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers					
10	1/8	5/8	6,100	-	-	24002	25	50	23
12	1/8	1	5,100	-	24020	-	10	50	14
14	1/8	1	4,400	-	24040	-	10	20	19
16	5/32	1	3,800	-	24070	-	10	20	29
18	3/16	1	3,400	24081	24080	24082	5	20	22
20	3/16	1	3,000	24091	24090	24092	5	20	27
24	1/4	1	3,150	24101	24100	24102	5	15	49



- Type 1 shape for square, burr-free cutting
- Maximum grain exposure to cut through large diameter solid stock
- Internal fiberglass reinforcement for maximum safety and controlled performance
- Dual external mounting area reinforcement on 14" - 24" wheels

TYPE 1

Stationary Saw Cut-off Wheels

Cutting



Stationary Saw

C24R - Concrete

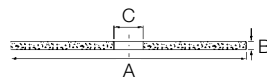
- Silicon carbide grain
- General purpose, **long life**
- Square cutting

CONCRETE Masonry, concrete, stone, brick



CUTTING

CONCRETE



Size			Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore					
10	1/8	5/8	6,100	24003	25	50	23
10	1/8	1	6,100	24007	25	50	23
12	1/8	1	5,100	24023	10	50	14
16*	5/32	1	3,800	24073	10	20	29
18	3/16	1	3,400	24083	5	20	22

* with Pinhole



- Special grain to fiberglass ratio provides added safety and excellent cutting performance on heavy-duty stationary saws
- Cutting wheels are balanced to provide straight, even cuts for alignment and aesthetics

METAL-CUTTING CARBIDE BLADES



Low RPM Metal
Cutting Saw

Long Life

Cool Cutting

Fast, Burr-Free Cutting

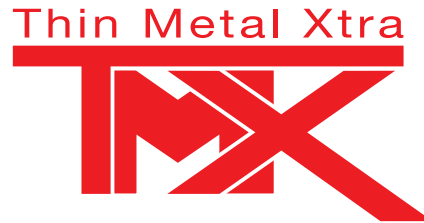
KEY FEATURES

- Designed for use on professional metal-cutting saws
- Premium micro grain carbide: Smaller grains mean more carbide per tooth – stays sharp and provides longer life over competitive blades
- Cuts cool and fast
- Reduced fire hazards and less dust: Metal blades cut cleanly with minimal sparks

Metal-Cutting Carbide Blades



Cool cutting action
with long life



Fast, burr free cutting on:

- Angle Iron
- Rebar
- Steel Plate
- Channel Iron
- Pipe
- Threaded Rod
- C-Channel
- And other ferrous metals

Fast, burr free cutting on:

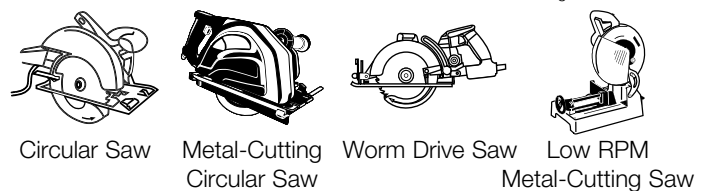
- Thin Metals
- Metal Studs
- Duct Work
- Sheet Metals
- Galvanized Roofing
- Thin Walled Pipe
- Conduit
- Strut Channel

STEEL WORKER®	Diameter	Teeth	Grind	Arbor	RPM	Machine
77915	5-3/8 137mm	30	MTCG	20mm (10mm & 5/8" Bushing)	4,200	
77920	6-1/2 165mm	40	TCG	5/8 16mm	5,800	
77936	7 178mm	36	TCG	20mm	5,800	
77930	7-1/4 184mm	40	MTCG	5/8 16mm Diamond	5,800	
77940	8 203mm	42	MTCG	5/8 16mm Diamond	5,800	
77947	9 229mm	48	TCG	1 26mm	3,200	
77953	10 254mm	52	TCG	5/8 16mm	5,200	
77962	12 305mm	60	TCG	1 26mm	2,000	
77972	14 356mm	72	MTCG	1 26mm	1,800	

*Low RPM Metal Cutting Saw

TMX	Diameter	Teeth	Grind	Arbor	RPM	Machine
77921	6-1/2 165mm	48	ATB	5/8 16mm	5,800	
77931	7-1/4 184mm	68	ATB	5/8 16mm Diamond	5,800	
77965	12 305mm	80	MTCG	1 26mm	2,000	*
77975	14 356mm	90	MTCG	1 26mm	1,800	*

*Low RPM Metal Cutting Saw



NOTE

- Blades must be run in the direction of the arrow as indicated on the blade.

TYPICAL END USERS/INDUSTRIES

- **STEEL WORKER®:** Steel Fabricators, Electricians, Welding, Weld Shops, Plumbers, Power Generation, Metal Contractors, Manufacturing/Fabrication, Maintenance/Repair
- **TMX - Thin Metal Extra:** General Contractors, Plumbers, Roofing Contractors, Maintenance/Repair, Electricians, Power Generation Contractors, Heating and Air Conditioning

Metal-Cutting Carbide Blades

STAINLESS

Cool cutting action with long life and minimal distortion



Fast, burr free cutting on:

- Tubing, bars, pipe, and stainless steel plate

STAINLESS	Diameter	Teeth	Grind	Arbor	RPM	Machine
77938	7 178mm	48	TCG	20mm	5,800	
77933	7-1/4 184mm	48	TCG	5/8 16mm Diamond	5,800	
77977	14 356mm	90	MTCG	1 26mm	1,800	*

*Low RPM Metal Cutting Saw

ALUMINUM

Cool cutting action with long life and minimal melting of aluminum



Fast, burr free cutting on:

- Aluminum, other non-ferrous metals and pipe

ALUMINUM	Diameter	Teeth	Grind	Arbor	RPM	Machine
77917	5-3/8 137mm	50	ATB	20mm (10mm & 5/8" Bushing)	4,200	
77922	6-1/2 165mm	60	ATB	5/8 16mm	5,800	
77937	7 178mm	54	ATB	20mm	5,800	
77932	7-1/4 184mm	60	ATB	5/8 16mm Diamond	5,800	
77942	8 203mm	60	TCG	5/8 16mm Diamond	5,800	
77955	10 254mm	80	TCG	5/8 16mm	5,200	*
77966	12 305mm	80	TCG	1 26mm	2,000	*
77976	14 356mm	80	ATB	1 26mm	1,800	*

*Low RPM Metal Cutting Saw

NOTE

- Blades must be run in the direction of the arrow as indicated on the blade.

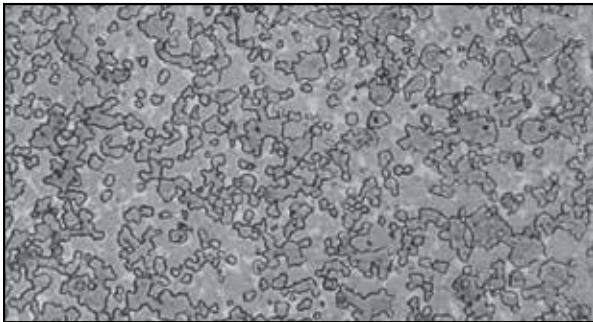
TYPICAL END USERS/INDUSTRIES

- **Stainless:** Stainless Steel Contractors / Fabricators, Water Treatment Contractors, Kitchen Equipment Manufacturing, Power Generation Contractors
- **Aluminum:** Aluminum Contractors, Aluminum Foundries, Aluminum Grating and Fencing Contractors

Metal-Cutting Carbide Blades

Technical Data

CARBIDE GRAIN STRUCTURE



SAIT Carbide Matrix

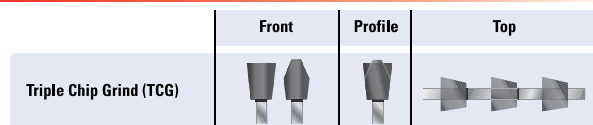
Consistent size of carbide grains.
More carbide per tooth as grains are smaller.
Smaller grain = harder tooth, more durability.



Competitor Carbide Matrix

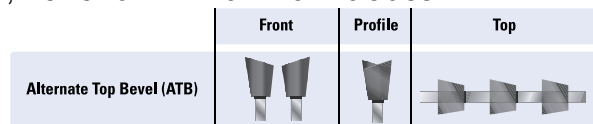
Very inconsistent size of carbide grains.
Less life due to larger grain sizes.

TOOTH CONFIGURATION



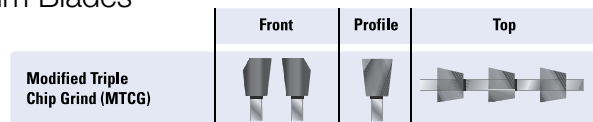
Triple Chip Grind (TCG):

- **FEATURE:** Maximizes blade life by reducing the size of the metal chips that are produced during the cutting operations. Also provides maximum tooth strength for longer life.
- **BENEFIT:** Cleaner and cooler cuts and less stress on material being cut.
- **WHERE USED:** Steelworker® (all sizes), 7-1/4" Stainless, 8", 10" and 12" Aluminum blades



Alternate Top Bevel (ATB)

- **FEATURE:** A multi-purpose grind that allows for durable, long life as well as productive work across a wide range of materials.
- **BENEFIT:** Clean, easy cutting without binding in the material.
- **WHERE USED:** 6-1/2" and 7-1/4" TMX, and 14" Aluminum Blades



Modified Triple Chip Grind (MTCG):

- **FEATURE:** Excels at reducing chip size for more effective cutting of material. Also improves cutting tooth durability.
- **BENEFIT:** Lower heat build-up and less blade stress while cutting.
- **WHERE USED:** 12" and 14" TMX and 14" Stainless Steel Blades

BLADE OPERATION TIPS

- Be sure to mount the blade with the rotational arrow positioned the same direction as the tool rotates
- Follow circular saw manufacturer's warnings and instruction manual
- Check blade prior to use for any visible cracks, loose or missing teeth, etc. and change blade if found
- Use blade only on recommended material
- Mount blade between designated sides of blade washers matching arbor size and shape
- Always wear ANSI-approved eye protection and proper protective equipment
- Always wear gloves
- Adjust foot-plate of the saw to proper depth (check circular saw manual - 3 teeth exposed below material surface is a common rule of thumb)
- Always work in a clean and unobstructed work environment
- Never operate saw without working blade guard
- Do not use excessive pressure when cutting (this causes the blade to wear prematurely)
- Tighten blade bolt as instructed by saw manufacturer



Circular Saw Angle Grinder



Available in a variety of sizes and styles for common cutting applications.

DIAMOND

DIAMOND



Continuous Rim (CR)

- Continuous uniform rim for smooth, dry and wet cutting of tiles and ceramic materials
- Longer lasting and faster cutting
- For use on small diameter electric saws

C Tile:

- Thin .060 for precise tile cutting

Tile & Ceramic

Size			Max RPM	Part No.	Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		C Tile CR			
4-1/2	.060	7/8	13,300	48721	1	1	1
4-1/2	.060	5/8	13,300	48521	1	1	1



Serrated Rim (Turbo)

- Continuous rim with alternating serrations for fast, cool cutting
- Smooth cutting of almost any aggregate material
- For use on small diameter electric saws

CE/CC:

- CE is for general purpose cutting
- CC is a longer lasting and faster cutting premium wheel

CONCRETE Concrete, ceramic, granite, brick, blocks, marble

Size			Max RPM	Part Number		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Turbo CE Prem	Turbo CC Prem +			
4-1/2	.090	7/8	13,300	48701	48711	1	1	1
4-1/2	.090	5/8	13,300	48501	48511	1	1	1
5	.090	7/8	12,200	48702	48712	1	1	1
5	.090	5/8	12,200	48502	48512	1	1	1
7	.090	7/8	8,500	48704	48714	1	1	1
7	.090	5/8	8,500	48504	48514	1	1	1



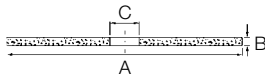
Segmented Rim (Laser)

- Segmented rim allows for a cool cutting
- Laser welded, segmented wheels

LU/LV:

- LU is for general purpose dry cutting
- LV is a longer lasting and faster dry cutting premium wheel
- **For use on small diameter electric saws**

CONCRETE Concrete, ceramic, granite, brick, blocks, marble

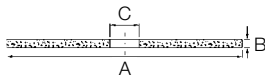


Size			Max RPM	Part Number		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Laser LU Prem	Laser LV Prem +			
4-1/2	.090	7/8	13,300	48731	48741	1	1	1
4-1/2	.090	5/8	13,300	48531	48541	1	1	1
5	.090	7/8	12,200	48732	48742	1	1	1
5	.090	5/8	12,200	48532	48542	1	1	1
7	.090	7/8	8,500	48734	48744	1	1	1
7	.090	5/8	8,500	48534	48544	1	1	1

Premium/Premium+ 12 & 14 inch

- Premium is a general purpose dry and wet fast cutting blade
- Premium Plus is a longer lasting dry and wet faster cutting premium wheel
- **For use on high speed gasoline and electric hand held saws**

CONCRETE Concrete, ceramic, granite, brick, blocks, marble



Size			Max RPM	Part Number		Qty Per Box	Qty Per Ctn	Lbs Per Box
A Dia.	B Width	C Bore		Prem	Prem +			
12	.110	1	5,100	48767	48757	1	1	6
12	.110	20mm	5,100	48567	48557	1	1	6
14	.125	1	4,300	48768	48758	1	1	7
14	.125	20mm	4,300	48568	48558	1	1	6



- Premium quality diamond for exceptional cutting and long life
- Laser welded bonding to the metal core on segmented wheels for cutting wet or dry
- Specifications available in general purpose wheels and premium wheels



Die Grinder



Angle Grinder

A24 UA-MTX

- Aluminum oxide grain
- UA-MTX tough resin combined with coarse grit
- **Excellent for light or medium weld removal**

STAINLESS Stainless steel

ALUMINUM Non-ferrous metals

METAL Ferrous metals

A36 UA-GFX

- UA-GFX latex bond for weld blending
- Resilient for use on contours, non-loading

STAINLESS Stainless steel

ALUMINUM Non-ferrous metals

METAL Ferrous metals

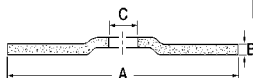
A54 UA-GFX

- UA-GFX latex bond for weld blending and finishing

STAINLESS Stainless steel

ALUMINUM Non-ferrous metals

METAL Ferrous metals



Size			Max RPM	Grades Available			Qty Per Box	Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers				
4	1/4	5/8	13,500	-	29201	29202	10	3
4-1/2	1/4	7/8	13,300	29206	29207	29208	10	3
7	1/4	7/8	8,500	29212	29213	29214	10	9

Cotton Fiber Mounted Points

- A54MTX - Resin Bond - light removal/blending
- A80GFX - Latex Bond - finer grit for ultimate finishing

STAINLESS Blending on stainless steel, high tensile alloys

ALUMINUM Non-ferrous metals

METAL Ferrous metals

Type	Size		Shank Dia.	Part No.		"O" = 1/2" Max RPM	Qty Per Box
	Dia.	Length		A54MTX	A80GFX		
A5	3/4	1-1/8	1/4	50560	50360	38,550	10
B42	1/2	3/4	1/4	50561	50361	61,120	10
B52	3/8	3/4	1/4	50562	50362	78,340	10
B121	1/2	1/2	1/4	-	50363	69,310	10
B122	3/8	3/8	1/4	-	50364	69,310	10
W163	1/4	1/2	1/4	-	50365	33,750	10
W189	1/2	2	1/4	50566	50366	26,830	10
W220	1	1	1/4	-	50367	25,500	10
W222	1	2	1/4	-	50368	15,900	10



RA (roughness average) Values

Grinding/Blending Wheels	304 Stainless Steel	6061 Aluminum
A24UA-MTX	140 RA	N/A
A36UA-GFX	40 RA	130 RA
A54UA-GFX	30 RA	80 RA

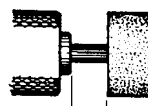


Quick Tip

These wheels work great on aluminum without clogging or loading.



Mandrel overhang "O" must always be the lowest possible. Maximum speeds given refer to overhang "O" equal to 1/2"



"O" = 1/2"



- Multiple layers of cotton impregnated with abrasive grain and special bonding agents allow for the coolest blending and finishing wheels
- Special cotton formula will never load on soft non-ferrous metals like aluminum
- Available in two bonding agents for use in many applications



Die Grinder



Portable Grinder

SAIT-LOK-R™ discs are made of multiple layers of cotton fiber abrasive impregnated material. These quick change discs produce a smooth finish in one step.

Finishing discs

A24M

- Aluminum oxide grain
- Coarse grit with medium flexibility for aggressive action

STAINLESS Blending on stainless steel, high tensile alloys

ALUMINUM Non-ferrous metals

METAL Ferrous metals

A36F

- Medium grit with higher flexibility for smoother action

STAINLESS Blending on stainless steel, high tensile alloys

ALUMINUM Non-ferrous metals

METAL Ferrous metals

A54F

- Fine grit with higher flexibility for finishing

STAINLESS Blending on stainless steel, high tensile alloys

ALUMINUM Non-ferrous metals

METAL Ferrous metals

A80F

- Finer grit for ultimate finishing

STAINLESS Blending on stainless steel, high tensile alloys

ALUMINUM Non-ferrous metals

METAL Ferrous metals



Nylon screw threaded hub for easy mounting to the backing pad

See page 155 for backing pad

RA (roughness average) Values

Sait-Lok-R™		
Specification	304 Stainless Steel	6061 Aluminum
A24M	70 RA	90 RA
A36F	40 RA	60 RA
A54F	30 RA	50 RA
A80F	20 RA	45 RA



Deburring wheels

A54GFX/A54MTX

- Fine grit with higher flexibility for finishing

STAINLESS Deburring of stainless steel, high tensile alloys

ALUMINUM Non-ferrous metals

METAL Ferrous metals

Size	Max RPM	Part Numbers				Qty Per Box	Lbs Per Box
		A24M	A36F	A54F	A80F		
2	30,000	50300	50301	50302	50303	25	1
3	20,000	50308	50309	50310	50311	25	2

Dia.	Size		Max RPM	Grades Available		Qty Per Box	Lbs Per Box
	A	B		Part Numbers			
	Width	Bore		A54GFX	A54MTX		
3	1/16	3/8	18,000	-	29310	10	1
3	1/8	3/8	12,000	29312	-	10	1
4	1/8	3/8	9,075	29322	-	10	1



- Multi-layer disc configuration provides longer life than coated abrasive discs
- Cotton fiber abrasive material will not smear on titanium and stainless steel
- Outlasts coated discs 10 to 1 for less downtime and increased productivity

HAND/FLOOR RUBS



Hand Rub

The vitrified bonding technique uses a high temperature process whereby abrasive materials are heated to a point where the grains fuse to each other, forming the bond posts. Vitrified products, although somewhat brittle, are not affected by water, oil, most acids, or temperature changes. Used primarily for precision and fixed-feed applications, they are particularly well suited for bench grinders and offhand tool room applications.



Hand and Floor Rubs

- Removes form marks

CONCRETE Concrete

- Configurations available:

Plain - For cleaning castings and dressing bench grinding wheels

Fluted - For extra shearing action

Handle - For extra comfort and working overhead

Scored - Breaks into two 4 x 2 x 2 floor rubs

Packaging

Each box of HR202 and FR521 contains 6 wood wedges

Additional wood wedges, see page 156

Type	Size			Description	Grade	Part Number	Qty Per Box	Lbs Per Box
	Length	Width	Height					
HR202	4	2	2	Plain	C24R	25010	6	7
HR241	6	2	2	Fluted	C24R	25020	5	10
HR242	8	2	2	Fluted	C24R	25030	5	12
HR252	6	3	1	Handle	C24R	25040	5	10
HR250	8	3-1/2	1-1/2	Handle	C24R	25050	5	19
FR521	8	2	2	Scored	C10R	25060	3	14
FR521	8	2	2	Scored	C24R	25061	3	14
FR521	8	2	2	Scored	C80R	25062	3	14

Tech
INFO

- Vitrified bond for long life
- Available in several configurations for a wide range of cleaning and dressing applications

BENCH WHEELS



Bench Grinder

A

- Aluminum oxide grain
- General purpose
- For sharpening tools and light stock removal

METAL Ferrous metals
(carbon steel, steel, iron, forgings, etc.)

GC

- Green silicon carbide grain
- Extremely sharp grain for faster, burr-free cutting
- Use on carbide tipped tools, cast iron

METAL Ferrous and/or non-ferrous metals



Reduction bushings enclosed with each wheel

Wheel Size	Bushings
6"	3/4, 5/8, 1/2
7"	3/4, 5/8, 1/2
8"	3/4, 5/8
10"	1, 3/4
12"	1-1/4, 1
14"	1-1/4, 1

Aluminum Oxide

Size			Max RPM	Grades Available					Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers					
				A24	A36	A46	A60	A80	
6	1/2	1	4,138	-	28003	-	28004	28005	1-1/2
6	3/4	1	4,138	-	28000	-	28001	28002	2
6	1	1	4,138	-	28006	-	28007	28008	2-1/2
7	3/4	1	3,600	-	28010	-	28011	28012	2-1/2
7	1	1	3,600	-	28013	-	28014	28015	3-1/2
8	3/4	1	3,600	-	28020	-	28021	28022	3-1/2
8	1	1	3,600	-	28023	-	28024	28025	4-1/2
10	1	1-1/4	2,483	-	28040	28043	28041	28042	7
10	1-1/2	1-1/4	2,483	-	28050	28053	28051	28052	10
12	2	1-1/2	2,069	28060	28063	28061	28062	-	19-1/2
14	2	1-1/2	1,773	28070	28073	28071	28072	-	28

Green Silicon Carbide

Size			Max RPM	Grades Available			Lbs Per Box
A Dia.	B Width	C Bore		Part Numbers			
				GC60	GC80	GC120	
6	3/4	1	4,138	28100	28101	28102	1-1/2
6	1	1	4,138	28103	28104	28105	2
7	1	1	3,600	28113	28114	28115	2-1/2
8	1	1	3,600	28123	28124	28125	3-1/2
10	1	1-1/4	2,483	28140	28141	28142	6-1/2
12	2	1-1/2	2,069	28160	28161	28162	19-1/2
14	2	1-1/2	1,773	28170	28171	-	28



- Vitrified bond for long life
- Available in two formulations for a wide range of applications
- Individually packaged for safety and convenience

VITRIFIED

VITRIFIED

COATED ABRASIVES

INTRODUCTION

What is a Coated Abrasive?

A coated abrasive is a product that consists of a thin layer of abrasive grain attached to a substrate such as paper, cloth, etc. Coated abrasives come in a variety of forms such as sheets, discs, rolls, specialties, or belts.



Components of Coated Abrasives

Abrasive Grains

Coated abrasives are manufactured using abrasive grains; the most common are aluminum oxide, zirconium, ceramic, silicon carbide and garnet. The crude grains are crushed and separated into sizes, called grit sizes, using calibrated screens. Grits range from 12 (very coarse) to 1200 (very fine). Once the grains are separated into sizes, they are attached to a backing material using various bond techniques. Below are descriptions of the most common abrasive grains:

Ceramic:

A high performance, man-made abrasive material. Very uniform, high density grain structure is extremely durable and self sharpening for longer life and cooler cut. Excels on tough to grind materials.

Aluminum Oxide:

A tough, blocky shaped, man-made grain used for high speed grinding and finishing of metals, wood, and other high tensile strength materials without excessive fracturing or shedding. Wherever the ability to resist fracturing is the main consideration, aluminum oxide will outperform all other coated abrasive grains.

Zirconium:

A very fine, dense, man-made crystalline grain which can be used for aggressive stock removal. Zirconium is a very dense material with a unique self-sharpening characteristic which gives it long life on heavy stock removal operations.

Silicon Carbide:

A very hard, very sharp, man-made abrasive suited for non-ferrous materials and non-metallic materials such as concrete, marble and glass. A very friable grain, silicon carbide cuts faster under light pressure than any other grain used in coated abrasives.

Garnet:

Garnet is made of natural aluminum oxide which is a relatively sharp, but very weak bonding structure. Very inconsistent when compared to synthetics. It is used primarily in woodworking as garnet dulls too quickly to be used in metalworking.

Backing Materials (Substrates)

Below are the four major types of backing materials:

Paper

Specialized technical papers are used as substrates for coated abrasives. They are identified by letters representing weight and flexibility:

“A” and “B” weights are light weight and highly flexible. “C”, “D”, “E”, “F” weights are medium to heavy weight for more strength and less flexibility.

Cloth

Cloth backings are more durable than paper backings. There are several types of cloth backings: cotton (ie: Egyptian), polyester and polyester-cotton blends. Cloth backings are identified by weight and flexibility:

“F” weight (J-Flex) is light and highly flexible. This lighter weight is suitable for cleaning, finishing, and polishing.

“J” weight (Jeans) is highly flexible and suitable for cleaning, finishing, and polishing of contour surfaces.

“X” weight (Drills) is medium to heavy weight for more strength and durability. It has low flexibility suitable for grinding, deburring and finishing.

“H” (Heavy Duty) is a heavier weight than “X” weight. It has low flexibility and is suitable for heavy duty grinding and deburring applications. Excellent edge stability.

Fiber

Fiber backing is a tough vulcanized material made from rag stock. This backing is usually used for abrasive fiber discs.

Combination

Combination backing is laminated paper and cloth, and is very sturdy and shock resistant. Combination backings typically are used for a wide range of grits and mounting techniques.

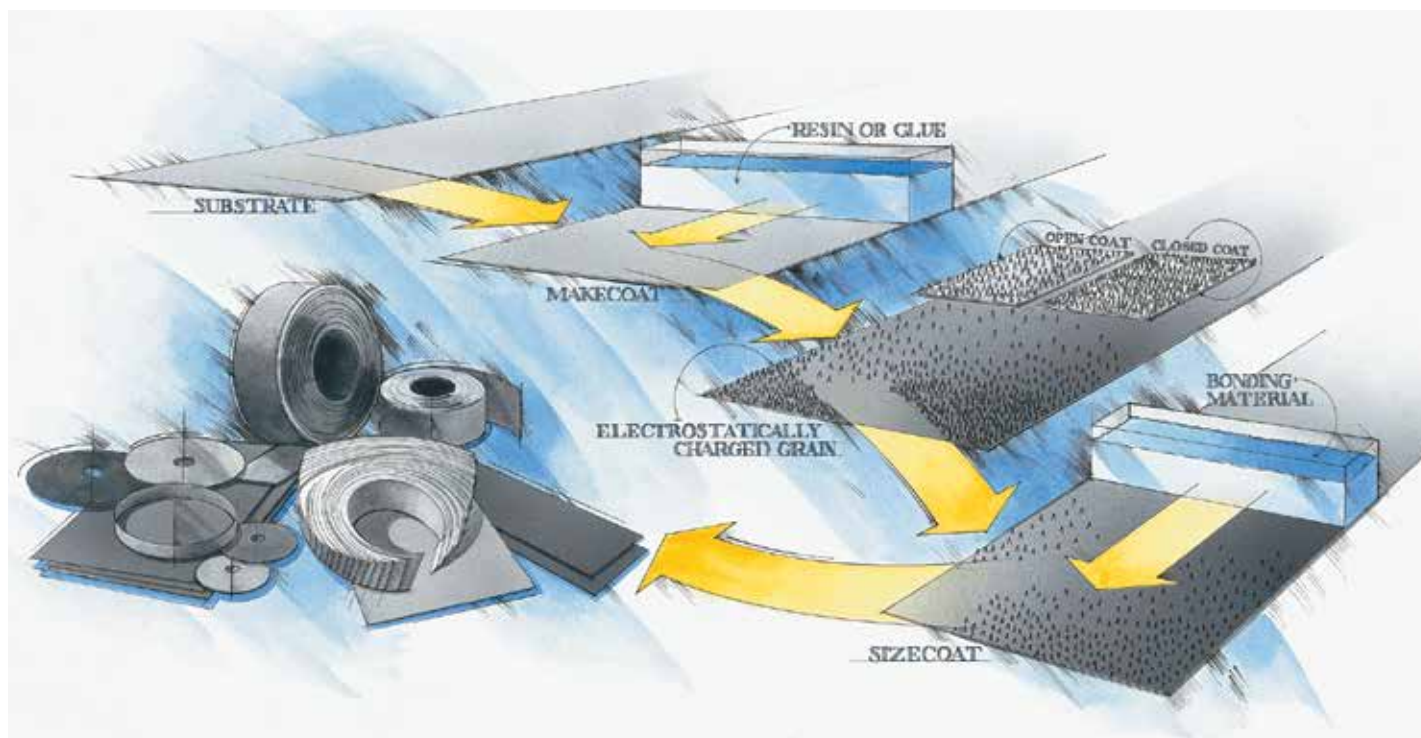
Other Backing Materials

There are also a variety of other substrates such as nylon fiber or screens that can be coated for special applications. Non-woven nylon impregnated with abrasive grain is another substrate that can be used for cleaning, polishing, or blending.

Making Coated Abrasives



- One of the world's most modern, **highly automated, and state-of-the-art** coated abrasives production facilities.
- We use only the **highest quality raw materials**, which are stored in an environmentally controlled area. These include grains, backings (such as paper, cotton, cotton-polyester and polyester materials) as well as resins and glues used in the process.
- Our coated abrasives are cured in the latest, most updated, temperature controlled ovens to ensure that we produce a **consistent and quality finished product**, which is rigorously monitored every step of the way by our world renowned quality control department.
- SAIT Abrasives has been the world leader in producing the best quality coated abrasives for over 50 years!



