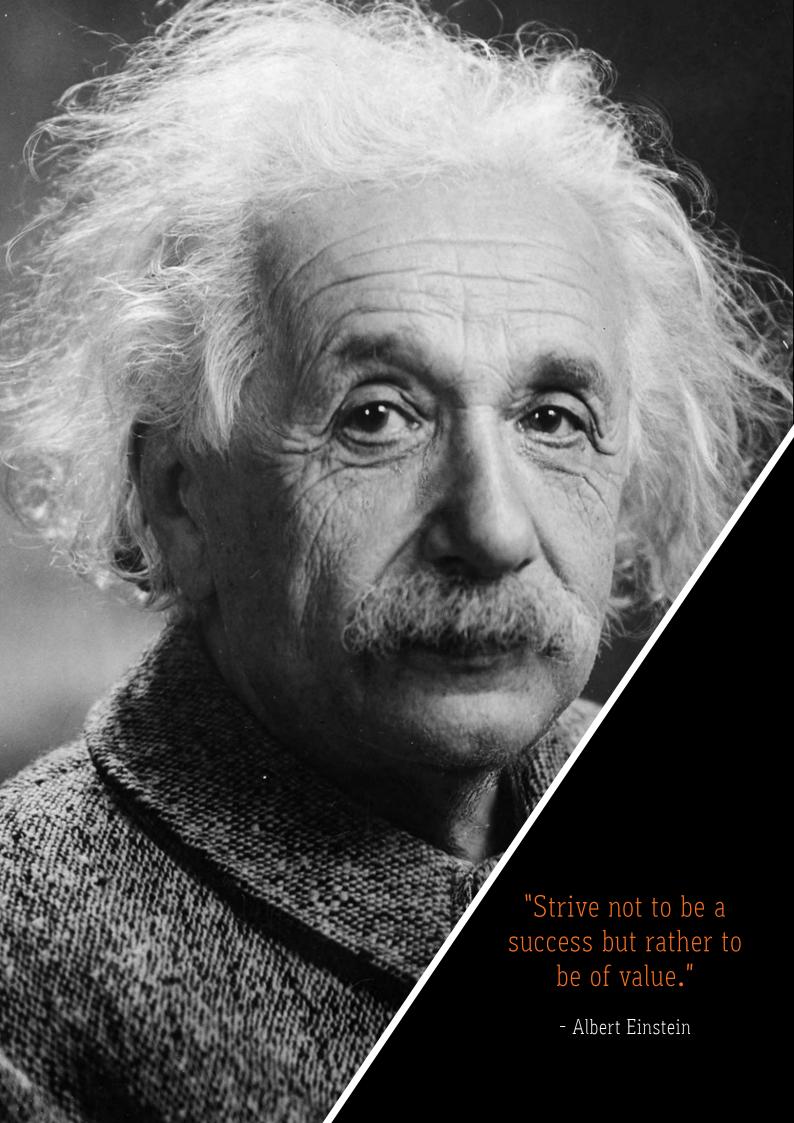
BULLARD ABRASIVES®



Product Catalog



BULLARD ABRASIVES > BONDED

CUTTING

Small Diameter Cut-Off Wheels - Typ Angle Grinder Cut-Off Wheels - Typ Angle Grinder Cut-Off Wheels - Typ Gas or Electric Portable Saw Cut-Of Gas and Hydraulic Rail Saw Cut-Off Portable Chop Saw Cut-Off Wheels Stationary Saw Cut-Off Wheels - Ty Walk-Behind Street Saw Cut-Off Wh Circular Saw Cut-Off Wheels - Type	e 1e 27 ff Wheels - Type 1 Wheels - Type 1 - Type 1 pe 1			30 32 36 38 40 42
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GENERAL INFORMATION





OUR HERITAGE

Celebrating 93 Years

WHO WE ARE

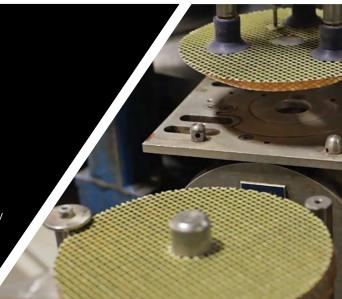
Vision | Mission | Customer Service Philosophy

QUALITY YOU CAN COUNT ON

ISO 9001: 2015 | Total Customer Satisfaction | Warranty

GROUND TRANSIT TIMES - USA

Lincoln, RI | Longwood, FL | Euless, TX | Anaheim, CA



HOW TO PLACE AN ORDER

Customer Service 8:30-5:00 pm (EST) Monday-Friday 800.227.4469 | 401.333.3000 | 401.333.3077 fax sales@bullardabrasives.com | www.bullardabrasives.com

PAYMENT

Our standard terms are 2% 10 days, net 30 days. 1.5% late charge will be assessed on any unpaid balance over 30 days

FREIGHT

Freight will be prepaid on a minimum shipment of \$500 within the continental United States Please contact us for information regarding shipments to Hawaii and Alaska All orders shipped within 24-hours of their receipt

MINIMUM ORDERS

There is no minimum order size, but complete box quantities are required; please order in multiples of box quantities

RETURN AUTHORIZATION

All returns must be authorized. Products to be returned in the original factory packaging and in saleable condition. All freight on returns are prepaid by shipper and subject to a 15% restocking charge



The founder of our company, George H. Bullard, was born in Worcester and attended Worcester, Massachusetts high schools. He held positions with the Norton Company and Bay State Abrasive Products until 1927 when he incorporated the Geo. H. Bullard Company in Framingham,

SINCE 1927

Massachusetts. Mr. Bullard made his own ovens and presses, and somehow supervised the sales, production and management departments. At

this time, only four names appeared on the payroll. The Company moved to Westborough, Massachusetts in 1929, taking up rented quarters in part of a building which had originally served as a meat packing plant. Then, in 1940, Bullard settled in its own location and could boast of ten employees. George H. Bullard demonstrated industriousness throughout his life. For example, when the Company first began, he would solicit orders, return to the plant and aid his assistants including his son Don in the manufacturing process, then personally deliver the product. During the depression years, Bullard, like most companies struggled to survive. In 1961 George Bullard was given recognition by the Grinding Wheel Institute and by Abrasive and Grain Association for devoting 40 years of enthusiastic service to the industry. George Bullard loved the sea and especially favored salt water fishing off of Cape Cod. In 1955 he moved to Daytona Beach, Florida. Mr. Bullard passed away in 1962.

Bullard's innovative designs made historic contributions to the abrasives industry. Designs such as the squared-nutted hub for grinding wheels, introduced the revolutionary concept of attaching a dedicated mounting device to the grinding wheel. That invention is known today as the mounted hub or "hubbed" wheel. He created the industry's first system of color coding wheel labels based on their application, making product selection easier

for the consumer. He invented the Type shaped Blend-N-Flexible wheel that

increased the contact area of the grinding surface on the work piece, and the incredible Sand-Away product that cuts, grinds and sands almost any material and can be used on several different tool types.

The late eighties saw the reins of ownership pass to Gifford Foley - a Vietnam veteran, decorated Green Beret, entrepreneur, and generally a James Bond sort of character. Mr. Foley served as the vice-president of marketing for Gibson guitars before joining the grinding wheel industry. We enjoyed the Gibson connection as several of Bullard's current management members are avid guitarists in addition to their passion for our products. There's a beautiful parallel between the sweet sound of a Gibson guitar and the "heavy metal" roar of a grinding wheel. In July 1989 Giff met his untimely passing while performing a challenging acrobatic maneuver in his biplane over the Niagara Falls gorge. Heroes have a certain and indistinguishable swagger - that was Gifford Foley.

In December 1990 Richard A. Whyte, the CEO during Mr. Foley's ownership, acquired Bullard Abrasives and under his stewardship began the process of building a stateof-the-art manufacturing business. Manufacturing and service to our country is deeply rooted in Mr. Whyte's military background and executive positions with major manufacturing companies across the globe. The guest for manufacturing excellence has been deeply instilled in the current Bullard organization by Mr. Whyte's belief that only first-class quality would win the commitment of customers, and there would be no celebration or sustain ability for second place.



In 2001, after enjoying a decade of growth, Bullard's future was entrusted to Dick's son Richard G. Whyte and a close friend and industry veteran Craig Pickell. The key management team of Rick, Craig, and Executive Vice President of Manufacturing, Hector Rodriguez (pictured throughout this catalog) provides the leadership that drives the company today. Aware of the company's heritage and deeply committed to the founding philosophy of George Bullard, the management team carries forward the commitment to innovation, quality product and service excellence so firmly established over 93 years ago.

In 2006 the company moved to its present Lincoln, Rhode Island location adding additional fully automated manufacturing presses and state-of-the-art mixing and molding rooms, as well as upgrades to existing computerized ovens. As 2008 was in full swing, Bullard's commitment to continuous improvements resulted in ISO 2008: 9001 Certification. With 2012 came a 24,000 square foot addition to the existing manufacturing and warehouse facility and the acquisition of Marvel Abrasive Products of Chicago, a leading manufacturer of resin fiber discs and surface conditioning products. In the beginning of 2016 preparation began for the new ISO 2015 upgraded certification and at the close of 2017, the Bullard team of dedicated employees worked tirelessly on the transition of relocating Marvel Abrasives to our current facility to better serve our customers.

As 2019 began, our united partnership with TAF Abrasivi of Italy commenced and proved to be an advantaged solution in providing quality TAF ABRASIVES USA flap discs.

Work continued through

2019 with the launch of www.tafabrasives.com website. Additionally, we introduced a Lean Manufacturing Program with processes and procedures within our offices, as well as our manufacturing and distribution facility. Just as we got off to an excellent start in early 2020, we all found ourselves facing a new way of navigating daily work duties and living life amidst COVID-19. In our efforts to increase product awareness and continue to build the Bullard brand, our first five product videos are now complete, highlighting the RapidGRIND™, NetGRIND™ NON-LOADING Flap Disc and three of our unique TAF Abrasives USA Flap Discs - Zirco-Ceramic, BIOTAF and TRIMTAF.

With hope for a return to normal living, here's to staying safe for you and your families. As always, we remain steadfast in our mission to delivery the best performance cutting, grinding and finishing solutions.



SINCE 1927, WE HAVE BEEN HELPING PROS MASTER THE DAILY GRIND

BUILDING ON MADE IN THE



WHO WF ARF

We manufacture grinding and cutting abrasive products for use on portable power tools. Our products are proudly made in the USA. We believe no other country can surpass the manufacturing excellence of US companies and Bullard stands tall among its peers by continually investing in our manufacturing operations. We know manufacturing plays a significant role in the health of the US economy - that is why we make it a point to partner with domestic suppliers for the high quality materials we need to produce our abrasive wheels. American companies working together to build better products, that's the essence of the American spirit and the foundation of our country's economic success.

From our Lincoln, Rhode Island manufacturing facility we engineer an array of products to cut and profile a variety of materials used in the metalworking and construction industries. From shipbuilding to pipeline construction, automotive to aircraft, our products are designed to exceed the performance expectations of those who rely on abrasive products to do their jobs.

Our mission is embodied in our responsibility to you - to deliver the best performing grinding and cutting wheels to make sure you get the job done. And with our commitment to quality throughout our entire manufacturing process, you can rest assured we're going to deliver on our promise.

WHFRF WF ARF

We are located in Rhode Island, a U.S. state in New England, known for sandy shores and seaside Colonial towns. Even though it is the smallest state in size, covering an area of 1,214 square miles, it's home to several large cities, including Newport, which is famed for sailing and Gilded Age mansions, as well as Providence, it's capital. Our state population is approximately 1 million (2017), but we have 384 miles of shoreline!