COATED
ABRASIVES

Storage and Handling

Incorrect storage of coated abrasives will significantly affect performance. All types of backings are susceptible to variations in temperature and humidity during storage:

- Keep stockroom at constant levels of humidity (35-50%) and temperature (60-80° F)
- Keep cartons away from damp or cold walls and floors where they may absorb moisture
- Store coated abrasives away from any heat source
- Keep products in original packages for easy handling and stacking
- Flap wheels removed from the original packaging should be spread out on a clean shelf, always placed face down, never resting on edge
- Fiber discs removed from the original packaging should be stored in a suitable disc holder and kept under pressure
- Store bulk rolls flat on shelves or pallets, not on edge
- Belts removed from packing case should be rolled up and stood on edge on a clean shelf. They may be draped over a large cylinder but never hang a belt from a nail or peg (the backing will crease and the abrasive coat will crack)
- Precondition the coated abrasive products in a humidity and temperature controlled environment before use for maximum efficiency

Coated Application Chart

Product	Structure	Adhesive	Backing/Weights	Form									
				Sheets	Rolls	SAIT-Saver	Quick Ship	Blue Line Belts	Custom Belt	Discs	Fiber Discs	Specialties	
Cloth- Belts													
LA-X	Closed	Resin over Resin	X-Weight Cloth			•							
1A-X	Closed	Resin over Resin	X-Weight Cloth				•	•					
2A-X	Closed	Resin over Resin	X-Weight Cloth				•	•	•				
3A-X	Closed	Resin over Resin	X-Weight Cloth					•					
AO-X	Open	Resin over Resin	X-Weight Cloth				•	•	•				
2A-H	Closed	Resin over Resin	H-Weight Polyester					•					
C-W	Closed	Resin over Resin	X-Weight Cloth				•	•	•				
Z-H	Closed	Resin over Resin	H-Weight Polyester				•	•	•				
3Z-H	Closed	Resin over Resin	H-Weight Polyester					•					
AZ-X	Closed	Resin over Resin	X Weight Poly/Cotton							•			
Cloth- Other													
Aluminum Oxide (AOX)	Open/Closed	Resin over Resin	J-Flex, J, X cloth	•	•	•	•					•	•
DA-F	Open	Resin over Resin	J-Flex Cloth		•								•
EA-F	Open	Resin over Resin	J-Flex Cloth	•	•								
TA-X	Closed	Resin over Resin	X Weight Cloth										•
2A-X	Closed	Resin over Resin	X Weight Cloth										•
3A-X	Closed	Resin over Resin	X Weight Cloth										•
Zirconium	Closed	Resin over Resin	X Cloth, H Polyester										•
3Z-H	Closed	Resin over Resin	H Polyester										•
AZ-X	Closed	Resin over Resin	X Weight Poly/Cotton				•						
Paper- Other													
Zirconium (Z-F)	Closed	Resin over Resin	F									•	
Aluminum Oxide (A-E)	Open	Resin over Resin	E									•	
Aluminum Oxide (AW-D & AW-C)	Open/Closed	Resin over Resin	C, D	•								•	
Stearate Aluminum Oxide (3S)	Open	Resin over Resin	C	•								•	
Stearate Aluminum Oxide (4S/4V)	Open	Resin over Resin	C	•								•	
Silicon Carbide (CW-C)	Open/Closed	Resin over Resin	C	•								•	
Silicon Carbide (C-E/C-F)	Closed	Resin over Resin	E, F									•	
Garnet	Open	Glue over Glue		•									
Fiber													
7S & 8S (Ceramic)	Closed	Resin over Resin											•
9S (Ceramic)	Closed w/ Coolants	Resin over Resin											•
AO (Aluminum Oxide)	Open	Resin over Resin											•
2A (Aluminum Oxide)	Closed	Resin over Resin											•
3A (Aluminum Oxide)	Closed w/ Coolants	Resin over Resin											•
Z (Zirconium)	Closed	Resin over Resin											•
3Z (Zirconium)	Closed w/ Coolants	Resin over Resin											•
C (Silicon Carbide)	Closed	Resin over Resin											•
Screens													
Silicon Carbide	N/A	Resin over Resin	Cloth screen impregnated with Silicon Carbide	•	•	•	•					•	
Non-Woven													
Aluminum Oxide/Silicon Carbide	N/A	N/A	Non woven nylon	•								•	
Silicate Compounds	N/A	N/A	Non woven nylon	•									
Buffing Discs	N/A	N/A	Buffing Cloth									•	
Combination													
Silicon Carbide	Open/Closed	Resin over Glue	Paper/Cloth		•	•	•					•	

COATED ABRASIVES

Coated Application Chart

Wet	Dry	Application
		<ul style="list-style-type: none"> General purpose, metalworking and woodworking Ordinary and alloyed steel, ferrous and non-ferrous metals, cast iron, wood Ordinary and alloyed steel, ferrous and non-ferrous metals, cast iron, wood Stainless steel and other heat sensitive materials, aluminum Ferrous, non-ferrous metals (steel, iron, aluminum, copper), wood, plastic, fiberglass Ordinary and alloyed steel, ferrous and non-ferrous metals, cast iron Hard cast iron, aluminum, glass, ceramics, marble and stone Ordinary and alloyed steel, cast iron, aluminum, stainless steel Stainless steel and other heat sensitive materials, aluminum Ordinary and alloyed steel, cast iron, aluminum, stainless steel, wood
		<ul style="list-style-type: none"> Ferrous, non-ferrous metals (steel, iron, aluminum, copper), wood, plastic, fiberglass Ordinary and alloyed steel, ferrous and non-ferrous metals, cast iron, wood Ordinary and alloyed steel, ferrous and non-ferrous metals, cast iron, wood Ordinary and alloyed steel, ferrous and non-ferrous metals, cast iron, wood Ordinary and alloyed steel, ferrous and non-ferrous metals, cast iron, wood Stainless steel and other heat sensitive materials, aluminum Ordinary and alloyed steel, cast iron, aluminum, stainless steel Stainless steel and other heat sensitive materials, aluminum Wood floors
		<ul style="list-style-type: none"> Ferrous, non-ferrous metals, wood, plastic, fiberglass, sealers, fillers, paint, body filler Ferrous, non-ferrous metals, wood, plastic, fiberglass, sealers, fillers, paint, body filler Ferrous, non-ferrous metals, wood, plastic, fiberglass, sealers, fillers, paint Automotive-Sealers, body filler, paint, fiberglass, aluminum Automotive-Sealers, body filler, paint, fiberglass, aluminum Body filler, paint, fiberglass, glass, wood, varnish, plastic, ceramics, marble, ferrous and non-ferrous metals Marble, granite, solid surface, ceramics, glass, fiberglass Soft woods
		<ul style="list-style-type: none"> High tensile steels, titanium, ferrous, non-ferrous metals Stainless steel, high tensile steels, titanium, aluminum, ferrous, non-ferrous metals Ferrous, non-ferrous metals, wood, fiberglass Ferrous, non-ferrous metals, wood, fiberglass Stainless steel, high tensile steels, titanium, aluminum, ferrous, non-ferrous metals Ferrous and non-ferrous metals, stainless steel, high tensile steels Stainless steel, high tensile steels, titanium, aluminum, ferrous, non-ferrous metals Glass, marble, ceramic, ferrous and non-ferrous metals
		<ul style="list-style-type: none"> Fiberglass, body filler, paint, cement, ceramic, marble, wood, varnish, ferrous, non-ferrous metals
		<ul style="list-style-type: none"> Ferrous and non-ferrous metals, stainless steel, aluminum, wood, tile, rust and paint removal, cleaning welds Ferrous and non-ferrous metals, paint, varnish, ceramic, fiberglass, plastic, formica Buffing stainless steel, carbon steel, aluminum, non-ferrous metals
		<ul style="list-style-type: none"> Wood floors

Description of Backing Materials

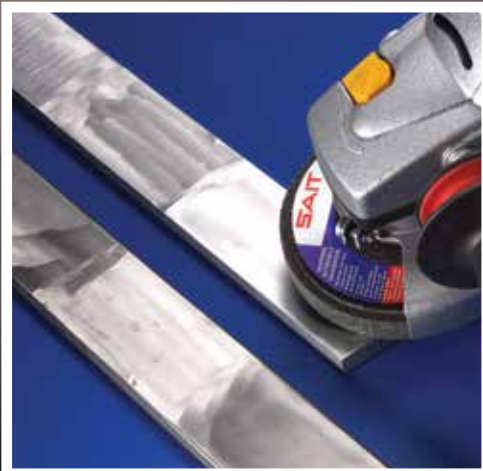
Backing	Flexibility
Cloth	
F	Lightest and most flexible
J	Very flexible
X	Medium to heavy weight Low flexibility
H	Heavier weight than "X" Low flexibility
Paper	
A	Lightest and most flexible
B	Heavier weight and less flexible than "A" weight
C	Medium weight and flexibility
D	Heavier weight and less flexible than "C" weight
E	Heavy Duty, low flexibility
F	Heavy Duty, extremely low flexibility

COATED ABRASIVES

Coated Abrasives



Non-Woven Abrasives



BLENDING & FINISHING (COATED - PG. 66)

Fiber Discs



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Flap Discs



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Coated, Non-Woven & Accessories



BELTS INTRODUCTION

- Belt offering encompasses a variety of abrasive types, lengths and widths, and grits, to cover a multitude of belt sanding needs.
- Belts are made with the highest quality industrial materials and a strong bi-directional tape splice.
- The selection of grain types and backing material is engineered to each application.
- Available in the Quick Ship™ or Blue Line™ programs, as well as Made-To-Order.



Quick Ship™ Belts

- These belts are the most popular in terms of the industrial user.
- Each package of belts is shrink-wrapped in quantities of 10.

Materials Available

Z-H (zirconium)
 1A-X/2A-X (closed coat aluminum oxide)
 AO-X (open coat aluminum oxide)
 C-W (silicon carbide wet/dry belts)

Available Grits

24-80
 24-320
 24-180
 60-220

See pages 74-77 for further information



Blue Line™ Belts

- These belts are the most popular sizes and packaged for retail.
- Supplied in either 5 or 10 belts per box, depending on grit.
- Specially designed boxes lend themselves to being displayed - either on pegboard hooks or shelving.

Materials Available

Z-H (zirconium)
 1A-X/2A-X (closed coat, aluminum oxide)
 AO-X (open coat aluminum oxide)
 C-W (silicon carbide wet/dry belts)

Available Grits

24-80
 24-320
 24-180
 60-220

See pages 74-76 for further information



SAIT-Saver™ Belts

- Economic alternative for portable belts.
- Available in aluminum oxide, closed coat material.
- Each package is shrink-wrapped in quantities of 10.

Materials Available

LA-X (closed coat, aluminum oxide)

Available Grits

40-120

See pages 74-77 for further information

Custom (Made-To-Order) Belt Program

- Broad product offering (economy Aluminum Oxide and Silicon Carbide to premium Zirconia Alumina).
- Custom made to your exact width (up to 18"), length, material, and grit.

See page 78 for further information

COATED
ABRASIVES

BELTS

BELTS

INTRODUCTION



- Stock belt program provides the most popular industrial and commercial belt sizes in an easy to order program.
- The following materials are available through this program.



Zirconia Alumina Cloth

<p>Z-H 24-80 Grit Range Closed Coat</p>	<ul style="list-style-type: none"> • Zirconia alumina abrasive material. • H-weight, waterproof polyester backing for heavy duty grinding and finishing. • For use on ferrous and non-ferrous metals, cast iron, aluminum, and stainless steel.
--	--



Aluminum Oxide Cloth

<p>1A-X/2A-X 24-400 Grit Range Closed Coat</p>	<ul style="list-style-type: none"> • Semi-friable (1A-X)/heat-treated (2A-X) aluminum oxide grain. • X-weight cotton backing. • For general purpose grinding and finishing. • For use on alloyed steels, ferrous and non-ferrous metals, cast iron and wood.
---	--

<p>AO-X 24-180 Grit Range Open Coat</p>	<ul style="list-style-type: none"> • Semi-friable aluminum oxide grain. • X-weight cotton backing. • For general purpose, open coat grinding, polishing and finishing of materials that have the tendency to load. • For use on non-ferrous metals, aluminum and wood.
--	--

<p>LA-X - SAIT-Saver™ 40-120 Grit Range Closed Coat</p>	<ul style="list-style-type: none"> • Semi-friable aluminum oxide grain. • X-weight cotton backing. • For low cost grinding and finishing of alloyed steels, ferrous and non-ferrous metals, cast iron and wood. • Used exclusively in SAIT-Saver™.
--	--



Silicon Carbide Cloth

<p>C-W 60-220 Grit Range Closed Coat</p>	<ul style="list-style-type: none"> • Silicon carbide grain. • Waterproof X-weight cotton backing. • For grinding and finishing hard cast iron, aluminum, glass, ceramics, non-ferrous metals, plastics, rubber, marble and stone.
---	--

COATED
ABRASIVES

BELTS



Portable Sander



File Sander



Backstand Sander



Benchstand Sander

BELTS

Closed Coat
Aluminum
Oxide

Closed Coat
Zirconium

Closed Coat
Aluminum
Oxide

Closed Coat
Aluminum
Oxide

Open Coat
Aluminum
Oxide

Closed Coat
Zirconium

Closed Coat
Silicon
Carbide

Size	Grit	1AX/2AX Quick Ship™ Part No.	ZH Quick Ship™ Part No.
1/4 x 18	36	60016	64016
	40	60017	64017
	50	60018	64018
	60	60019	64019
	80	60020	64020
	100	60021	
	120	60022	
1/4 x 24	36	60030	64030
	40	60031	64031
	50	60032	64032
	60	60033	64033
	80	60034	64034
	100	60035	
3/8 x 13	36	61121	
	40	61122	
	50	61123	
	60	61124	
	80	61125	
	100	61126	
	120	61127	
1/2 x 12	36	60044	
	40	60045	
	50	60046	
	60	60047	
	80	60048	
	100	60049	
1/2 x 18	36	60058	64058
	40	60059	64059
	50	60060	64060
	60	60061	64061
	80	60062	64062
	100	60063	
	120	60064	
1/2 x 24	36	60086	64086
	40	60087	64087
	50	60088	64088
	60	60089	64089
	80	60090	64090
	100	60091	
3/4 x 18	36	60114	64114
	40	60115	64115
	50	60116	64116
	60	60117	64117
	80	60118	64118
	100	60119	
3/4 x 20-1/2	36	60128	64128
	40	60129	64129
	50	60130	64130
	60	60131	64131
	80	60132	64132
	100	60133	
1 x 12	36	60141	
	40	60142	
	60	60144	
	80	60145	
	100	60146	
	120	60147	
	1 x 21	36	60254
40		60255	
50		60256	
60		60257	
80		60258	
100		60259	
120	60260		

Size	Grit	1AX/2AX Quick Ship™ Part No.	LA-X SAIT-Saver™ Part No.	AO-X Quick Ship™ Part No.	Z-H Quick Ship™ Part No.	C-W Quick Ship™ Part No.	
1 x 30	24			63200			
	36	61094		63201			
	40	61095		63202			
	50	61096		63203			
	60	61097		63204			
	80	61098		63205			
	100	61099		63206			
	120	61100		63207			
	150			63208			
	180			63209			
	1 x 42	24			63210		
		36	60310		63211	58152	
40		60311	60623	63212	58153		
50		60312	60624	63213	58154		
60		60313	60625	63214	58155	58000	
80		60314	60626	63215	58156	58001	
100		60315	60627	63216		58002	
120		60316	60628	63217		58003	
150		60317		63218		58004	
180		60318		63219		58005	
220		60319				58006	
240		60320					
320	60322						
1-1/2 x 60	36	61133					
	40	61134					
	60	61136					
	80	61137					
	100	61138					
	120	61139					
	2 x 48	24			63220		
36		60506		63221			
40		60507		63222			
50		60508		63223			
60		60509		63224			
80		60510		63225			
100		60511		63226			
120		60512		63227			
180				63229			
2 x 60	36	60520			64520		
	40	60521			64521		
	50	60522			64522		
	60	60523			64523		
	80	60524			64524		
	100	60525					
2 x 72	36	60534			64534		
	40	60535			64535		
	50	60536			64536		
	60	60537			64537		
	80	60538			64538		
	100	60539					
	120	60540					
2 x 132	36	60576					
	40	60577					
	50	60578					
	60	60579					
	80	60580					
	100	60581					
	120	60582					
2-1/2 x 14	36			63280			
	40		63381	63281			
	50		63382	63282			
	60		63383	63283			
	80		63384	63284			
	100		63385				
120		63386		63286			

COATED
ABRASIVES

BELTS

BELTS



Benchstand Sander

Portable



Portable Sander

Size	Grit	Closed Coat Aluminum Oxide	Closed Coat Aluminum Oxide	Closed Coat Aluminum Oxide	Open Coat Aluminum Oxide	Open Coat Aluminum Oxide	Closed Coat Zirconium	Closed Coat Zirconium	Closed Coat Silicon Carbide
		1AX/2AX Blue Line™ Part No.	1AX/2AX Quick Ship™ Part No.	LA-X SAIT-Saver™ Part No.	AO-X Blue Line™ Part No.	AO-X Quick Ship™ Part No.	Z-H Blue Line™ Part No.	Z-H Quick Ship™ Part No.	C-W Blue Line™ Part No.
2-1/2 x 60	36		61108					65108	
	40		61109					65109	
	50		61110					65110	
	60		61111					65111	
	80		61112					65112	
	100		61113						
	120		61114						
3 x 18	24	57100				63230			
	36	57101				63231			
	40	57102				63232			
	50	57103				63233			
	60	57104				63234			
	80	57105				63235			
	100	57106				63236			
	120	57107				63237			
	150	57108				63238			
	180	57109							
	220	57110							
	240	57111							
320	57113								
3 x 21	24	57200			58160				
	36	57201	60604		58161		58112		
	40	57202	60605	55342	58162		58113		
	50	57203	60606	55343	58163		58114		
	60	57204	60607	55344	58164		58115		58200
	80	57205	60608	55345	58165		58116		58201
	100	57206	60609	55346	58166				58202
	120	57207	60610	55347	58167				58203
	150	57208			58168				58204
	180	57209			58169				58205
	220	57210							58206
	240	57211							
320	57213								
3 x 24	24	57500			58170		58121		
	36	57501	60646		58171		58122		
	40	57502	60647	55352	58172		58123		
	50	57503	60648	55353	58173		58124		
	60	57504	60649	55354	58174		58125		58500
	80	57505	60650	55355	58175		58126		58501
	100	57506	60651	55356	58176				58502
	120	57507	60652	55357	58177				58503
	150	57508			58178				58504
	180	57509			58179				58505
	220	57510							58506
	240	57511							
320	57513								

COATED ABRASIVES

BELTS

1A-X/2A-X: Aluminum oxide, closed coat, X weight cotton. For general purpose sanding, grinding and finishing of ferrous and non-ferrous metals, wood, cast iron, ordinary and alloyed steels and stainless steel.

AO-X: Aluminum oxide, open coat, X weight cotton. For general purpose sanding and grinding where an open coat structure is needed. Best choice for soft woods, non-ferrous metals, aluminum, leather, rubber and other materials that have the tendency to load.

LA-X (SAIT-Saver™): Economy Aluminum oxide, closed coat, X-weight cotton. For low cost sanding and finishing of ordinary and alloyed steels, ferrous and non-ferrous metals, cast iron, and wood. A good choice where price and best value is the determining factor.

Z-H: Zirconium, closed coat, H weight waterproof polyester. Designed for aggressive grinding of ferrous and non-ferrous metals, cast iron, stainless steel, and aluminum. Backing can be used wet or dry.

C-W: Silicon Carbide, closed coat, X weight waterproof cotton. For grinding and finishing glass, aluminum, marble, hard cast iron, ceramics, non-ferrous metals, plastics, rubber and stone. Backing can be used wet or dry.



Benchstand Sander



Portable Sander

BELTS

Size	Grit	Closed Coat Aluminum Oxide	Closed Coat Aluminum Oxide	Closed Coat Aluminum Oxide	Open Coat Aluminum Oxide	Open Coat Aluminum Oxide	Closed Coat Zirconium	Closed Coat Zirconium	Closed Coat Silicon Carbide
		1AX/2AX Blue Line™ Part No.	1AX/2AX Quick Ship™ Part No.	LA-X SAIT-Saver™ Part No.	AO-X Blue Line™ Part No.	AO-X Quick Ship™ Part No.	Z-H Blue Line™ Part No.	Z-H Quick Ship™ Part No.	C-W Blue Line™ Part No.
3 x 60	36		60202						
	40		60203						
	50		60204						
	60		60205						
	80		60206						
	100		60207						
	120		60208						
3 x 132	36		60772					64772	
	40		60773					64773	
	50		60774					64774	
	60		60775					64775	
	80		60776					64776	
	100		60777						
	120		60778						
3-1/2 x 15-1/2	36		61145						
	40		61146						
	50		61147						
	60		61148						
	80		61149						
	100		61150						
	120		61151						
4 x 21	24					58180			
	36	57601				58181			
	40					58182			
	50	57603				58183			
	60	57604				58184			
	80	57605				58185			
	100	57606				58186			
	120	57607				58187			
	150					58188			
	180	57609				58189			
	320	57613							
4 x 24	24	57900				58190	58131		
	36	57901	60842			58191	58132		
	40	57902	60843	55362		58192	58133		
	50	57903	60844	55363		58193	58134		
	60	57904	60845	55364		58194	58135		58850
	80	57905	60846	55365		58195	58136		58851
	100	57906	60847	55366		58196			58852
	120	57907	60848	55367		58197			58853
	150	57908				58198			58854
	180	57909				58199			58855
	220	57910							58856
	240	57911							
	320	57913							
4 x 36	24		60855						
	36		60856			63241			
	40		60857	60663		63242			
	50		60858	60664		63243			
	60		60859	60665		63244			
	80		60860	60666		63245			
	100		60861	60667		63246			
	120		60862	60668		63247			
	150		60863			63248			
	180		60864			63249			
	220		60865						
	240		60866						
	320		60868						
4 x 48	36		60869						
	40		60870						
	50		60871						
	60		60872						
	80		60873						
	100		60874						
	120		60875						
4 x 54	36		60884						
	40		60885						
	50		60886						
	60		60887						
	80		60888						
	100		60889						
	120		60890						

COATED ABRASIVES

BELTS

BELTS



Backstand Sander Benchstand Sander

Size	Grit	Closed Coat Aluminum Oxide	Closed Coat Aluminum Oxide	Open Coat Aluminum Oxide	Closed Coat Zirconium	Closed Coat Silicon Carbide
		1AX/2AX Quick Ship™ Part No.	LA-X SAIT-Saver™ Part No.	AO-X Quick Ship™ Part No.	Z-H Quick Ship™ Part No.	C-W Quick Ship™ Part No.
4 x 60	36	60222				
	40	60223				
	50	60224				
	60	60225				
	80	60226				
	100	60227				
	120	60228				
4 x 106	60					64210
	80					64211
	100					64212
	120					64213
4 x 132	36	60982			64982	
	40	60983			64983	
	50	60984			64984	
	60	60985			64985	
	80	60986			64986	
	100	60987				
	120	60988				
6 x 48	24	61023		63250		
	36	61024		63251	58142	
	40	61025	60683	63252	58143	
	50	61026	60684	63253	58144	
	60	61027	60685	63254	58145	58900
	80	61028	60686	63255	58146	58901
	100	61029	60687	63256		58902
	120	61030	60688	63257		58903
	150	61031		63258		58904
	180	61032		63259		58905
	220	61033				58906
	240	61034				
	320	61036				
6 x 132	36	61051				
	60	61054				
	80	61055				
	100	61056				
	120	61057				

COATED ABRASIVES

BELTS

1A-X/2A-X: Aluminum oxide, closed coat, X weight cotton. For general purpose sanding, grinding and finishing of ferrous and non-ferrous metals, wood, cast iron, ordinary and alloyed steels and stainless steel.

AO-X: Aluminum oxide, open coat, X weight cotton. For general purpose sanding and grinding where an open coat structure is needed. Best choice for soft woods, non-ferrous metals, aluminum, leather, rubber and other materials that have the tendency to load.

LA-X (SAIT-Saver™): Economy Aluminum oxide, closed coat, X-weight cotton. For low cost sanding and finishing of ordinary and alloyed steels, ferrous and non-ferrous metals, cast iron, and wood. A good choice where price and best value is the determining factor.

Z-H: Zirconium, closed coat, H weight waterproof polyester. Designed for aggressive grinding of ferrous and non-ferrous metals, cast iron, stainless steel, and aluminum. Backing can be used wet or dry.

C-W: Silicon Carbide, closed coat, X weight waterproof cotton. For grinding and finishing glass, aluminum, marble, hard cast iron, ceramics, non-ferrous metals, plastics, rubber and stone. Backing can be used wet or dry.

For other sizes, grits and materials, see page 78 for our extensive custom belt program

CUSTOM BELTS (MADE-TO-ORDER)

- Broad product offering (economy Aluminum Oxide and Silicon Carbide to premium Zirconia Alumina).
- Custom made to your exact width (up to 18"), length, material, and grit.
For example: 6" width x 108" length, AZ-X, 60 Grit
- Lead time: 7–10 working days.
- Allow for a quantity variance of plus or minus 10%.
- Custom belts are non-returnable.
- For additional information see price book.



SPECIFICATION MATERIAL & APPLICATION INFORMATION

ALUMINUM OXIDE CLOTH

1A-X/2A-X 24-400 Grit Range Closed Coat	<ul style="list-style-type: none"> • Semi-friable (1A-X)/heat-treated (2A-X) aluminum oxide grain on a X-weight cotton backing. • For general purpose grinding and finishing of ordinary and alloyed steels, ferrous and non-ferrous metals, cast iron and wood.
AO-X 24-180 Grit Range Open Coat	<ul style="list-style-type: none"> • Semi-friable aluminum oxide grain on a X-weight cotton backing. • For general purpose, open coat grinding, polishing and finishing of materials that have the tendency to load. • For use on non-ferrous metals, aluminum and wood.
3A-X 36-180 Grit Range Closed Coat	<ul style="list-style-type: none"> • Semi-friable aluminum oxide grain with <u>grinding aids</u> on a X-weight cotton backing. • Best for grinding and finishing heat sensitive materials (stainless steel, titanium, etc.) and non-ferrous metals.
2A-H 24-120 Grit Range Closed Coat	<ul style="list-style-type: none"> • Heat-treated, aluminum oxide grain on a H-weight, waterproof polyester backing. • Excellent for heavy duty grinding and finishing ferrous and non-ferrous metals, cast iron, and aluminum. Excellent foundry belt material.

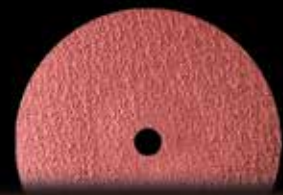
SILICON CARBIDE CLOTH

C-W 60-400 Grit Range Closed Coat	<ul style="list-style-type: none"> • Waterproof, X-weight cotton backing. • For grinding and finishing hard cast iron, aluminum, glass, ceramics, non-ferrous metals, plastics, rubber, marble and stone.
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ZIRCONIA ALUMINA CLOTH

Z-H (Premium) 24-120 Grit Range Closed Coat	<ul style="list-style-type: none"> • H-weight, waterproof polyester backing. • For heavy duty grinding and finishing on ferrous and non-ferrous metals, cast iron, aluminum, and stainless steel.
3Z-H (Premium) 36-80 Grit Range Closed Coat	<ul style="list-style-type: none"> • H-weight, waterproof polyester backing with <u>grinding aid</u>. • Excellent for grinding and finishing heat sensitive materials (stainless steel, titanium, etc.) and non-ferrous metals.
AZ-X 36-120 Grit Range Closed Coat	<ul style="list-style-type: none"> • X-weight, water-resistant polyester/cotton blended backing. • For general purpose grinding and finishing on ferrous and non-ferrous metals, cast iron, aluminum, stainless steel and wood materials.

FIBER DISCS INTRODUCTION



- Most comprehensive fiber discs product offering in the industry (9 types).
- Made with the highest quality materials using a premium resin over resin construction.
- Most renowned fiber discs in the world.

MATERIAL APPLICATION TECHNICAL INFORMATION

Aluminum Oxide Fiber Discs - Page 80



2A 16-120 Grit Range	<ul style="list-style-type: none"> • Closed coat for general purpose grinding and finishing.
3A 36-120 Grit Range	<ul style="list-style-type: none"> • Closed coat with grinding aids to reduce heat and loading. • Best for grinding & finishing heat sensitive materials & non-ferrous metals.

Zirconium Fiber Discs - Page 81



Z 24-80 Grit Range	<ul style="list-style-type: none"> • Closed coat for aggressive grinding and finishing.
3Z 24-80 Grit Range	<ul style="list-style-type: none"> • Closed coat with grinding aids to reduce heat and decrease loading. • For aggressive grinding & finishing of heat sensitive materials & non-ferrous metals.

Ceramic Fiber Discs - Page 82-83



7S 24-80 Grit Range	<ul style="list-style-type: none"> • High performance ceramic grain, closed coat. • Excels on Carbon Steel - Very uniform, high density, grain structure is extremely durable and self-sharpening for long life and cooler cut.
8S 24-80 Grit Range	<ul style="list-style-type: none"> • High performance ceramic grain, closed coat. • For use on Carbon and Stainless Steel - Very uniform, high density, grain structure is extremely durable & self-sharpening for long life & cooler cut.
9S 24-80 Grit Range	<ul style="list-style-type: none"> • High performance ceramic grain, closed coat with grinding aids for reduced heat and decreased loading. • Excels on Stainless Steel and tough to grind materials.

Specialty Fiber Discs - Page 84



AO Aluminum Oxide 16-36 Grit Range	<ul style="list-style-type: none"> • Open coat for fast stock removal and reduced loading.
C Silicon Carbide 16-400 Grit Range	<ul style="list-style-type: none"> • Closed coat for performance grinding and finishing of glass, marble, ceramic, hard cast iron and ferrous/non-ferrous materials.

Innovative Bulk Packaging (see picture on page 81)

Our unique bulk spindle packaging assures that each disc remains perfectly flat. The unique design offers the convenience of easy access and can be retightened to ensure that your discs are flat when you need them.

SAIT-LOK™ Quick Change 5/8-11 Hub

The SAIT-LOK™ hub recesses into the center cavity of the backing pad to provide a flat profile, thus increasing usable abrasive surface area up to 100% to get the job done faster and cooler.

- Eliminates the need for wrenches and spanner nuts.
- Threaded backing pad must be used with SAIT-LOK™ hub. Available in Blue Line™ packaging only.