VISION

Our vision is to be the company recognized by our customers, employees, suppliers, and industry participants as the leading innovator in our industry. We see ingenuity as the process of applying our resources and talents to solving customer application challenges. We want to be at the vanguard of product and service innovation.

MISSION Greta Mae Our mission is to design and manufacture George Harrison Old English the best performing abrasive products and Vizsla deliver the greatest customer service humanly possible! In support of our mission, we adhere to the following core values:

Yes, we are a dog friendly office!

- » Conduct all activities with the utmost integrity and honesty
- » Pursue innovation in all aspects of our business
- » Respect the environment
- where we operate by actively controlling and reducing our environmental footprint
- » Infuse a discipline for quality in every process we perform
- » Cultivate a welcoming and progressive work culture for our employee family
- » We are committed to United States based manufacturing



CUSTOMER SERVICE PHILOSOPHY

We believe in the concept of treating our customers, suppliers, and employees as family. It may be an outdated idea to some but in our world we believe people respond better when they sense that those they deal with are genuinely interested in helping and can be counted on to follow through on their promises. Every one in our company is a customer service ambassador and can make decisions and take actions to get things done. When questions arise our people continually remind themselves of our mission -The Greatest Customer Service Humanly Possible - kind of says it all.

Customer Service can be reached at 800.227.4469 or email sales@bullardabrasives.com

QUALITY YOU CAN COUNT ON

Our commitment to quality has earned us our most recent ISO 9001: 2015 Certification. In 2009 we were proud to receive certification of our Bullard Abrasives manufacturing system to the international ISO 9001: 2008 quality standard. Our current ISO 2015 certification assures customers and employees that we produce the most consistent and highest quality product by adhering to a rigorous quality management system. Our employees are continually trained on

our processes, quality policies and procedures; they are experts at manufacturing our products to the highest standards. We continually safeguard the integrity of our quality practices by conducting extensive internal audits to test our compliance, and periodically submit to external audits by the world's leading ISO auditors. Every Bullard product shipped

from our facility meets these high standards.



TOTAL CUSTOMER SATISFACTION

Our primary goal is to provide total customer satisfaction. Recognized as one of the leading manufacturers of bonded and coated abrasives, our commitment is more than supplying you with the highest quality products available, but striving to build long term relationships that provides benefits to you and to help your business be more profitable.



Innovation is nothing without customer benefit. That's why we make sure all our

efforts translate into competitive and your advantages for you growing business.



WARRANTY

Bullard Abrasives. Inc. (the "Company") industrial warrants that all products it manufacturers (the "Products") will be free from defects in material and workmanship under normal use for which the Product was intended if, and 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 twelve (12) 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 the Company 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 the Company with respect to the quality of the Products sold by it.

This Warranty is expressly in lieu of all other warranties expressed or implied, including the warranties of merchantability, fitness for purpose and/or fitness for use and of all other obligations or liabilities on the part of the Company and any other person to assume for it, any other liability in connection with the sale of the Company's Products. This Warranty shall not apply to any product sold by the Company which has been subject to damage by accident or negligence of the user or any alteration, abuse or misuse. The Company makes no warranty with respect to accessories or parts employed by the user with any product which were not liable for any direct incidental, special, or consequential damages (including the Company's lost profits) in any way relating to the Products.

UNITED

"As of today, our new Italian-American story begins with the availability of TAF ABRASIVES USA products distributed here in North America directly from Bullard Abrasives..."

- Andrea Bassani - TAF ABRASIVI, ITALY



BULLARD) ABRASIVES

OUR ITALIAN-AMERICAN STORY.

TAF ABRASIVI and **BULLARD ABRASIVES** have united to supply world-class coated and bonded abrasives to professional markets throughout North America.

In keeping with our vision to be the company recognized by our customers, employees, suppliers, and industry participants as the leading innovator in our industry, we offer you quality through partnership. With our core manufacturing strategies, processes and procedures in common, a united partnership is the solution to expanding TAF flap discs to the American market.

We are pleased to announce that our Italian-American story begins with the availability of TAF USA products distributed here in North America directly from Bullard Abrasives, Inc.



TAF ABRASIVI

TAF Abrasivi headquarters is located in beautiful Monza, Italy where the state-of-the-art factory produces a wide assortment of industrial grade coated abrasives. TAF invented the flap disc and the company is unique in that they produced the actual abrasive cloth that makes the disc. With extensive R&D, proprietary formulations and a sophisticated manufacturing process, TAF produces unmatched material for flap disc production. TAF Abrasivi has been in business since 1953 and flap discs have been their performance leader since 1966.

become part of the story...

Why Flap Discs from TAF Abrasivi?



In the late 1960's TAF Abrasivi engineers pursued an ambitious project of designing a new type of disc that would continuously expose a fresh new grinding surface instead of continuing to wear down a single layer of abrasive as common to cloth and paper discs used with a backing pad. It was this innovative project that led to the introduction of the original flap disc, for which TAF Abrasivi was awarded a patent in 1966 (Patent 704640, dated April 22, 1966) and then forever changed the future of the abrasives industry.

Since the flap disc invention, TAF Abrasivi has continued to innovate by developing an expanded assortment of flap disc designs to meet the performance demands and application diversity of an ever changing market. TAF Abrasivi is unique in that we are one of a select group of companies that possesses both the technology for designing and producing the abrasive cloth and the actual finished flap disc. Our research and development team is always searching for the latest technology and advancements in raw material, production techniques and quality control. When you choose TAF Abrasivi products you can be confident that our many years of perfecting flap disc design and performance give you outstanding finish

Made in Italy

Distributed in USA

results.

ISO 9001 CERTIFICATION

For many years TAF Abrasivi SPA has achieved ISO 9001 certification for its own Quality System for abrasive tools, design and production. All design, production, quality control and shipment procedures are undertaken to ensure the highest quality of both product and service.

QUALITY TO THE CORE

Our commitment to quality starts with defining the most rigorous monitoring. We are proud of our state-of-the-art maker, conversion certified to ISO 9001: 2015. Every stage of our business ecosystem audits to assure that we meet the desired specifications for our



We are pleased to announce the release of TAF ABRASIVES USA Catalogue available in print and also can be downloaded at www.tafabrasivesusa.com/catalogs

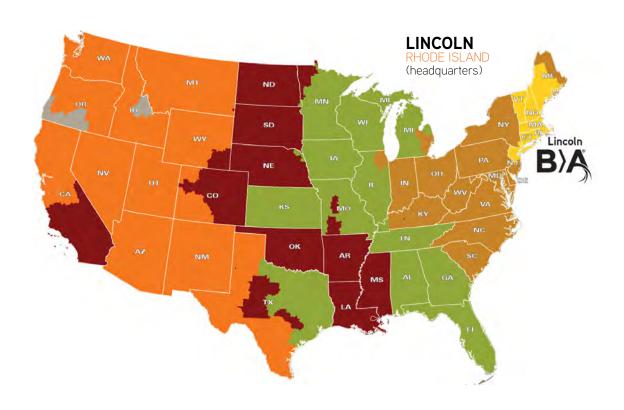


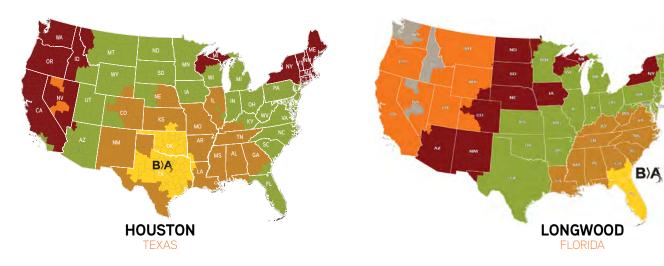
To learn more visit www.tafabrasivesusa.com

GROUND TRANSIT TIMES

Bullard Abrasives, Inc. corporate headquarters and main distribution facility is located in Lincoln, Rhode Island. These United States maps are a general representation of our ground transit times.











WHEEL TYPES

Type 1

Flat wheel for cutting



Hat shaped wheel for grinding

Type 27

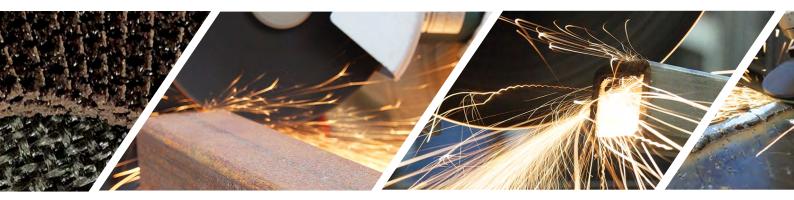
Depressed center wheel for grinding, notching and cutting



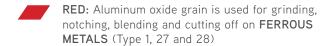
Type 29 Flap disc for grinding

and snagging





COLOR-CODED APPLICATION ICONS





ORANGE: Specially formulated wheels are used for grinding, notching, and cutting of ALUMINUM, BRASS and COPPER (Type 1 and 27)



GREEN: Silicon carbide grain is used for grinding, notching and cutting off on MASONRY, CONCRETE, STONE, ASPHALT, BRICK and BLOCK (Type 1 and 27)



BLUE: Performance grinding, notching, blending and cutting off on STAINLESS STEEL and other high tensile alloys (Type 1, 27 and 29)



GOLD: Light grinding and specialty cutting on FERROUS METALS with emphasis on the **PIPELINE** industry



PURPLE: Specially formulated FOUNDRY wheels are used for grinding IRON, STEEL and STAINLESS (Type 27)



BLUE/RED:

Ceramic grain is used for cutting and grinding STAINLESS STEEL and CARBON STEEL (Type 1, 27, 29M)



RED/GREEN: Combination of aluminum oxide and silicon carbide grains are used for cutting off on DUCTILE PIPE, CAST IRON and other **CONCRETE COATED STEEL** applications (Type 1)



GREEN/ORANGE: Combination of specially formulated wheels for NON-FERROUS and **CONCRETE** cutting and grinding (Type 28)



PERFORMANCE

MAX FORCE+ utilizes the latest ceramic abrasive technology for maximum service life with cool and rapid material removal. MAX FORCE+ represents the pinnacle of performance and value in production applications. Our ceramic cutting wheels are top performers. These state-of-the-art ceramic grain wheels offer cooler cutting with sharper, faster cuts, as well as, self-sharpening strength and durability on every rotation. These wheels are excellent for extra sharp power for cutting through sheet

metals, stainless steel tubing, pipes and rusted bolts to name a few. Premium value on carbon steel and stainless steel leads us to boast precision performance with high efficiency!



- T1 small diameter cut-off wheels CER36T
- T1 angle grinder cut-off wheels CER36T
- T27 angle grinder cut-off wheels CER36T
- · T27 depressed center grinding wheels CER24Q
- T27 pipeline, light grinding & cut-off wheels CER24Q
- T29M RapidGRIND® hybrid grinding discs SGA36, SGA50
- · Resin fibre discs SGP
- Quick-change fibre-backed discs SGP
- · Quick-change cloth-backed discs SGP+



MAX FORCE thin cut-off wheels turn your grinder into a turbocharged cutting machine. They tackle every type and cross-section of material with impressive results. If you are using a high powered grinder and want to maximize performance, MAX FORCE wheels are the ones that will get you to the winner's circle.

MAX FORCE grinding wheels aggressively remove steel in the most challenging applications. Whether smoothing flame-cut edges on heavy gauge plate, grinding casting parting lines, removing weld deposits, beveling hard steels, or any grinding operation where heavy stock removal is desired - MAX FORCE wheels do it to perfection. They are designed for maximum rate of material removal with extended service life. This formulation performs especially well on premium grinders that deliver a lot of torque to the wheel during grinding. On a "cost per pound" comparison, these wheels give the best bang for the buck.

- T1 small diameter cut-off wheels SGA60T, SGA46T
- T1 angle grinder cut-off wheels SGA60U, ZA60T
- T27 angle grinder cut-off wheels SGA60U, ZA60T, ZA30R
- T1 gas or hydraulic rail saw cut-off wheels ZA24Q, ZA30R
- T1 portable chop saw cut-off wheels ZA36T
- T27 depressed center grinding wheels ZA24R, ZA16U
- T27 pipeline, light grinding & cut-off wheels ZA30S
- T27 flap discs ALU40, ALU60
- Resin fibre discs SGLP
- · Quick-change fibre-backed discs SGLP
- Quick-change cloth-backed discs SGP

TIER LEVELS

HIGH ENERGY thin cut-off wheels blend performance with extended wheel life. They are slightly thicker version of their smaller siblings the LIGHTNING wheels, yet still maintain the rapid cutting action characteristics of the thinner wheels. Versatile and long-life grinding wheels for almost all ferrous and non-ferrous materials. Three separate HIGH ENERGY formulations for mild steel, stainless and aluminum all providing rapid grinding action and industry leading wheel life. This formulation is known for its smooth, vibration-free operation throughout its

HIGH ENERGY

life cycle. Achieves good performance on all quality levels of electric and air grinders. Priced lower than the MAX FORCE but still offering extended performance compared to competitors wheels costing up to 20% more.

- T1 small diameter cut-off wheels ZA60T, ZA46T
- T1 angle grinder cut-off wheels TA60U, TA46T, TA36T, AL46N
- T27 angle grinder cut-off wheels TA60U, A60T, Al46N
- T1 gas or electric portable saw cut-off wheels TA24R, PA24R, AC24R, PC24R
- T1 gas or hydraulic rail saw cut-off wheels A30R

- T1 portable chop saw cut-off wheels TA36T, A36-INOX, A46T, AL36R
- T27 depressed center grinding wheels TA24S, AL36N, A46Q
- T27 pipeline, light grinding & cut-off wheels TA30S
- T27 blend, deburr, grind AC 36-120, WA 36-80, CC 36 and 80
- · Resin fibre discs AZ
- Quick-change fibre-backed discs AZ
- Quick-change cloth-backed discs AZP

LIGHTNING wheel specifications offer industrial performance at a modest price. USA manufactured quality and high performance in both metal and concrete formulations that exceed the performance of lower cost imports, yet only cost a fraction more. A real value for the budget minded buyer. Our LIGHTNING wheels are a general purpose formulation with attitude. Don't be mistaken, this is a serious



workhorse that gives a great blend of material removal and wheel life. Made to exacting standards so you can expect consistent performance from every wheel you buy. These wheels are a good choice for applications where versatility of material type and fast removal rate are important.

- T1 small diameter cut-off wheels TA36T, TA60T, TA46T
- T1 angle grinder cut-off wheels TA60T, C24R
- T27 angle grinder cut-off wheels TA60T, C24R, A24R
- T1 gas or electric portable saw cut-off wheels A24R, C24R, CC20R
- T1 gas or hydraulic rail saw cut-off wheels A36T
- T1 portable chop saw cut-off wheels A36R
- T27 depressed center grinding wheels A24N, A24R, C24R
- T27 pipeline, light grinding & cut-off wheels A30R
- T28 depressed center grinding wheels AC24R, C24R
- Resin fibre discs AO
- · Resin fibre discs SC
- Quick-change cloth-backed discs AO



COMPETITOR cut-off wheels are an entry level, purpose cutting wheel for all applications. All COMPETITOR grinding and cutting wheels are Manufactured by Bullard Abrasives, Inc. in Taiwan. Our COMPETITOR line of grinding wheels are the solution when actual wheel cost is the most important factor. A general purpose wheel that gives good performance compared to low-end imports.

- T1 small diameter cut-off wheels A60T, A36T
- T1 angle grinder cut-off wheels A60T, A46T
- T27 angle grinder cut-off wheels TA60T
- T1 gas or electric portable saw cut-off wheels A24R, C24R
- T1 portable chop saw cut-off wheels A36R, A46T
- T27 depressed center grinding wheels A24R, ZA24R
- T27 pipeline, light grinding & cut-off wheels A30R

GRAINS FOR BONDED ABRASIVES

Aluminum Oxide

Friable

White - High purity Pink | Semi-friable Specialty treated High density Tough medium density brown

Zirconia

High performance fused alumina zirconia grain Outlasts standard aluminum oxide 3 to 1 Hard, tough, sharp

Ceramic

Seeded gel product | Most durable grains available Unique nano structure allows uniformed fracture when stressed

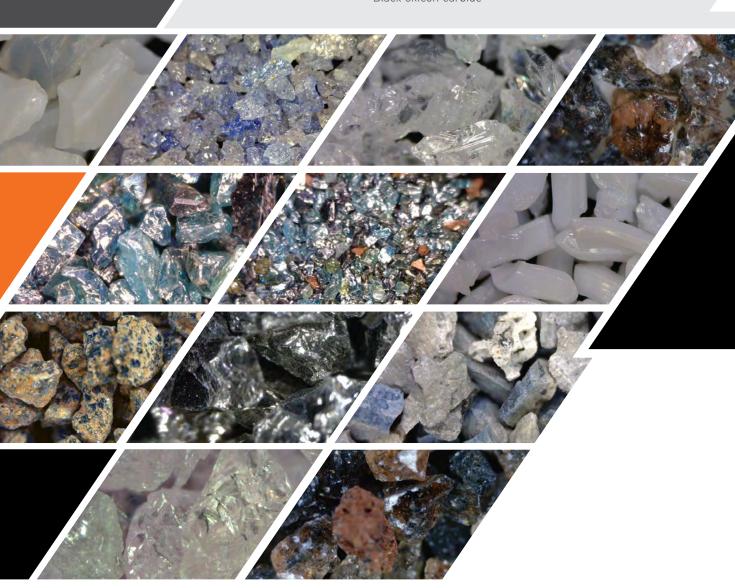
Ceramic grains are known to out perform zirconia

Silicon Carbide

High purity green silicon carbide when friable is required Grain helps eliminate clogging when cutting off soft materials Black silicon carbide

Essential to Performance and Durability

Using high quality abrasive grains with uniform characteristics which are consistent in size, shape, color, chemistry and toughness. These grain elements provide optimal bonding capabilities, and predictable grinding ratios which leads to longer wheel life.



GRAIN SPECIFICATIONS

Grain Type:

- » A Aluminum Oxide for metal applications
- » C Silicon Carbide for masonry applications
- » TA Treated Aluminum Oxide
- » ZA Alumina Zirconia for stainless steel and ferrous metal applications
- » SGA Ceramic for stainless steel and carbon steel applications
- » CER State-of-the-art ceramic for stainless steel and carbon steel applications



Grain Size:

- » Coarse 8-24
- » **Medium** 30-60
- 70-80 » Fine

Bond Hardness:

- » Soft A - N
- » Medium O S
- T Z » Hard

Bond Type:

- » BF Resinold Fiberglass Reinforced
- Shellac
- Rubber
- Vitrified



SAFETY

BEFORE, DURING AND AFTER



BEFORE - OPERATION SAFETY

- » Always inspect the wheel for possible damage before use, DO NOT use wheels you suspect are damaged
- » Check the Max RPM on the wheel and the manufacturer's rating on the power tool to confirm wheel speed is EQUAL or ABOVE the speed of the tool
- » Check that the wheel guard is correctly mounted on the tool and that the guard has not been altered or damaged
- » For tools designed for type 1 cut off wheels, make sure the mounting flanges are in good condition, of equal size, and of a size approximating 1/3 of the diameter of the cut off wheel

DURING - OPERATION SAFETY

- » Always make sure that the tool guard covers at least one-half of the wheel
- » Always allow newly mounted wheels to run at operating speed, with the guard in place, for at least one minute before grinding
- » Always wear safety glasses and face shields when grinding and cutting
- » Always follow other safety instructions represented by the icons on the wheel label and/or the safety message on the material being ground or cut

AFTER - STORAGE SAFETY

- » Always store wheels in a dry place at reasonably constant temperature
- » Always store Type 1 cut off wheels flat to avoid warpage
- » Always check used abrasive wheels for any damage and discard any wheel with minor signs of damage
- » Always clean and check the power tool and machine guard for any possible damage before storage

WARNING:

GRINDING WHEELS IMPROPERLY USED ARE DANGEROUS!

FAILURE TO OBSERVE SAFETY PRECAUTIONS MAY RESULT IN SERIOUS INJURY!





















GRINDING GENERATES DUST!

» Most of the dusts generated when grinding are from material being ground. Excessive dust inhalation may affect the breathing function. To avoid breathing impairment, always use proper ventilation controls and/or protective measures to the materials being ground.

COMMON SENSE RULES:

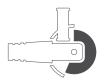
- » Always use a guard
- » Always wear eye protection
- » Always comply with ANSI B7.1 and OSHA regulations
- » Never exceed maximum safe speed marked on wheel
- » Never use a cracked wheel or one that has been dropped or damaged
- » Never force a wheel onto the machine or alter the size of the mounting hole
- » Never use mounting flanges for Type 1 cut-off wheels unless they are 1/3 the diameter of the wheel and are clean, flat and free of burns
- » Never overtighten the mounting nut
- » Never grind the side of the wheel designed for cutting (see ANSI Safety Code B7.1 for exceptions)
- » Never start the machine until the wheel guard is in place
- » Never jam work into the wheel
- » Never stand directly in front of a grinding wheel whenever a grinder is started
- » Never store wheels in a damp place or in extreme temperatures
- » Never store wheels directly on edge with only one point touching shelf or without guard to prevent rolling

» Never handle wheels carelessly - wheels are brittle and break easily - never bump or drop wheels against one another or other objects



ALWAYS SAFETY

TOOLS THE RIGHT TOOL FOR THE RIGHT WHEEL



ANGLE GRINDER

- » Type 1 Cut-Off Wheels
- » Type 27 Depressed Center Grinding Wheels
- » Type 27 Depressed Center Pipeline, Light Grinding & Cut-Off Wheels
- » Type 27 Grinding & Finishing Flap Discs
- » Type 27 High Density Flap Discs
- » Type 27 Depressed Center Blending/Grinding Wheels
- » Type 27 Depressed Center Cutting Wheels
- » Type 28 Depressed Center Grinding Wheels
- » Type 29 Grinding & Finishing Flap Discs
- » Type 29 High Density Flap Discs
- » Type 29M RapidGRIND™
- » Hook & Loop Surface Conditioning Discs
- » Semi-Flexible Discs
- » Marvel*Strip*™ Discs



STRAIGHT SHAFT AIR OR ELECTRIC TOOL

» Type 1 Cut-Off Small Diameter Wheels



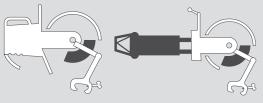
ANGLE AIR DIE GRINDER

- » Quick-Change Mini Flap Discs
- » Flap Wheels
- » Quick-Change Fibre-Backed Discs
- » Quick-Change Cloth-Backed Discs
- » Quick-Change Surface Conditioning Discs



GAS OR ELECTRIC PORTABLE SAW

» Type 1 Cut-Off Gas or Electric Portable Saw Wheels



GAS AND HYDRAULIC RAIL SAW

» Type 1 Cut-Off Gas and Hydraulic Rail Saw Wheels





FREQUENTLY ASKED QUESTIONS

What is causing material from the work piece to become present on the contact surface of an abrasive wheel? How can I correct this problem?

This is referred to as Wheel Loading. The cause is from using the change wheel specification to a course grit or a more open structure to

What is causing Wheel Glazing? What is the solution to this problem?

Glazing is when exposed grain becomes dull and does not let new sharp

What is causing the wheel to break?