Angle Grinder

GENERAL PURPOSE

COATED ABRASIVES

FIBER DISCS



Innovative Bulk Packaging
Fiber Spindle Keeps Discs Flat in Storage

2A

- Aluminum oxide grain
- **General purpose**
- Closed coat structure for more material removal and better finishing

METAL Ferrous and/or non-ferrous metals

WOOD Wood

3A

- Premium aluminum oxide grain with grinding aid
- **Special aluminum oxide grain to reduce heat build up and reduce loading**
- Closed coat structure for more material removal and better finishing

STAINLESS Stainless steel, high tensile steel, titanium, aluminum

METAL Ferrous metals

Size	Grit	Bulk (100 pcs.)		Blue Line™			SAIT-LOK™					
		Part No. 2A	Part No. 3A	Part No. 2A	Part No. 3A	Pk Per Box	Part No. 2A	Part No. 3A	Pk Per Box			
4 x 5/8	24	56024	-	50000	-	20	Not Available					
	36	56036	-	50001	-	20						
	50	56050	-	50002	-	25						
	60	56060	-	50003	-	25						
	80	56080	-	50004	-	25						
	100	56100	-	50005	-	25						
4-1/2 x 7/8	120	56120	-	50006	-	25						
	16	51022	-	50008	-	20						
	24	51024	-	50010	-	20				50120	-	15
	36	51036	52890	50011	50060	20				50121	50148	15
	50	51050	52891	50012	50061	25				50122*	50149	15
	60	51060	52892	50013	50062	25				50123	50150	15
5 x 7/8	80	51080	52893	50014	50063	25	50124	50151	15			
	100	51100	52894	50015	50064	25	50125*	50152	15			
	120	51120	52895	50016	50065	25	50126*	50153	15			
	16	53016	-	50018	-	20	-	-	-			
	24	53024	-	50020	-	20	50127	-	15			
	36	53036	52810	50021	50040	20	50128	50154	15			
7 x 7/8	50	53050	52811	50022	50041	25	50129*	50155*	15			
	60	53060	52812	50023	50042	25	50130	50156	15			
	80	53080	52813	50024	50043	25	50131	50157*	15			
	100	53100	52814	50025	50044	25	50132*	50158*	15			
	120	53120	52815	50026	50045	25	50133*	50159	15			
	16	57016	-	50030	-	20	-	-	-			
9-1/8 x 7/8	24	57024	-	50031	-	20	50134	-	15			
	36	57036	52836	50032	50070	20	50135	50160	15			
	50	57050	52850	50033	50071	25	50136	50161*	15			
	60	57060	52860	50034	50072	25	50137*	50162*	15			
	80	57080	52880	50035	50073	25	50138	50163*	15			
	100	57090	52100	50036	50074	25	50139*	50164*	15			
9-1/8 x 7/8	120	57120	52125	50037	50075	25	50140	50165	15			
	16	58016	-	50080	-	20	-	-	-			
	24	58024	-	50081	-	20	50141*	-	15			
	36	58036	-	50082	-	20	50142	-	15			
	50	58050	-	50083	-	25	50143*	-	15			
	60	58060	-	50084	-	25	50144	-	15			
9-1/8 x 7/8	80	58080	-	50085	-	25	50145	-	15			
	100	58090	-	50086	-	25	50146*	-	15			
	120	58120	-	50087	-	25	50147*	-	15			

* Items are made to order (must order in multiples of 300 pcs)



- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes
- Available in bulk and Blue Line™ packaging

FIBER DISCS

Zirconium



Angle Grinder

Z

- Zirconium grain
- **Closed coat structure for aggressive stock removal and long life**

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)

3Z

- Premium zirconium grain with grinding aid
- **Special zirconium grain to reduce heat build up and reduce loading**
- Closed coat structure for very aggressive material removal

STAINLESS Stainless steel, high tensile steel, titanium, aluminum

METAL Ferrous metals



Innovative Bulk Packaging
Fiber Spindle Keeps Discs Flat in Storage

- SAIT-LOK™ is available in Blue Line™ package only
See page 152 for SAIT-LOK™ backing pads
- Spiralcool™ backing pads and disc holder available for standard discs
See page 152 for Spiralcool™ backing pads

Packaging

UPC bar coded Blue Line™ packaging or Industrial bulk pack of 100 pieces



Quick Tip

Use the Zirconium fiber disc for aggressive stock removal on carbon steel

Size	Grit	Bulk (100 pcs.)		Blue Line™			SAIT-LOK™		
		Part No.	3Z	Part No.	3Z	Pk Per Box	Part No.	3Z	Pk Per Box
4-1/2 x 7/8	24	59224	58224	59424	58424	20	50166	-	15
	36	59236	58236	59436	58436	20	50167	50187	15
	50	59250	58250	59450	58450	25	50168	50188*	15
	60	59260	58260	59460	58460	25	50169	50189*	15
	80	59280	58280	59480	58480	25	50170	50190	15
5 x 7/8	24	59324	58324	59524	58524	20	50171	-	15
	36	59336	58336	59536	58536	20	50172	50192*	15
	50	59350	58350	59550	58550	25	50173	50193*	15
	60	59360	58360	59560	58560	25	50174	50194*	15
	80	59380	58380	59580	58580	25	50175	50195*	15
7 x 7/8	24	59624	58624	59724	58724	20	50176	-	15
	36	59636	58636	59736	58736	20	50177	50197	15
	50	59650	58650	59750	58750	25	50178*	50198*	15
	60	59660	58660	59760	58760	25	50179	50199	15
	80	59680	58680	59780	58780	25	50180	50200*	15
9-1/8 x 7/8	24	59824	-	59924	-	20	50181*	-	15
	36	59836	-	59936	-	20	50182	-	15
	50	59850	-	59950	-	25	50183*	-	15
	60	59860	-	59960	-	25	50184*	-	15
	80	59880	-	59980	-	25	50185*	-	15

* Items are made to order (must order in multiples of 300 pcs)



- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes
- Available in bulk and Blue Line™ packaging

PREMIUM

COATED ABRASIVES

FIBER DISCS



Angle Grinder

HIGH PERFORMANCE



Saitch™ 7S Ceramic

- High performance, ceramic aluminum oxide grain, closed coat
- **Excels on carbon steel, cast iron, and hard to grind alloys**
- Exceptional performance and value
- Available in bulk and Blue Line™
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**

METAL Carbon steel, cast iron

Innovative Bulk Packaging
Fiber Spindle Keeps Discs Flat in Storage



Saitch™ 8S Ceramic

- High performance, ceramic aluminum oxide grain, closed coat
- **Designed to effectively grind both carbon steel and stainless steel**
- Exceptional performance and value
- Available in bulk and Blue Line™
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**

METAL Carbon steel, cast iron

STAINLESS Stainless steel, high tensile steel, titanium

COATED ABRASIVES

FIBER DISCS

Size	Grit	Bulk (100 pcs.)		Blue Line™			SAIT-LOK™		
		Part No.	Part No.	Part No.	Part No.	Pk Per Box	Part No.	Part No.	Pk Per Box
		7S	8S	7S	8S		7S	8S	
4-1/2 x 7/8	24	57424	51242	57224	50410	20	50999	50238	15
	36	57436	51243	57225	50411	20	51000	50239	15
	50	57450	51244	57226	50412	25	51001	50240	15
	60	57460	51245	57227	50413	25	51002	50241	15
	80	57480	51246	57228	50414	25	51003	50242	15
5 x 7/8	24	57524	51252	57234	50420	20	51007	50248	15
	36	57536	51253	57235	50421	20	51008	50249	15
	50	57550	51254	57236	50422	25	51009	50250	15
	60	57560	51255	57237	50423	25	51010	50251	15
	80	57580	51256	57238	50424	25	51011	50252	15
7 x 7/8	24	57724	51292	57244	50430	20	51015	50258	15
	36	57736	51293	57245	50431	20	51016	50259	15
	50	57750	51294	57246	50432	25	51017	50260	15
	60	57760	51295	57247	50433	25	51018	50261	15
	80	57780	51296	57248	50434	25	51019	50262	15

Note: All SAIT-LOK™ Ceramic 7S & 8S fiber discs are made to order (must order in multiples of 300 pcs)

Packaging
UPC bar coded Blue Line™ packaging or Industrial bulk pack of 100 pieces

See page 152 for backing pads



- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes
- Available in bulk spindle and Blue Line™ packaging



Saitech™ 9S Ceramic (with grinding aid)

- High performance, ceramic aluminum oxide grain, closed coat
- Grinding aids for reduced heat and decreased loading. Excels on heat sensitive materials (stainless steel, etc.) and non-ferrous metals (aluminum, etc.)
- Exceptional performance and value
- Excels on stainless steel and tough to grind materials

STAINLESS Stainless steel, high tensile steel, titanium

METAL Carbon steel, cast iron

ALUMINUM Non-ferrous metals (aluminum, copper, brass, etc.)



Grinds welds on stainless steel with no discoloration

Innovative Bulk Packaging
Fiber Spindle Keeps Discs Flat in Storage

Why use 9S?

- SAITECH™ 9S ceramic fiber discs are designed to keep the material that the disc is being used on very cool to prevent burning, discoloration and distortion.
- 9S is the ideal product for end users who frequently grind heat sensitive materials like stainless steel, high nickel, chrome alloys and titanium.
- 9S also works very well on aluminum and non-ferrous metals as the grinding aids act as a lubricant to prevent loading.

Size	Grit	Bulk (100 pcs.)		Blue Line™		SAIT-LOK™	
		Part No.	Part No.	Qty Per Box	Part No.	Qty Per Box	
4-1/2 x 7/8	24	51342	50510	20	50338	15	
	36	51343	50511	20	50339	15	
	50	51344	50512	25	50340	15	
	60	51345	50513	25	50341	15	
	80	59113	56313	25	50342	15	
5 x 7/8	24	51352	50520	20	50348	15	
	36	51353	50521	20	50349	15	
	50	51354	50522	25	50350	15	
	60	51355	50523	25	50351	15	
	80	59133	56333	25	50352	15	
7 x 7/8	24	51372	50530	20	50358	15	
	36	51373	50531	20	50359	15	
	50	51374	50532	25	50370	15	
	60	51375	50533	25	50371	15	
	80	59153	56353	25	50372	15	

Note: All SAIT-LOK™ Ceramic 9S fiber discs are made to order (must order in multiples of 300 pcs)

Packaging
UPC bar coded Blue Line™ packaging or Industrial bulk pack of 100 pieces

See page 152 for backing pads

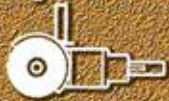


- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available with SAIT-LOK™ quick change hub which extends disc life and requires fewer disc changes
- Available in bulk spindle and Blue Line™ packaging

HIGH PERFORMANCE

COATED ABRASIVES

FIBER DISCS



SPECIALTY

COATED ABRASIVES

FIBER DISCS



Innovative Bulk Packaging
Fiber Spindle Keeps Discs Flat in Storage



Quick Tip

Use Spiralcool™ backing pads to extend disc life 30% to 50%

AO

- Aluminum oxide grain
- Open coat structure prevents loading
- **Fast material removal**

METAL Ferrous and/or non-ferrous metals (iron, steel, copper, aluminum, etc.)

WOOD Wood, fiberglass

C

- Silicon carbide grain
- **Closed coat structure for more material removal**

CONCRETE Glass, marble, ceramic, hard cast iron

METAL Ferrous and/or non-ferrous metals



Note: Fiber Discs must always be used with a backing pad.

Size	Grit	Bulk (100 pcs.) Part No.		Blue Line™ Part No.		Pk Per Box
		AO	C	AO	C	
7 x 7/8	16	52716	54016	50050	50100	20
	24	52724	54024	50051	50101	20
	36	52736	54036	50052	50102	20
	50	-	54050	-	50103	25
	60	-	54060	-	50104	25
	80	-	54080	-	50105	25
	100	-	54100	-	50106	25
	120	-	54120	-	50107	25
	150	-	54150	-	50108	25
	180	-	54180	-	50109	25
	220	-	54220	-	50110	25
	320	-	54320	-	50112	25
	400	-	54400	-	50113	25

Packaging

UPC bar coded Blue Line™ packaging or Industrial bulk pack of 100 pieces

See page 152 for backing pads



- Resin over resin construction for a strong bond that is resistant to heat and moisture
- Vulcanized fiber backing for heavy duty sanding
- Available in bulk and Blue Line™ packaging

LAMINATED AND MINI FLAP DISCS

Heavy Duty



Portable Grinder

Triple laminated construction for severe pressure applications where conventional laminated discs have too much flex. Excellent for edge grinding, deburring, and weld preparation and removal.

2A-H

- Aluminum oxide grain
- **Fast stock removal**
- Excellent edge grain retention

METAL Ferrous and/or non-ferrous metals

WOOD Wood, plastic, fiberglass, etc.

Z-H

- High performance Zirconium grain
- **Extremely fast stock removal and long life**

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile alloys



SAIT-LOK™

Improved nylon composite won't bend or break during aggressive applications. Uses the same backing pad as conventional laminated discs.

SAIT-LOK-R™



Nylon screw threaded hub for easy mounting to the backing pad

Size	Grit	SAIT-LOK™ Part No.		SAIT-LOK-R™ Part No.		Qty Per Box
		2A-H	Z-H	2A-H	Z-H	
2"	24	52320	55420	50320	55450	100
	36	52321	55421	50321	55451	100
	50	52322	55422	50322	55452	100
	60	52323	55423	50323	55453	100
	80	52324	55424	50324	55454	100
3"	24	52330	55430	50330	55460	50
	36	52331	55431	50331	55461	50
	50	52332	55432	50332	55462	50
	60	52333	55433	50333	55463	50
	80	52334	55434	50334	55464	50



SAIT ENCORE

Mini Flap Discs

- Long life performance of a flap disc for use in confined spaces
- More material, longer life than a single layer laminated disc
- SAIT-LOK-R™ thread allows easy changeover between sanding discs, surface conditioning discs and buffing discs

Packaging
10/box

Size	Grit	SAIT-LOK-R™ Part No. Mini Encore
2" Zirconium	40	74820
	60	74822
	80	74823
	120	74825
3" Zirconium	40	74830
	60	74832
	80	74833
	120	74835

See page 155 for
SAIT-LOK-R™ backing pads



Heavy Duty Discs

Stiffer construction assures fast grinding performance
Very durable edge performance & long life



Conventional Discs

See page 155 for backing pads

Tech INFO

- Triple lamination construction for severe duty applications where traditional discs fray
- Quick change backings make for fast, easy disc changes and less downtime
- Universal style backings fit most major backing pad brands on the market

HEAVY DUTY

COATED
ABRASIVES

LAMINATED DISCS



Portable Grinder

GENERAL PURPOSE

COATED ABRASIVES

LAMINATED DISCS



SAIT-LOK™

All-metal attachment on disc ensures a secure fit to the backing pad (see page 87 for photo)

SAIT-LOK-R™

Nylon screw threaded hub for easy mounting to the backing pad (see page 87 for photo)

See page 155 for backing pads

2A

- Aluminum oxide grain
- **General purpose, long life**
- Easy disc changes by twisting to unlock backing pad

- METAL** Ferrous and/or non-ferrous metals
- WOOD** Wood, plastic, fiberglass, etc.

3A

- Premium aluminum oxide grain with grinding aid
- Cooling agents for cool cutting and long life
- **Fast stock removal**
- Easy disc changes by twisting to unlock backing pad

- STAINLESS** Stainless steel, high tensile steel, titanium
- METAL** Ferrous and/or non-ferrous metals

QT Quick Tip
Use 3A or 3Z for top performance on stainless steel and aluminum

Size	Grit	SAIT-LOK™ Part No.		SAIT-LOK-R™ Part No.		Qty Per Box
		2A	3A	2A	3A	
1"	36	52208	50208	-	-	100
	40	52209	50209	-	-	100
	50	52210	50210	-	-	100
	60	52211	50211	-	-	100
	80	52212	50212	-	-	100
	100	52213	50213	-	-	100
	120	52214	50214	-	-	100
1-1/2"	36	52215	50215	52264	50264	100
	40	52216	50216	52265	50265	100
	50	52217	50217	52266	50266	100
	60	52218	50218	52267	50267	100
	80	52219	50219	52268	50268	100
	100	52220	50220	52269	50269	100
	120	52221	50221	52270	50270	100
2"	36	52222	50222	52271	50271	100
	40	52223	50223	52272	50272	100
	50	52224	50224	52273	50273	100
	60	52225	50225	52274	50274	100
	80	52226	50226	52275	50275	100
	100	52227	50227	52276	50276	100
	120	52228	50228	52277	50277	100
3"	36	52229	50229	52278	50278	50
	40	52230	50230	52279	50279	50
	50	52231	50231	52280	50280	50
	60	52232	50232	52281	50281	50
	80	52233	50233	52282	50282	50
	100	52234	50234	52283	50283	50
	120	52235	50235	52284	50284	50

Tech INFO

- 2-ply construction is rugged enough for contoured surfaces or flat surfaces
- Quick-change backings make for fast, easy disc changes and less downtime
- Universal backings fit most major backing pad brands on the market

LAMINATED DISCS

Zirconium



Portable Grinder

SAIT-LOK™



All-metal attachment on disc ensures a secure fit to the backing pad

SAIT-LOK-R™



Nylon screw threaded hub for easy mounting to the backing pad

See page 155 for backing pads



Z

- Premium zirconium grain
- **Very fast stock removal, long life**
- Easy disc changes by twisting to unlock backing pad

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)

3Z

- Premium zirconium grain with grinding aid
- Cooling agents for cool cutting and long life
- **Very fast stock removal, no discoloration**
- Easy disc changes by twisting to unlock backing pad

STAINLESS Stainless steel, high tensile steel, titanium

METAL Ferrous and/or non-ferrous metals



Size	Grit	SAIT-LOK™ Part No.		SAIT-LOK-R™ Part No.		Qty Per Box
		Z	3Z	Z	3Z	
1-1/2"	36	55215	56215	55264	56264	100
	40	55216	56216	55265	56265	100
	50	55217	56217	55266	56266	100
	60	55218	56218	55267	56267	100
	80	55219	56219	55268	56268	100
	24	55221	-	55270	-	100
2"	36	55222	56222	55271	56271	100
	40	55223	56223	55272	56272	100
	50	55224	56224	55273	56276	100
	60	55225	56225	55274	56274	100
	80	55226	56226	55275	56275	100
	24	55228	-	55277	-	50
3"	36	55229	56229	55278	56278	50
	40	55230	56230	55279	56279	50
	50	55231	56231	55280	56280	50
	60	55232	56232	55281	56281	50
	80	55233	56233	55282	56282	50



- 2-ply construction is rugged enough for contour surfaces or flat surfaces
- Quick-change backings make for fast, easy disc changes and less downtime
- Universal backings fit most major backing pad brands on the market

PREMIUM

COATED ABRASIVES

LAMINATED DISCS

PAPER & CLOTH DISCS INTRODUCTION

Paper Discs

SPECIFICATION

MATERIAL & APPLICATION INFORMATION

Zirconium – Page 91, 93

Z-F Heavy Duty Paper Discs

40-120 Grit Range
F-weight paper
Closed Coat

- Best choice for aggressive sanding, preparation, and stock removal.
- Aggressive material removal and long life.
- Heavy, F-weight paper prevents torn edges, which produce deep, uneven random scratches.
- Available in PSA and hook and loop fastening systems.

Aluminum Oxide – Page 91 – 93

A-E Heavy Duty Paper Discs

40-120 Grit Range
E-weight paper
Open Coat

- Aggressive sanding, preparation, and stock removal as well as finishing with long life.
- E-weight paper reduces torn edges, which produce deep, uneven random scratches.
- Available in PSA and hook and loop fastening systems.

4S/4V Premium Stearate Paper

80-1500 Grit Range
C-weight paper
Open Coat

- Premium stearate coating and open coat structure lubricates and prevents loading for long life and aggressive cutting.
- Available in C-weight, low flexibility.
- Available in PSA and hook and loop fastening systems.

3S Stearate Paper

80-600 Grit Range
C-weight paper
Open Coat

- Stearate coating and open coat structure lubricates and prevents loading.
- Available in C-weight, normal flexibility.
- Available in PSA and hook and loop fastening systems in individual discs and PSA disc rolls.

Gold Stearated Aluminum Oxide

80-400 Grit Range
C and D weight paper
Semi Open Coat

- Stearate coating and semi open coat structure lubricates and prevents loading for fast cutting.
- Available in PSA disc rolls.

Silicon Carbide – Page 93

C-E and C-F Paper Discs

40-1200 Grit Range
E and F weight paper
Closed Coat

- Premium Silicon Carbide paper for aggressive sanding and finishing.
- For use on granite, marble, fiberglass, solid surface materials, ceramics, concrete, plastics and cast iron materials.
- Heavy-duty paper prevents torn edges, which can produce deep, uneven scratches.
- Available in hook and loop fastening system.

Cloth Discs

SPECIFICATION

MATERIAL & APPLICATION INFORMATION

Zirconia Alumina – Page 94-95

40-80 Grit Range
X-weight cloth
Closed Coat

- X-weight cotton backing for superior grinding and finishing performance.
- Hot melt adhesive provides excellent adhesion while allowing for easy removal.
- Available in the most popular sizes and grits.

Aluminum Oxide – Page 94-95

24-320 Grit Range
X-weight cloth
Closed Coat

- X-weight cotton backing for grinding and finishing performance.
- Hot melt adhesive provides excellent adhesion while allowing for easy removal.
- Available in the most popular sizes and grits.



COATED
ABRASIVES



PAPER DISCS PSA DISC ROLLS

Stearated



Disc Sander

4S Premium Stearated Aluminum Oxide

- EXCELS ON PAINTED AND PRIMED SURFACES
- Our best performing, longest lasting paper disc
- Long lasting performance and fast removal rates for fine finishing of auto body, wood, metal, and marine applications
- Premium Aluminum Oxide grain
- Premium Stearate coating and open coat structure lubricates and prevents loading - For dry use only
- Available in weights: "C" medium-weight, low flexibility

METAL Ferrous and/or non-ferrous metals

WOOD Body filler, paint, primers, plastics, wood and fiberglass

Packaging

PSA Disc Rolls: 100 pcs/roll
4 rolls/box

See page 154 for backing pads



Size	Grit	PSA Disc Rolls Part No
5" 4S	80C	37800
	100C	37801
	120C	37802
	150C	37803
	180C	37804
	220C	37805
	240C	37806
	280C	37807
6" 4S	320C	37808
	80C	37900
	100C	37901
	120C	37902
	150C	37903
	180C	37904
	220C	37905
	240C	37906
	280C	37907
	320C	37908

3S Stearated Aluminum Oxide

- EXCELS ON WOOD AND BARE METAL SURFACES
- Aluminum oxide grain - For dry use only
- Stearate coating and open coat structure lubricates and prevents loading
- Available in weights: "C" medium-weight, average flexibility

WOOD Body filler, paint, primers, plastics, wood and fiberglass

METAL Ferrous and/or non-ferrous metals

Size	Grit	PSA Disc Rolls Part No
5" 3S	80C	36800
	100C	36801
	120C	36802
	150C	36803
	180C	36804
	220C	36805
	320C	36808
	400C	36809
6" 3S	500C	36810
	80C	36900
	100C	36901
	120C	36902
	150C	36903
	180C	36904
	220C	36905
	320C	36908
	400C	36909
	500C	36910

Gold Stearated Aluminum Oxide

- OUR BEST ECONOMY DISC
- Durable aluminum oxide grain provides a fast cut with long life
- Stearate coating and semi open coat structure prevents loading - For dry use only
- For automotive body work, removing varnish from wood, sanding fiberglass, and for use on metal

METAL Ferrous and/or non-ferrous materials

WOOD Body filler, paint, fiberglass, etc.

- For use on random orbital or low speed DA sanders
- Available weights: "C" - medium-weight, low flexibility
"D" - heavy-weight, low flexibility



Size	Grit	Part No. w/o vacuum holes
5"	80D	36500
	100D	36501
	120D	36502
	150D	36503
	180C	36504
	220C	36505
	240C	36506
	320C	36508
6"	400C	36509
	80D	36600
	100D	36601
	120D	36602
	150D	36603
	180C	36604
	220C	36605
	240C	36606
	320C	36608
	400C	36609

Packaging 100 pieces/box/roll



- Strong resin over resin bond construction is resistant to heat and moisture
- Special sharp and durable aluminum oxide grain cuts fast and is long lasting
- PSA discs rolls are perforated for easy disc tear away from roll

COATED
ABRASIVES

PAPER DISCS

Stearated



Disc Sander

PAPER DISCS INDIVIDUAL PSA

4S Premium Stearated Aluminum Oxide

- EXCELS ON PAINTED AND PRIMED SURFACES
- Our best performing, longest lasting paper disc
- Long lasting performance and fast removal rates for fine finishing of auto body, wood, metal, and marine applications
- Premium Aluminum Oxide grain - For dry use only
- Premium Stearate coating and open coat structure lubricates and prevents loading
- Available in weights: "C" medium-weight, low flexibility

WOOD Body filler, paint, primers, plastics, wood and fiberglass

METAL Ferrous and/or non-ferrous metals

Size	Grit	PSA Discs Part No. w/o vac. holes
5"	80C	37505
	100C	37506
	120C	37507
	150C	37508
	180C	37509
	220C	37510
6"	320C	37511
	80C	37605
	100C	37606
	120C	37607
	150C	37608
	180C	37609
	220C	37610
	320C	37611



Quick Tip

Release paper keeps PSA discs clean in a dusty environment



Packaging

PSA individual: 100/box

See page 154 for backing pads

3S Stearate Aluminum Oxide

- EXCELS ON WOOD AND BARE METAL SURFACES
- Aluminum oxide grain - For dry use only
- Stearate coating and open coat structure lubricates and prevents loading
- Fine finishing of wood, metal, auto body and marine applications
- Available in weights: "C" medium-weight, average flexibility

WOOD Body filler, paint, primers, plastics, wood and fiberglass

METAL Ferrous and/or non-ferrous metals

Size	Grit	PSA Discs Part No. w/o vac. holes
5"	80C	36520
	100C	36521
	120C	36522
	150C	36523
	180C	36524
	220C	36525
6"	320C	36528
	80C	36620
	100C	36621
	120C	36622
	150C	36623
	180C	36624
	220C	36625
	320C	36628

Tech INFO

- Special sharp and durable premium aluminum oxide grain cuts fast and is long lasting
- Pressure sensitive adhesive (PSA) backing allows for quick changes
- PSA discs are tabbed for easy removal of release paper

COATED
ABRASIVES

PAPER DISCS

PAPER DISCS INDIVIDUAL PSA

Heavy Duty



Zirconium Paper Discs - Z-F (Premium)

- Best choice for aggressive sanding, preparation, and stock removal
- Zirconium grain for aggressive material removal and long life
- Heavy, F-weight paper prevents torn edges which produce deep, uneven random scratches

METAL Ferrous and non-ferrous metals

WOOD Wood



Aluminum Oxide Paper Discs - A-E

- For aggressive sanding, preparation, and stock removal
- Aluminum Oxide grain for material removal, long life and finishing
- E-weight paper reduces torn edges which produce deep, uneven random scratches

WOOD Wood, auto body applications, and fiberglass

METAL Ferrous and non-ferrous metals

Size	Grit	ZF - Zirconium	AE - Aluminum Oxide
		Part No.	Part No.
5"	40	34110	34150
	60	34112	34152
	80	34113	34153
	120	34115	34155
6"	40	34130	34170
	60	34132	34172
	80	34133	34173
	120	34135	34175
8"	40	34140	-
	80	34143	-

Packaging

5" and 6"
PSA: 50/box

8"
PSA: 25/box

See page 154 for backing pads



Quick Tip
Release paper keeps PSA discs clean in a dusty environment



COATED
ABRASIVES

PAPER DISCS

Tech INFO

- Special sharp and durable premium aluminum oxide grain cuts fast and is long lasting
- Pressure sensitive adhesive (PSA) allows for quick changes
- PSA discs are tabbed for easy removal of release paper

Stearated



Disc Sander

PAPER DISCS HOOK & LOOP

4S/4V Premium Stearated Aluminum Oxide

- EXCELS ON PAINTED AND PRIMED SURFACES
- Our best performing, longest lasting paper disc
- Long lasting performance and fast removal rates for fine finishing of auto body, wood, metal, and marine applications
- Premium Aluminum Oxide grain - for dry use only
- Premium Stearate coating and open coat structure lubricates and prevents loading

Packaging

50 pieces per box

See page 154 for backing pads now also available with vacuum holes

"C" medium-weight, low flexibility

WOOD Body filler, paint, primers, plastics, wood and fiberglass

METAL Ferrous and/or non-ferrous metals

4S/4V Hook & Loop Discs



Size	Grit	4S/4V Saitech™ Hook & Loop Discs			
		Part No. w/o vac. holes	Part No. w/ 5 vac. holes	Part No. w/ 6 vac. holes	Part No. w/ 8 vac. holes
5"	80C	37515	37525	-	37535
	100C	37516	37526	-	37536
	120C	37517	37527	-	37537
	150C	37518	37528	-	37538
	180C	37519	37529	-	37539
	220C	37520	37530	-	37540
	240C	37562	-	-	-
	280C	37563	-	-	-
	320C	37521	37531	-	37541
	400C	37522	37532	-	37542
	500C	37523	-	-	-
	600C	37524	-	-	-
	800C	37550	37554	-	37543
	1000C	37551	37555	-	37544
	1200C	37552	37556	-	37545
1500C	37553	37557	-	37546	
6"	80C	37615	-	37635	-
	100C	37616	-	37636	-
	120C	37617	-	37637	-
	150C	37618	-	37638	-
	180C	37619	-	37639	-
	220C	37620	-	37640	-
	240C	37650	-	-	-
	280C	37651	-	-	-
	320C	37621	-	37641	-
	400C	37622	-	37642	-
	500C	37623	-	-	-
	600C	37624	-	-	-
	800C	37625	-	37643	-
	1000C	37626	-	37644	-
	1200C	37627	-	37645	-
1500C	37628	-	37646	-	

3S Stearated Aluminum Oxide

- EXCELS ON WOOD AND BARE METAL SURFACES
- Aluminum oxide grain - for dry use only
- Stearate coating and open coat structure lubricates and prevents loading
- Fine finishing of wood, metal, auto body and marine applications
- "C" medium-weight, average flexibility

WOOD Body filler, paint, primers, plastics, wood and fiberglass

METAL Ferrous and/or non-ferrous metals

3S Hook & Loop Discs

Size	Grit	3S Saitech™ Hook & Loop Discs			
		Part No. w/o vac. holes	Part No. w/ 5 vac. holes	Part No. w/ 6 vac. holes	Part No. w/ 8 vac. holes
5"	80C	36540	36550	-	36560
	100C	36541	36551	-	36561
	120C	36542	36552	-	36562
	150C	36543	36553	-	36563
	180C	36544	36554	-	36564
	220C	36545	36555	-	36565
	320C	36548	36558	-	36568
	80C	36640	-	36650	-
6"	100C	36641	-	36651	-
	120C	36642	-	36652	-
	150C	36643	-	36653	-
	180C	36644	-	36654	-
	220C	36645	-	36655	-
	320C	36648	-	36658	-



- Hook and loop fastening system allows for quick changes and less downtime
- Available with or without vacuum holes for use on random orbital or low speed DA sanders with capture systems
- Strong resin over resin bond construction is resistant to heat and moisture
- This special sharp and durable aluminum oxide grain cuts fast and lasts long

COATED
ABRASIVES

PAPER DISCS

PAPER DISCS HOOK & LOOP

Heavy Duty



Disc Sander

Zirconium Paper Discs - Z-F (Premium)

- Best choice for aggressive sanding, preparation, and stock removal
- Zirconium grain for aggressive material removal and long life
- Heavy, F-weight paper prevents torn edges which produce deep, uneven random scratches

METAL Ferrous and non-ferrous metals

WOOD Wood

Aluminum Oxide Paper Discs - A-E

- For aggressive sanding, preparation, and stock removal
- Aluminum Oxide grain for material removal, long life and finishing
- E-weight paper reduces torn edges which produce deep, uneven random scratches

WOOD Wood, auto body applications, and fiberglass

METAL Ferrous and non-ferrous metals

Z-F Zirconium Hook & Loop

Size	Z-F Zirconium	
	Grit	Part No.
5"	40	34210
	60	34212
	80	34213
	120	34215
6"	40	34230
	60	34232
	80	34233
	120	34235
8"	40	34240
	80	34243

Packaging

50 pieces per box

See page 154 for backing pads now also available with vacuum holes

A-E Aluminum Oxide Hook & Loop

Size	Grit	AE - Aluminum Oxide			
		H&L Part No. w/o vac. holes	H&L Part No. w/ 5 vac. holes	H&L Part No. w/ 6 vac. holes	H&L Part No. w/ 8 vac. holes
5"	40	34250	34280	-	34290
	60	34252	34282	-	34292
	80	34253	34283	-	34293
	120	34255	34285	-	34295
6"	40	34270	-	34310	-
	60	34272	-	34312	-
	80	34273	-	34313	-
	120	34275	-	34315	-

Silicon Carbide Paper Discs

Size	Grit	Hook & Loop Part No.
5"	40	34510
	60	34512
	80	34513
	100	34514
	120	34515
	150	34516
	180	34517
	220	34518
	320	34521
	400	34522
	500	34523
	600	34524
6"	800	34525
	1200	34527
	40	34610
	60	34612
	80	34613
	100	34614
	120	34615
	150	34616
	180	34617
	220	34618
	320	34621
	400	34622
500	34623	
600	34624	
800	34625	
1200	34627	

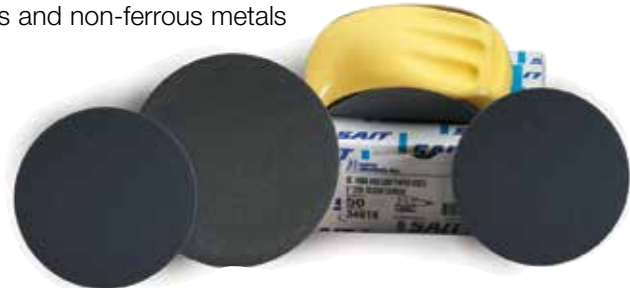
Silicon Carbide Heavy Duty Paper Discs C-E/C-F Discs

- Premium Silicon Carbide grain on a tough paper backing
- Designed for fine finishing and long life
- Available with hook and loop backing

CONCRETE Marble, granite, solid surface, ceramics, concrete, plastic

METAL Ferrous and non-ferrous metals

Contour Hand Pads on page 154



- Hook and loop fastening system allows for quick changes and less downtime
- Available with or without vacuum holes for use on random orbital or low speed DA sanders with capture systems
- Strong resin over resin bond construction is resistant to heat and moisture
- This special sharp and durable aluminum oxide grain cuts fast and lasts long

COATED ABRASIVES

PAPER DISCS



Zirconium (Premium)

Premium Zirconium Grain

- Specially formulated X-weight Egyptian cotton cloth backing
- Closed coat structure

METAL

Ferrous and/or non-ferrous metals (iron, steel, aluminum, copper, etc.)

STAINLESS

Stainless steel, high tensile steel

Packaging

1" - 6"	50/pkg
7" - 12"	25/pkg
14" - 16", 18", 20"	10/pkg

See page 154 for backing pads

* 280 grit not available

COATED
ABRASIVES

CLOTH DISCS

Size	Part No. TA-X	Grit Available
1"	34990	50
	34991	60
	34992	80
	34993	100-120-150- thru 180-220-
	34999	240-320
1-1/2"	35003	50
	35004	60
	35005	80
	35007	120
2"	35020	24
	35021	36
	35022	40
	35023	50
	35024	60
	35025	80
	35026	100-120-150- thru 180-220-
35033	240*-320	
3"	35040	24
	35041	36
	35042	40
	35043	50
	35044	60
	35045	80
	35046	100-120-150- thru 180-220-
	35053	240*-320
4"	35060	24
	35061	36
	35062	40
	35063	50
	35064	60
	35065	80
	35066	100-120-150- thru 180-220-
35073	240*-320	

Size	Part No.		Grit Available
	TA-X	Z-X	
5"	35080	-	24
	35081	-	36
	35082	37082	40
	35083	37083	50
	35084	37084	60
	35085	37085	80
	35086	-	100-120-150- thru 180-220- 240*-320
6"	35094	-	24
	35095	-	36
	35096	37096	40
	35097	37097	50
	35098	37098	60
	35099	37099	80
	35100	-	100-120-150- thru 180-220- 240*-320
7"	35107	-	24
	35108	-	36
	35109	-	40
	35110	-	50
	35111	-	60
	35112	-	80
	35113	-	100-120-150- thru 180-220- 240*-320
8"	35114	-	24
	35122	-	36
	35123	-	40
	35124	37124	50
	35125	37125	60
	35126	37126	80
	35127	37127	100-120-150- thru 180-220- 240*-320
	35128	-	24
35135	-	36	



- Strong resin over resin bond construction is resistant to heat and moisture
- Hot melt adhesive back allows for quick change and less downtime
- Label UPC bar coded for easy identification and inventory maintenance

CLOTH DISCS

PSA Discs



Aluminum Oxide

Aluminum Oxide Grain

- Strong X-weight Egyptian cotton cloth backing
- Closed coat structure

METAL Ferrous and/or non-ferrous metals (iron, steel, aluminum, copper, etc.)

WOOD Wood, plastic, fiberglass



See page 94 for packaging

Size	Part No.		Grit Available
	TA-X	Z-X	
9"	35136	-	24
	35137	-	36
	35138	37138	40
	35139	37139	50
	35140	37140	60
	35141	37141	80
	35142	-	100-120-150-thru
10"	35149	-	180-220-240-*320
	35150	-	24
	35151	-	36
	35152	-	40
	35153	-	50
	35154	37154	60
	35155	37155	80
	35156	-	100
	35157	-	120
	35158	-	150
	35163	-	320
12"	35164	-	24
	35165	-	36
	35166	37166	40
	35167	37167	50
	35168	37168	60
	35169	37169	80
	35170	-	100-120-150-thru
	35177	-	180-220-240-*320
14"	35179	-	36
	35180	-	40
	35181	-	50
	35182	-	60
	35183	-	80
	35185	-	120

Size	Part No.		Grit Available
	TA-X	Z-X	
15"	35193	-	36
	35194	-	40
	35195	-	50
	35196	-	60
	35197	-	80
	35198	-	100
	35199	-	120
16"	35207	-	36
	35208	-	40
	35209	-	50
	35210	-	60
	35211	-	80
	35212	-	100
	35213	-	120
18"	35221	-	36
	35222	-	40
	35223	-	50
	35224	-	60
	35225	-	80
	35226	-	100
	35227	-	120
	35235	-	36
20"	35236	37236	40
	35237	37237	50
	35238	37238	60
	35239	37239	80
	35240	-	100
	35241	-	120



- Strong resin over resin bond construction is resistant to heat and moisture
- Hot melt adhesive back allows for quick change and less downtime
- Label UPC bar coded for easy identification and inventory maintenance

COATED ABRASIVES

CLOTH DISCS




FLAP DISCS INTRODUCTION

What is a Flap Disc?

- Flap discs are constructed by layering coated abrasive flaps so they wear away and expose new, sharp grain
- Flap discs increase productivity and reduce total grinding and finishing costs by grinding, blending & finishing in 1 step

BACKING SHAPE

Conical shape features (type 29): 

- Built-in angle for increased contact area
- Best for use on contoured surfaces and edge work
- Minimizes workpiece gouging
- More aggressive stock removal due to higher angle
- 15°-25° working angle

Flat shape features (type 27): 

- Best for use on miter joints, corners and edges
- Best choice for finishing intricate and ornate surfaces
- Ideal for smooth finishing
- 0°-15° working angle

BACKING TYPE

Fiberglass backing features:

- Backing will wear uniformly with abrasive cloth
- Will not splinter or smear on the workpiece
- Lighter, quieter operation

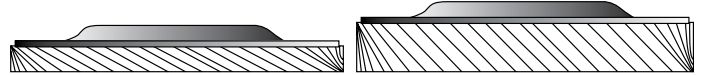
Plastic backing features:

- Non-scratching, high strength backing
- Resistant to temperature extremes, common chemicals and solvents
- Some plastic backings are trimmable

DENSITIES

Regular Density

High Density



High density flap discs contain approximately 40% more material than regular density flap discs.

FLAP DISCS VS. GRINDING WHEELS

- Faster stock removal and smoother finish
- Quieter operation and reduced vibration minimizing operator fatigue
- Cooler cutting, reduced loading and glazing
- Easy to use – reduced gouging and rework

FLAP DISCS VS. FIBER DISCS

- Up to 20 times longer life than a fiber disc
- No backing pad needed
- Easier storage – no curling
- Flap discs should use one grit coarser than used in fiber discs (except 36 grit)
- More consistent finish

★ ★ ★ ★ ★ ★ The



Difference ★ ★ ★ ★ ★ ★ ★

QUALITY CONTROL

- Extensive QC throughout the production process **maximizes safety and performance**

OUR FIBERGLASS BACKING

- We use **custom engineered fiberglass backing plates for strength and safety**
- More fiberglass is used in our backing vs. many competitors – making our flap discs **among the safest on the market**

OUR ADHESIVE SYSTEM

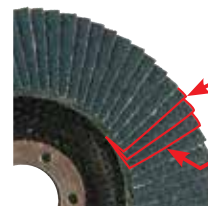
- To maximize abrasive performance and safety, we use a **specialty formulated adhesive system** designed to effectively secure the abrasive flaps to the backing

OUR COATED MATERIAL

- **Our own coated material**, specifically designed for flap discs, is manufactured on state-of-the-art production equipment. We choose from a variety of materials to create a flap disc for each application.

OUR FLAP DESIGN

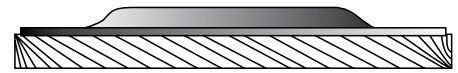
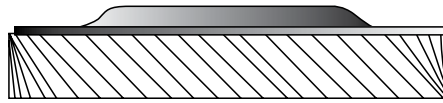
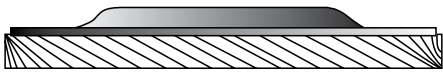
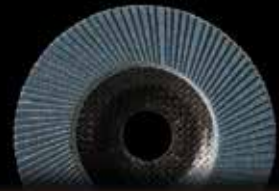
- We use **more and larger flaps** vs. many competitors' flap discs which translates into great performance and life.



More flaps than competitive flap discs

Larger flaps than competitive flap discs

FLAP DISCS OVERVIEW



REGULAR DENSITY

HIGH DENSITY

PLASTIC (Regular Density)



ENCORE

- General Purpose
- Premium Zirconium Grain
- Cotton Backing



OVATION®

- Heavy Duty
- Premium Zirconium Grain
- Full Tough Polyester Backing



NEW!

TrimBack™

- Trimmable
- Premium Zirconium Grain
- Durable Polyester-Cotton Backing



NEW!

ENCORE Plus+

- Long Life
- Premium Zirconium Grain
- Durable Polyester-Cotton Backing



OVATION® ATTACKER®

- Fast Cutting
- Premium Zirconium Grain
- Conformable Cotton Backing



Saitlam PN™

- General Purpose
- Zirconium Grain
- Cotton Backing



NEW!

ENCORE Ceramic

- High Performance Ceramic Grain
- Durable Polyester-Cotton Backing



NEW!

OVATION® ATTACKER® Plus+

- Long Life
- Premium Zirconium Grain
- Durable Polyester-Cotton Backing



Saitlam™

- Dual Flap Design
- Available in 2A, 3A, & Z
- 2A & 3A - Cotton Backing
- Z - polyester-cotton backing



Saitlam U™ Winner Plus

- General Purpose
- Zirconium Grain
- Durable Polyester-Cotton Backing



NEW!

OVATION® Ceramic

- High Performance Ceramic Grain
- Durable Polyester-Cotton Backing



Saitlam F™

- Original Design
- Available in 2A, 3A, & Z
- Cotton Backing

SPECIALTY



Sand-Light™

- Non-Woven Material
- Surface preparation & finishing



Encore Mini Flap Discs

- 2" & 3" Diameters
- Zirconium Grain
- Long Life
- SAIT-LOK-R™ thread for easy changeover

COATED
ABRASIVES

Regular Density



Angle Grinder Portable Grinder

FLAP DISCS ENCORE

SAIT ENCORE

(Regular Density on Fiberglass Backing Plate)

APPLICATIONS:

Weld grinding and blending, deburring, finishing and blending, and contour finishing

- General Purpose Specification – however, contains larger and more flaps than the competition providing longer life
- Premium zirconium grain on cotton backing which provides long life and high stock removal
- Will not contaminate stainless steel
- Resists loading on aluminum

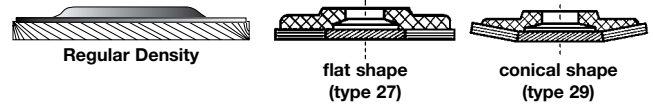
METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel, titanium

ALUMINUM Non-ferrous metals

(aluminum, copper, brass, etc.) **contaminant free**

Fe+S+Cl FREE (<.1%)



Mat'l	Size			Type 27 Part No. Encore	Type 29 Part No. Encore
	Dia.	Arbor	Grit		
Z Premium Zirconium	4-1/2	7/8	36	71205	79105
	4-1/2	7/8	40	71206	79106
	4-1/2	7/8	60	71208	79108
	4-1/2	7/8	80	71209	79109
	4-1/2	7/8	120	71211	79111
	4-1/2	5/8-11	36	71215	79115
	4-1/2	5/8-11	40	71216	79116
	4-1/2	5/8-11	60	71218	79118
	4-1/2	5/8-11	80	71219	79119
	4-1/2	5/8-11	120	71221	79211
	5	7/8	36	71225	79125
	5	7/8	40	71226	79126
	5	7/8	60	71228	79128
	5	7/8	80	71229	79129
	5	7/8	120	71231	79131
	5	5/8-11	36	71235	-
	5	5/8-11	40	71236	-
	5	5/8-11	60	71238	-
	5	5/8-11	80	71239	-
	5	5/8-11	120	71241	-
6	7/8	36	-	71245	
6	7/8	40	-	71246	
6	7/8	60	-	71248	
6	7/8	80	-	71249	
6	7/8	120	-	71251	
6	5/8-11	36	-	71255	
6	5/8-11	40	-	71256	
6	5/8-11	60	-	71258	
6	5/8-11	80	-	71259	
6	5/8-11	120	-	71261	
7	7/8	36	-	71265	
7	7/8	40	-	71266	
7	7/8	60	-	71268	
7	7/8	80	-	71269	
7	7/8	120	-	71271	
7	5/8-11	36	-	71275	
7	5/8-11	40	-	71276	
7	5/8-11	60	-	71278	
7	5/8-11	80	-	71279	
7	5/8-11	120	-	71281	

RPM's

Size	RPM's	Packaging
4-1/2"	13,300	10/box
5"	12,200	40/ctn
7"	8,500	



5/8-11 Hub

Packaging
10/box

SAIT ENCORE Mini Flap Discs



- Long life performance of a flap disc for use in confined spaces
- More material, longer life than a single layer laminated disc
- SAIT-LOK-R™ thread allows easy changeover between sanding discs, surface conditioning discs and buffing discs

Size	Grit	SAIT-LOK-R™ Part No. Mini Encore
2"	40	74820
	60	74822
	80	74823
	120	74825
3"	40	74830
	60	74832
	80	74833
	120	74835

See page 155 for SAIT-LOK-R™ backing pads

LONG LIFE

COATED ABRASIVES

FLAP DISCS

FLAP DISCS ENCORE

Regular Density



NEW!

SAIT ENCORE Plus+

(Regular Density on Fiberglass Backing Plate)

- Long life
- Premium zirconium grain on a durable polyester-cotton backing provides fast cutting action and long life
- Will not contaminate stainless steel

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel, titanium

ALUMINUM Non-ferrous metals
(aluminum, copper, brass, etc.)

**Available
Spring 2014**

contaminant **cf** free

Fe+S+Cl FREE (<.1%)



NEW!

SAIT ENCORE Ceramic

(Regular Density on Fiberglass Backing Plate)

- High performance
- Premium ceramic grain on a durable polyester-cotton backing provides high stock removal and extra long life
- Will not contaminate stainless steel

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel, titanium

**Available
Spring 2014**



Size		Grit	Part No. Encore Plus+	Part No. Encore Ceramic
Dia.	Arbor			
4-1/2	7/8	36	72800	72820
4-1/2	7/8	40	72801	72821
4-1/2	7/8	60	72802	72822
4-1/2	7/8	80	72803	72823
4-1/2	5/8-11	36	72910	72930
4-1/2	5/8-11	40	72911	72931
4-1/2	5/8-11	60	72912	72932
4-1/2	5/8-11	80	72913	72933
5	7/8	36	72807	72827
5	7/8	40	72808	72828
5	7/8	60	72809	72829
5	7/8	80	72810	72830
5	5/8-11	36	72917	72937
5	5/8-11	40	72918	72938
5	5/8-11	60	72919	72939
5	5/8-11	80	72920	72940

APPLICATIONS:

- Weld grinding and blending
- Deburring
- Finishing and blending
- Contour finishing

RPM's
4-1/2" 13,300
5" 12,200

Packaging
10/box
40/ctn



LONG LIFE

COATED
ABRASIVES

FLAP DISCS

High Density



FLAP DISCS

OVATION®



The Original
SAIT
OVATION®

(High Density on Fiberglass Backing Plate)

- High pressure is ideal for removing deeper scratches from the work surface
- Heavy duty / long life for tough applications
- Premium zirconium grain on a tough, full polyester backing
- Will not contaminate stainless steel

- METAL** Ferrous and/or non-ferrous metals
- STAINLESS** Stainless steel, high tensile steel, titanium



Mat'l	Size		Grit	Part No. Ovation®	Part No. Ovation® Attacker®
	Dia.	Arbor			
Z Premium Zirconium	4-1/2	7/8	36	78005	-
	4-1/2	7/8	40	78006	76206
	4-1/2	7/8	60	78008	76208
	4-1/2	7/8	80	78009	76209
	4-1/2	7/8	120	78011	76211
	4-1/2	5/8-11	36	78105	-
	4-1/2	5/8-11	40	78106	76316
	4-1/2	5/8-11	60	78108	76318
	4-1/2	5/8-11	80	78109	76319
	4-1/2	5/8-11	120	78111	76321
	5	7/8	36	78025	-
	5	7/8	40	78026	76226
	5	7/8	60	78028	76228
	5	7/8	80	78029	76229
	5	7/8	120	78031	76231
	5	5/8-11	36	78125	-
	5	5/8-11	40	78126	76336
	5	5/8-11	60	78128	76338
	5	5/8-11	80	78129	76339
	5	5/8-11	120	78131	76341
6	7/8	36	78035	-	
6	7/8	40	78036	76236	
6	7/8	60	78038	76238	
6	7/8	80	78039	76239	
6	7/8	120	78041	76241	
6	5/8-11	36	78135	-	
6	5/8-11	40	78136	76346	
6	5/8-11	60	78138	76348	
6	5/8-11	80	78139	76349	
6	5/8-11	120	78141	76351	
7	7/8	36	78045	-	
7	7/8	40	78046	76246	
7	7/8	60	78048	76248	
7	7/8	80	78049	76249	
7	7/8	120	78051	76251	
7	5/8-11	36	78145	-	
7	5/8-11	40	78146	76356	
7	5/8-11	60	78148	76358	
7	5/8-11	80	78149	76359	
7	5/8-11	120	78151	76361	



OVATION®
ATTACKER®

(High Density on Fiberglass Backing Plate)

- Excellent on irregular surfaces, allows the use of light pressure, and provides aggressive cutting action
- Premium zirconium grain on a cotton backing providing a softer-acting and faster cutting disc
- Will not contaminate stainless steel

- STAINLESS** Stainless steel, high tensile steel, titanium
- METAL** Ferrous and/or non-ferrous metals
- ALUMINUM** Non-ferrous metals (aluminum, copper, brass, etc.)

contaminant **cf** free

Fe+S+Cl FREE (<.1%)



RPM's
4-1/2" 13,300
5" 12,200
7" 8,500

MORE GRINDING MATERIAL =
INCREASED PRODUCTIVITY
& LONG LIFE

Packaging
10/box
40/ctn



APPLICATIONS:
Weld grinding and blending, deburring, finishing and blending, and contour finishing

PREMIUM

COATED ABRASIVES

FLAP DISCS

FLAP DISCS OVATION®

High Density



OVATION® **ATTACKER Plus+** (High Density on Fiberglass Backing Plate)

- Long life
- Premium zirconium grain on a durable polyester-cotton backing provides a fast cut and long life
- Will not contaminate stainless steel

METAL	Ferrous and/or non-ferrous metals
STAINLESS	Stainless steel, high tensile steel, titanium
ALUMINUM	Non-ferrous metals (aluminum, copper, brass, etc.)



contaminant **cf** free

Fe+S+Cl FREE (<.1%)



SAIT OVATION® **Ceramic** (High Density on Fiberglass Backing Plate)

- High Performance / High Productivity
- Premium ceramic grain on a durable polyester-cotton backing provides high stock removal and extra long life
- Will not contaminate stainless steel

METAL	Ferrous and/or non-ferrous metals
STAINLESS	Stainless steel, high tensile steel, titanium



Size		Grit	Part No. Ovation® Attacker® Plus+	Part No. Ovation® Ceramic
Dia.	Arbor			
4-1/2	7/8	36	78240	78260
4-1/2	7/8	40	78241	78261
4-1/2	7/8	60	78242	78262
4-1/2	7/8	80	78243	78263
4-1/2	5/8-11	36	78300	78320
4-1/2	5/8-11	40	78301	78321
4-1/2	5/8-11	60	78302	78322
4-1/2	5/8-11	80	78303	78323
5	7/8	36	78247	78267
5	7/8	40	78248	78268
5	7/8	60	78249	78269
5	7/8	80	78250	78270
5	5/8-11	36	78307	78327
5	5/8-11	40	78308	78328
5	5/8-11	60	78309	78329
5	5/8-11	80	78310	78330

RPM's
4-1/2" 13,300
5" 12,200

Packaging
10/box
40/ctn



APPLICATIONS:

- Weld grinding and blending
- Deburring
- Finishing and blending
- Contour finishing

PREMIUM

COATED ABRASIVES

FLAP DISCS

Regular Density



FLAP DISCS



Saitlam F™ (Regular Density on Fiberglass Backing Plate)

APPLICATIONS:

Weld grinding and blending, deburring, finishing and blending, and contour finishing

- Original design
- Available in 3 specifications
 - 2A – General purpose aluminum oxide grain on a cotton backing for

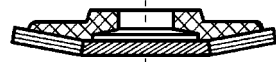
METAL

- 3A – Aluminum oxide grain with a grinding aid to help reduce heat and loading on heat sensitive materials and non-ferrous metals on a cotton backing for

METAL STAINLESS ALUMINUM

- Z – Zirconium grain for longer life on a polyester-cotton backing for

STAINLESS METAL



conical shape
(type 29)

Mat'l	Size		Grit	Part No. Saitlam F™
	Dia.	Arbor		
2A General purpose aluminum oxide	4-1/2	7/8	40	75440
	4-1/2	7/8	50	75450
	4-1/2	7/8	60	75460
	4-1/2	7/8	80	75480
	4-1/2	7/8	120	75420
	4-1/2	5/8-11	40	76440
	4-1/2	5/8-11	60	76460
	4-1/2	5/8-11	80	76480
	4-1/2	5/8-11	120	76420
	5	7/8	40	75540
	5	7/8	50	75550
	5	7/8	60	75560
	5	7/8	80	75580
	5	5/8-11	40	76540
	5	5/8-11	60	76560
	5	5/8-11	80	76580
3A* Aluminum Oxide with grinding aid	7	7/8	40	75740
	7	7/8	60	75760
	7	7/8	80	75780
	7	5/8-11	40	76740
	7	5/8-11	60	76760
	7	5/8-11	80	76780
	4-1/2	7/8	40	73341
	4-1/2	7/8	60	73361
	4-1/2	7/8	80	73381
	4-1/2	7/8	120	73321
	4-1/2	5/8-11	40	74341
	4-1/2	5/8-11	60	74361
	4-1/2	5/8-11	80	74381
	4-1/2	5/8-11	120	74321
	5	7/8	40	73804
	5	7/8	60	73806
5	7/8	80	73808	
7	7/8	40	73704	
7	7/8	50	73705	
7	7/8	60	73706	
7	7/8	80	73708	
7	5/8-11	40	74704	
7	5/8-11	60	74706	

RPM's

4-1/2"	13,300
5"	12,200
7"	8,500

Packaging

10/box
40/ctn

Mat'l	Size		Grit	Part No. Saitlam F™
	Dia.	Arbor		
Z Zirconium	4-1/2	7/8	40	73940
	4-1/2	7/8	50	73950
	4-1/2	7/8	60	73960
	4-1/2	7/8	80	73980
	4-1/2	7/8	120	73920
	4-1/2	5/8-11	40	74940
	4-1/2	5/8-11	50	74950
	4-1/2	5/8-11	60	74960
	4-1/2	5/8-11	80	74980
	4-1/2	5/8-11	120	74920
	5	7/8	40	73941
	5	7/8	50	73951
	5	7/8	60	73961
	5	7/8	80	73981
	5	5/8-11	40	74941
	5	5/8-11	60	74961
5	5/8-11	80	74981	
7	7/8	40	73942	
7	7/8	50	73952	
7	7/8	60	73962	
7	7/8	80	73982	
7	5/8-11	40	74942	
7	5/8-11	60	74962	
7	5/8-11	80	74982	
7	5/8-11	120	74922	



5/8-11 Hub

* Specially formulated to reduce heat build-up on workpiece

HIGH PERFORMANCE

COATED ABRASIVES

FLAP DISCS

FLAP DISCS

Regular Density



Saitlam U™ Winner Plus (Regular Density on Fiberglass Backing Plate)

APPLICATIONS:

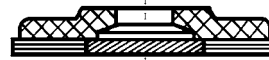
Weld grinding and blending, deburring, finishing and blending, and contour finishing

- General purpose
- Zirconium grain on a durable polyester-cotton backing for

STAINLESS METAL ALUMINUM

Saitlam UP™ (flat shape - type 27)

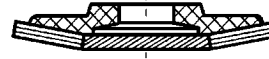
- Flat shape ideal for use on miter joints, corners and edges
- Provides an even “finish ready” surface
- For general purpose stock removal and finishing



flat shape

Saitlam UK™ (conical shape - type 29)

- Conical shape ideal for working with large surfaces or complex shapes
- Working angle is “built-in”
- For general purpose stock removal and finishing



conical shape

RPM's	
4-1/2"	13,300
5"	12,200
7"	8,500

Packaging
10/box

Mat'l	Size		Grit	Part Nos.	
	Dia.	Arbor		Saitlam UK™	Saitlam UP™
Z Zirconium	4-1/2	7/8	40	73685	73890
	4-1/2	7/8	50	73686	73891
	4-1/2	7/8	60	73687	73892
	4-1/2	7/8	80	73688	73893
	4-1/2	7/8	120	73689	73894
	5	7/8	40	73694	73895
	5	7/8	50	-	73896
	5	7/8	60	73696	73897
	5	7/8	80	73697	73898
	5	7/8	120	73698	-
	7	7/8	40	73714	-
	7	7/8	60	73716	-
	7	7/8	80	73717	-
	7	7/8	120	73718	-



Sand-Light™ Flap Discs

- Non-woven material – layered flaps create a thick, cushioned design which provides a nice finish
- Designed for surface preparation, cleaning, and finishing applications

METAL	Ferrous metals
STAINLESS	Stainless steel, high tensile steel
ALUMINUM	Non-ferrous metals

Size	Grade	Color	Part No.	Qty Per Box
4-1/2" x 7/8"	Coarse	Brown	71980	5
	Medium	Maroon	71982	5
	Very Fine	Blue	71984	5
5" x 7/8"	Coarse	Brown	71990	5
	Medium	Maroon	71992	5
	Very Fine	Blue	71994	5

GENERAL PURPOSE

COATED ABRASIVES

FLAP DISCS

Plastic Backing



FLAP DISCS

PLASTIC BACKING

COATED ABRASIVES

FLAP DISCS



TrimBack

(Regular Density on Plastic Backing Plate)

- Specially designed trimmable ABS plastic – allows you to **easily trim away** the back of the disc to expose more abrasive material
- Premium zirconium grain on a durable polyester-cotton backing for **long life** on **STAINLESS METAL ALUMINUM**
- **Unique 5/8-11 Hub Design** built for **Safety & Ease of Use:**
 - No machine flanges required
 - Heat & strip resistant metal threads



5/8-11 Super-Lock™ Hub	RPM's	Packaging
4-1/2"	13,300	10/box
5"	12,200	40/ctn

APPLICATIONS:

Weld grinding and blending, deburring, finishing and blending, and contour finishing



Saitlam™ (Regular Density on Nylon Backing Plate)

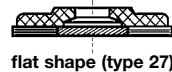
- Dual flap design – available in **2A METAL**, **3A STAINLESS METAL ALUMINUM**, **Z STAINLESS METAL**
- Cotton backing
- Original nylon backing

Dia.	RPM	Packaging
4"	13,000	10/box with nut
4-1/2"	11,000	10/box with nut
6-1/2"	8,600	10/box with nut and backing pad

NOTE: • 4" and 4-1/2" Saitlam™ must be used with nut
• 6-1/2" must be used with backing pad and nut

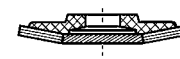
See page 156 for additional pads and nuts

Saitlam™

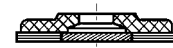


Mat'l	Size		Grit	Saitlam™ Part No.
	Dia.	Arbor		
2A General purpose aluminum oxide	4	5/8	40	73240
	4	5/8	60	73260
	4	5/8	80	73280
	4	5/8	120	73220
	4-1/2	7/8	40	73440
	4-1/2	7/8	60	73460
	4-1/2	7/8	80	73480
	4-1/2	7/8	120	73420
	6-1/2	7/8	36	73636
	6-1/2	7/8	50	73650
	6-1/2	7/8	60	73660
	6-1/2	7/8	80	73680
3A* Aluminum Oxide with grinding aid	4	5/8	40	73040
	4	5/8	60	73060
	4	5/8	80	73080
	4	5/8	120	73020
	4-1/2	7/8	40	73340
	4-1/2	7/8	60	73360
	4-1/2	7/8	80	73380
	4-1/2	7/8	120	73320
	6-1/2	7/8	36	73836
	6-1/2	7/8	50	73850
	6-1/2	7/8	60	73860
	Z Zirconium	4	5/8	40
4		5/8	50	73150
4		5/8	60	73160
4		5/8	80	73180
4-1/2		7/8	40	73540
4-1/2		7/8	50	73550
4-1/2		7/8	60	73560
4-1/2		7/8	80	73580
6-1/2		7/8	36	73736
6-1/2		7/8	50	73750
6-1/2		7/8	60	73760

* Specially formulated to reduce heat build-up on workpiece



Mat'l	Size		Grit	TrimBack Type 29 Part No.
	Dia.	Arbor		
Z Premium Zirconium	4-1/2	7/8	36	70800
	4-1/2	7/8	40	70801
	4-1/2	7/8	60	70802
	4-1/2	7/8	80	70803
	4-1/2	5/8-11	36	70910
	4-1/2	5/8-11	40	70911
	4-1/2	5/8-11	60	70912
	4-1/2	5/8-11	80	70913
	5	7/8	36	70807
	5	7/8	40	70808
	5	7/8	60	70809
	5	7/8	80	70810
5	5/8-11	36	70917	
5	5/8-11	40	70918	
5	5/8-11	60	70919	
5	5/8-11	80	70920	



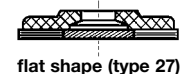
Mat'l	Size		Grit	TrimBack Type 27 Part No.
	Dia.	Arbor		
Z Premium Zirconium	4-1/2	7/8	36	70850
	4-1/2	7/8	40	70851
	4-1/2	7/8	60	70852
	4-1/2	7/8	80	70853
	4-1/2	5/8-11	36	70960
	4-1/2	5/8-11	40	70961
	4-1/2	5/8-11	60	70962
	4-1/2	5/8-11	80	70963
	5	7/8	36	70857
	5	7/8	40	70858
	5	7/8	60	70859
	5	7/8	80	70860
	5	5/8-11	36	70967
	5	5/8-11	40	70968
	5	5/8-11	60	70969
	5	5/8-11	80	70970



Saitlam PN™ (Regular Density on Plastic Backing Plate)

- General purpose (non-trimmable)
- Zirconium grain with a cotton backing
- Original plastic backing for **STAINLESS METAL**

Saitlam PN™



Mat'l	Size		Grit	Saitlam PN™ Part No.
	Dia.	Arbor		
Z Zirconium	4-1/2	7/8	40	73502
	4-1/2	7/8	50	73503
	4-1/2	7/8	60	73504
	4-1/2	7/8	80	73505
	4-1/2	7/8	120	73506

FLAP WHEELS

Small Diameter



Die Grinder

Mat'l	Size		Grit	Part Number	
	Dia.	Width		1/4	1/4-20 Threaded
2A General purpose aluminum oxide	1	3/4	60	70001	71000
	1	3/4	80	70002	71001
	1	3/4	120	70003	71002
	1	3/4	180	70004	71003
	1	3/4	240	70005	71004
	1	1	60	70010	71010
	1	1	80	70011	71011
	1	1	120	70012	71012
	1	1	180	70013	71013
	1	1	240	70014	71014
	1-1/2	1/2	40	70024	-
	1-1/2	1/2	60	70025	71020
	1-1/2	1/2	80	70026	71021
	1-1/2	1/2	120	70027	71022
	1-1/2	1/2	180	70028	71023
	1-1/2	1/2	240	70029	71024
	1-1/2	1	60	70040	71030
	1-1/2	1	80	70041	71031
	1-1/2	1	120	70042	71032
	1-1/2	1	180	70043	71033
	1-1/2	1	240	70044	71034
	2	1	40	70049	-
	2	1	60	70050	71040
	2	1	80	70051	71041
	2	1	120	70052	71042
	2	1	180	70053	71043
	2	1	240	70054	71044
	2-1/2	1/2	60	70060	71050
	2-1/2	1/2	80	70061	71051
	2-1/2	1/2	120	70062	71052
	2-1/2	1/2	180	70063	71053
	2-1/2	1/2	240	70064	71054
	2-1/2	1	40	70069	-
	2-1/2	1	60	70070	71055
	2-1/2	1	80	70071	71056
	2-1/2	1	120	70072	71057
	2-1/2	1	180	70073	71058
	2-1/2	1	240	70074	71059
	3	1/2	60	70080	71060
	3	1/2	80	70081	71061
	3	1/2	120	70082	71062
	3	1/2	180	70083	71063
	3	1/2	240	70084	71064
	3	3/4	60	70090	71070
	3	3/4	80	70091	71071
3	3/4	120	70092	71072	
3	3/4	180	70093	71073	
3	3/4	240	70094	71074	
3	1	40	70099	-	
3	1	60	70100	71080	
3	1	80	70101	71081	
3	1	120	70102	71082	
3	1	180	70103	71083	
3	1	240	70104	71084	
3	2	40	70110	-	
3	2	60	70111	-	
3	2	80	70112	-	
3	2	120	70113	-	
2	1	60	74050	71160	
2	1	80	74051	71161	
2	1	120	74052	71162	
2-1/2	1	60	74060	71170	
2-1/2	1	80	74061	71171	
2-1/2	1	120	74062	71172	
3	1	60	74070	71180	
3	1	80	74071	71181	
3	1	120	74072	-	
3A Aluminum Oxide with grinding aid					

Aluminum Oxide 2A

- Premium aluminum oxide grain
- **General purpose**
- Excellent for cleaning, deburring, polishing, blending

METAL Ferrous and/or non-ferrous metals (iron, steel, aluminum, copper, etc.)