Irregular Wheel Breakage is caused by the wheel being damaged is caused by too much side load pressure and Radial Wheel wheel pressure on work surface. Causes could also include wheel jams in work surface, improper wheel

WARNING: Stop all operations. Take time to solve the problem. If unable to solve the problem, call your local sales

Why is the wheel cutting slowly?

Slow Cut Rate can be caused by the following reasons: Not machine spindle and wheel run out.

What causes the work piece to burn?

more power, try working machine at

Why is the wheel not cutting square cuts and how do I resolve this issue?

Reasons for non-square cuts could be that the work is not properly secured, worn spindle bearings or the wheel is too hard. Check clamps and remove residue from cuts. Check spindle and alignment and/ or try a softer wheel.

Why does the wheel have a short wheel life?

If your wheel has a short life, the wheel is too soft. Use harder bond.



HELPFUL HINTS

CUTTING

- » Longest life use coarsest, hardest wheel that will do the job
- » Minimum of 1 hp for every 1" of wheel diameter
- » Never exceed the recommended RPM for maximum performance and safety
- » Most efficient cutting rate use 2-3 seconds per square inch as a guideline
- » Position materials for the least contact between wheel and work piece
- » Flanges should be equal diameter, recessed and at least 1/3 the diameter of the wheel for wheels 12" and larger









HELPFUL HINTS

- » For maximum results Type 27 depressed center wheels should be used at a 15° to 30° angle to the work piece
- » Depressed center grinding wheels should never be used flat
- » Type 28 wheels should be used at a minimum of 10° angle to the work piece
- » Type 29 wheels should be used at a minimum of 15° angle
- » Type 29M wheels should be used at a minimum of $5\,^\circ$ angle



Type 27 15° to 30°



Type 29 15° to 30°



Type 28 10° to 30°



Type 29M 5° to 30°



Our MAX FORCE+ Type 1 ceramic cutting wheels are top performers. These wheels offer state-of-the-art ceramic grain for premium cooler cutting with sharper, faster cuts, as well as self-sharpening strength and durability on every rotation. These wheels are excellent for extra sharp power for cutting through sheet metals, stainless steel tubing, pipes and rusted bolts to name a few. Premium value on carbon steel and stainless steel leads us to boast precision performance with high efficiency!

CER36T

- » Application: Carbon steel and stainless steel
- » Contaminant-free cutting -(Fe + S + Cl < 0.1%)</p>
- » Top performers state-of-the-art ceramic grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
45301	3 × .045 × 1/4	25,450	50	\$4.12
45303	3 × .045 × 3/8	25,450	50	\$4.12
45401	$4 \times .045 \times \frac{1}{4}$	19,000	50	\$6.68
45403	$4 \times .045 \times \frac{3}{8}$	19.000	50	\$6.68



MAX FORCE thin cut-off wheels turn your small cut-off tool into a turbocharged cutting machine. This is one of the fastest cutting and longest lasting wheel we have ever designed. It tackles every type and cross section of materials with impressive results. If you are using a high powered cut-off tool and want to maximize performance, the Max Force wheel is the one that will get you to the winner's circle.

SGA60T, SGA46T

- » Application: Stainless steel and high tensile alloys
- » Contaminant-free cutting of stainless steel. No iron, sulfur or chlorine
- » Super premium long life cutting wheel specifically designed to cut all forms of stainless steel, high tensile alloys, chrome and Inconel[®] alloys

SGA60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
43303	3 × .035 × 3/8	25,450	50	\$2.65
43403	4 × .035 × 3/8	19,000	50	\$3.97

SGA46T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
43313	$3 \times \frac{1}{16} \times \frac{3}{8}$	25,450	50	\$2.65
43413	$4 \times \frac{1}{16} \times \frac{3}{8}$	19,000	50	\$3.97

ZA60T, ZA46T

- » Maximum wheel performance for stainless steel and high tensile alloys
- » ZA60T: Premium long life wheel 1/32" thick - Fine grit
- » ZA46T: Premium fast cut wheel 1/16" thick -Medium fine grit
- » Zirconia grain

ZA60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
93303	$3 \times \frac{1}{32} \times \frac{3}{8}$	25,450	50	\$2.12
93301	$3 \times \frac{1}{32} \times \frac{1}{4}$	25,450	50	\$2.12
93403	$4 \times \frac{1}{32} \times \frac{3}{8}$	19,000	50	\$3.06

ZA46T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
93313	$3 \times \frac{1}{16} \times \frac{3}{8}$	25,450	50	\$2.12
93311	$3 \times \frac{1}{16} \times \frac{1}{4}$	25,450	50	\$2.12
93413	$4 \times \frac{1}{16} \times \frac{3}{8}$	19,000	50	\$3.06





DIMENICIONIC

LIGHTNING is the "thinner" version of the High Energy formulation, it has the same great performance along with a slightly faster cutting speed and a smaller cut-line in the material being worked on. With a thinner profile, Lightning wheels are a bit more flexible for getting into tight recesses.

TA60T, TA46T, TA36T

- » Application: Ferrous metals
- » TA60T: Ideal for sheet metal, minimum burring
- » Secondary application: Stainless steel for fast, burr free cutting - .035" thick
- » Treated aluminum oxide grain fine grit
- » TA46T: Ideal for sheet metal, minimum burring
- » Secondary application: Stainless steel and high tensile alloy - 1/16" thick
- » Treated aluminum oxide grain medium coarse
- » TA36T: 1/8", 3/16", 1/4", 3/8", and 1/2" used for weld grinding, surface preparation (welds, steel and iron) non-ferrous (copper)
- » Secondary application stainless steel and high tensile alloy
- » Treated aluminum oxide grain medium coarse grit

TA60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
53203	2 × .035 × 3/8	38,200	50	\$1.41
53303	3 × .035 × 3/8	25,450	50	\$1.60
53301	3 × .035 × 1/4	25,450	50	\$1.60
53403	4 × .035 × 3/8	19,000	50	\$1.97
TA46T				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
53213	2 × ½16 × 3/8	38,200	50	\$1.41
55213	$2\frac{1}{2} \times \frac{1}{16} \times \frac{3}{8}$	30,500	50	\$1.53
56213	$2^{7/8} \times \frac{1}{16} \times \frac{3}{8}$	25,450	50	\$1.53
53313	3 × ½16 × 3/8	25,450	50	\$1.60
53311	3 × ½16 × ½	25,450	50	\$1.60
53312	3 × ½16 × ½	25,450	50	\$1.56
53413	$4 \times \frac{1}{16} \times \frac{3}{8}$	19 000	50	\$1 97

When DEPENDABILITY and FLEXIBILITY are a must, these fast, cool and free cutting wheels will allow the operator to complete the task with minimal pressure and more control for clean, straight cutting.

TA36T DADT#

PART#	DIMENSIONS	MAX RPM	QTY	LIST
53233	2 × ½ × ½	38,200	50	\$1.41
61263	$2 \times \frac{1}{4} \times \frac{3}{8}$	30,550	25	\$1.81
61283	$2 \times \frac{3}{8} \times \frac{3}{8}$	27,120	25	\$2.35
61293	$2 \times \frac{1}{2} \times \frac{3}{8}$	27,120	25	\$2.96
55233	2½ × ½ × ¾	30,500	50	\$1.56
65263	$2\frac{1}{2} \times \frac{1}{4} \times \frac{3}{8}$	24,430	25	\$2.16
65293	2½ × ½ × ¾	21,680	25	\$3.99
53323	$3 \times \frac{3}{32} \times \frac{3}{8}$	25,450	50	\$1.70
53333	$3 \times \frac{1}{8} \times \frac{3}{8}$	25,450	50	\$1.97
53353	$3 \times \frac{3}{16} \times \frac{3}{8}$	25,450	50	\$2.27
61363	$3 \times \frac{1}{4} \times \frac{3}{8}$	20,370	25	\$2.48
61383	$3 \times \frac{3}{8} \times \frac{3}{8}$	20,370	25	\$3.23
61393	$3 \times \frac{1}{2} \times \frac{3}{8}$	20,370	25	\$3.80
53433	$4 \times \frac{1}{8} \times \frac{3}{8}$	19,000	50	\$2.42
61463	$4 \times \frac{1}{4} \times \frac{3}{8}$	13,560	25	\$3.20
61483	$4 \times \frac{3}{8} \times \frac{3}{8}$	13,560	25	\$3.26

COMPETITOR - entry level general purpose cutting wheels for all applications.



A60T, A36T

- » Application: ferrous metals
- » General purpose cutting value line

A60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
51303	3 × 1/32 × 3/8	25,450	25	\$0.92
51301	3 × 1/32 × 1/4	25,450	25	\$0.92
51314	$3 \times \frac{1}{16} \times \frac{3}{8}$	25,450	50	\$0.92
51312	$3 \times \frac{1}{16} \times \frac{1}{4}$	25,450	25	\$0.92
51334	3 × ½ × ½	25,450	25	\$1.03
51403	$4 \times \frac{1}{32} \times \frac{3}{8}$	19,000	25	\$1.03
51414	$4 \times \frac{1}{16} \times \frac{3}{8}$	19,000	50	\$1.03
51434	$4 \times \frac{1}{8} \times \frac{3}{8}$	19,000	50	\$1.13
A36T				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
51313	$3 \times \frac{1}{16} \times \frac{3}{8}$	25,450	50	\$0.92
51311	$3 \times \frac{1}{16} \times \frac{1}{4}$	25,450	25	\$0.92
51333	3 × ½ × ½	25,450	25	\$1.03
51413	$4 \times \frac{1}{16} \times \frac{3}{8}$	19,000	50	\$1.03
51433	$4 \times \frac{1}{8} \times \frac{3}{8}$	19.000	25	\$1.13



are offered in a wide range of specifications to neet any cutting applications using a right angle grinder.

Industry leading performance and quality.

Our MAX FORCE+ Type 1 ceramic cutting wheels are top performers. These wheels offer stateof-the-art ceramic grain for premium cooler cutting with sharper, faster cuts, as well as self-sharpening strength and durability on every rotation. These wheels are excellent for extra sharp power for cutting through sheet metals, stainless steel tubing, pipes and rusted bolts to name a few. Premium value on carbon steel and stainless steel leads us to boast precision performance with high efficiency!

CER36T

- » Application: Carbon steel and stainless steel
- » Contaminant-free cutting (Fe + S + Cl < 0.1%)</p>
- » Top performers state-of-the-art ceramic grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
43409	$4\frac{1}{2} \times .045 \times \frac{7}{8}$	13,300	25	\$4.10
43509	5 × .045 × 7/8	12,200	25	\$4.70
43609	$6 \times .045 \times \frac{7}{8}$	10,200	25	\$6.64

MAX FORCE thin cut-off wheels turn your small cut-off tool into a turbocharged cutting machine. They tackle every type and cross-section of material with impressive results. If you are using a high powered grinder and want to maximize performance, the Max Force wheel is the one that will get you to the winner's circle.

SGA60U, ZA60T

- » Application: Stainless steel and high tensile
- » Contaminant-free cutting of stainless steel. No iron, sulfur or chlorine
- » Super premium long life cutting wheel specifically designed to cut all forms of stainless steel, high tensile alloys, chrome and Inconel® alloys

SGAGOLI

SUADI						
PART#	DIMENSIONS	MAX RPM	QTY	LIST		
43407	$4\frac{1}{2} \times .045 \times \frac{7}{8}$	13,300	25	\$2.96		
43507	5 × .045 × 7/8	12,200	25	\$3.68		
43607	6 × .045 × 1/8	10,200	25	\$4.31		
ZA60 ⁻	7A60T					
PART#	DIMENSIONS	MAX RPM	QTY	LIST		
93405	DIMENSIONS $4 \times .040 \times \frac{5}{8}$	15,000	QTY 25	\$2.67		
93405	4 × .040 × 5/8	15,000	25	\$2.67		
93405 93407	4 × .040 × ⁵ / ₈ 4½ × .040 × ⁷ / ₈	15,000 13,300	25 25	\$2.67 \$2.96		
93405 93407 93507	4 × .040 × ⁵ / ₈ 4½ × .040 × ⁷ / ₈ 5 × .040 × ⁷ / ₈	15,000 13,300 12,200	25 25 25	\$2.67 \$2.96 \$3.51		



HIGH ENERGY thin cut-off wheels blend performance with extended wheel life. A slightly thicker version of their smaller siblings the Lightning wheels, yet still maintain the rapid cutting action characteristics of the thinner wheels.