WOOD Wood, plastic, fiberglass, etc.

Aluminum Oxide with Grinding Aid 3A

- Premium aluminum oxide grain with grinding aid
- **Excellent for reducing heat build-up on heat sensitive materials**
- Excellent for cleaning, deburring, polishing, blending

STAINLESS Stainless steel, high tensile steel, titanium

METAL Ferrous and/or non-ferrous metals

Straight 1/4" and threaded 1/4-20 mandrels available
See page 156 for 1/4-20 adapter

Packaging
10/box



COATED ABRASIVES

FLAP WHEELS



- Resin over resin construction for a strong bond resistant to heat and moisture
- Closed coat structure for more material removal
- High quality Egyptian cotton cloth backing provides superior durability
- UPC bar coded labeled boxes for easy identification and inventory maintenance

Large Diameter



Pedestal Grinder Angle Grinder

FLAP WHEELS

Aluminum Oxide 2A

- Premium aluminum oxide grain
- **General purpose**
- Excellent for cleaning, deburring, polishing, blending

- METAL** Ferrous metals
- ALUMINUM** Non-ferrous metals
- WOOD** Wood, plastic, fiberglass, etc.



Aluminum Oxide 3A with Grinding Aid

- Premium aluminum oxide grain with grinding aid
- **Excellent for reducing heat build-up on heat sensitive materials**
- Excellent for cleaning, deburring, polishing, blending

- STAINLESS** Stainless steel, high tensile steel, titanium
- ALUMINUM** Non-ferrous metals
- METAL** Ferrous metals



Threaded Flap Wheel (5/8-11 for Right Angle Grinder)

- For use on standard 4-1/2" and 5" angle grinders
- **Applies a linear scratch pattern, instead of a swirl; narrow profile is excellent for cleaning weld beads**
- Suitable for surface preparation, paint and rust removal, cleaning, and finishing
- Increases the versatility of your angle grinder

- STAINLESS** Stainless steel, high tensile steel, titanium
- METAL** Ferrous materials
- ALUMINUM** Non-ferrous materials

Mat'l	Size			Max RPM	Grits Available	Part No.
	Dia.	Width	Spindle			
2A Premium aluminum oxide	6	1	1	6,000	60	72000
	6	1	1	6,000	80	72001
	6	1	1	6,000	100	72002
	6	1	1	6,000	120	72003
	6	1-1/2	1	6,000	60	72020
	6	1-1/2	1	6,000	80	72021
	6	1-1/2	1	6,000	120	72023
	6	2	1	6,000	60	72030
	6	2	1	6,000	80	72031
	6	2	1	6,000	100	72032
	6	2	1	6,000	120	72033
	8	1	1	4,400	60	72040
	8	1	1	4,400	80	72041
	8	1	1	4,400	100	72042
	8	1	1	4,400	120	72043
	8	2	1	4,400	60	72050
	8	2	1	4,400	80	72051
	8	2	1	4,400	100	72052
	8	2	1	4,400	120	72053
	3A Premium aluminum oxide with grinding aid	6	1	1	6,000	60
6		1	1	6,000	80	72006
6		1	1	6,000	120	72008
6		1-1/2	1	6,000	60	72025
6		1-1/2	1	6,000	80	72026
6		2	1	6,000	60	72035
6		2	1	6,000	80	72036
6		2	1	6,000	120	72038

Dia.	Size		Max RPM	Grits Available	Part No.
	Width	Arbor			
4-1/2	3/4	5/8-11	13,300	40	72130
4-1/2	3/4	5/8-11	13,300	60	72132
4-1/2	3/4	5/8-11	13,300	80	72133
4-1/2	3/4	5/8-11	13,300	120	72135
5	3/4	5/8-11	12,200	40	72140
5	3/4	5/8-11	12,200	60	72142
5	3/4	5/8-11	12,200	80	72143
5	3/4	5/8-11	12,200	120	72145

Packaging
5/box

For use on a Right Angle Grinder

Quick Tip
Slower speeds = better flap wheel performance and life.

See page 156 for:
1"-5/8" bushing - #95214
1/4" shank adapter kit - #95009

Packaging
6" - 5/box
8" - 3/box



- Resin over resin construction for a strong bond resistant to heat and moisture
- Closed coat structure for more material removal
- High quality Egyptian cotton cloth backing provides superior durability
- Label UPC bar coded for easy identification and inventory maintenance

COATED ABRASIVES
FLAP WHEELS

SHEETS

INTRODUCTION



- Full product offering of cloth and paper sheets in a variety of sizes and materials to fit your needs.
- Whether you are working by hand or with mechanical assistance, these products are sure to exceed your expectations.



Ultimate Performance Paper Sheets (pg. 108-109):

- Highest quality industrial paper.
- Available in:
 - Aluminum oxide (AW-C and AW-D)
 - Premium stearate aluminum oxide (4S)
 - Stearate aluminum oxide (3S)
 - Silicon carbide (CW-C)
 - Garnet



Premium Cloth 9 X 11 sheets (pg. 108):

- SAIT DA-F Cloth Sheet
- Very flexible while maintaining the highest durability.
- Open coat design.
- SAIT EA-S Cloth Sheet **NEW!**
- Tear-resistant and non-loading.
- Great for hand sanding wood, aluminum, and painted surfaces.



Saitscreen™ 9 X 11 sheets (pg. 112):

- Cloth screen impregnated with silicon carbide grain.
- Non-loading, wet/dry design.



Fileboard sheets (pg. 110-111):

- For use on straight line machine and hand held files with clip-on design and PSA design.
- Available in:
 - Clip on design (2-3/4" x 17-1/2") with our 4S premium aluminum oxide.
 - PSA (2-3/4" x 16-1/2") and PSA Roll with our 4S premium aluminum oxide stearate material.
 - Zirconium (Z-F) material is available in PSA and hook & loop (2-3/4" x 16-1/2") and clip on design.



Dry Wall Sheets (pg. 112):

- Premium products to fit plaster and dry wall joint applications.
- Available in Saitscreen™ cloth screen and silicon carbide paper sheets and rolls.



Sponges (pg. 113):

- Premium quality sanding sponges for top performance.
- Available in:
 - 1" sanding blocks
 - 1/2" fabric reinforced
 - 5mm contour pads.



Hand Sanding

Cloth Sheets



Aluminum Oxide (DA-F)

- Aluminum oxide grain on a flexible cloth backing
- Open coat structure prevents loading
- Water resistant
- Long life combined with excellent stock removal
- **Excellent for woodworking applications**

WOOD Wood, plastic, fiberglass

METAL Ferrous and/or non-ferrous materials (iron, steel, copper, etc.)

- Available in F-weight - high flexibility

Stearate Aluminum Oxide (EA-S)

- Aluminum oxide grain on a flexible tear-resistant cloth backing
- **Stearate coating and open coat structure lubricates and prevents loading**
- **Excellent for hand sanding wood, aluminum, and painted surfaces**

WOOD Wood, plastic, fiberglass

METAL Ferrous and/or non-ferrous materials (iron, steel, copper, etc.)

- Available in F-weight - high flexibility

Aluminum Oxide

Size	Grit	DA-F Part No.	EA-S Part No.	Std Pkg.
9 x 11	36	84907	-	25
	40	84908	-	25
	50	84909	-	25
	60	84910	-	25
	80	84911	-	25
	100	84912	-	50
	120	84913	84160	50
	150	84914	84161	50
	180	84915	84162	50
	220	84916	84163	50
	240	84917	-	50
	320	84918	84166	50
	400	-	84167	50



Paper Sheets

	Size	Grit Wgt.	Part No.	Std Pkg.
Aluminum Oxide	9 x 11 AW-D	40D	84211	100
		50D	84212	100
		60D	84213	100
		80D	84214	100
		100D	84215	100
		120D	84216	100
9 x 11 AW-C	150C	84200	100	
	180C	84201	100	
	220C	84202	100	
	240C	84203	100	
	320C	84204	100	
	400C	84205	100	
	500C	84206	100	
	600C	84207	100	
	800C	84208	100	
	1200C	84209	100	
Garnet	9 x 11	50D	84101	50
		60C	84102	50
		80C	84103	50
		100C	84104	100
		120C	84105	100
		180A	84107	100
		220A	84108	100

Aluminum Oxide (AW-C & AW-D)

- Extremely long lasting
- Open coat structure prevents loading
- Use wet or dry

WOOD Wood, sealers, fillers

METAL Ferrous and/or non-ferrous metals

- **Available in grits up to 1200 for ultra fine finishing**
- Available in weights: "C"-medium weight, medium flexibility
"D"-heavy weight, low flexibility

Garnet

- Natural garnet grain
- Open coat structure prevents loading
- Use dry only

WOOD Soft woods

- Available in weights: "A"-light weight, high flexibility
"C"-medium weight, medium flexibility
"D"-heavy weight, low flexibility



- Resin over resin construction for a strong bond resistant to heat and moisture
- Cloth backing for durability and flexibility
- Box label UPC bar coded for easy identification and inventory maintenance
- Our highest quality industrial paper for extra durability on all applications
- Broad assortment of grit sizes for a wide range of sanding and finishing applications
- Strong resin over resin bond construction is resistant to heat and moisture



Premium Stearate Aluminum Oxide (4S)

- Premium aluminum oxide
- **Stearate coating and open coat structure lubricates and prevents loading**
- Long lasting performance and fast removal rates for fine finishing of automotive body works and wood finishing
- Use dry only
- Available in C-weight - medium weight, low flexibility

WOOD Body filler, paint, fiberglass, wood and fiberglass

METAL Ferrous and non-ferrous metals

Stearate Aluminum Oxide (3S)

- Extremely long lasting
- **Open coat structure prevents loading**
- Use dry only

WOOD Sealers, body filler, paint, fiberglass, wood

METAL Aluminum

- Available in grits up to 500 for fine finishing
- Available in C-weight - medium weight, medium flexibility



COATED
ABRASIVES

SHEETS

Stearate Aluminum Oxide

Size	Grit Wgt.	Part No.		Std Pkg.
		3S	4S	
9 x 11	80C	84230	84283	100
	100C	84231	84284	100
	120C	84232	84285	100
	150C	84233	84286	100
	180C	84234	84287	100
	220C	84235	84288	100
	240C	84236	84289	100
	320C	84237	84290	100
	400C	84238	84291	100
	500C	84239	84292	100
	600C	-	84293	100

Waterproof Silicon Carbide (CW-C)

- Extremely long lasting
- **Closed coat structure for more material removal**
- Use wet or dry

WOOD Varnish, plastic, fiberglass, clear coat, primer

CONCRETE Marble, ceramics

METAL Ferrous and/or non-ferrous metals

- Available in grits up to 2000 for ultra fine finishing
- Available in C-weight - medium weight, medium flexibility

Waterproof Silicon Carbide

Size	Grit Wgt.	Part No.	Std Pkg.
9 x 11 CW-C	80C	84249	100
	100C	84250	100
	120C	84251	100
	150C	84252	100
	180C	84253	100
	220C	84254	100
	240C	84255	100
	320C	84256	100
	400C	84257	100
	500C	84258	100
	600C	84259	100
	800C	84260	100
	1200C	84261	100
5-1/2 x 9 CW-C	1000C	84270	50
	1200C	84271	50
	1500C	84274	50
	2000C	84277	50



Fileboard

4S Premium Fileboard Sheets/Rolls

- EXCELS ON PAINTED SURFACES
- Premium Aluminum Oxide grain
- Top quality stearate coating and open coat structure lubricates and prevents loading
- Best choice for auto body applications
- Roll form allows user to cut roll as needed
- Available in PSA, hook & loop, Clip-on and Rolls



3S PSA Fileboard Sheets

- AUTOBODY AND BARE METAL APPLICATIONS
- Aluminum Oxide grain
- Stearate coating and open coat structure lubricates and prevents loading
- Excellent choice for general auto body work

WOOD Auto body filler, paint and fiberglass

METAL Ferrous and/or non-ferrous metals

COATED
ABRASIVES

SHEETS



	Size	Grit Wgt.	Part No.	Std Pkg.	
4S PSA	2-3/4 x 16-1/2	80	84351	25	
		100	84352	25	
		120	84353	25	
		150	84354	25	
		180	84355	25	
		220	84356	25	
4S H&L	2-3/4 x 16-1/2	320	84359	25	
		400	84360	25	
		80	84371	25	
		100	84372	25	
		120	84373	25	
		150	84374	25	
4S Clip-on	2-3/4 x 17-1/2	180	84375	25	
		220	84376	25	
		320	84379	25	
		80	84331	25	
4S PSA Rolls	2-3/4 x 25 yds.	100	84332	25	
		120	84333	25	
		150	84334	25	
		180	84335	25	
3S PSA	2-3/4 x 16-1/2	320	84339	25	
		320	34777	1	
			100C	84114	25
			150C	84116	25

Tech
INFO

- Standard sizes for use in straight inline sanders and hand files with clip-on, PSA and hook and loop designs
- Available in 2 grain types
- High loft hook and loop backing provides optimum attachment
- For dry use only



Zirconium Fileboard Sheets (Z-F)

- Premium Zirconium grain for aggressive stock removal and sanding
- Heavy duty F-weight prevents torn edges eliminating deep, uneven, random scratches
- Best choice for heavy sanding and shaping on contours
- Available in hook and loop, PSA, and clip-on

Aluminum Oxide clip-on Fileboard Sheets

- Aluminum Oxide grain
- Open coat structure prevents loading

WOOD Auto body filler, paint and fiberglass

METAL Ferrous and/or non-ferrous metals



	Size	Grit Wgt.	Part No.	Std Pkg.
Z-F PSA	2-3/4 x 16-1/2	40	83110	25
		80	83113	25
Z-F H&L	2-3/4 x 17-1/2	40	83140	25
		80	83143	25
Z-F clip-on	2-3/4 x 17-1/2	40	83170	25
		80	83173	25
Aluminum Oxide	2-3/4 x 17-1/2	36D	84170	50
		40D	84171	50
		60D	84172	100
		80D	84173	100
		100C	84174	100

Tech INFO

- Standard sizes for use in straight inline sanders and hand files with clip-on, PSA and hook and loop designs
- Available in 2 grain types
- High loft hook and loop backing provides optimum attachment
- For dry use only



Saitscreen™

- Strong cloth screen impregnated with silicon carbide grain
- Open coat structure prevents loading
- Use wet or dry
- **Extremely long lasting**
- Double sided and die cut

WOOD Plaster, dry wall joints

Paper

- Aluminum oxide grain
- Paper backing
- Open coat structure prevents loading
- Use dry
- **Provides a smooth finish**
- Easy-to-handle rolls for on-the-job "cut to size" use

WOOD Plaster, dry wall joints



Saitscreen™ 9 x 11 Sheets

- Cloth screen impregnated with silicon carbide grain
- Use wet or dry
- Non-loading
- **Strong, long lasting**

WOOD Body filler, paint, fiberglass

CONCRETE Ceramic, marble, cement

METAL Ferrous and/or non-ferrous metals



Size	Grit Wgt.	Part No.	Std Pkg.
Saitscreen™ 4-3/16 x 11	80	84070	50
	100	84071	50
	220	84075	50
Diecut	80C	84066	100
	100C	84067	100
	120C	84068	100
Paper 3-5/16 x 11	150C	84069	100
	80C	84051	100
	100C	84050	100
Diecut	120C	84052	100
	150C	84053	100
	Paper 3-5/16 x 50 yds.	80C	84056
100C		84057	1
120C		84058	1
Saitscreen™ 9 x 11	150C	84059	1
	80	84076	25
	100	84077	25
	120	84078	25
	150	84079	25



- Available in screen or paper sheets offering the best product for your application
- Open coat structures on both backings prevents clogging and loading in extreme applications



Hand Sanding

Sanding Sponges

- Premium abrasive grain on a soft, foam backing
- Foam backing provides ultimate conformability and is washable for long life
- For use on wood moldings, metal contours, drywall sanding, and paint removal applications

WOOD Hardwoods and softwoods, plastic, paint fiberglass, auto body filler, and drywall compounds

METAL Ferrous and/or non-ferrous metals



Note: Sponges are double sided

Hi-Density Sanding Block

Contour Sanding Pad

Fabric Reinforced Sanding Pad

Size	Grit Available	Part Nos.	Qty Per Box
1"	60	86355	24
	80	86356	24
	100	86357	24
	120	86359	24
	180	86360	24
5 mm	60	86445	100
	100	86447	100
	180	86450	100
	280	86451	100
1/2"	60	86475	24
	100	86477	24
	150	86479	24
	180	86480	24
	220	86481	24

COATED ABRASIVES

SHEETS



- Sanding sponges can be used wet or dry for fine finishing and can be washed to extend cutting life (just wash with water)
- In general, the finish of sanding sponges will be finer than traditional coated abrasives
- Due to the ability to conform to different shapes, sanding sponges are able to sand and finish in hard to reach areas



Industrial Rolls - EA-F

- Aluminum oxide grain
- Premium quality EA-F material for very high flexibility
- High tensile strength, extra durable backing
- Long life
- **Primarily for machine applications**

METAL Ferrous and/or non-ferrous metals (iron, aluminum, copper, normal and high tensile steel)

WOOD Wood, fiberglass, etc.

Handy Rolls - DA-F

- Aluminum oxide grain
- High quality DA-F material for high flexibility
- Medium tensile strength
- **Primarily for hand applications**

METAL Ferrous and/or non-ferrous materials (iron, aluminum, copper, normal and high tensile steel)

WOOD Wood, fiberglass, etc.



COATED
ABRASIVES

SHOP ROLLS

EA-F Industrial Rolls

Size Width	Grit	Part No.
1"	40	80415
	50	80515
	60	80615
	80	80815
	100	81015
	120	81215
	150	81515
	180	81815
	220	82215
	240	82415
1-1/2"	320	83215
	400	83415
	40	80416
	50	80516
	60	80616
	80	80816
	100	81016
	120	81216
	150	81516
	180	81816
2"	220	82216
	240	82416
	320	83216
	400	83416
	40	80430
	50	80530
	60	80630
	80	80830
	100	81030
	120	81230
150	81530	
180	81830	
220	82230	
240	82430	
320	83230	
400	83430	

DA-F Handy Rolls

Size Width	Grit	Part No.
1"	40	80405
	50	80505
	60	80605
	80	80805
	100	81005
	120	81205
	150	81505
	180	81805
	220	82205
	240	82405
1-1/2"	320	83205
	400	83405
	40	80406
	50	80506
	60	80606
	80	80806
	100	81006
	120	81206
	150	81506
	180	81806
2"	220	82206
	240	82406
	320	83206
	400	83406
	40	80420
	50	80520
	60	80620
	80	80820
	100	81020
	120	81220
150	81520	
180	81820	
220	82220	
240	82420	
320	83220	
400	83420	

Packaging
50 yd length, 1/box

Tech
INFO

- Resin over resin construction for a strong bond resistant to heat and moisture
- Egyptian cotton cloth backing for superior durability
- Available in 2 tensile strengths for a wide range of applications
- Open coat structure prevents loading
- Box label UPC bar coded for easy identification and inventory maintenance



DA-F Mini Shop Rolls

- Aluminum oxide grain
- DA-F material for high flexibility
- Open coat structure prevents loading
- **For hand applications**

METAL Ferrous and/or non-ferrous materials

WOOD Wood, fiberglass, etc.

Packaging
10 yard lengths

DA-F Mini Shop Rolls

Size	Grit	Part No.
1-1/2" x 10 yds.	60	80607
	80	80807
	120	81207
	180	81807



EA-F Custom Rolls

- Premium quality EA-F material for very high flexibility used in industrial rolls
- Open coat structure prevents loading

DA-F Custom Rolls

- Flexible DA-F material used in handy rolls
- Open coat structure prevents loading

METAL Ferrous and/or non-ferrous materials

WOOD Wood, fiberglass, etc.

Can be slit up to 3 cuts, 3" minimum width
Specify widths when ordering

Packaging
50 yard lengths

DA-F Custom Rolls

Size Width	Grit	Part No.
12"	40	81440
	50	81450
	60	81460
	80	81480
	100	81410
	120	81412
	150	81415
	180	81418
	220	81422
	240	81424
	320	81432
	400	81404

EA-F Custom Rolls

Size Width	Grit	Part No.
12"	40	81640
	50	81650
	60	81660
	80	81680
	100	81610
	120	81612
	150	81615
	180	81618
	220	81622
	240	81624
	320	81632
	400	81604



- Resin over resin construction for a strong bond resistant to heat and moisture
- Egyptian cotton cloth backing for superior durability
- Available in 2 tensile strengths for a wide range of applications
- Open coat structure prevents loading
- Box label UPC bar coded for easy identification and inventory maintenance

COATED ABRASIVES

SHOP ROLLS



Saitscreen™ Rolls

- Silicon carbide grain
- Long life
- Waterproof
- Non-loading screen cloth

METAL Ferrous and/or non-ferrous metals
(steel, solder, copper)

CONCRETE Ceramic

WOOD Wood, paint, etc.

Individually packaged rolls

Saitscreen™ Rolls	Size Width	Grit	Part No.
1-1/2" x 5 yds.		80	84089
		120	84092
		180	84095
1-1/2" x 10 yds.		80	84090
		120	84093
		180	84096
1-1/2" x 25 yds.		80	84091
		120	84094
		180	84097



Plumber Rolls

- Aluminum oxide grain
- Open coat structure prevents loading
- Use dry only
- Excellent for cleaning pipe ends

METAL Ferrous and/or non-ferrous materials,
copper piping

Packaged 1/box

Plumber Rolls

Size Width	Grit	Part No.
1-1/2" x 25 yds	120	80000



Saitscreen™ Rolls

- Double sided for long life
- Box label UPC bar coded for easy identification and inventory maintenance

Plumber Rolls

- Box label UPC bar coded for easy identification and inventory maintenance
- Cloth backed for durability and flexibility



Die Grinder

Aluminum Oxide - General Purpose

Premium Aluminum Oxide Grain

- Excellent for removing parting lines, imperfections, and burrs on all surfaces
- Great in curved, corner, contoured, and hard to reach areas

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel, wood

See page 157 for Drums



Spiral Bands

Size	Grit	Max RPM	Part Nos.	Qty Per Box
1/2 x 1/2	60	30,000	42001	100
	80	30,000	42002	100
	120	30,000	42003	100
1/2 x 1	60	15,000	42006	100
	80	15,000	42007	100
	120	15,000	42008	100
1/2 x 1-1/2	60	12,000	42011	100
	80	12,000	42012	100
	120	12,000	42013	100
3/4 x 1	36	19,000	42016	100
	60	19,000	42017	100
	80	19,000	42018	100
	120	19,000	42019	100
3/4 x 1-1/2	60	10,000	42022	100
	80	10,000	42023	100
	120	10,000	42024	100
1 x 1	36	18,000	42027	100
	60	18,000	42028	100
	80	18,000	42029	100
	120	18,000	42030	100
1-1/2 x 1	36	14,000	42033	100
	60	14,000	42034	100
	80	14,000	42035	100
	120	14,000	42036	100
1-1/2 x 1-1/2	36	10,000	42039	100
	60	10,000	42040	100
	80	10,000	42041	100
	120	10,000	42042	100
2 x 2	36	6,000	42045	50
	60	6,000	42046	50
	80	6,000	42047	50
	120	6,000	42048	50
3 x 3	36	3,000	42051	50
	60	3,000	42052	50
	80	3,000	42053	50
	120	3,000	42054	50



COATED ABRASIVES

SPECIALTIES



- Single ply of coated abrasive, spirally wound and bonded to an inner liner
- Quick removal and installation
- Smooth running for ease of use and control

Cartridge Rolls



Die Grinder

SPECIALTIES

Aluminum Oxide - Straight

Premium Aluminum Oxide Grain

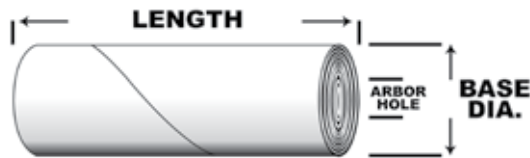
- Excellent for sanding and polishing channels, fillets, recesses, side walls, and bottoms of dead-end holes
- Great for high speed deburring and flash removal

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel

Packaging 100/box

See page 157 for Cartridge Roll mandrels



Size B x L x A	Grit	Max RPM	Cartridge Roll Part Nos.	Mandrel Part Nos.
3/16 x 1 x 3/32	80	26,000	38001	95108
	120	26,000	38003	95108
1/4 x 1 x 1/8	60	26,000	38007	95105
	80	26,000	38008	95105
	120	26,000	38010	95105
1/4 x 1-1/2 x 1/8	320	26,000	38013	95105
	60	26,000	38014	95104
	80	26,000	38015	95104
1-1/2 x 1/8	120	26,000	38017	95104
	240	26,000	38019	95104
	60	26,000	38027	95105
5/16 x 1 x 1/8	120	26,000	38029	95105
	60	26,000	38040	95105
3/8 x 1 x 1/8	80	26,000	38041	95105
	120	26,000	38043	95105
	50	26,000	38047	95104
3/8 x 1-1/2 x 1/8	60	26,000	38048	95104
	80	26,000	38049	95104
	120	26,000	38051	95104
3/8 x 2 x 1/8	60	26,000	38055	95103
	80	26,000	38056	95103
	50	26,000	38062	95105
1/2 x 1 x 1/8	60	26,000	38063	95105
	80	26,000	38064	95105
	120	26,000	38066	95105

Size B x L x A	Grit	Max RPM	Cartridge Roll Part Nos.	Mandrel Part Nos.
1/2 x 1-1/2 x 1/8	36	26,000	38070	95104
	40	26,000	38071	95104
	50	26,000	38072	95104
	60	26,000	38073	95104
	80	26,000	38074	95104
1/2 x 2 x 1/8	120	26,000	38076	95104
	60	26,000	38080	95103
	80	26,000	38081	95103
1/2 x 2 x 3/16	120	26,000	38083	95103
	60	26,000	38087	95106
	80	26,000	38088	95106
5/8 x 1-1/2 x 1/8	120	26,000	38089	95106
	60	18,000	38093	95104
	80	18,000	38094	95104
3/4 x 1-1/2 x 3/16	120	18,000	38095	95104
	40	18,000	38112	95107
	60	18,000	38113	95107
3/4 x 2 x 3/16	80	18,000	38114	95107
	40	18,000	38119	95106
	60	18,000	38120	95106
1 x 1-1/2 x 1/4	80	18,000	38121	95106
	120	18,000	38122	95106
	60	18,000	38126	95102
1 x 2 x 1/4	80	18,000	38127	95102
	120	18,000	38128	95102
	60	18,000	38132	95101
1 x 2 x 1/4	80	18,000	38133	95101
	120	18,000	38134	95101



- Multi-layer, self dressing construction - exposes sharp, new cutting abrasive as each layer wears away
- Available in straight and full taper designs - long lasting performance
- Quick removal and installation - less downtime

COATED
ABRASIVES

SPECIALTIES



Die Grinder

Aluminum Oxide - Full Taper

Premium Aluminum Oxide Grain

- Excellent for sanding and polishing channels, fillets, recesses, side walls, and bottoms of dead-end holes
- Great for high speed deburring and flash removal

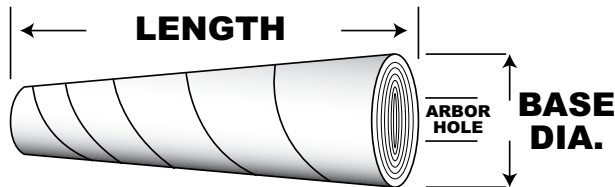
METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel

Packaging

100/box

See page 157 for Cartridge Roll mandrels



Base Dia.	Size		Grit	Max RPM	Cartridge Roll Part Nos.	Mandrel Part Nos.
	Length	Arbor Hole				
3/8	1	1/8	60	26,000	38300	95105
3/8	1	1/8	80	26,000	38301	95105
3/8	1	1/8	120	26,000	38302	95105
3/8	1-1/2	1/8	60	26,000	38306	95104
3/8	1-1/2	1/8	80	26,000	38307	95104
3/8	1-1/2	1/8	120	26,000	38308	95104
1/2	1	1/8	60	26,000	38312	95105
1/2	1	1/8	80	26,000	38313	95105
1/2	1	1/8	120	26,000	38314	95105
1/2	1-1/2	1/8	50	26,000	38318	95104
1/2	1-1/2	1/8	60	26,000	38319	95104
1/2	1-1/2	1/8	80	26,000	38320	95104
1/2	1-1/2	1/8	120	26,000	38322	95104
1/2	2	1/8	60	26,000	38326	95103
1/2	2	1/8	80	26,000	38327	95103
1/2	2	1/8	120	26,000	38328	95103
5/8	2	1/8	60	18,000	38332	95103
5/8	2	1/8	80	18,000	38333	95103
5/8	2	1/8	120	18,000	38334	95103
3/4	1-1/2	1/8	60	18,000	38338	95104
3/4	1-1/2	1/8	80	18,000	38339	95104
3/4	1-1/2	1/8	120	18,000	38340	95104
3/4	2	3/16	60	18,000	38344	95106
3/4	2	3/16	80	18,000	38345	95106
3/4	2	3/16	120	18,000	38346	95106

COATED ABRASIVES

SPECIALTIES



- Multi-layer, self dressing construction - exposes sharp, new cutting abrasive as each layer wears away
- Available in straight and full taper designs - long lasting performance
- Quick removal and installation - less downtime



Die Grinder

Cross Pads

Size	Mandrel Size	Grit	Recommended RPM Range	Max RPM	Part No.	Qty Per Box
1 x 3/8	3-48	60	20,000-23,000	25,000	48036	50
	3-48	80	20,000-23,000	25,000	48037	50
	3-48	120	20,000-23,000	25,000	48038	50
1-1/2	8-32	60	19,000-20,000	23,000	48041	50
	8-32	80	19,000-20,000	23,000	48042	50
2 x 1/2	8-32	60	19,000-20,000	23,000	48046	50
	8-32	80	19,000-20,000	23,000	48047	50
	8-32	120	19,000-20,000	23,000	48048	50
2 x 1	1/4-20	60	19,000-20,000	23,000	48051	50
	1/4-20	80	19,000-20,000	23,000	48052	50
	1/4-20	120	19,000-20,000	23,000	48053	50
3 x 1	1/4-20	60	10,000-12,000	14,000	48056	50
	1/4-20	80	10,000-12,000	14,000	48057	50
	1/4-20	120	10,000-12,000	14,000	48058	50
4 x 1	1/4-20	60	9,000-10,000	14,000	48061	50
	1/4-20	80	9,000-10,000	14,000	48062	50
	1/4-20	120	9,000-10,000	14,000	48063	50

Aluminum Oxide - General Purpose Premium Aluminum Oxide Grain

- Excellent for deburring tubing, blending radii, polishing inside contours, and polishing and finishing bell-mouth configurations, drop forge and Kirksite dies

METAL

Ferrous and/or non-ferrous metals

STAINLESS

Stainless steel, high tensile steel



See page 157 for mandrels

Square Pads

Size	Mandrel Size	Grit	Recommended RPM Range	Max RPM	Part No.	Qty Per Box
1-1/2 x 1/2	1/4-20	60	19,000-20,000	23,000	48006	50
	1/4-20	80	19,000-20,000	23,000	48007	50
	1/4-20	120	19,000-20,000	23,000	48008	50
2 x 1/4	8-32	60	19,000-20,000	23,000	48011	50
	8-32	80	19,000-20,000	23,000	48012	50
2 x 1/2	1/4-20	60	19,000-20,000	23,000	48016	50
	1/4-20	80	19,000-20,000	23,000	48017	50
	1/4-20	120	19,000-20,000	23,000	48018	50
2 x 3/4	1/4-20	60	19,000-20,000	23,000	48021	50
	1/4-20	80	19,000-20,000	23,000	48022	50
3 x 1/4	1/4-20	60	10,000-12,000	14,000	48026	50
	1/4-20	80	10,000-12,000	14,000	48027	50
	1/4-20	120	10,000-12,000	14,000	48028	50
3 x 1/2	1/4-20	60	10,000-12,000	14,000	48031	50
	1/4-20	80	10,000-12,000	14,000	48032	50
	1/4-20	120	10,000-12,000	14,000	48033	50

Aluminum Oxide - General Purpose Premium Aluminum Oxide Grain

- Excellent for grinding and blending on channels, fillets and corners, spotting on flat surfaces, and blending welds inside of pipes

METAL

Ferrous and/or non-ferrous metals

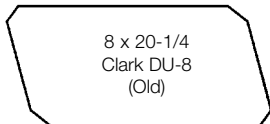
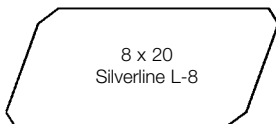
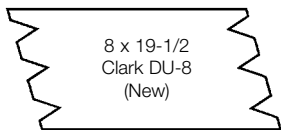
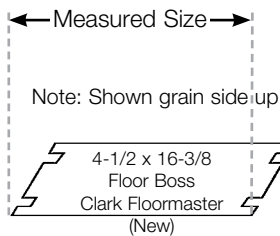
STAINLESS

Stainless steel, high tensile steel, wood



Tech
INFO

- Multi-ply abrasive pad - exposes new cutting surface as each layer wears
- Cushioned, chatter free grinding and polishing for long lasting performance



Size	Grit Available		Part Nos.	Qty Per Box
	New Grit	Old Grit		
4-1/2 x 16-3/8	40	1-1/2	85053	50
	12	4-1/2	85021	50
	16	4	85000	50
	20	3-1/2	85001	50
	36	2	85002	50
	40	1-1/2	85003	50
8 x 19-1/2	60	1/2	85004	50
	80	0	85005	50
	100	2/0	85006	50
	12	4-1/2	85022	50
	16	4	85007	50
	20	3-1/2	85008	50
8 x 20	36	2	85009	50
	40	1-1/2	85010	50
	60	1/2	85011	50
	80	0	85012	50
	100	2/0	85013	50
	20	3-1/2	85015	50
8 x 20-1/4	100	2/0	85020	50

Sheets

Grits 12-20

- Silicon carbide grain
- Combination backing paper and cloth
- Open coat structure prevents loading
- **Excellent for removing heavy finishes**

WOOD Wood

Grits 36-100

- Silicon carbide grain
- Closed coat for more material removal
- **Excellent for general refinishing**

WOOD Wood

There are 2 grit grading systems for abrasive floor paper. Both systems appear in the table at left.