TA60U, TA46T, TA36T

- » TA60U: Application: Ferrous metals and stainless
- » Premium long life, faster cutting .045 thick wheels
- » A rigid, thicker wheel with improved grain and resin combination to take on the most demanding cutting application
- » TA46T: Application: Ferrous metals (angle iron, rebar and steel)
- » Secondary application stainless steel, high tensile alloy 1/16" thick
- » A premium wheel with longer life and maximum wheel performance on ferrous metals
- » TA36T: Secondary application stainless steel, high tensile alloy 3/32" thick
- » A premium wheel for heavy duty use

TA60U

PART#	DIMENSIONS	MAX RPM	QTY	LIST
53409	$4\frac{1}{2} \times .045 \times \frac{7}{8}$	13,300	25	\$2.20
58409	4½ × .045 × 5/8-11	13,300	10	\$3.70
53509	5 × .045 × 7/8	12,200	25	\$2.96
58509	5 × .045 × 5/8-11	12,200	10	\$4.46
53609	6 × .045 × ⁷ / ₈	10,200	25	\$3.15
58609	6 × .045 × 5/8-11	10,200	10	\$4.65

Note: Mini hubs now available on .045" cut-off wheels - See SPEC TA60U above for product #58409, #58509 and #58609. See Page 33 for Type 27 products - #28409, #28509 and #28609.

MAY DDM OTV

DIMENSIONS

TA46T DADT#

PART#	DIMENSIONS	MAX RPM	QTY	LIST
53415	$4 \times \frac{1}{16} \times \frac{5}{8}$	15,000	25	\$2.12
53417	$4\frac{1}{2} \times \frac{1}{16} \times \frac{7}{8}$	13,300	25	\$2.29
53517	5 × ½16 × %	12,200	25	\$2.79
53617	6 × ½16 × ½8	10,200	25	\$3.06
53714	7 × ½16 × 5/8	8,500	25	\$4.68
53717	7 × ½16 × %	8,500	25	\$4.68
53713	7 × ½16 × ½	8,500	25	\$4.68
TA36T				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
53425	$4 \times \frac{3}{32} \times \frac{5}{8}$	15,000	25	\$2.23
53427	$4\frac{1}{2} \times \frac{3}{32} \times \frac{7}{8}$	13,300	25	\$2.23
53527	$5 \times \frac{3}{32} \times \frac{7}{8}$	12,200	25	\$3.82
53727	$7 \times \frac{3}{32} \times \frac{7}{8}$	8,500	25	\$4.49



HIGH ENERGY



- » Application non-ferrous metals (aluminum, brass and copper)
- » A thin .040 wheel for fast, cool, burr-free cutting
- » Special formulation to prevent loading

PART#	DIMENSIONS	MAX RPM	QTY	LIST
63405	$4 \times .040 \times \frac{5}{8}$	15,000	25	\$2.23
63407	$4\frac{1}{2} \times .040 \times \frac{7}{8}$	13,300	25	\$2.42
63507	5 × .040 × 7/8	12,200	25	\$2.96
63607	6 × .040 × 7/8	10,200	25	\$3.20
63707	7 × .040 × 7/8	8,500	25	\$3.53

LIGHTNING is the "thinner" version of the High Energy formulation, it has the same great performance along with a slightly faster cutting speed and a smaller cut-line in the material being worked on. With a thinner profile, Lightning wheels are a bit more flexible for getting into tight recesses.

TA60T

- » Application: Ferrous metals (iron, steel, welds, etc.)
- » A thin .040" wheel for fast, cool, burr-free cutting
- » Specially treated aluminum oxide grain for increased wheel performance

TA60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
53405	4 × .040 × 5/8	15,000	25	\$2.04
53407	$4\frac{1}{2} \times .040 \times \frac{7}{8}$	13,300	25	\$2.20
53507	5 × .040 × 1/8	12,200	25	\$2.67
53607	6 × .040 × 1/8	10,200	25	\$2.96
53707	7 × .040 × 1/8	8,500	25	\$3.34

C24R

- » Application: Concrete, masonry and stone
- » Harder bond improved wheel life for increased wheel performance
- » Silicon carbide grain

C24R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
53430	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$2.35
53436	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.35
53536	5 × 1/0 × 7/0	12 200	25	\$3.55

COMPETITOR - entry level general purpose cutting wheels for all applications.

A60T, A46T

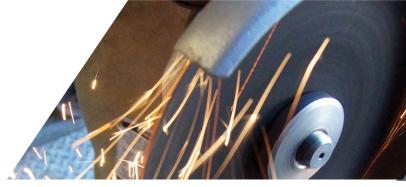
- » Application: Ferrous metals (iron, steel, welds, etc.)
- » A60T: General purpose fast cutting
- » A46T: General purpose long life
- » Value line

A60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
51405	4 × .045 × 5/8	15,000	25	\$1.05
51407	$4\frac{1}{2} \times .045 \times \frac{7}{8}$	13,300	25	\$1.83
51507	5 × .045 × ⁷ / ₈	12,200	25	\$1.93
51607	$6 \times .045 \times \frac{7}{8}$	10.200	25	\$2.25

A46T

51617	$6 \times \frac{1}{16} \times \frac{7}{8}$	10 200	25	\$2 27
PART#	DIMENSIONS	MAX RPM	QTY	LIST







are manufactured for speedy, precise cutting for little burr on ferrous and non-ferrous metals.

Our MAX FORCE+ Type 27 ceramic cutting wheels are top performers. These wheels offer state-of-the-art ceramic grain for premium cooler cutting with sharper, faster cuts, as well as selfsharpening strength and durability on every rotation. These wheels are excellent for extra sharp power for cutting through sheet metals, stainless steel tubing, pipes and rusted bolts to name a few. Premium value on carbon steel and stainless steel leads us to boast precision performance with high efficiency!



- » Application: Carbon steel and stainless steel
- » Contaminant-free cutting -(Fe + S + Cl < 0.1%)
- » Top performers state-of-the-art ceramic grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
42409	$4\frac{1}{2} \times .045 \times \frac{7}{8}$	13,300	25	\$4.28
42509	5 × .045 × 1/8	12,200	25	\$4.89
42609	$6 \times .045 \times \frac{7}{8}$	10,200	25	\$6.83

MAX FORCE thin cut-off wheels turn your small cut-off tool into a turbocharged cutting machine. They tackle every type and cross-section of material with impressive results. If you are using a high powered grinder and want to maximize performance, the Max Force wheel is the one that will get you to the winner's circle.

SGA60U, ZA60T

- » Application: Stainless steel and high tensile alloys
- » Contaminant-free cutting of stainless steel. No iron, sulfur or chlorine
- » Super premium long life cutting wheel specifically designed to cut all forms of stainless steel, high tensile alloys, chrome and Inconel® alloys

SGA60U

PART#	DIMENSIONS	MAX RPM	QTY	LIST
42407	$4\frac{1}{2} \times .045 \times \frac{7}{8}$	13,300	25	\$3.34
42507	5 × .045 × 7/8	12,200	25	\$4.03
42607	$6 \times .045 \times \frac{7}{8}$	10.200	25	\$4.79

MAX FORCE

ZA60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
14405	4 × .040 × 5/8	15,000	25	\$2.67
14407	4½ × .040 × 1/8	13,300	25	\$2.96
14507	5 × .040 × 7/8	12,200	25	\$3.51
14607	6 × .040 × 7/8	10,200	25	\$4.24
14707	7 × .040 × 7/8	8,500	25	\$4.66

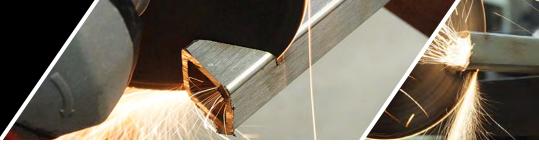
ZA30R

- » Application: Stainless steel and high tensile alloys
- » Secondary application ferrous metals (structural steel, iron, welds, etc)
- » A thicker 1/8" wheel for increased performance
- » Zirconia grain specially designed for faster cutting and long life
- » Proven performer on pipeline applications requiring cutting and notching with a single wheel

PART#	DIMENSIONS	MAX RPM	QTY	LIST
14433	4 × 1/8 × 5/8	15,000	25	\$5.17
14437	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$5.33
14438	4½ × ½ × 5/8-11	13,300	10	\$6.91
14537	5 × 1/8 × 7/8	12,200	25	\$6.53
14538	5 × 1/8 × 5/8-11	12,200	10	\$8.11
14637	6 × 1/8 × 7/8	10,200	25	\$8.27
14638	6 × 1/8 × 5/8-11	10,200	10	\$9.85
14737	$7 \times \frac{1}{8} \times \frac{7}{8}$	8,500	25	\$8.48
14738	7 × 1/8 × 5/8-11	8,500	10	\$10.48
14937	9 × 1/8 × 7/8	6,650	25	\$11.47
14938	9 × 1/8 × 5/8-11	6,650	10	\$13.46

In tight situations, FLUSH CUTTING is made easier by allowing more of the wheel to come closer to the work surfaces.





HIGH ENERGY thin cut-off wheels blend performance with extended wheel life. A slightly thicker version of their smaller siblings the Lightning wheels, yet still maintain the rapid cutting action characteristics of the thinner wheels.

TA60U, A60T

- » TA60U: Application: Ferrous metals and stainless
- » Premium long life, faster cutting .045 thick cutting wheels
- » A rigid, thicker wheel with improved grain and resin combination to take on the most demanding cutting application
- » A60T: Application: Ferrous metals (iron, steel, welds, etc.) and stainless
- » Contaminant-free formulation for stainless steel applications

TA60U

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24409	$4\frac{1}{2} \times .045 \times \frac{7}{8}$	13,300	25	\$2.37
28409	4½ × .045 × 5/8-11	13,300	10	\$3.87
24509	$5 \times .045 \times \frac{7}{8}$	12,200	25	\$3.09
28509	5 × .045 × 5/8-11	12,200	10	\$4.59
24609	$6 \times .045 \times \frac{7}{8}$	10,200	25	\$3.46
28609	6 × .045 × 5/8-11	10,200	10	\$4.96

HIGH ENERGY

COMBO WHEEL

Cutting, Grinain	ig, Deburrin	g & Bu	enaing
DIMENSIONS	MAX RPM	QTY	LIST
$4\frac{1}{2} \times \frac{5}{64} \times \frac{7}{8}$	13,300	25	\$3.57
$5 \times \frac{5}{64} \times \frac{7}{8}$	12,200	25	\$3.74
$6 \times \frac{5}{64} \times \frac{7}{8}$	10,200	25	\$4.26
	DIMENSIONS $41/2 \times 5/64 \times 7/8$ $5 \times 5/64 \times 7/8$	DIMENSIONS MAX RPM 4½ × 5/64 × 7/8 13,300 5 × 5/64 × 7/8 12,200	$4\frac{1}{2} \times \frac{5}{64} \times \frac{7}{8}$ 13,300 25 5 × $\frac{5}{64} \times \frac{7}{8}$ 12,200 25



- » Application: Non-ferrous metals (aluminum, brass and copper)
- » A thin .040 wheel for fast, cool, burr-free cutting
- » Special formulation to prevent loading

AL46N

PART#	DIMENSIONS	MAX RPM	QTY	LIST
62405	$4 \times .040 \times \frac{5}{8}$	15,000	25	\$2.35
62407	$4\frac{1}{2} \times .040 \times \frac{7}{8}$	13,300	25	\$2.61
62507	5 × .040 × 7/8	12,200	25	\$3.06
62607	$6 \times .040 \times \frac{7}{8}$	10,200	25	\$3.55
62707	$7 \times .040 \times \frac{7}{8}$	8,500	25	\$3.95





LIGHTNING is the "thinner" version of the High Energy formulation, it has the same great performance along with a slightly faster cutting speed and a smaller cut-line in the material being worked on. With a thinner profile, Lightning wheels are a bit more flexible for getting into tight recesses.