COATED ABRASIVES

Belts - Cloth Grits 36-120

- Premium Zirconium grain for high stock removal and long life
- Belt design allows for quick changing of abrasive materials

WOOD Wood floors

Size	Grit Available	Part Nos.	Qty Per Box
8 x 19 AZ-X Zirconium	36	85285	10
	50	85286	10
	60	85287	10
	80	85288	10
	120	85289	10



- Professional quality for use in tough industrial jobs
- Shrink wrapped for easy handling and long life
- Box label UPC bar coded for easy identification and inventory maintenance

FLOOR SANDING

Sanding Discs

FLOOR SANDING



Edge Sander



Floor Sander

Grits 12-20

- Silicon carbide grain
- Combination backing paper and cloth
- Open coat structure prevents loading
- **Excellent for removing heavy finishes**

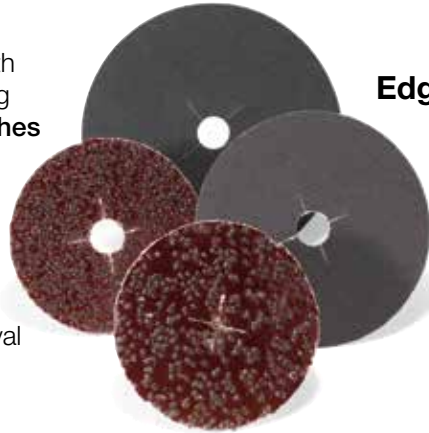
WOOD Wood

Grits 36-100

- Silicon carbide grain
- Closed coat for more material removal
- **Excellent for general refinishing**

WOOD Wood

There are 2 grit grading systems for abrasive floor paper. Both systems appear in the table.



Edge

Lg. Dia.

Size	Grit Available		Part Nos.	Qty Per Box
	New Grit	Old Grit		
5 x 1/4	12	4-1/2	85230	20
	16	4	85231	20
	20	3-1/2	85232	20
	36	2	85233	20
	40	1-1/2	85234	20
	60	1/2	85235	25
	80	0	85236	25
5 x 7/8	100	2/0	85237	25
	80	0	85205	25
	100	2/0	85206	25
6 x 7/8	16	4	85210	20
	36	2	85212	20
	80	0	85215	25
7 x 7/8	12	4-1/2	85219	20
	16	4	85220	20
	20	3-1/2	85221	20
	36	2	85222	20
	40	1-1/2	85223	20
	60	1/2	85224	25
	80	0	85225	25
15 x 2	100	2/0	85226	25
	12	4-1/2	85121	20
	16	4	85100	20
	20	3-1/2	85101	20
	36	2	85102	20
	40	1-1/2	85103	20
	60	1/2	85104	25
16 x 2	80	0	85105	25
	100	2/0	85106	25
	12	4-1/2	85122	20
	16	4	85107	20
	20	3-1/2	85108	20
	36	2	85109	20
	40	1-1/2	85110	20
17 x 2	60	1/2	85111	25
	80	0	85112	25
	100	2/0	85113	25
	12	4-1/2	85123	20
	16	4	85114	20
	20	3-1/2	85115	20
	36	2	85116	20
18 x 2	40	1-1/2	85117	20
	60	1/2	85118	25
	80	0	85119	25
	100	2/0	85120	25
	12	4-1/2	85130	20
	16	4	85131	20
	20	3-1/2	85132	20
20 x 2	36	2	85133	20
	40	1-1/2	85134	20
	60	1/2	85135	25
	80	0	85136	25
	100	2/0	85137	25
	12	4-1/2	85140	20
	16	4	85141	20
20 x 2	20	3-1/2	85142	20
	36	2	85143	20
	40	1-1/2	85144	20
	60	1/2	85145	25
	80	0	85146	25
	100	2/0	85147	25

COATED ABRASIVES

FLOOR SANDING



- Professional quality for use in tough industrial jobs
- Shrink wrapped for easy handling and long life



Floor Sander



Grits 12-20

- Silicon carbide grain
- Combination backing paper and cloth
- Open coat structure prevents loading
- **Excellent for removing heavy finishes**

WOOD Wood floors

Grits 36-100

- Silicon carbide grain
- Closed coat for more material removal
- **Excellent for general refinishing**

WOOD Wood floors

There are 2 grit grading systems for abrasive floor paper. Both systems appear in the table below.

Size	Grit Available		Part Nos.	Pack
	New Grit	Old Grit		
8" x 50 yards	12	4-1/2	85307	1
	16	4	85300	1
	20	3-1/2	85301	1
	36	2	85302	1
	40	1-1/2	85303	1
	60	1/2	85304	1
	80	0	85305	1
	100	2/0	85306	1



- Professional quality for use in tough industrial jobs
- Box label UPC bar coded for easy identification and inventory maintenance



Nylon Floor Pads

WOOD Maintaining wood and tile floors

CONCRETE Ceramic tile, cement

- Available in 1" thick and 1/4" thin

Black

- Heavy aggressiveness
- For stripping heavy finishes

Green

- Medium aggressiveness
- For scrubbing and cleaning

Tan

- Light applications
- For buffing and polishing
- Also used between sander and Saitscreen™



Size	Grades Available Part Numbers			Qty Per Box	Lbs Per Box
	Black	Green	Tan		
13" thin	86134	86133	-	10	3
15" thin	86154	86153	86152	10	3
15" thick	-	87153	-	5	3
17" thin	86174	-	-	10	5
18" thin	86184	86183	86182	10	6
20" thin	-	86203	-	10	6



Saitscreen™ Discs

- Cloth screen impregnated with silicon carbide grain
- **Long life**
- Non-loading
- Double sided
- Excellent for removing paint and varnish from floors

WOOD Wood

CONCRETE Ceramic tile, cement

Size	Grit	Part No.	Qty Per Box
16"	60	88606	10
	80	88608	10
	100	88610	10
	120	88612	10
17"	60	88706	10
	80	88708	10
	100	88710	10
	120	88712	10
18"	80	88808	10
	100	88810	10
	120	88812	10
20"	60	88006	10
	80	88008	10
	100	88010	10
	120	88012	10



Nylon Floor Pads

- Available in an assortment of grits for excellent coverage of a wide range of applications

Saitscreen™

- Cloth screen impregnated with silicon carbide grain for non-loading sanding
- Double sided for long life



- For orbital sanding machines

Saitscreen™

- Silicon carbide grain
- Long life
- Non-loading
- Double sided
- Excellent for removing paint and varnish

WOOD Wood

CONCRETE Concrete

Nylon Floor Pads

- See applications page 124

WOOD Wood

CONCRETE Concrete

Size	Grit	Part No.	Qty Per Box
Saitscreen™ 12 x 24	80	88002	10
	100	88003	10
	120	88004	10
Nylon 12 x 24	Tan/Thin	86122	10
	Green/Thin	86123	10
	Black/Thin	86124	10

Tech
INFO

- Non-gouging for safe use on all floor surfaces
- Popular with DIY homeowners for ease of use

COATED
ABRASIVES

FLOOR SANDING



NON-WOVEN INTRODUCTION

- Extensive line of non-woven abrasives for use in a variety of applications especially in the metal working industry.
- Constructed of nylon fibers with a resin binder to hold the nylon and grains together.
- Use as a final finishing step.
- Change the surface of the material without removing or damaging the base materials.
- Reduce the risk of under-cutting or gouging the workpiece.
- Open weave has non-loading characteristics.



Sand-Light™ Abrasive Hand Pads (pg. 127):

- 6 x 9 hand pads for hand use



SAIT-LOK™ and SAIT-LOK-R™ (pg. 129):

- Surface conditioning discs 1-1/2", 2", 3", 4" discs for mechanical use



Surface Conditioning, Sand-Light™ & Buffing Discs (pg. 130, 131 & 138):

- Surface Conditioning Discs available 4", 4-1/2", 5", 6", 7", 8" hook and loop discs for excellent removal of surface coatings and contaminants
- Sand-Light™ Blending Discs for mirror finishing and blending
- Buffing Discs designed for cosmetic finishing



Surface Conditioning Belts (pg. 128):

- High speed removal of surface coatings and contaminants
- Available in coarse, medium and very fine



SAIT-Strip™ (pg. 137):

- High speed stripping tool used for removing paint, rust or other contaminants from surfaces



Flap Brushes (pg. 132):

- Provide a linear finish on a variety of materials

NEW!



Interleaf & Flap Wheels (pg. 133):

- Constructed with alternating flaps of surface conditioning material and coated abrasive material for a high cut rate and a uniform scratch pattern



Unitized Wheels and Type 27 (pg. 134-135):

- Constructed by bonding and compressing layers of non-woven materials
- Excellent for light deburring to fine finishing



Sand-Light™ Flap Discs (pg. 134):

- For general surface preparation and finishing
- Layered flaps provide long life
- Ideal for cleaning, grinding, deburring, blending, finishing, and polishing



Convolute Wheels (pg. 136):

- Dense, non-woven wheels for use in aggressive deburring, weld blending and polishing



Brown

- Heavy duty
- Excellent for removing heavy rust and cleaning welds

METAL Ferrous and/or non-ferrous metals

Maroon

- General purpose
- For removing light rust
- Excellent for cleaning and brightening

METAL Ferrous and/or non-ferrous metals

Black

- For blending and finishing
- Excellent for paint removal

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous metals

Green

- General cleaning
- Excellent for stripping paint and varnish

METAL Ferrous and/or non-ferrous metals

WOOD Paint, varnish

Gray

- Ultra fine
- For light finishing
- Excellent for sanding before/between finish coats

METAL Non-ferrous metals

WOOD Wood

White

- Light duty
- For light cleaning and polishing

WOOD Fiberglass, vinyl, plastic

CONCRETE Ceramic



NON-WOVEN
ABRASIVES

NON-WOVEN

Size	Grade	Color	Part Nos.	Pads Per Box
6 x 9	Heavy Duty	Brown	77440	20
	General Purpose	Maroon	77447	20
	Stainless	Black	77446	20
	Stripper	Green	77496	20
	Ultra Fine	Gray	77448	20
	Light Duty	White	77486	20

Handle available for uniform finishing on page 155



- Non-woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material. Resists loading and heat build-up
- Wet/dry construction for use in a wide range of applications
- Available in a variety of grades from heavy duty to polishing applications
- Reusable and long lasting design for economical use
- Box label UPC bar coded for easy identification and inventory maintenance

Belts



Benchstand



File Sander



Portable Sander



Backstand

NON-WOVEN

Brown

- Coarse
- Excellent for deburring, blending
- For use on mill marks, tool marks, to create a smooth transition on surface profiles

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass and rubber

Maroon

- General purpose
- Excellent for blending and cleaning
- Reduce uneven edges on adjoining surfaces
- Remove coatings, gaskets, and surface discolorations

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass and rubber

Blue

- Very fine
- Excellent for cleaning and finishing
- Reduce surface roughness
- Polish welds
- Use to apply cosmetic grain or scratch patterns

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass and rubber



Size	Coarse Brown	Medium Maroon	Very fine Blue	Qty Per Box
1/2 x 18	77510	77511	77512	10
1/2 x 24	77515	77516	77517	10
3/4 x 18	77520	77521	77522	10
3/4 x 20-1/2	77575	77576	77577	10
3-1/2 x 15-1/2	77500	77501	77502	10
1 x 42	-	77526	-	10
2 x 48	77530	77531	-	10
2 x 60	77535	77536	-	10
2 x 132	77550	-	-	5
3 x 21	77570	77571	77572	10
3 x 24	77560	77561	77562	10
4 x 24	77565	77566	77567	10
6 x 48	77540	77541	-	5



Tech INFO

- Non-woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material. Resists loading and heat build-up
- Offered in very narrow widths for use on tight radii and hard to reach applications
- Flexible yet extra durable splice method for resistance to breaking or cracking under severe stress

NON-WOVEN ABRASIVES

NON-WOVEN

NON-WOVEN Deburring & Cleaning

Discs



Portable Grinder

Brown

- Heavy duty
- Excellent for heavy deburring, removing weld spatter and blending tool / mill marks, rust removal

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass, gaskets

Maroon

- General purpose
- Excellent for light deburring, blending scratch patterns, removing coatings/adhesives

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass, gaskets

Blue

- Very fine
- Excellent for cosmetic grain finishing, polishing welds, and reducing grinding marks

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass, gaskets



See page 155 for backing pads

Hook & Loop style discs in 4" - 8" available on page 130

See page 138 for Buffing Discs



SAIT-LOK™



All-metal attachment on disc ensures a secure fit to the backing pad

SAIT-LOK-R™



Nylon screw threaded hub for easy mounting to the backing pad

Size	Grade	Color	SAIT-LOK™ Part No.	SAIT-LOK-R™ Part No.	Qty Per Box
1-1/2"	Coarse	Brown	77200	77300	50
	Medium	Maroon	77202	77302	50
	Very Fine	Blue	77203	77303	50
2"	Coarse	Brown	77206	77306	50
	Medium	Maroon	77208	77308	50
	Very Fine	Blue	77209	77309	50
3"	Coarse	Brown	77212	77312	25
	Medium	Maroon	77214	77314	25
	Very Fine	Blue	77215	77315	25
4"	Coarse	Brown	-	77318	25
	Medium	Maroon	-	77320	25
	Very Fine	Blue	-	77321	25

NON-WOVEN
ABRASIVES

NON-WOVEN

Tech
INFO

- For finer finishing prior to buffing, use Sand-Light™ blending discs on page 125
- Non-woven synthetic fiber coated with aluminum oxide grain resists loading for long life
- Flexible construction for use on contoured surfaces
- Non-woven disc can be switched to laminated disc using same backing pads for less downtime
- Box label UPC bar coded for easy identification and inventory maintenance

Discs

NON-WOVEN HOOK & LOOP

Deburring & Cleaning



Disc Sander Angle Grinder Portable Grinder



See page 138 for Buffing Discs

Brown

- Heavy duty
- Excellent for heavy deburring, removing weld spatter and blending tool / mill marks, rust removal

STAINLESS Stainless steel, high tensile steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass

Maroon

- General purpose
- Excellent for light deburring, blending scratch patterns, removing coatings/adhesives

STAINLESS Stainless steel, high tensile steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass

Blue

- Very fine
- Excellent for cosmetic grain finishing, polishing welds, and reducing grinding marks

STAINLESS Stainless steel, high tensile steel

METAL Ferrous and/or non-ferrous materials

WOOD Fiberglass

A variety of 1/4" shank, 5/16-24 and 5/8-11 backing pads are available for use on drills, dual action/random orbital sanders, and right angle grinders/sanders. See page 155

SAIT-LOK™ & SAIT-LOK-R™ discs available in 1-1/2" - 3" on page 129

Size	Grade	Color	Part No.	Qty Per Box
4"	Coarse	Brown	77116	10
	Medium	Maroon	77117	10
	Very Fine	Blue	77115	10
4-1/2"	Coarse	Brown	77118	10
	Medium	Maroon	77120	10
	Very Fine	Blue	77122	10
5"	Coarse	Brown	77124	10
	Medium	Maroon	77126	10
	Very Fine	Blue	77128	10
6"	Coarse	Brown	77130	10
	Medium	Maroon	77132	10
	Very Fine	Blue	77134	10
7"	Coarse	Brown	77136	10
	Medium	Maroon	77138	10
	Very Fine	Blue	77140	10
8"	Coarse	Brown	77142	10
	Medium	Maroon	77144	10
	Very Fine	Blue	77146	10



- Hook and loop fastening system allows for quick changes and less downtime
- Non-woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material. Resists loading and heat build-up
- Used in a wide variety of applications including cleaning, polishing, blending, and deburring
- Resilient shape and performance characteristics for contour and radius applications
- Box label UPC bar coded for easy identification and inventory maintenance

NON-WOVEN ABRASIVES

NON-WOVEN

NON-WOVEN

Light Blending & Final Finishing

Sand-Light™ Discs



Disc Sander



Portable Grinder



Bench Grinder

Sand-Light™ Blending Discs

- For minor finishing and blending applications
- Less aggressive cutting than traditional surface conditioning discs (pg 117-118)
- Great for final finishing prior to buffing with compounds

ALUMINUM Aluminum

STAINLESS Stainless steel

METAL Ferrous and non-ferrous materials

Available in SAIT-LOK™, Hook and Loop, and arbor hole discs

Packaging

SAIT-LOK™	2"	50/box
	3"	25/box
Hook and Loop		10/box
Arbor Hole		10/box



Size	Grade	Arbor Hole Part No.	Qty Per Box
6 x 1/2	Medium	77162	10
	Very Fine	77165	10
8 x 1/2	Medium	77182	10
	Very Fine	77185	10

Medium

- General purpose
- Excellent for blending surface imperfections, coated abrasive burrs

ALUMINUM Aluminum

STAINLESS Stainless steel

METAL Ferrous and non-ferrous materials



Very Fine

- Excellent for blending surface imperfections, final finishing, and preparation prior to coating

ALUMINUM Aluminum

STAINLESS Stainless steel

METAL Ferrous and non-ferrous materials

See page 155 for backing pads

Size	Grade	SAIT-LOK™ Part No.	Qty Per Box
2" Thick	Medium	77672	50
	Very Fine	77675	50
3" Thick	Medium	77682	25
	Very Fine	77685	25

Size	Grade	Hook & Loop Part No.	Qty Per Box
5" Thick	Medium	77382	10
	Very Fine	77385	10
6" Thick	Medium	77392	10
	Very Fine	77395	10



- Use the Medium grade for light finishing after using surface conditioning discs
- Use the Very Fine grade followed by the SAIT Buffing Discs and compounds for a near mirror finish
- Use the slowest speed possible for optimum results

NON-WOVEN
ABRASIVES

NON-WOVEN

Flap Brushes

NON-WOVEN



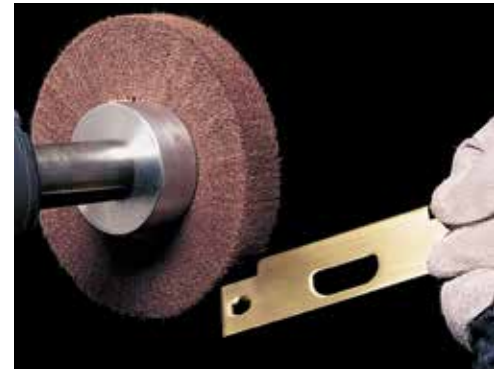
Pedestal Grinder

Flap Brushes

- Capable of conforming to concave, flat, and irregular surfaces
- Creates matte and satin finishes without lines on work piece
- Excellent for blending, cleaning welds, and removing corrosion, rust, or scaling
- **Excellent for grain, antique, and satin finishes, finishing aluminum extrusions, and applying an inline brushed finish on aluminum and stainless steel**

ALUMINUM Aluminum, brass

STAINLESS Stainless steel



Size	Grade	Max RPM	Part No.	Qty Per Box
6 x 1 x 2	Medium	3,400	77325	3
	Very Fine	3,400	77327	3
8 x 1 x 3	Medium	3,200	77330	3
	Very Fine	3,200	77332	3

See page 158 for mounting flanges and reducing bushings

Tech INFO

- Flexible, consistent face for ease of use
- Cool, smooth running for less operator fatigue
- Non-woven synthetic fiber impregnated with abrasive grain for surface conditioning without damage to or removal of base material. Resists loading and heat build-up

NON-WOVEN
ABRASIVES

NON-WOVEN



Flap Wheels

- Capable of conforming to concave, flat, and irregular surfaces
- Creates matte and satin finishes without lines on work piece
- Excellent for blending, cleaning welds, and removing corrosion, rust, or scaling
- **Excellent for grain, antique, and satin finishes, finishing aluminum extrusions, and applying an inline brushed finish on aluminum and stainless steel**

ALUMINUM Aluminum, brass

STAINLESS Stainless steel



Size	Grade	Max RPM	Part No.	Qty Per Box
1 x 1 x 1/4	Coarse	20,000	77780	10
	Medium	20,000	77781	10
	Fine	20,000	77782	10
2 x 1 x 1/4	Coarse	15,000	77785	10
	Medium	15,000	77786	10
	Fine	15,000	77787	10
3 x 1 x 1/4	Coarse	8,600	77790	10
	Medium	8,600	77791	10
	Fine	8,600	77792	10
3 x 2 x 1/4	Coarse	8,600	77805	10
	Medium	8,600	77806	10
	Fine	8,600	77807	10

Interleaf Wheels

Medium Grade

- Medium surface conditioning material with either 60 or 80 grit coated abrasive material
- **Excellent for removing heavy oxidation, blending, cleaning, and deburring**

ALUMINUM Aluminum

STAINLESS Stainless steel

METAL Ferrous and non-ferrous materials

WOOD Fiberglass



Very Fine Grade

- Very fine surface conditioning material with either 120 or 180 grit coated abrasive material
- **Excellent for grain finishing, satin finishing, and linear scratch patterns**

ALUMINUM Aluminum

STAINLESS Stainless steel

METAL Ferrous and non-ferrous materials

WOOD Fiberglass

Size	Grit	Grade	Max RPM	Part No.	Qty Per Box
NEW! 1 x 1 x 1/4	60	Medium	20,000	77700	10
	80	Medium	20,000	77702	10
	120	Very Fine	20,000	77704	10
	180	Very Fine	20,000	77706	10
2 x 1 x 1/4	60	Medium	15,000	77710	10
	80	Medium	15,000	77712	10
	120	Very Fine	15,000	77714	10
	180	Very Fine	15,000	77716	10
3 x 1 x 1/4	60	Medium	8,600	77730	10
	80	Medium	8,600	77732	10
	120	Very Fine	8,600	77734	10
	180	Very Fine	8,600	77736	10
3 x 2 x 1/4	60	Medium	8,600	77750	5
	80	Medium	8,600	77752	5
	120	Very Fine	8,600	77754	5
	180	Very Fine	8,600	77756	5



- Interleaf flap wheels are constructed with alternating flaps of surface conditioning material and coated abrasive material for a high cut rate and a uniform scratch pattern. Provides blending action while leaving final finish on work piece
- Smear-resistant non-woven material for clean, smear-proof work surfaces
- Interleaf design makes product more aggressive than SAIT non-woven flap brushes and less aggressive than SAIT coated abrasive flap wheels



Angle Grinder

Unitized Type 27 Wheels

Go from a coarse grind finish to a near mirror finish with the Unitized Wheel



Series 524-Soft Density, Medium Grade, Silicon Carbide Grain

- General purpose cleaning, finishing and polishing

Series 732-Medium Density, Fine Grade, Silicon Carbide Grain

- Light pressure for blending and finishing
- High edge durability
- High degree of stock removal, while maintaining bright finish

Series 811-Hard Density, Coarse Grade, Aluminum Oxide Grain

- Highest stock removal and edge breaking capability
- Most aggressive for deburring

Series 821-Hard Density, Medium Grade, Aluminum Oxide Grain

- Provides high stock removal, long life and productivity
- Very durable on edge

STAINLESS Stainless steel, high tensile steel

ALUMINUM Non-ferrous metals

METAL Ferrous metals

Unitized Type 27

Size	Series	Grain	Density	Grade	Max RPM	Part No.	Qty Per Box
4-1/2" x 7/8"	524	S/C	Soft	Medium	10,000	77875	4
	732	S/C	Medium	Fine	10,000	77880	4
	811	A/O	Hard	Coarse	10,000	77885	4
	821	A/O	Hard	Medium	10,000	77890	4

Sand-Light™ Flap Discs

- Durable material is suitable for surface preparation, cleaning, and finishing applications
- Contains more usable material yielding a longer disc life than conventional Sand-Light™ discs
- Layered flaps create a thicker, cushioned design which provides a better finish

METAL Ferrous metals

STAINLESS Stainless steel, high tensile steel

ALUMINUM Non-ferrous metals

Size	Grade	Color	Part No.	Qty Per Box
4-1/2" x 7/8"	Coarse	Brown	71980	5
	Medium	Maroon	71982	5
	Very Fine	Blue	71984	5
5" x 7/8"	Coarse	Brown	71990	5
	Medium	Maroon	71992	5
	Very Fine	Blue	71994	5



Tech INFO

- Unitized Type 27 Wheels are constructed by bonding and compressing layers of non-woven material
- Unitized Type 27 Wheels are hot pressed to form a solid block from which wheels are cut
- Operate Sand-Light™ Flap Discs at a lower speed for optimum performance!

NON-WOVEN ABRASIVES

NON-WOVEN



Die Grinder

Unitized Wheels

Series 524 - Soft Density, Medium Grade, Silicon Carbide Grain

- General purpose cleaning, finishing and polishing

Series 532 - Soft Density, Fine Grade, Silicon Carbide Grain

- Requires light pressure for fine finishing and polishing
- Highly conformable material
- Provides clean, bright surface on stainless steel
- Finer finish than the 524 series

Series 632 - Medium Density, Fine Grade, Silicon Carbide Grain

- Requires light pressure for fine finishing and polishing
- Highly conformable material
- Provides clean bright stainless steel finishes, blends tool marks, and removes slight surface imperfections

Series 731 - Medium Density, Fine Grade, Aluminum Oxide Grain

- Light pressure for blending and finishing
- High edge durability
- High degree of stock removal, while maintaining bright finish
- Smaller contact area than the 632 series

Series 811 - Hard Density, Coarse Grade, Aluminum Oxide Grain

- Highest stock removal and edge breaking capability
- Most aggressive for deburring

Series 821 - Hard Density, Medium Grade, Aluminum Oxide Grain

- Provides high stock removal, long life and productivity
- Very durable on edge

STAINLESS Stainless steel, high tensile steel

ALUMINUM Aluminum

METAL Ferrous and/or non-ferrous metals



Unitized Wheels

Size	Series	Grain	Density	Grade	Max RPM	Part No.	Qty Per Box	Mandrel Part No.
1 x 1 x 3/16	821	A/O	Hard	Medium	30,000	77830	10	95240
3 x 1/2 x 1/4	821	A/O	Hard	Medium	18,000	77835	10	95002
3 x 1/4 x 1/4	524	S/C	Soft	Medium	18,000	77840	10	95002
3 x 1/4 x 1/4	532	S/C	Soft	Fine	18,000	77845	10	95002
3 x 1/4 x 1/4	632	S/C	Medium	Fine	18,000	77850	10	95002
3 x 1/4 x 1/4	731	A/O	Medium	Fine	18,000	77855	10	95002
3 x 1/4 x 1/4	811	A/O	Hard	Coarse	18,000	77860	10	95002
3 x 1/4 x 1/4	821	A/O	Hard	Medium	18,000	77865	10	95002



- Constructed by bonding and compressing layers of non-woven material
- Hot pressed to form a solid block from which wheels are cut



Bench Grinder

Deburring 8SF-Medium Density

- Excellent starting point for general purpose deburring, blending, and weld polishing
- Silicon carbide grain for fast cut rate and finest finish
- Comparable to competitive 8SF products

METAL Ferrous and non-ferrous materials

ALUMINUM Aluminum

STAINLESS Stainless steel, high tensile materials

Deburring 9SF-Hard Density

- Excellent for aggressive deburring, blending
- Silicon carbide grain for fast cut rate and finest finish
- Comparable to competitive 9SF products

METAL Ferrous and non-ferrous materials

ALUMINUM Aluminum

STAINLESS Stainless steel, high tensile materials



NOTE: Wheels must be run in the direction of the arrow as indicated on the wheel.