TA60T, A24R

- » Application: Ferrous metals (iron, steel, welds, etc.)
- » TA60T: A thin .040" wheel for fast, cool, burrfree cutting
- » Specially treated aluminum oxide grain for increased wheel performance
- » A24R: A thicker wheel for increased life for tough, heavy duty jobs

TA60T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24405	4 × .040 × 5/8	15,000	25	\$2.12
24407	$4\frac{1}{2} \times .040 \times \frac{7}{8}$	13,300	25	\$2.37
24507	5 × .040 × 1/8	12,200	25	\$2.79
24607	6 × .040 × 1/8	10,200	25	\$3.25
24707	$7 \times .040 \times \frac{7}{8}$	8,500	25	\$3.61

A24R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24423	$4 \times \frac{3}{32} \times \frac{5}{8}$	15,000	25	\$1.98
24427	$4\frac{1}{2} \times \frac{3}{32} \times \frac{7}{8}$	13,300	25	\$2.58
28427	$4\frac{1}{2} \times \frac{3}{32} \times \frac{5}{8} - 1$	1 13,300	10	\$4.15
24527	$5 \times \frac{3}{32} \times \frac{7}{8}$	12,200	25	\$3.66
28527	$5 \times \frac{3}{32} \times \frac{5}{8} - 11$	12,200	10	\$5.23
24627	$6 \times \frac{3}{32} \times \frac{7}{8}$	10,200	25	\$4.28
28627	$6 \times \frac{3}{32} \times \frac{5}{8} - 11$	10,200	10	\$5.86
20727	$7 \times \frac{3}{32} \times \frac{7}{8}$	8,500	25	\$4.62
28727	$7 \times \frac{3}{32} \times \frac{5}{8} - 11$	8,500	10	\$6.62
20927	$9 \times \frac{3}{32} \times \frac{7}{8}$	6,650	25	\$6.38
28927	$9 \times \frac{3}{32} \times \frac{5}{8} - 11$	6,650	10	\$8.38



- » Application: Concrete, masonry and stone
- » Harder bond improved wheel life for increased wheel performance
- » Silicon carbide grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24430	4 × ½ × ½	15,000	25	\$2.27
24436	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.27
28436	4½ × ½ × 5/8-11	13,300	10	\$3.85
24536	$5 \times \frac{1}{8} \times \frac{7}{8}$	12,200	25	\$3.42
28536	5 × 1/8 × 5/8-11	12,200	10	\$5.00
24636	$6 \times \frac{1}{8} \times \frac{7}{8}$	10,200	25	\$4.05
28636	6 × 1/8 × 5/8-11	10,200	10	\$5.63
20736	$7 \times \frac{1}{8} \times \frac{7}{8}$	8,500	25	\$4.37
28736	7 × 1/8 × 5/8-11	8,500	10	\$6.36
20936	9 × ½ × ½	6,650	25	\$6.01
28936	9 ×½ × ½-11	6,650	10	\$8.00

COMPETITOR - entry level general purpose cutting wheels for all applications.



TA60T

- » Application: Ferrous metals (iron, steel, welds, etc.)
- » A thin .040 wheel for fast, cool, burr-free cutting
- » Value line

PART#	DIMENSIONS	MAX RPM	QTY	LIST
21405	4 × .040 × 5/8	15,000	25	\$1.15
21407	$4\frac{1}{2} \times .040 \times \frac{7}{8}$	13,300	25	\$2.01
21607	$6 \times .040 \times \frac{7}{8}$	10.200	25	\$2.48

WHEN CHALLENGING CUTTING APPLICATIONS

ARISE, try our 3/32" thick wheel for longer life and durability. For more specialty cutting and grinding, we offer our new 5/64" triple reinforcement cut, grind and deburr combo wheels.







surfaces be warned...





HIGH ENERGY portable cut-off saw specifications are designed to be versatile performers on all types and sizes of metal and masonry materials. Utilizing a special bond system developed by Bullard engineers, these wheels out cut and out last competitors while offering excellent value on a price/performance ratio.

TA24R, PA24R

- » TA24R: Application: Thin metals, roof, decking, car dismantling
- » Premium wheel, formulated to prevent wheel breakdown due to sharp metal edges
- » A rigid, thicker wheel with improved grain Specially treated aluminum oxide grain and hard
- » PA24R: Application: Ferrous metals (structural steel, iron, rebar, etc.)
- » Premium performance wheel formulated for longer life in most demanding jobs
- » Treated aluminum oxide

TA24R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
84235	12 × 1/8 × 1	6,360	10	\$7.71
84236	12 × 1/8 × 20mm	6,360	10	\$7.71
84435	14 × 1/8 × 1	5,460	10	\$12.96
84436	14 × 1/8 × 20mm	5,460	10	\$12.96

PA24R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
82234	12 × 1/8 × 1	6,360	10	\$8.38
82133	12 × 1/8 × 20mm	n 6,360	10	\$8.38
82433	14 × 1/8 × 1	5,460	10	\$13.21
82434	14 × 1/8 × 20mm	5,460	10	\$13.21

AC24R

- » Application: Ductile pipe, cast iron, concrete, coated steel, sewer and water mains
- » A combination of aluminum oxide and silicon carbide grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
88233	12 × 1/8 × 1	6,360	10	\$7.77
88133	12 × 1/8 × 20mm	6,360	10	\$7.77
88433	14 × 1/8 × 1	5,460	10	\$12.04
88434	14 × 1/8 × 20mm	5,460	10	\$12.04
88633	16 × 1/8 × 1	4,800	5	\$24.13
88634	16 × 1/8 × 20mm	4,800	5	\$24.13



PC24R

- » Application: Cured concrete, masonry, brick, block and stone
- » Premium wheel with hard bond
- » Silicon carbide grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
82231	12 × 1/8 × 1	6,360	10	\$8.38
82130	12 × 1/8 × 20mm	6,360	10	\$8.38
82430	14 × 1/8 × 1	5,460	10	\$13.21
82431	14 × 1/8 × 20mm	5,460	10	\$13.21



gas or electric portable saw **CUT-OFF WHEELS** TYPE 1

LIGHTNING specifications offer performance at a modest price. Manufactured in the USA, the quality and high-performance in both metal and concrete formulations exceed the performance of lower cost imports yet only cost a fraction more. A real value for the budget minded buyer.

A24R

- » Application: Ferrous metals (structural steel, iron, rebar, etc.)
- » A consistently performing wheel for a variety of cutting applications
- » Aluminum oxide

PART#	DIMENSIONS	MAX RPM	QTY	LIST
84234	12 × 1/8 × 1	6,360	10	\$7.60
84133	12 × 1/8 × 20mm	6,360	10	\$7.60
84433	14 × 1/8 × 1	5,460	10	\$11.88
84434	14 × 1/8 × 20mm	5,460	10	\$11.88
84633	16 × 1/8 × 1	4,800	5	\$23.16
84634	16 × 1/8 × 20mm	4,800	5	\$23.16

C24R, CC20R

- » C24R: Application: Cured concrete, masonry, brick, block and stone
- » One of the most popular wheels for all around cutting of masonry materials
- » Silicon carbide grain
- » CC20R: Application: Asphalt and green
- » Secondary application: Cured concrete and masonry
- » A course silicon carbide grain helps eliminate clogging when cutting off soft materials

C24R

PART#	DIMENSIONS	MAX RPM	QTY	LIST	
80231	12 × 1/8 × 1	6,360	10	\$7.77	
80130	12 × 1/8 × 20mm	6,360	10	\$7.77	
80430	14 × 1/8 × 1	5,460	10	\$12.04	
80431	14 × 1/8 × 20mm	5,460	10	\$12.04	
80630	16 × 1/8 × 1	4,800	5	\$24.13	
80631	16 × 1/8 × 20mm	4,800	5	\$24.13	
CC20R					
PART#	DIMENSIONS	MAX RPM	QTY	LIST	
81231	12 × 1/8 × 1	6,360	10	\$7.77	
81130	12 × 1/8 × 20mm	6,360	10	\$7.77	
81430	14 × 1/8 × 1	5,460	10	\$12.04	

5,460

10 \$12.04

81431 14 × 1/8 × 20mm

COMPETITOR - entry level general purpose cutting wheels for all applications.



- » Application: Ferrous metals (structural steel, iron, rebar, etc.)
- » General purpose cutting wheel
- » Value line

PART#	DIMENSIONS	MAX RPM	QTY	LIST
81433	14 × 5/32 × 1	5,460	10	\$9.11
81434	14 × 5/32 × 20	mm 5,460	10	\$9.11



C24R

- » Main application cured concrete, masonry, brick, block and stone
- » General purpose cutting wheel
- » Value line

PART#	DIMENSIONS	MAX RPM	QTY	LIST
86430	14 × 5/32 × 1	5,460	10	\$9.39
86431	14 × 5/32 × 20mn	n 5.460	10	\$9.39

Specifically manufactured for MAXIMUM PERFORMANCE on a multitude of workplace materials, for ductile iron, masonry, steel, rail and decking applications. Our range of wheels are requested from job site to job site.

Our wheels have been **ENGINEERED** to perform under the toughest operating environments when **CONSISTENCY** and DEPENDABILITY are required.





MAX FORCE rail cutting wheels offer maximum performance on all types of rail using either gas or hydraulic rail saws. Offered in three specifications so operators can job-match the cutting wheel to their specific application and desired performance. These are premium wheels that give the maximum value for your abrasive dollar providing the lowest cost per cut.

ZA24Q, ZA30R, ZA24T

- » Application: Main track, yard track and rail steel
- » High performance wheel formulated for fast cutting. An extended wheel life for rail track cutting
- » Zirconia grain providing long life, fast cutting and less burn.
- » ZA24Q: Ideally suited for greater than 120 pound rail
- » ZA30R: Ideally suited for less than 120 pound rail
- » ZA24T: Specifically designed and formulated for use on hydraulic rail saws

ZA24Q

PART#	DIMENSIONS	MAX RPM	QTY	LIST
85433	14 × 1/8 × 1	5,460	10	\$29.23
85633	16 × 1/8 × 1	4,800	5	\$34.27
ZA30	R			
PART#	DIMENSIONS	MAX RPM	QTY	LIST
85434	14 × 1/8 × 1	5,460	10	\$29.23
85634	16 × 1/8 × 1	4,800	5	\$34.27
ZA24	Т			
PART#	DIMENSIONS	MAX RPM	QTY	LIST
85636	16 × 1/8 × 1	4,800	5	\$34.27

HIGH ENERGY rail cutting specifications are designed to be the most versatile performers on all sizes of rail and machine types. Utilizing a special bond system developed by Bullard engineers, this wheel out-cuts and outlasts competitors whether you are a seasoned operator or a beginner.