Size	Spec.	Density	Grain	Grade	Max RPM	Part No.	Qty Per Box
6 x 1/2 x 1	9SF	Hard	Silicon Carbide	Fine	6,000	77810	4
6 x 1 x 1	8SF	Medium	Silicon Carbide	Fine	6,000	77815	3
6 x 1 x 1	9SF	Hard	Silicon Carbide	Fine	6,000	77820	3
8 x 1 x 3	9SF	Hard	Silicon Carbide	Fine	4,500	77825	3



See page 158 for mounting flanges and reducing bushings



Tech
INFO

- Convolute wheels are constructed by wrapping non-woven nylon, impregnated with abrasive grains, around a hard core to form a homogenous wheel
- Dense, non-woven construction for long lasting wear and high edge durability
- Smooth running for less operator fatigue
- Non-metallic for no workpiece contamination
- Smear-resistant formulation to greatly reduce the possibility of smearing
- Provides best durability, stock removal, and finest finish for increased productivity



SAIT-Strip™ Discs

Size	Max RPM	SAIT-LOK™ Part No.	SAIT-LOK-R™ Part No.	Qty Per Box
2"	12,000	77250	77350	25
3"	8,500	77255	77355	10



SAIT-Strip™ Type 27

Size			Max RPM	Part Number	Qty Per Box
Dia.	Width	Bore			
4-1/2"	1/2"	7/8"	10,000	77230	4

SAIT-Strip™

- Fast, safe removal of surface contaminants
- Available in SAIT-LOK™, SAIT-LOK-R™, Type 27, and spindle mounted wheels
- Excellent for cleaning welds, removing corrosion, rust, scaling, and blending
- Great for removing paints, varnishes and sealants from difficult to reach surfaces

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel



SAIT-Strip™ Spindle Mounted Wheel

Size			Max RPM	Part Number	Qty Per Box
Dia.	Width	Mandrel			
3"	1-Ply	1/4"	10,000	77235	5
3"	2-Ply	1/4"	10,000	77240	5

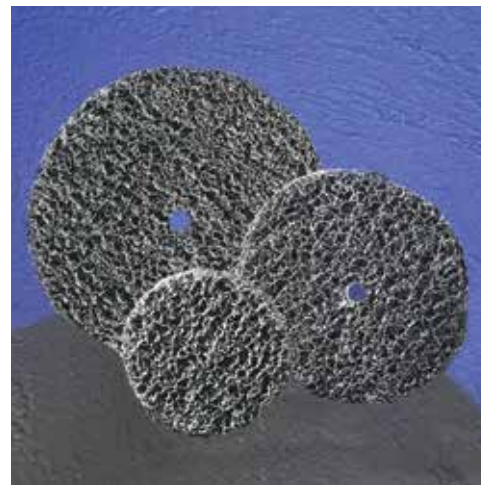
SAIT-Strip™ Arbor Hole Discs

- Fast, safe removal of surface contaminants
- Available in 4" x 1/4", 6" x 1/2", 8" x 1/2"

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile steel

Size			Max RPM	Part Number	Qty Per Box
Dia.	Width	Bore			
4"	1/2"	1/4"	6,000	77270	10
6"	1/2"	1/2"	4,000	77275	5
8"	1/2"	1/2"	3,000	77280	5



- Constructed of large nylon filament, providing an open, non-loading surface
- Utilizes coarse silicon carbide grain for rapid removal of surface contaminants, while producing fine finishes



Buffing Discs

- Premium quality buffing material
- Designed for final cosmetic finishing
- Available in hook and loop and SAIT-LOK-R™

STAINLESS Stainless steel and other high tensile alloys

ALUMINUM Aluminum, brass and other non-ferrous metals



Size	SAIT-LOK-R™ Part No.	Hook & Loop Part No.	Qty Per Box
2"	41012	-	50
3"	41013	-	25
5"	-	41055	10
7"	-	41057	10

See page 155 and 158 for backing pads

Compound Kit

The compound kit contains the following:

Brown Bar: Used for buffing aluminum, brass, copper, wood, plastics, hard rubber, and painted surfaces. Also called tripoli rouge.

White Bar: Used for buffing stainless steel, carbon steel, nickel, aluminum, and chromium to a high luster shine.

Red Bar: For buffing precious metals like gold, silver, platinum, sterling, and other high-end metals. Can also be used to further enhance materials that have already been buffed with other compounds. The finest grade.

Black Bar: Used to buff contaminants out prior to finishing. Will remove rust, stains, scale, and other contaminants. An extremely fast cutting material. Also called emery cake.

Individual bars are also available.



Description	Part No.	Qty Per Box
Buffing Compound Kit	41000	1
Brown Bar	41024	1
White Bar	41022	1
Red Bar	41020	1
Black Bar	41026	1

Tech INFO

- To achieve the best finish possible, use with the soft backing pads (part numbers 95255 & 95257) and the compound kit (part number 41000)
- In general, a slower speed achieves a better finish and reduces heat
- For use on right angle grinder, D/A (dual action) sanders, and right angle air grinders

WIRE BRUSHES INTRODUCTION



United Abrasives' brushes consist of only the highest grade industrial tempered wire and state-of-the-art construction, designed for off-hand equipment. The various styles cover a multitude of applications.



Features and Benefits

Brushes are available in a variety of wire types. The proper brush for the application should be selected based on the characteristics of the brush, including wire type. All BlueLine™ packaging is one piece per package.

Knot wire brushes provide high impact action and offer low to medium flexibility through the use of twisted wire tufts for heavy duty applications, such as weld cleaning. Knot wire brushes are available in 2 knot configurations.

Crimped wire brushes are general purpose brushes that provide higher flexibility and cleaning action through the use of flexible wire points. They offer a wider work face than knot style and are ideal for light applications such as rust or paint removal.



Flag at end of wire tuft provides additional brush flexibility for irregular surface preparation.



Extremely narrow tufted face is ideal for bead weld preparation.



Flexible wire points provide cleaning action for light applications.

Wire Size Specifications

The thickness of brush wire will impact the end result of the workpiece. Fine wire such as .008 will produce a finer finish and will yield a longer brush life. Thicker wires, such as .014 and .020 or higher, will be more aggressive and will decrease production times.

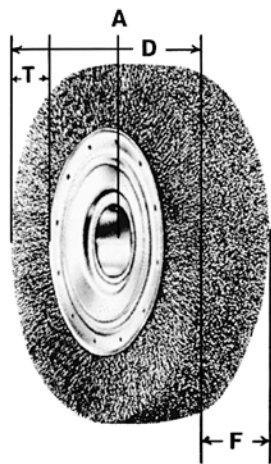
Brush Fill Materials

Carbon is a soft steel wire that can be used for lighter, general purpose brushing jobs. This is the most common wire brush material used.

Type 302 Stainless Steel Wire offers a long brush life and is resistant to corrosion. Type 302 stainless should be used when "after rust" or contamination is a problem such as on aluminum, stainless steel, or other high tensile alloys. "After rust" occurs when these alloys are brushed with other types of wire.

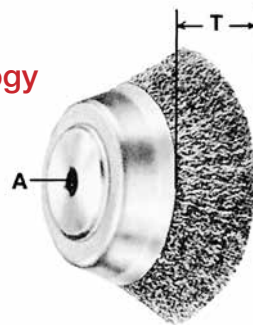


WIRE BRUSHES INTRODUCTION



Common Brush Terminology

- A = Arbor Hole
- D = Brush Diameter
- F = Face Width
- T = Trim Length



Application Information

- Always check warning labels for safety information
- Always follow safety guidelines included with each brush package
- Proper application of wire brushes is for the removal of various surface contaminants, not the removal of the base stock material
- The power tool determines the size and speed of the brush to be used
- Check the R.P.M. rating of the tool to verify that it does not exceed the Maximum Safe Free Speed (M.S.F.S.) of the brush
- The slowest speed that will do the job is the most efficient use of the brush. Running at the M.S.F.S. is not necessarily the most efficient speed
- The tool shaft must match the arbor hole of the brush
- The tips of wire at the end of the brush do the work. Excessive pressure will cause premature wire breakage, reduced brush life, increased heat build-up and rapid dulling

Power Brush Safety Requirements

- 1. Safety Goggles:** Safety goggles, or full face shields worn over safety glasses with side shields, **MUST BE WORN** by all OPERATORS and OTHERS IN THE AREA OF POWER BRUSH OPERATIONS. Comply with the requirements of ANSI Z87.1 ("Occupational Eye and Face Protection").
- 2. Guards:** Keep all machine guards in place.
- 3. Speeds:** Observe all speed restrictions indicated on the brushes, containers, labels, or printed in pertinent literature. "MSFS" or "MAX.SFS" means Maximum Safe Free Speed (R.P.M.) - spinning free with no work applied. For reasons of safety, the "MSFS/MAX.SFS" should not be exceeded under any circumstances.
- 4. Safety Standard:** Comply with the safety standards of the American National Standards Institute, ANSI B165.1 and ANSI B165.2 - "Safety Requirements - Power Brushes."
- 5. Protective Equipment:** Appropriate protective clothing and equipment (such as full face shield, gloves, respirator, etc.) must be used where a possibility of injury exists that can be prevented by such equipment.
- 6. Before starting brush:** Use eye protection and safety equipment. Inspect brush for rust, damage, speed limit, etc. If no-load speed marked on the power tool is higher than the brush speed limit, do not mount brush. Inspect and jog machine to assure the brush is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed for at least one minute before applying work. **DO NOT STAND IN FRONT OF OR IN LINE WITH BRUSH.**

All United Abrasives brushes comply with the standards of the American Brush Manufacturers' Association, the American National Standards Institute, and the Canadian Standard Association Safety Code.



Bench Grinder



Angle Grinder

Bench Wire Wheels

- Dense, compact crimped steel wire brush face
- **May be stacked to achieve wider work face**
- Primary application: For general scale removal, cleaning and surface preparation
- Standard 2" arbor, with adaptor to listed arbor
- Includes bushing pairs to adapt to variety of arbors

Additional arbors available

Part No.	Size
95201	2 x 1/2
95203	2 x 5/8
95204	2 x 3/4
95206	2 x 1
95207	2 x 1-1/4

**** not available for part number 09558 and 09555



Size			Face Width	Trim Length	Max RPM	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor				Part No.	Std Pkg	Part No.
6	.014	5/8, 1/2	Wide	1-1/16"	6,000	09557	1	06557
6	.014	5/8, 1/2	Narrow	1-3/16"	6,000	09558****	1	06558
6	.008	5/8, 1/2	Narrow	1-1/16"	6,000	09555****	1	06555
7	.014	5/8	Wide	1-9/16"	6,000	09559	1	06559
8	.014	5/8	Wide	1-1/2"	4,000	01411	1	06556
10	.014	3/4	Wide	2"	3,600	09560	1	-

Note: Wide 1"
Narrow 1/2"

Packaging

Standard industrial packaging or Blue Line™ point of sale display packaging

Large Cup Brushes

- Available in the following wire types:
 - Knot wire for low to medium flexibility and aggressive cutting action
 - Crimped wire which has higher flexibility for light cleaning and removal, especially on irregular surfaces
- Primary application: **For fast cleaning of large surfaces**

Knot Wire - nut inside

Size			Rows	Trim Length	Max RPM	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor				Part No.	Std Pkg	Part No.
4	.020	5/8-11	1	1-3/8"	9,000	03407**	1	06407
4	.020	5/8-11	1	Stainless*	9,000	03406***	1	06406
6	.020	5/8-11	1	1-3/4"	6,600	03409***	1	06409
6	.035	5/8-11	1	1-3/4"	6,600	03410***	1	06410
6	.020	5/8-11	2	1-3/4"	6,000	03411***	1	06411
6	.035	5/8-11	2	1-3/4"	6,000	03412***	1	06412
6	.020	5/8-11	1	Stainless*	6,600	03413***	1	-

Crimped Wire - nut inside

4	.020	5/8-11	-	1-1/8"	9,000	09551	1	06551
5	.020	5/8-11	-	1-1/2"	8,000	09552	1	-
5	.020	5/8-11	Stainless*	1-1/2"	8,000	09554	1	06554
6	.020	5/8-11	-	1-1/2"	6,600	09553	1	06553



Packaging

Standard industrial packaging or Blue Line™ point of sale display packaging

* 302 stainless steel wire used

** nut on outside

***nut on outside in Canada only

Small Cup



Angle Grinder

BRUSHES

Small Cup Brushes

- For use on small grinders
- Available in the following wire types:
 - Knot wire for low to medium flexibility and aggressive cutting action
 - Crimped carbon steel wire for light cleaning and where greater flexibility is required
 - Stainless steel knot wire for use on stainless, aluminum, and high strength alloys
- Variety of threaded arbors available

Packaging

Standard industrial packaging or Blue Line™ point of sale display packaging

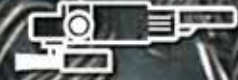
*302 stainless steel wire used



Size			Wire Style	Matl Type	Max RPM	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor				Part No.	Std Pkg	Part No.
2-3/4	.014	5/8-11	Knot	Carbon	14,000	03414	6	06414
2-3/4	.014	M14 x 2.0	Knot	Carbon	14,000	03415	6	06415
2-3/4	.014	M10 x 1.25	Knot	Carbon	14,000	03416	6	06416
2-3/4	.014	M10 x 1.5	Knot	Carbon	14,000	03417	6	06417
2-3/4	.014	1/2-13	Knot	Carbon	14,000	03418	6	06418
2-3/4	.020	5/8-11	Knot	Carbon	14,000	03501	6	06501
2-3/4	.020	M14 x 2.0	Knot	Carbon	14,000	03502	6	-
2-3/4	.020	M10 x 1.25	Knot	Carbon	14,000	03503	6	06503
2-3/4	.020	M10 x 1.5	Knot	Carbon	14,000	03504	6	06504
2-3/4	.020	1/2-13	Knot	Carbon	14,000	03505	6	06505
2-3/4	.014	5/8-11	Knot	Stainless*	14,000	03419	6	06419
2-3/4	.014	M14 x 2.0	Knot	Stainless*	14,000	03423	6	-
2-3/4	.014	M10 x 1.25	Knot	Stainless*	14,000	03422	6	-
2-3/4	.014	1/2-13	Knot	Stainless*	14,000	03420	6	-
2-3/4	.020	5/8-11	Knot	Stainless*	14,000	03506	6	06506
2-3/4	.020	M14 x 2.0	Knot	Stainless*	14,000	03507	6	-
2-3/4	.020	M10 x 1.25	Knot	Stainless*	14,000	03508	6	-
2-3/4	.020	M10 x 1.5	Knot	Stainless*	14,000	03509	6	-
2-3/4	.020	1/2-13	Knot	Stainless*	14,000	03510	6	-
2-3/4	.014	5/8-11	Crimped	Carbon	14,000	01401	6	06401
2-3/4	.014	M14 x 2.0	Crimped	Carbon	14,000	01405	6	06405
2-3/4	.014	M10 x 1.25	Crimped	Carbon	14,000	01404	6	06404
2-3/4	.014	M10 x 1.5	Crimped	Carbon	14,000	01403	6	06403
2-3/4	.014	1/2-13	Crimped	Carbon	14,000	01402	6	06402
2-3/4	.014	5/8-11	Crimped	Stainless*	14,000	01408	6	06408
3-1/2	.020	5/8-11	Knot	Carbon	12,500	03511	1	06511
3-1/2	.020	5/8-11	Knot	Stainless*	12,500	03512	1	06512
3-1/2	.014	5/8-11	Crimped	Carbon	12,500	03513	1	06513
3-1/2	.014	5/8-11	Crimped	Stainless*	12,500	03514	1	06514

WIRE BRUSHES

BRUSHES



Angle Grinder



Knot & Crimped Wire Wheels

- For use on small grinders
- Available in the following wire types:
 - Regular twist covers more surface area in a single pass
 - Stringer bead twist is excellent for welds, flux removal and where a narrow work face is required
 - Crimped carbon steel wire provides flexibility and a wider work face than knot style
 - Stainless steel wire for use on stainless, aluminum, and high strength alloys
- Variety of threaded arbors available

Packaging

Standard industrial packaging or Blue Line™ point of sale display packaging

*302 stainless steel wire used

Regular Twist

Size			Matl Type	Max RPM	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor			Part No.	Std Pkg	Part No.
4	.014	5/8-11	Carbon	20,000	03426	6	06426
4	.014	M14 x 2.0	Carbon	20,000	03427	6	06427
4	.014	M10 x 1.25	Carbon	20,000	03428	6	06428
4	.014	M10 x 1.5	Carbon	20,000	03429	6	-
4	.014	1/2-13	Carbon	20,000	03430	6	06430
4	.020	5/8-11	Carbon	20,000	03460	6	06460
4	.014	5/8-11	Stainless*	20,000	03431	6	06431
4	.014	M14 x 2.0	Stainless*	20,000	03435	6	-
4	.014	M10 x 1.25	Stainless*	20,000	03434	6	-
4	.014	M10 x 1.5	Stainless*	20,000	03433	6	-
4	.020	5/8-11	Stainless*	20,000	03461	6	06461
6	.025	5/8-11	Carbon	9,000	03385	3	06385

Stringer Bead / Pipeline

4	.020	5/8-11	Carbon	20,000	03440	6	06440
4	.020	M14 x 2.0	Carbon	20,000	03441	6	06441
4	.020	M10 x 1.25	Carbon	20,000	03442	6	-
4	.020	1/2-13	Carbon	20,000	03444	6	-
4	.020	5/8-11	Stainless*	20,000	03445	6	06445
4	.020	M10 x 1.25	Stainless*	20,000	03447	6	-
4	.020	1/2-13	Stainless*	20,000	03449	6	-
5	.020	5/8-11	SB-Carbon	12,000	03380	6	06380
5	.020	M14 x 2.0	SB-Carbon	12,000	03381	6	-
5	.020	5/8-11	SB-Stainless*	12,000	03382	6	06382
6	.020	5/8-11	SB-Stainless*	12,000	03383	6	06383
6	.020	5/8-11	SB-Carbon	12,000	03384	6	06384
6-1/2	.020	5/8-11	SB-Stainless*	9,000	03389	6	06389
6-1/2	.020	5/8-11	SB-Carbon	9,000	03391	6	06391

Crimped

4	.014	5/8-11	Carbon	12,500	03450	6	06450
4	.014	M14 x 2.0	Carbon	12,500	03451	6	-
4	.014	M10 x 1.25	Carbon	12,500	03452	6	06452
4	.014	1/2-13	Carbon	12,500	03454	6	06454

Wire Wheels



Angle Grinder

BRUSHES



Knot Wire Wheels

- Can be used on portable power tools
- Available in the following wire types:
 - Knot wire for low to medium flexibility and aggressive cutting action
 - Stainless steel wire for use on stainless, aluminum, and high strength alloys
- Primary application: **Cleaning, deburring, and scale removal**

Size			Matl Type	Max RPM	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor			Part No.	Std Pkg	Part No.
3	.014	3/8	Carbon	25,000	03377	4	06377
3	.014	1/2, 3/8	Stainless*	25,000	03376	4	06376
4	.014	1/2	Carbon	20,000	03378	4	06378
5	.020	5/8-11	Carbon	12,000	03373	1	06373
5	.020	5/8-11	Stainless*	12,000	03374	1	06374
6	.020	5/8, 1/2	Carbon	9,000	03386	1	06386
6	.020	5/8-11	Carbon	9,000	03388	1	06388
6	.016	5/8, 1/2	Stainless*	9,000	03387	1	06387

Packaging

Standard industrial packaging or Blue Line™ point of sale display packaging

*302 stainless steel wire used



Packaging

Standard industrial packaging or Blue Line™ point of sale display packaging

*302 stainless steel wire used

Pipeline Brushes

- **Excellent for use in the pipeline industry**
- Available in the following wire types:
 - Knot wire provides aggressive action in the removal of bead scale, weld flash, or splatter
 - Regular twist and stringer bead twist for higher impact action
 - Stainless steel wire available in stringer bead twist for use on stainless, aluminum, and high strength alloys
- Primary application: **Cleaning, deburring, and scale removal**

Size			Matl Type	Max RPM	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor			Part No.	Std Pkg	Part No.
4	.020	5/8-11	Carbon	20,000	03440	6	06440
4	.020	M14 x 2.0	Carbon	20,000	03441	6	06441
4	.020	M10 x 1.25	Carbon	20,000	03442	6	-
4	.020	1/2-13	Carbon	20,000	03444	6	-
4	.020	5/8-11	Stainless*	20,000	03445	6	06445
4	.020	M10 x 1.25	Stainless*	20,000	03447	6	-
4	.020	1/2-13	Stainless*	20,000	03449	6	-
5	.020	5/8-11	SB-Carbon	12,000	03380	6	06380
5	.020	M14 x 2.0	Carbon	12,000	03381	6	-
5	.020	5/8-11	SB-Stainless*	12,000	03382	6	06382
6	.020	5/8-11	SB-Stainless*	12,000	03383	6	06383
6	.020	5/8-11	SB-Carbon	12,000	03384	6	06384
6	.025	5/8-11	Carbon	9,000	03385	6	06385
6-1/2	.020	5/8-11	SB-Stainless*	9,000	03389	6	06389
6-1/2	.020	5/8-11	SB-Carbon	9,000	03391	6	06391

WIRE BRUSHES

BRUSHES

BRUSHES

Joint/End Brushes



Die Grinder



Street Saw



Joint Brushes

- For use on street saws
- Primary application: **Cleaning concrete expansion joints**

Packaging

1 brush per package

Dia.	Wire Size	Description	Max RPM	Part No.	Std Pkg
12"	.035	Joint Brush 1" Arbor, 7/16 Pinhole	6,000	09570	1

End Brushes

- For use on portable power tools
- **Excellent for use in cleaning and finishing recessed areas or pipes**
- Available in the following wire types:
 - Knot wire provides aggressive cutting action
 - Circular flared end brush excellent for side cleaning action
 - Crimped wire for high flexibility
- 1/4" shank diameter

Packaging

Standard industrial packaging or Blue Line™ point of sale display packaging

*302 stainless steel wire used (Black Shell)



Size	Wire	Wire Style	Trim Length	Overall Length	Max RPM	INDUSTRIAL		BLUE LINE™
						Part No.	Std Pkg	Part No.
1	.020	Knot Type	1	2-5/8	22,000	02701	12	06701
1	.020	Crimped Wire	1	2-5/8	22,000	02709	12	06709
1	.020	SS-Knot*	1	2-5/8	22,000	02704	12	06704
3/4	.014	Crimped Wire	1	2-5/8	22,000	02702	12	06702
3/4	.014	Knot Type	1-1/8	2-5/8	22,000	02703	12	06703
1-1/2	.012	Circ. Flared Crimped	5/16	1-3/4	20,000	02710	12	06710
2-1/2	.014	Circ. Flared	11/16	1-3/4	20,000	02705	12	06705
2	.014	Crimped Wire Wheel	7/16	1-1/4	25,000	02712	12	06712
3	.014	Circ. Flared Crimped*	7/8	1-3/4	25,000	02711	12	06711
3	.014	Crimped Wire Wheel	15/16	1-1/4	25,000	02713	12	06713
3	.014	Crimped Wire Wheel*	15/16	1-1/4	25,000	02714	12	06714

WIRE BRUSHES

BRUSHES

Scratch/Miscellaneous

BRUSHES



Scratch Brushes

- Excellent for light scale removal
- Available in the following wire types:
 - Carbon steel wire for general purpose cleaning
 - Stainless steel wire is carbon free
 - Brass wire for general purpose cleaning
- Primary application: Maintenance cleaning

*Stainless steel wire used

Size Rows	Wire Size	Type	Part No.	Std Pkg
3 x 19	.014	Curved Handle	05751	12
3 x 19	.014	Curved Handle w/Scraper	05760	12
3 x 19	.012	Curved-Stainless*	05755	12
3 x 14	.014	V-Groove Scratch	05764	12
3 x 14	.012	V-Groove Scratch-Stainless*	05765	12
4 x 16	.014	Shoe Handle	05753	12
4 x 16	.014	Shoe Handle w/Scraper	05761	12
4 x 16	.012	Shoe Handle-Stainless*	05763	12
4 x 19	.014	Curved Handle	05752	12
3 x 7	.006	Small Cleaning Brush-Stainless*	05759	12
3 x 7	.006	Small Cleaning Brush w/Plastic Handle-Stainless*	05766	12
3 x 7	.006	Small Cleaning Brush-Brass	05762	12
3 x 7	.006	Small Cleaning Brush w/Plastic Handle-Brass	05768	12
3 x 15	-	Chipping Hammer Brush	05757	12

Miscellaneous Brushes

Metal Chip Brush

- Durable, long lasting
- For cleaning metal chips from work surfaces

Acid Brushes

- Quality horsehair bristles
- Machine trimmed and crimped to specification

Paint Brushes

- Quality horsehair bristles/Wood handle
- Use for solvents and chemicals



Brush Type	Width	Trim Length	Overall Length	Part No.	Std Pkg
Metal Chip	1-1/2"	1-1/2"	5-5/16"	00510	12 pcs
	3/8"	3/4"	6"	00501	1 gross
Acid Brush	7/16"	7/8"	6-1/2"	00502	1 gross
	9/16"	7/8"	6-1/8"	00503	1 gross
Paint Brush	1/2"	1-1/2"	7"	00511	72 pcs
	1"	1-1/2"	7-1/2"	00512	72 pcs
	1-1/2"	1-1/2"	7-1/2"	00513	72 pcs
Paint Brush	2"	1-1/2"	7-1/2"	00514	72 pcs
	3"	1-1/2"	8"	00515	48 pcs
	4"	2-1/4"	9-1/2"	00516	12 pcs

BRUSHES

Nylon



Hand Brush Die Grinder



Bench Grinder



Angle Grinder

Nylon Abrasive Brushes

- Available in silicon carbide
- Use on steel, aluminum, copper, brass, stainless steel, super alloys, plastics, composites, ceramics, wood, leather



Large Diameter Wheels

Size		Grit	Face Width	Trim Length	Max RPM	Part No.	Qty Per Box
Dia.	Arbor						
3	5/8	80	1/2	5/8	18,000	04110	1
3	5/8	320	1/2	5/8	18,000	04120	1
4	5/8	120	5/8	3/4	12,000	04130	1
4	5/8	180	5/8	3/4	12,000	04140	1
6	2	120	7/8	1-1/16	6,000	04150	1

Small Diameter Wheels

Size		Grit	Face Width	Trim Length	Max RPM	Part No.	Qty Per Box
Dia.	Arbor						
1-1/2	1/2	320	1/4	1/4	20,000	04210	4
2-1/2	5/8	120	3/8	11/16	15,000	04230	4
2-1/2	5/8	320	3/8	11/16	15,000	04240	4

Tube Brushes

Dia.	Grit	Trim Length	Overall Length	Part No.	Qty Per Box
1/2	80	2	5	04270	12
1	80	2-1/2	5-1/2	04275	12
1-1/4	80	2-1/2	5-1/2	04280	12
5/8	120	2	5	04285	12
1	120	2-1/2	5-1/2	04290	12

Cup Brushes

Size		Grit	Trim Length	Max RPM	Part No.	Qty Per Box
Dia.	Arbor					
4	5/8-11	80	1-1/2	6,000	04310	1
6	5/8-11	80	1-1/2	6,000	04340	1

End Brushes

Dia.	Grit	Trim Length	Overall Length	Max RPM	Part No.	Qty Per Box
1	120	1	2-3/4	19,000	04380	12
1	80	1	2-3/4	9,000	04390	6



WIRE BRUSHES

BRUSHES



Die Grinder

BURS

Tungsten Carbide Burs

United Abrasives offers a complete line of tungsten carbide burs in the most popular shapes and sizes to meet your needs. Choosing the right bur depends on the material to be ground, grinding speed, desired shape and finish requirements. United Abrasives' burs are precision ground with diamond wheels resulting in a concentric tool with very sharp, uniform teeth. This manufacturing method produces the highest quality bur, properly balanced for vibration-free operation and long tool life. Tungsten burs are best suited for efficient material removal at high RPMs. United Abrasives' burs are made in the U.S.A.

Double Cut (Alternate Cut)



Double cut or Alternate cut is the most popular bur in ferrous applications. Manufactured with cuts made on the left and right spirals, this design produces a finer finish on material producing smaller chips and slivers. The double cut offers much smoother operation and greater tool control.

Non-Ferrous (Aluminum Cut)



Non-ferrous or aluminum cut burs have a more open, aggressive cut to avoid loading on softer materials. This design provides outstanding stock removal on aluminum, magnesium, copper, soft steel, brass, zinc alloys, hard rubber, most plastics, and non-ferrous metals. These burs provide easy chip flow with little or no clogging.



Features

- Tungsten Carbide construction for long life and precision cutting
- Highest quality construction for proper balance which delivers vibration-free operation
- Double cut provides smooth operation and maximum tool control
- Non-ferrous burs have an open design for non-loading on softer materials

Applications

- Excellent for confined or hard-to-reach areas
- Use for deburring and finishing on ferrous and non-ferrous metals
- Shaping and enlarging holes in steel
- Removing welds
- Smoothing castings

MAXIMUM RECOMMENDED RPMs FOR CARBIDE BURS

FILE DIA.	RPM(1)	RPM(2)
1/4"	22,000	33,000
3/8"	18,000	27,000
1/2"	16,000	24,000

Use RPM(1) for iron, steel welds, cast iron, tool steels, die steels, bronze, brass and aluminum.

Use RPM(2) for stainless steel.