A30R

- » Main application main track, yard track, and rail steel
- » High performance wheel formulated for fast cutting
- » An extended wheel life for rail track cutting

PART#	DIMENSIONS	MAX RPM	QTY	LIST
85435	14 × 1/8 × 1	5,460	10	\$14.68
85635	16 × 1/8 × 1	4,800	5	\$18.77

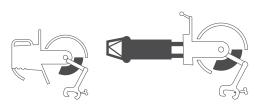
LIGHTNING offers the track maintenance professional good performing rail cutting wheels at the lowest acquisition cost. Clean and fast cutting with good wheel life.

A36T

- » Application: Main track, yard track and rail steel
- » General purpose wheel formulated for railroad track cutting

PART#	DIMENSIONS	MAX RPM	QTY	LIST
85432	14 × 1/8 × 1	5,460	10	\$12.94
85632	16 × 1/8 × 1	4,800	5	\$16.55

Our specialized wheels for RAIL TRACK CUTTING on portable gas and hydraulic saws deliver fast and straight cuts.







MAX FORCE chop saw wheels are designed for operators demanding rapid cutting speed, combined with extended wheel service life. The formulation utilizes zirconia grain, one of the most durable and sharpest abrasive materials available. Max Force chop saw wheels are offered in two thicknesses for application on both low and high horsepower chop saws.



ZA36T

- » Application: Stainless steel and other high tensile alloys
- » Performance minded with increased speed of cut and wheel life
- » Zirconia grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54429	14 × ³ / ₃₂ × 1	4,366	10	\$11.91
54439	$14 \times \frac{7}{64} \times 1$	4,366	10	\$11.91

The **HIGH ENERGY** range includes formulations designed for aluminum, mild steel and stainless where a contaminant-free wheel is desired. Additional formulations for job specific cutting such as drywall studs are available.



TA36T

- » Application: Combination use on high gauge structural steel or metal studs and light gauge
- » Premium performance
- » Combination of various specially treated abrasive grain types

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54023	10 × ³ / ₃₂ × ⁵ / ₈	6,112	10	\$7.84
54223	12 × ³ / ₃₂ × 1	5,092	10	\$7.25
54423	14 × ³ / ₃₂ × 1	4,366	10	\$10.21
54433	$14 \times \frac{7}{64} \times 1$	4,366	10	\$10.21
54623	16 × ³ / ₃₂ × 1	3,820	5	\$14.62



- » Application: Contaminant-free cutting of stainless steel
- » Fast and cool cutting action
- » Free of iron, sulfur and chlorine

54425	$14 \times \frac{3}{32} \times 1$	4,366	10	\$9.56
PART#	DIMENSIONS	MAX RPM	QTY	LIST



A46T

- » Application: Specially formulated for metal studding, light gauge metals and thin wall tubing
- » Fast cut and long life on thinner profile materials such as metal studs and thin channels
- » Harder bond improved wheel life for increased wheel performance

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54021	10 × ³ / ₃₂ × ⁵ / ₈	6,112	10	\$7.73
54221	12 × ³ / ₃₂ × 1	5,092	10	\$7.04
54421	$14 \times \frac{3}{32} \times 1$	4,366	10	\$9.09
54431	$14 \times \frac{7}{64} \times 1$	4,366	10	\$9.70
54621	16 × ³ / ₃₂ × 1	3,820	5	\$13.91



AL36R

- » Application: Non-ferrous metals (aluminum. brass and copper)
- » Fast cutting action with softer bond to prevent loading

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54224	12 × ³ / ₃₂ × 1	5,092	10	\$7.25
54424	$14 \times \frac{3}{32} \times 1$	4,366	10	\$10.21
54434	$14 \times \frac{7}{64} \times 1$	4,366	10	\$10.21

Bullard wheels are EXTERNALLY REINFORCED to provide additional side load strength, safety and unsurpassed performance.



LIGHTNING chop saw wheels are the most versatile wheels and offer great performance on all metals. Lightning wheels are offered in 3/32 and 7/64 thickness so operators can match wheels to the horsepower level of the saw. Using the 7/64 thickness is generally preferred when using saws rated at 5-1/2 horsepower.



A36R

- » Application: Ferrous metals (structural metal, heavy rebar, channel iron, angle iron, etc)
- » Fast cut wheel on thicker profile materials such as angle iron, pipe and rebar
- » A consistently performing wheel for a variety of cutting applications

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54022	10 × ³ / ₃₂ × ⁵ / ₈	6,112	10	\$7.73
54222	12 × ³ / ₃₂ × 1	5,092	10	\$7.04
54422	14 × ³ / ₃₂ × 1	4,366	10	\$9.09
54432	14 × 7/ ₆₄ × 1	4,366	10	\$9.09
54622	16 × ³ / ₃₂ × 1	3,820	5	\$13.91

COMPETITOR entry level performance chop saw wheels are for use on all metals. Competitor chop saw wheels are available as internally reinforced.



A36R, A46T

- » A36R: Application: Ferrous metals (structural metal, heavy rebar, channel iron, angle iron, etc)
- » A36R: Internally reinforced
- » A46T: Application: Specially formulated for metal studding, light gauge metals and thin rebar
- » A46T: Externally reinforced
- » Value lines

A36R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
51422	$14 \times \frac{7}{64} \times 1$	4,366	10	\$6.95

A46T

51421	$14 \times \frac{3}{32} \times 1$	4,366	10	\$6.95
PART#	DIMENSIONS	MAX RPM	QTY	LIST









LIGHTNING stationary cut-off wheels offer quick cutting speeds and good wheel life. Available in several specifications ranging from fast cut to long life, and for materials ranging from bar stock to castings. Bullard also offers a silicon carbide specification for non-ferrous materials.

7 A300, A30R, A30T

- » Application: Ferrous metals (cast iron, bar stock and solid turnings)
- » A300: Fast cut wheel A30R: General purpose wheel A30T: Long life
- » Internally reinforced with flange ply on 14" - 20" diameters

A300

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54131	10 × 1/8 × 1	6,112	10	\$6.74
54231	12 × 1/8 × 1	5,092	10	\$9.53
54441	14 × ⁵ / ₃₂ × 1	4,366	10	\$12.20
54641	16 × 5/32 × 1	3,820	5	\$19.74
55031	20 × 1/8 × 1	2,712	5	\$32.59

A30R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54132	10 × 1/8 × 1	6,112	10	\$6.74
54232	12 × 1/8 × 1	5,092	10	\$9.96
54642	16 × 5/ ₃₂ × 1	3,820	5	\$20.77
55032	20 × 1/8 × 1	2,712	5	\$34.23
55052	20 × ³ / ₁₆ × 1	2,712	5	\$35.11

A30T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
54133	10 × 1/8 × 1	6,112	10	\$6.74
54233	12 × 1/8 × 1	5,092	10	\$9.96
54443	14 × ⁵ / ₃₂ × 1	4,366	10	\$15.88
54643	16 × ⁵ / ₃₂ × 1	3,820	5	\$20.75
55033	20 × 1/8 × 1	2,712	5	\$34.23



C20R

- » Application: Non-ferrous metals, stone, brick and concrete
- » General purpose
- » Internally reinforced with flange ply on 14" - 20" diameters

PART#	DIMENSIONS	MAX RPM	QTY	LIST
71130	10 × 1/8 × 1	6,112	10	\$6.74
72230	12 × 1/8 × 1	5,092	10	\$9.96
70030	14 × ⁵ / ₃₂ × 1	4,366	10	\$15.88
72630	16 × 5/ ₃₂ × 1	3,820	5	\$20.75
72031	20 × 1/8 × 1	2,712	5	\$34.23

These wheels are generally used with higher power machines ranging from five to seven horsepower. Heavy duty fiberglass reinforced for STRENGTH and STABILITY.

CUTTING WHEELS demonstrate

our continuous commitment to developing products that provide the user with faster cutting, longer life and lower cost per cut in most applications.



walk-behind street saw **CUT-OFF WHEELS** TYPE 1



LIGHTNING street saw wheels are conventional cold pressed wheels and offer good performance when contractors require low cost cutting wheels.

C16T, C16R

- » C16T: Application: Green concrete, asphalt and concrete with soft aggregate
- » Silicon carbide grain open bond structure and coarse grain allows this wheel to provide fast and clog resistant cutting
- » C16R: Application: Cured concrete
- » Silicon carbide grain for fast, free cutting of cured concrete with soft to medium hard aggregate
- » For maximum blade performance use 7-1/2 to 20 horsepower saws

C16T

PART#	DIMENSIONS	MAX RPM	QTY	LIST
74450	14 × ³ / ₁₆ × 1 w/	[/] PH 4,366	5	\$14.17
74460	14 × 1/4 × 1 w/1	РН 4,366	5	\$15.69
C16R				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
76450	14 × ³ / ₁₆ × 1 w/	[/] РН 4,366	5	\$14.17
76860	18 × 1/4 × 1 w/i	рн 3.013	5	\$37.42



When diamond wheels are too expensive, use a Bullard street saw wheel to get the job done.

AMERICAN MADE PERFORMANCE and quality you can count on since 1927.







LIGHTNING specifications offer industrial performance at a modest price. Manufactured quality and high performance in both metal and concrete formulations that exceed the performance of lower cost imports, yet only cost a fraction more. A real value for the budget minded buyer.



- » A specially formulated blade to cut both metal and masonry (a handyman special)
- » Harder bond improved wheel life for increased wheel performance
- » Combination aluminum oxide and silicon carbide grain

62731	$7 \times \frac{1}{8} \times \frac{5}{8}$	8.732	10	\$3.30
PART#	DIMENSIONS	MAX RPM	QTY	LIST



- » Application: Ferrous metals (angle iron, rebar, steel and metal tubing)
- » Harder bond improved wheel life for increased wheel performance
- » Aluminum oxide grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
53631	$6 \times \frac{3}{32} \times \frac{5}{8}$	10,186	10	\$3.21
53634	$6\frac{1}{2} \times \frac{3}{32} \times \frac{5}{8}$	9,400	10	\$3.21
53731	$7 \times \frac{3}{32} \times \frac{5}{8}$	8,732	10	\$3.21
53831	$8 \times \frac{3}{32} \times \frac{5}{8}$	7,640	10	\$3.59

Single Wheel Package

PART#	DIMENSIONS	MAX RPM	QTY	LIST
08603	$6 \times \frac{3}{32} \times \frac{5}{8}$	10,186	10	\$4.03
08653	$6\frac{1}{2} \times \frac{3}{32} \times \frac{5}{8}$	9,400	10	\$4.03
08703	$7 \times \frac{3}{32} \times \frac{5}{8}$	8,732	10	\$4.03
08803	$8 \times \frac{3}{32} \times \frac{5}{8}$	7,640	10	\$4.58

C24R

- » Application: Masonry, concrete, brick, stone and soft aggregate
- » Harder bond improved wheel life for increased wheel performance
- » Silicon carbide grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
71631	6 × 1/8 × 5/8	10,186	10	\$3.30
71632	$6\frac{1}{2} \times \frac{1}{8} \times \frac{5}{8}$	9,400	10	\$3.30
71731	7 × 1/8 × 5/8	8,732	10	\$3.30
71831	8 × 1/8 × 5/8	7,640	10	\$3.72
Single W	heel Package			
PART#	DIMENSIONS	MAX RPM	QTY	LIST
07600	6 × ½ × ½	10,186	10	\$4.16
07650	$6\frac{1}{2} \times \frac{1}{8} \times \frac{5}{8}$	9,400	10	\$4.16
07700	$7 \times \frac{1}{8} \times \frac{5}{8}$	8,732	10	\$4.16
07800	8 × 1/8 × 5/8	7,640	10	\$4.75

Note: All arbors feature a diamond knockout.

Whether for the DIY market or the professional contractors, Bullard's circular saw wheels are ENGINEERED TO MEET ALL EXPECTATIONS.

Manufactured for the most demanding jobs, our unique bonding system provides the flexibility and best all-around results.