CARBIDE BURS

BURS

BURS

Tungsten Carbide Burs

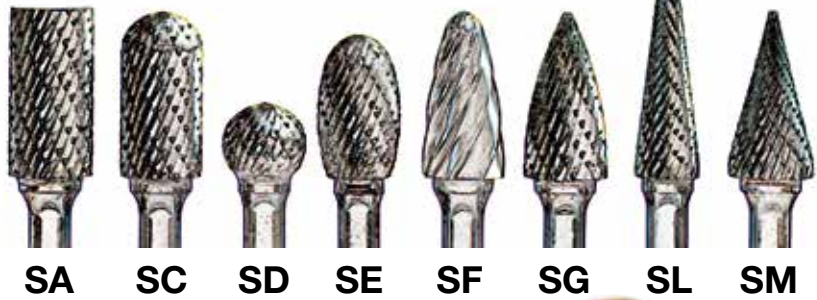


Die Grinder

SB
(End Cut)



SH



SA

SC

SD

SE

SF

SG

SL

SM



Wooden Display Case
Holds up to 8 burs
P/N 99046

Heavy Duty

Double Cut (Alternate Cut)

Type	Size		Shank Dia.	Part Numbers	Qty Per Box
	Dia.	Length			
SA1	1/4	5/8	1/4	45000	1
SA3	3/8	3/4	1/4	45001	1
SA5	1/2	1	1/4	45002	1
SB1	1/4	5/8	1/4	45111	1
SB3	3/8	3/4	1/4	45004	1
SB5	1/2	1	1/4	45113	1
SC1	1/4	5/8	1/4	45005	1
SC3	3/8	3/4	1/4	45006	1
SC5	1/2	1	1/4	45007	1
SD1	1/4	7/32	1/4	45010	1
SD3	3/8	5/16	1/4	45011	1
SD5	1/2	7/16	1/4	45012	1
SE1	1/4	3/8	1/4	45015	1
SE5	1/2	7/8	1/4	45016	1
SF1	1/4	5/8	1/4	45020	1
SF3	3/8	3/4	1/4	45021	1
SF5	1/2	1	1/4	45022	1
SH1	1/4	5/8	1/4	45115	1
SH2	5/16	3/4	1/4	45116	1
SH5	1/2	1-1/4	1/4	45117	1
SL1	1/4	5/8	1/4	45025	1
SL3	3/8	1-1/16	1/4	45026	1
SL4	1/2	1-1/4	1/4	45027	1
SG1	1/4	5/8	1/4	45030	1
SG3	3/8	3/4	1/4	45031	1
SG5	1/2	1	1/4	45032	1
SM1	1/4	1/2	1/4	45035	1
SM2	1/4	3/4	1/4	45036	1
SM4	3/8	3/4	1/4	45037	1
SM5	1/2	1	1/4	45038	1
Non-ferrous (Aluminum)					
SA3NF	3/8	3/4	1/4	45050	1
SA5NF	1/2	1	1/4	45051	1
SC3NF	3/8	3/4	1/4	45052	1
SF3NF	3/8	3/4	1/4	45053	1
SF5NF	1/2	1	1/4	45054	1
SL4NF	1/2	1-1/8	1/4	45055	1

Type	Size		Shank Dia.	Part Numbers	Qty/ Box
	Dia.	Length			
SA5	1/2	1	1/4	45125	1
SC5	1/2	1	1/4	45130	1
SE5	1/2	7/8	1/4	45135	1
SF3	3/8	3/4	1/4	45140	1
SF5	1/2	1	1/4	45145	1
SG5	1/2	1	1/4	45150	1
SL3	3/8	1-1/16	1/4	45155	1
SL4	1/2	1-1/4	1/4	45160	1

6" Length Shank

Type	Size		Shank Dia.	Part Numbers	Qty/ Box
	Dia.	Length			
SA3L6	3/8	3/4	1/4 6L	45603	1
SA5L6	1/2	1	6L	45605	1
SB1L6	1/4	5/8	6L	45611	1
SB3L6	3/8	3/4	6L	45613	1
SC3L6	3/8	3/4	6L	45623	1
SD1L6	1/4	7/32	6L	45631	1
SD3L6	3/8	5/16	6L	45633	1
SE5L6	1/2	7/8	6L	45645	1
SF3L6	3/8	3/4	6L	45653	1
SF5L6	1/2	1	6L	45655	1
SG3L6	3/8	3/4	6L	45663	1
SG5L6	1/2	1	6L	45665	1
SH2L6	5/16	3/4	6L	45672	1
SL3L6	3/8	1-1/16	6L	45683	1
SM3L6	1/4	1	6L	45693	1
SC3NFL6	3/8	3/4	6L	45063	1
SF3NFL6	3/8	3/4	6L	45073	1
SD3NFL6	3/8	5/16	6L	45083	1



- Tungsten carbide construction for long life and durability
- High quality manufacturing method delivers vibration-free operation
- Precision ground with diamond wheels to produce a very sharp uniform cutting edge
- Each enclosed in individual plastic capsules for storage and protection

CARBIDE
BURS

BURS

SAIT-PAK™

✔ Packaged for industrial, hardware, and do-it-yourself markets

We are pleased to include our line of packaged abrasives called SAIT-PAK™. This offers our same industrial quality abrasives, packaged in smaller, easy-to-sell quantities. It complements our existing product line by providing a “line” specifically geared to those customers desiring more consumer-oriented packaging. Skilled craftsmen, professional tradesmen, MRO engineers, fabricators, and the knowledgeable do-it-yourselfer will benefit by this addition to our product line.

✔ United Abrasives makes selecting the correct products and quantities easy

Choosing the correct product for your application is made simple. The packaging contains the same easy-to-use color coded application boxes as our catalog. To meet all of your application needs, SAIT-PAK™ offers products in multi or single packs. Your local distributor has access to United Abrasives’ entire SAIT-PAK™ line, offering you the products you want in the quantities you need.



✔ Our foundation is the mid-size independent distributor

United Abrasives has always relied on the small to mid-size independent distributor as our foundation, not the large national chains. As a result, this means that you will continue to receive the attention you deserve with United Abrasives’ SAIT-PAK™ program.

✔ We manufacture only a single line of the highest quality

United Abrasives manufactures only a single line of the highest quality industrial abrasives, not a two-tier system of industrial versus retail quality. The SAIT-PAK™ program represents our same high quality products packaged specifically for retail trade.

✔ We’re a “one stop shopping” source for all your abrasive product needs

It’s easy to buy from United Abrasives. Quality and safety are of utmost importance, minimizing your product performance worries. UA is truly a “one stop shopping” source! Your account will be serviced by the best trained customer service reps and sales force in the industry.

✔ For more information call us at (860) 456-7131

This SAIT-PAK™ program allows you to move up to a level of industrial quality abrasive products at the retail packaged level. You’ll get a full spectrum abrasives program with minimal inventory investments. The result is increased inventory turns, expanded market share, and excellent profit margins. For more information about how United Abrasives can help get you to the next level, contact us at (860) 456-7131.

SAIT-PAK™ 9" x 11" Sheets

All Purpose Aluminum Oxide Sheets

Part No	Grade/Grit	Sheets Per Pkg	Pkgs Per Unit
10012	Very Fine - 220	5	5
10010	Fine - 150	5	5
10008	Medium - 100	5	5
10006	Coarse - 60	3	5
10015	Assorted: 2 Very Fine, 2 Fine, 1 Medium	5	5

Waterproof Silicon Carbide Sheets

10034	Ultra Fine - 600	5	5
10032	Super Fine - 400	5	5
10031	Extra Fine - 320	5	5
10028	Very Fine - 220	5	5
10036	Assorted: 2 Super Fine, 2 Extra Fine, 1 Very Fine	5	5

SAIT-PAK™ Accessories

Hand Sanding Block

Part No	Description	Parts Per Pkg
16000	Hand Sanding Block	1

Accessory Items

The convenience of “one stop shopping” is provided through the selection of accessories offered by United Abrasives to complement and match our product offering.

All of the accessories carried in our line have been specifically engineered for use with our products, providing the greatest possible safety and performance. You will find that our SAIT-PAK™ product line of packaging geared for the Do-It-Yourself market includes accessory items specific to those products available in the line. However, should you need additional products that may not be available as part of the SAIT-PAK™ program, refer to our standard line of accessories in this section. Many of our accessory items are skin packaged, providing better labeling capabilities and appearance.

Throughout the catalog, references are made to the various accessories in this section. As part of the product selection, it is important to ascertain if a specific accessory is necessary to operate the abrasive safely. In most cases, where a nut or backing pad is required, one is supplied with the box of product. However, if additional accessory items are needed, they are available in this section. Thus, whether you are ordering in large quantities or individually, sufficient accessories are available for your needs.



Backing Pads for Resin Fiber Discs



- Spiralcool™ backing pads' exclusive rubber, fabric, and fiber board construction provide extra strength and reliability
- Spiral ribs provide contact points and form channels for air flow extending disc life 30% to 50%
- Each pad is supplied with a nut as indicated

NOTES: Pad nut must be purchased separately. This backing pad is not to be used with SAIT-LOK™ quick change fiber discs

Size	Arbor	Grade Available			Max RPM
		Soft	Med	Hard	
4	5/8-11 Thread	-	95010	-	12,000
4-1/2	5/8	-	95011	-	11,000
4-1/2	1/2	-	95012	-	11,000
5	5/8	-	95016	-	10,000
7	5/8-11 Thread	95017	-	-	7,000
7	5/8-11 Thread	-	95018	95019	8,500
9	5/8-11 Thread	-	95021	95022	6,500

SAIT-LOK™ Backing Pads for Resin Fiber Discs



- Smooth face backing pad for SAIT-LOK™ fiber disc
- Minimizes change-over downtime
- No additional mounting hardware required
- Each pad is supplied with nut and washers

NOTE: SAIT-LOK™ disc must be used with threaded backing pad

Size	Part No	Max RPM
*4-1/2 x 5/8-11	95023	18,000
4-1/2 x 5/8-11	95025	18,000
*5 x 5/8-11	95024	18,000
5 x 5/8-11	95026	18,000
7 x 5/8-11	95027	8,600
9 x 5/8-11	95028	7,000

* Low profile for short spindles

Spanner Wrench



- Adjustable wrench for tightening and loosening center nuts
- Fits all center nuts

Description	Part No
Spanner Wrench	95008

Challenger II™ Backing Pad



- For use with Challenger II flexible grinding/blending wheels (pg. 24)
- Set includes 5/8-11 nut and pad

Description	Part No	Max RPM
Pad for 4-1/2 & 5" Challenger II™	95245	13,300/12,200
Pad for 7" Challenger II™	95247	8,500

Center Nuts



- For attaching fiber discs to backing pad and tool
- Use small* for 4", 4-1/2", 5" diameter pads
- Use large* for 7", 9" diameter pads

Size	Part No
5/8-11 Small*	95040
5/8-11 Large*	95041
1/2-13	95042
M10 x 1.25	95043
M14 x 2.0	95045

Type 1 Cut-Off Adaptors



- For use with Type 1 Thin High Speed Cut-Off wheels up to 3" diameter only (pg. 45)

Size	Part No
1/4 x 1/4-20	95002
1/4 x 3/8-24	95003

Type 27 Reusable Adaptor Kit



- For use with Type 27 wheels on 7" and 9" 5/8-11 spindle grinders
- Alternative to a throwaway hub

Description	Part No
Reusable Adaptor Kit	95000

Type 1 & Type 27 Reusable 5/8-11 Adaptor



- Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8"

Description	Part No
5/8-11 Reusable Adaptor	95055

Type 1 Cut-Off Wheel Reducing Bushings



- For use with Type 1 Cut-Off wheels
- Reduces wheel arbor size

Size	Part No
1-5/8	95030
1-20mm	95031
1-7/8	95032
1-3/4	95033

Size	Part No
7/8-5/8	95034
Dia.-5/8	95035
Dia.-1/2	95036
1/2-3/8	95037

PSA Backing Pads



- For use with PSA adhesive backed sanding discs (pg. 89-91, 94-95)
- 1/4" Shank pads for die grinders
- Threaded pads for dual action/random orbital sanders and right angle grinders/sanders

Size	Part No	Max RPM
1 x 1/4	95059	30,000
1-1/2 x 1/4	95060	30,000
2 x 1/4	95061	28,000
3 x 1/4	95062	20,000
4 x 1/4	95063	16,000
5 x 1/4	95064	12,000



Portable Grinder



Disc Sander

Size	Part No	Max RPM
5 x 5/16-24	95065	10,000
5 x 5/16-24 5 holes	95085	10,000
6 x 5/16-24	95066	10,000
6 x 5/16-24 6 holes	95086	10,000
8" w/mounting holes	95180	1,500



Angle Grinder

Size	Part No	Max RPM
7 x 5/8-11	95068	4,800
8 x 5/8-11	95067	4,800

Hook & Loop Backing Pads for Paper Discs



- For use with Hook & Loop backed paper discs (pg. 92-93)
- Available in 5/16-24 thread

Description	Part No	Max RPM
5 x 5/16-24	95047	10,000
5 x 5/16-24 5 holes	95057	10,000
5 x 5/16-24 8 holes	95058	10,000
6 x 5/16-24	95046	10,000
6 x 5/16-24 6 holes	95056	10,000
8" w/ 5 mounting holes	95185	1,500
8 x 5/8-11	95187	1,500

Palm Hand Sander



- For manual use with PSA (pp. 89-91) or Sand-Light™ / Hook & Loop discs (pg. 130)
- For more uniform finish when hand sanding

Size	PSA	Sand-Light™
5"	95091	95081
6"	95092	95082

Contour Hand Pads



- For manual use with PSA or Hook & Loop discs (pg. 89-93)
- For more uniform finish when hand sanding

Size	PSA	Hook & Loop
6"	95260	95250

Hook & Loop Soft Interface Pads



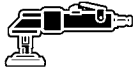
- For use with 5" and 6" Hook & Loop Backing Pads
- Excellent for final finishing as the soft foam backing makes the grain cut less and finish finer
- The perfect compliment for the 4S/4V Hook & Loop products (pg. 92-93)

Description	Part No
5" Soft Interface Hook & Loop Pad	95175
6" Soft Interface Hook & Loop Pad	95176

Sand-Light™ Surface Conditioning Backing Pads



- For use with Hook & Loop style Sand-Light™ Discs (pg. 130)
- 1/4" shank pads
- Threaded pads for dual action random orbital sanders
- Threaded pads for right angle grinders/sanders



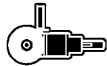
Portable Grinder

Size	Part No	Max RPM
4 x 1/4	95154	6,000
5 x 1/4	95153	6,000



Disc Sander

Size	Part No	Max RPM
4 x 5/16-24	95157	10,000
5 x 5/16-24	95155	10,000
6 x 5/16-24	95156	10,000



Angle Grinder

Size	Part No	Max RPM
4-1/2 x 5/8-11	95159	4,800
5 x 5/8-11	95160	4,800
6 x 5/8-11	95161	4,800
7 x 5/8-11	95162	4,800
8 x 5/8-11	95163	4,800

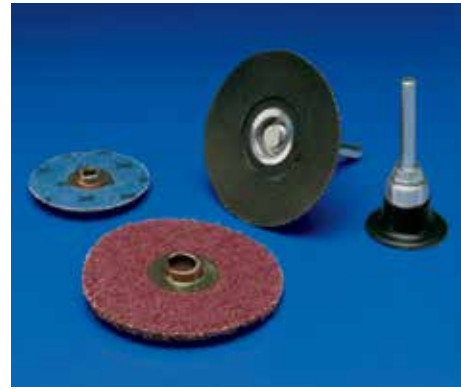
Sand-Light™ Handle



- For manual use with Sand-Light™ 6 x 9 hand pads (pg. 127)
- For more uniform finish when hand sanding

Description	Part No
Sand-Light™ Handle	95080

SAIT-LOK™ Backing Pads for Laminated & Surface Conditioning Discs



- For use with SAIT-LOK™ laminated (pg. 85-87) and surface conditioning discs (pg. 129)
- Disc twists into metal threaded center of backing pad for fast and easy disc changes
- Now available in hard density for aggressive cutting action
- 1/4" shank

Size	Part No	Max RPM	Size	Part No	Max RPM
1" Medium	95165	40,000	1-1/2" Hard	95266	30,000
1-1/2" Medium	95166	25,000	2" Hard	95267	30,000
2" Medium	95167	25,000	3" Hard	95268*	20,000
3" Medium	95168	20,000			



* 3" Hard Backing Pad New Look

SAIT-LOK-R™ Backing Pads for Laminated, Surface Conditioning, & Cotton Fiber Discs



- For use with SAIT-LOK-R™ laminated (pg. 85-87), surface conditioning discs (pg. 129), Cotton fiber discs (pg. 63), Encore Mini Flap Discs (pg. 98)
- Nylon threaded hub of disc twists into backing pad for secure fit
- Now available in hard density for aggressive cutting action
- Minimizes change-over time
- 1/4" shank

Size	Part No	Max RPM	Size	Part No	Max RPM
1-1/2" Medium	95171	25,000	1-1/2" Hard	95271	30,000
2" Medium	95172	25,000	2" Hard	95272	30,000
3" Medium	95173	20,000	3" Hard	95273	20,000
4" Medium	95280	12,000			

Saitlam™ Flap Disc Backing Pad & Nut



6-1/2" Backing Pad Assembly

- Must be used with 6-1/2" Saitlam™ (pg. 104)
- Includes backing pad, nut (5/8-11), and washer

Description	Part No	Max RPM
6-1/2" Saitlam™ Backing Pad	95070	6,000

Saitlam™ Nuts

Size	Uses Nut	Part No
4-1/2" Saitlam™	5/8-11	95071

Wood Wedges



- For use with Vitrified Bonded Floor Rubs (pg. 64)
- Skin packaged in quantities of 2 per package

Description	Part No
Wood Wedges	95100

Flap Wheel Adaptor 1-5/8" Metal Bushing



- For use on 6" Flap wheels
- Skin packaged in quantities of 2

Description	Part No
1-5/8" Metal Bushing	95214

Abrasive Cleaning Stick



- For removing loaded material from sanding belts
- Increases abrasive life
- 100% natural rubber; environmentally safe
- Lasts twice as long as conventional (crepe) belt cleaners and will not cause gummy residue
- Size: 1-5/8" x 1-5/8" x 8"

Description	Part No
Abrasive Cleaning Stick	95083

1/4" Shank Threaded Adaptor for Flap Wheels



- For use on United Abrasives 1/4-20 threaded flap wheels
- Facilitates a quick change, thus less downtime

Description	Part No
1/4" Threaded Adaptor	95050

1/4" Shank Adaptor Kit for Flap Wheels



- For converting 1" or 5/8" arbors to a 1/4" shank
- 1/4" Shank adaptor kit

Description	Part No
Adaptor Kit	95009

Cartridge Roll Mandrels



- For use with straight and full taper cartridge rolls on pages 118-119

Size	Part No
1/4 x 1-1/2 x 1/4	95101
1/4 x 1 x 1/4	95102
1/8 x 1-1/2 x 1/4	95103
1/8 x 1 x 1/4	95104
1/8 x 3/4 x 1/4	95105
3/16 x 1-1/2 x 1/4	95106
3/16 x 1 x 1/4	95107
3/32 x 3/4 x 1/8	95108

Spiral Band Drums



- For use with spiral bands on page 117

Size	Max RPM	Part No
1/2 x 1/2 x 1/4	30,000	95121
1/2 x 1 x 1/4	15,000	95122
1/2 x 1-1/2 x 1/4	12,000	95123
3/4 x 1 x 1/4	19,000	95126
3/4 x 1-1/2 x 1/4	10,000	95127
1 x 1 x 1/4	18,000	95130
1-1/2 x 1 x 1/4	14,000	95133
1-1/2 x 1-1/2 x 1/4	10,000	95134
2 x 2 x 1/4	6,000	95137
3 x 3 x 1/4	3,000	95140

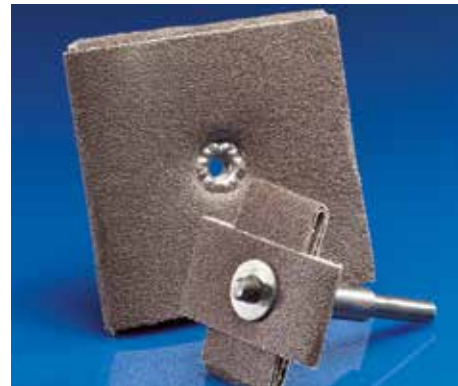
Unitized Wheel Mandrels



- Re-usable mandrels for use with Unitized Wheels
- Packaged each

Description	Part No	For Use With:
Steel Unitized Wheel Mandrel "threaded screw-type"	95240	77830
Type 1 Wheel Adaptor	95002	All 3" diameter, 1/4" hole unitized wheels

Cross Pad & Square Pad Mandrels



- For use with cross and square pads on page 120
- 1/4" shank

Size	Part No
3-48	95095
8-32	95096
1/4-20	95097

Super Soft Buffing Disc Backing Pads



- For use with buffing discs (pg. 138)
- Available in 5" & 7" with 5/8-11 thread

Description	Max RPM	Part No
5" Super Soft Foam Pad	3,200	95255
7" Super Soft Foam Pad	3,200	95257

Buffing Disc Compounds and Kits

Brown Bar: Used for buffing aluminum, brass, copper, wood, plastics, hard rubber, and painted surfaces. Also called tripoli rouge.

White Bar: Used for buffing stainless steel, carbon steel, nickel, aluminum, and chromium to a high luster shine.

Red Bar: For buffing precious metals like gold, silver, platinum, sterling, and other high end metals. Can also be used to further enhance materials that have already been buffed with other compounds. The finest grade.

Black Bar: Used to buff contaminants out prior to finishing. Will remove rust, stains, scale, and other contaminants. An extremely fast cutting material. Also called emery cake.



Description	Part No
Buffing Compound Kit	41000
1 lb Buffing Compound Bar Brown	41024
1 lb Buffing Compound Bar White	41022
1 lb Buffing Compound Bar Red	41020
1 lb Buffing Compound Bar Black	41026

Convolute Wheel and Non-Woven Flap Brush Reducing Bushings



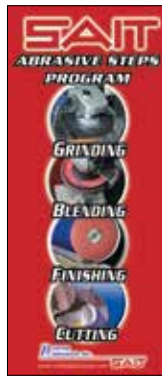
- Re-usable reducing bushings for use with Convolute Wheels and Flap Brushes
- Packaged per pair

Description	Part No	For Use With:
1" OD to 3/8" ID	95210	6" Diameter Convolute Wheels
1" OD to 1/2" ID	95212	6" Diameter Convolute Wheels
1" OD to 5/8" ID	95214	6" Diameter Convolute Wheels
1" OD to 3/4" ID	95216	6" Diameter Convolute Wheels
2" OD to 1" ID	95220	6" Diameter Non-woven Flap Brushes
3" OD to 1" ID	95230	8" Diameter Convolute Wheels and Non-woven Flap Brushes
3" OD to 1-1/4" ID	95232	8" Diameter Convolute Wheels and Non-woven Flap Brushes

PROMOTIONAL LITERATURE



.045 Cut-Off Wheels
Part #99045



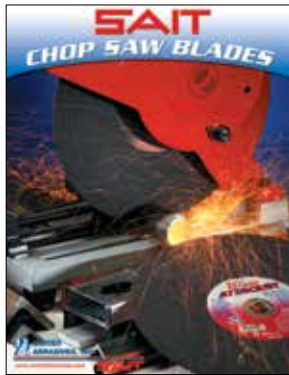
Abrasive Steps Tri-Fold
Part #99031



Company Overview
Part #99981



Carbide Burs
Part #99220



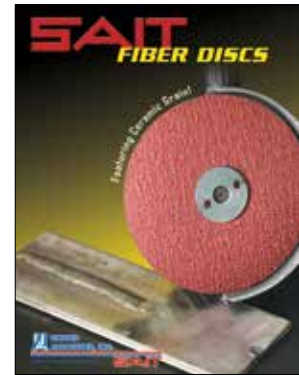
Chop Saw Wheels
Part #99014



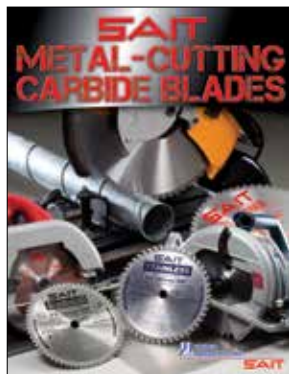
The Ultimate Combo™
Part #99983



.090 Cutting/Notching
Part #99990



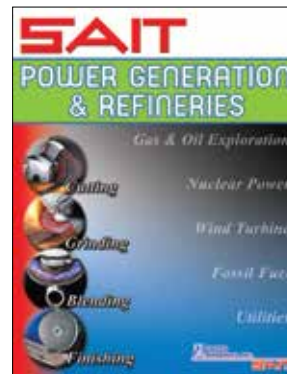
Fiber Discs
Part #99028



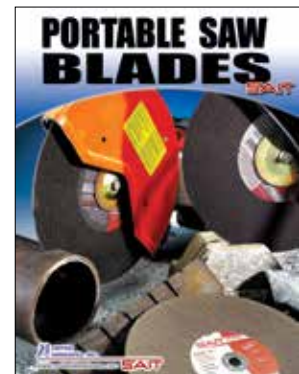
Metal-Cutting Carbide Blades
Part #99982



MRO (Maintenance, Repair & Operations) • Part #99048



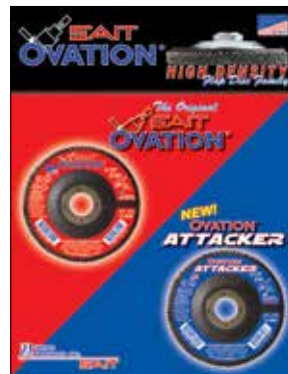
Power Generation & Refineries
Part #99087



Portable Saw Blades
Part #99040



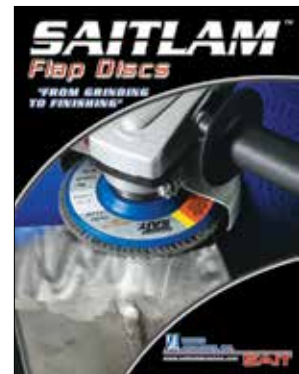
NEW Flap Disc Sell Sheet
Part #99984



Ovation® Family
Part #99980



Encore Flap Disc
Part #99978



Saitlam™ Flap Discs
Part #99007

POINT OF PURCHASE (P.O.P.) DISPLAY

99084 – Red Pegboard Display Panel

- Also included in the box are
4 tan hangers / spacers



99157 – Plastic Display Tag Holders (1 Package)



4 – 3" tags to use with Material Labels

2 – 4" tags to use with Application Labels

* The 4" tags have an insert that slides into the track on the back in order to be hung on the pegboard display.



Fully Loaded Example



99156 – 6" Pegboard Hooks (8 Pack)



Tan Hangers/Spacers

* 2 of the Hangers/Spacers are to be inserted into the current pegboard or slatwall behind and near the bottom of the new red pegboard display panel to keep it parallel with the wall.



99094 – Material Display Tag Labels (1 Sheet)



99095 Application Display Tag Labels (1 Sheet)

Order Reference for 1 Complete Red Pegboard Setup

Part No.	Qty.	Order
99084.....	1.....	_____
99157.....	1.....	_____
99156.....	1.....	_____
99094.....	1.....	_____
99095.....	1.....	_____

MISCELLANEOUS PARTS



97037 – Wire Basket Qty. _____



97039 – POP Label Card Qty. _____ 1 per wheel holder & wire basket



97036 – 14" Wire Wheel Holder Qty. _____



99080 – Reorder Hang Tag Qty. _____ Order in multiples of 50

P.O.P. DISPLAY cont'd

COUNTER RACK DISPLAY UNIT

99079 – Counter Display Rack

Qty. _____
h17" x w15.5" x d11"

99115 – 4" Hooks (6 pack)

Qty. _____
Hooks do not come with racks



Rectangle Header Cards - 1 per counter rack
(Used ONLY for Counter Racks)

Part#	Description	Qty.
99098	United Abrasives/SAIT Header.....	_____
99104	Concrete cutting.....	_____
99105	Concrete grinding.....	_____
99106	Flap discs.....	_____
99107	Metal cutting.....	_____
99108	Metal grinding.....	_____
99109	Metal grinding/blending.....	_____
99110	Stainless Steel cutting.....	_____
99111	Stainless Steel grinding.....	_____
99112	Wire Brushes.....	_____
99113	Accessories.....	_____
99114	Aluminum.....	_____
99117	Metal/Stainless Steel cutting.....	_____
99118	Metal/Stainless Steel grinding.....	_____
99122	Stainless Steel/Aluminum blending/finishing.....	_____
99123	Belts.....	_____
99155	US Flap Disc.....	_____
99158	.045" Family.....	_____

99155



99158



LARGE PRINTED ADVERTISING



97018 – Header and Holder

Qty. _____ (ships with 99160)
Approximately h12" x w36"

Footers clip onto top of display backer
and are used to support the header



99043 – Banner

Qty. _____
h2' x w4' with grommets

Contact your Sales Representative for more information on how to order.

Safety Guide

Important:

The following information about safety should be used only as a guide. All products listed in this catalog shall be used in accordance with safety regulations set by OSHA and by the directive described by the American National Safety Institute B7.1, the Canadian Standard Association Safety Code B-173-5 and by the American Brush Manufacturers Association covering: Speed, Safety Guards, Flanges, Mounting Procedures, General Operating Rules, Handling, Storage, and Inspection of General Machine Conditions.

The information to the right is designed as a guide for the individual user of abrasive wheels, whether he be in the employ of a large corporation or in the confines of his home work shop. It is based on the premise that grinding/cutting is a safe operation when a few basic rules are followed. These rules are based on material contained in the American National Standards Institute Safety Requirements B7.1 - "Use, Care & Protection of Abrasive Wheels." Follow Them.



Warning:

Avoid inhalation of dust generated by grinding and cutting operations. Exposure to dust may cause respiratory ailments as well as irritation to eyes and skin. In most cases, a greater hazard is the exposure to the dust/fumes from the base material being ground or paint or coatings applied to it. Use approved NIOSH or MSHA respirators, safety glasses or face shields, gloves and protective clothing. Provide adequate ventilation to eliminate dust or to maintain dust levels below the permissible exposure level for nuisance dust as classified by OSHA. Refer to Material Safety Data Sheet for further information.

All operators must read and understand safety information thoroughly.

Follow Safety Instructions:

You must follow all operator and safety instructions, as well as all common safety practices which reduce the likelihood of physical injury.

Operate Wheels at Recommended Speeds:


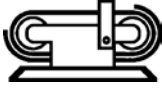
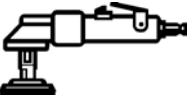


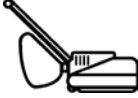



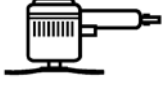



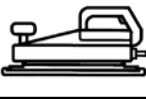







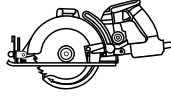
It is imperative that abrasive wheels be operated at recommended safe speeds. For safety reasons no abrasive wheel shall be operated at a speed greater than that indicated on the blotter or wheel.

- Do always handle and store wheels in a careful manner.
- Do visually inspect all wheels before mounting for possible damage.
- Do make sure operating speed of machine does not exceed speed marked on wheel, its blotter or container.
- Do check mounting flanges for equal size, relieved as required & correct diameter.
- Do use mounting blotters as required by ANSI standards.
- Do be sure work rest is properly adjusted on bench, pedestal and floor stand grinders.
- Do always use safety guard that covers a minimum of one-half (1/2) the abrasive wheel.
- Do allow newly mounted wheels to run at operating speed, with guard in place, for at least one minute before grinding.
- Do always wear safety glasses or some type of approved eye protection while grinding or cutting.
- Do turn off coolant before stopping wheel to avoid creating an out-of-balance condition.
- Do follow common sense safety considerations.
- Do follow federal, state and local laws and regulations.
- Don't use a wheel that has been dropped or appears to have been abused.
- Don't force a wheel onto the machine or alter the size of the mounting hole. If wheel won't fit the machine, get one that will.
- Don't ever exceed maximum operating speed established for the wheel.
- Don't use mounting flanges on which the bearing surfaces are not clean, flat and smooth.
- Don't tighten the mounting nut excessively.
- Don't grind on the side of conventional, straight or Type 1 wheels.
- Don't use a wheel on any machine that is not properly designed for the specific application of the wheel.
- Don't start the machine until the safety guard is properly and securely in place.
- Don't jam work into the wheel.
- Don't stand directly in front of a grinding/cutting wheel whenever a machine is in operation.
- Don't grind or cut material for which the wheel is not designed.

A pamphlet including these Do's and Don'ts and other safety information is included in each box of wheels.

Products By Tool Index

The tool graphic found on each page of the catalog represents the appropriate tool the product can be used on. These icons are also located on our product and box labels for easy identification.

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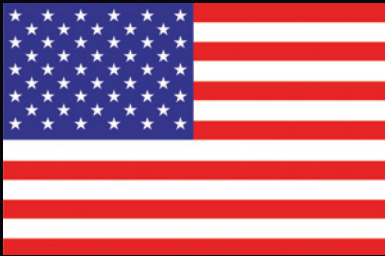
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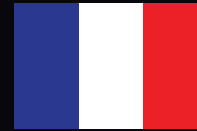
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