Our MAX FORCE+ depressed center Type 27 ceramic grinding wheels are top performers. These wheels offer state-of-the-art ceramic grain with self-sharpening strength and durability on every rotation. These wheels are perfect for heavy-duty production applications providing longest life and ease of use - the best workers' wheel!

CER24Q

- » Application: Steel and stainless
- » Contaminant-free (Fe+S+Cl < 0.1%)
- » Top performers-State-of-the-art ceramic grain
- » The workers' wheel perfect for heavy-duty production applications providing longer life and ease of use

PART#	DIMENSIONS	MAX RPM	QTY	LIST
14465	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$11.68
18465	4½ × ¼ × 5/8 -11	13,300	10	\$13.46
14565	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$14.51
18565	5 × ½ × ½ -11	12,200	10	\$16.30
14665	$6 \times \frac{1}{4} \times \frac{7}{8}$	10,200	25	\$18.61
18665	6 × ½ × ½ -11	10,200	10	\$20.48
14765	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$17.38
18765	$7 \times \frac{1}{4} \times \frac{5}{8} - 11$	8,500	10	\$20.02





MAX FORCE grinding wheels aggressively remove steel in the most challenging applications. Whether smoothing flame-cut edges on heavy gauge plate, grinding casting parting lines, removing weld deposits, beveling hard steels, or any grinding operation where heavy stock removal is desired - Max Force wheels do it to perfection. On a "cost per pound" comparison, these wheels give the best "bang for the buck".

ZA24R

- » Application: Stainless steel and high tensile alloys
- » Secondary application ferrous metals (structural steel, iron, welds, etc)
- » Premium grinding wheel made of higher quality zirconia abrasive grain
- » Performance wheel superior stock removal and wheel life versus general purpose grinding wheels

ZA24R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
14463	$4 \times \frac{1}{4} \times \frac{5}{8}$	15,000	25	\$6.30
14467	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$6.49
14468	41/2 × 1/4 × 5/8-11	13,300	10	\$8.07
14567	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$7.84
14568	5 × 1/4 × 5/8-11	12,200	10	\$9.41
14761	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$10.12
18761	7 × 1/4 × 5/8-11	8,500	10	\$12.12
14961	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$13.53
18961	9 × ½ × 5/8-11	6,650	10	\$15.52

ZAI6U

- » Application: gray, cast and ductile irons especially in all foundry applications
- » Secondary application: steel and stainless steel
- » Premium grains and engineered bond assure long life and fast cut

PART#	DIMENSIONS	MAX RPM	QTY	LIST
14764	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$9.11
18764	7 × ½ × 5/8-11	8,500	10	\$11.55
14962	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$14.42
18962	9 × ½ × 5/8-11	6.650	10	\$16.56





HIGH ENERGY Versatile and long-life grinding wheels for almost all ferrous and non-ferrous materials. Three separate High Energy formulations for mild steel, stainless and aluminum all providing rapid grinding action and industry leading wheel life. This formulation is known for its smooth, vibration free operation throughout its life cycle. Achieves good performance on all quality levels of electric and air grinders. Priced lower than the Max Force but still offering extended performance compared to competitors wheels costing up to 20% more.



TA24S

- » Application: Ferrous metal (structural steel, iron, welds, etc)
- » Premium grinding wheel made of higher quality abrasive grain
- » Enhanced wheel life with good stock removal rate

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24473	$4 \times \frac{1}{4} \times \frac{5}{8}$	15,000	25	\$2.69
24477	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$2.88
28477	4½ × ¼ × 5/8-11	13,300	10	\$4.45
24573	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$4.60
28573	5 × 1/4 × 5/8-11	12,200	10	\$6.17
20773	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$5.67
28773	7 × 1/4 × 5/8-11	8,500	10	\$7.66
20973	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$8.48
28973	9 × ½ × 5/8-11	6,650	10	\$10.48

AL36N

- » Application: Non-ferrous metals (aluminum, brass and copper)
- » Special formulation with softer bond to prevent loading
- » Fast stock removal

PART#	DIMENSIONS	MAX RPM	QTY	LIST
23464	4 × ½ × 5/8	15,000	25	\$4.70
24464	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$5.17
28464	$4\frac{1}{2} \times \frac{1}{4} \times \frac{5}{8} - 11$	13,300	10	\$6.75
24564	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$5.65
28564	5 × ½ × 5/8-11	12,200	10	\$7.22
20764	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$6.76
28764	$7 \times \frac{1}{4} \times \frac{5}{8} - 11$	8,500	10	\$8.76
20964	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$9.43
28964	9 × ½ × 5/8-11	6,650	10	\$11.42



A46Q

- » Application: Stainless steel and high tensile alloys.
- » Contaminant-free
- » Smoother and faster cutting
- » Prevents discoloration, overheating and glazing

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24461	4½ × ¼ × 1/8	13,300	25	\$3.19
28461	4½ × ¼ × 5/8-11	13,300	10	\$4.77
24561	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$4.79
28561	5 × 1/4 × 5/8-11	12,200	10	\$6.36
27761	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$5.46
27768	7 × ½ × 5/8-11	8,500	10	\$7.45
27961	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$7.77
27968	9 × ½ × 5/8-11	6,650	10	\$9.77

INDUSTRY LEADING GRINDING WHEELS

formulated to deliver the highest productivity, performance and safety that today's technology can provide using only the finest quality grain, bond and fiberglass reinforcement to perform with minimal vibration and maximum comfort.





Bullard's **LIGHTNING** grinding wheels are a general purpose formulation with "attitude". Don't be mistaken, this is a serious workhorse that gives a great blend of material removal and wheel life. Lightning wheels are a good choice for applications where versatility of material type and fast removal rate are important to the operator.



A24N, A24R

- » Application: Ferrous metals (structural steel, iron, welds, etc.)
- » A24N: Softer bond improved grinding time and reduced operator fatigue
- » Fast stock removal
- » A24R: Harder bond improved wheel life for increased wheel performance
- » Great for beveling or grinding rough surfaces

A24N

PART#	DIMENSIONS	MAX RPM	QTY	LIST
23367	$3 \times \frac{1}{4} \times \frac{3}{8}$	19,000	25	\$2.60
23467	$4 \times \frac{1}{4} \times \frac{3}{8}$	15,000	25	\$2.60
24453	$4 \times \frac{3}{16} \times \frac{5}{8}$	15,000	25	\$2.25
24463	$4 \times \frac{1}{4} \times \frac{5}{8}$	15,000	25	\$2.25
24457	$4\frac{1}{2} \times \frac{3}{16} \times \frac{7}{8}$	13,300	25	\$2.38
24467	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$2.38
28467	4½ × ¼ × 5/8-11	13,300	10	\$3.95
24563	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$3.82
28563	5 × ½ × 5/8-11	12,200	10	\$5.40
24663	$6 \times \frac{1}{4} \times \frac{7}{8}$	10,200	25	\$4.26
28663	6 × ½ × 5/8-11	10,200	10	\$5.84
20761	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$4.52
20768	$7 \times \frac{1}{4} \times \frac{5}{8} - 11$	8,500	10	\$6.51
20961	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$6.32
20968	9 × ½ × 5/8-11	6,650	10	\$8.31

A24R

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24469	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$2.38
28469	4½ × ¼ × 5/8-11	13,300	10	\$3.95
24569	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$3.82
28569	5 × 1/4 × 5/8-11	12,200	10	\$5.40
24669	$6 \times \frac{1}{4} \times \frac{7}{8}$	10,200	25	\$4.26
28669	6 × ½ × 5/8-11	10,200	10	\$5.84
20769	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$4.51
28769	$7 \times \frac{1}{4} \times \frac{5}{8} - 11$	8,500	10	\$6.51
20969	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$6.32
28969	9 × 1/4 × 5/8-11	6,650	10	\$8.31



C24R

- » Application: Concrete, masonry and stone, etc
- » Secondary application: Non-ferrous metals (aluminum, brass and copper)
- » Harder bond improved wheel life for increased wheel performance
- » Silicon carbide grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24460	4 × 1/4 × 5/8	15,000	25	\$2.31
24466	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$2.52
28466	4½ × ¼ × 5/8-11	13,300	10	\$4.10
24566	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$3.86
28566	5 × 1/4 × 5/8-11	12,200	10	\$5.44
20766	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$4.87
26768	7 × 1/4 × 5/8-11	8,500	10	\$6.87
20966	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$6.63
26968	9 × ½ × 5/8-11	6,650	10	\$8.63

Whether you're BEVELING or EDGE GRINDING, our wheels will provide outstanding stock removal and high cost efficiency.





COMPETITOR grinding wheels are the solution when actual "wheel cost" is the most important factor. A general purpose wheel that gives good performance compared to low-end imports.



- » Application: Ferrous metal (structural steel, iron, welds, etc)
- » General purpose fast cutting
- » Value line

PART#	DIMENSIONS	MAX RPM	QTY	LIST
21462	$4 \times \frac{1}{4} \times \frac{3}{8}$	15,000	25	\$1.55
21463	$4 \times \frac{1}{4} \times \frac{5}{8}$	15,000	25	\$1.55
21467	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$1.80
21468	$4\frac{1}{2} \times \frac{1}{4} \times \frac{5}{8} - 11$	13,300	10	\$3.38
21569	$5 \times \frac{1}{4} \times \frac{7}{8}$	12,200	25	\$2.42
21761	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$3.09
21768	$7 \times \frac{1}{4} \times \frac{5}{8} - 11$	8,500	10	\$5.08
21961	$9 \times \frac{1}{4} \times \frac{7}{8}$	6,650	25	\$5.67
21968	9 × ½ × 5/8-11	6,650	10	\$7.66

ZA24R

- » Application: Stainless steel and high tensile alloys
- » Secondary application: Ferrous metals (structural steel, iron, welds, etc)
- » Zirconia grain for enhanced cutting action and wheel life
- » Value line

PART#	DIMENSIONS	MAX RPM	QTY	LIST
11463	$4 \times \frac{1}{4} \times \frac{5}{8}$	15,000	25	\$3.28
11467	$4\frac{1}{2} \times \frac{1}{4} \times \frac{7}{8}$	13,300	25	\$4.54
11468	$4\frac{1}{2} \times \frac{1}{4} \times \frac{5}{8} - 11$	13,300	10	\$6.11
11761	$7 \times \frac{1}{4} \times \frac{7}{8}$	8,500	25	\$5.82
11768	7 × 1/4 × 5/8-11	8,500	10	\$7.81

 $^{7}\!\!/\!\!s"$ arbor hole can be converted to $^{5}\!\!/\!\!s"$ -11 with adaptor kit CP50 - PART# 97500









- » Application: Stainless steel, high tensile alloys
- » Best performer for root pass grinding in the oil and gas pipeline industry
- » Specifically designed for light grinding and cutting for the pipeline industry
- » Best performing wheel made of premium quality ceramic abrasive grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
14435	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$10.86
18435	4½ × ½ × 5/8-11	13,300	10	\$12.54
14535	$5 \times \frac{1}{8} \times \frac{7}{8}$	12,200	25	\$12.39
18535	5 × 1/8 × 5/8-11	12,200	10	\$14.09
14635	$6 \times \frac{1}{8} \times \frac{7}{8}$	10,200	25	\$18.39
18635	6 × 1/8 × 5/8-11	10,200	10	\$20.18
14735	$7 \times \frac{1}{8} \times \frac{7}{8}$	8,500	25	\$16.74
18735	$7 \times \frac{1}{8} \times \frac{5}{8} - 11$	8,500	10	\$19.71

Combination light grinding and cutoff depressed center wheels provide **VERSATILITY** to perform cutting and burr removal or profiling of the work piece with a single wheel.

MAX FORCE The professional's choice for major pipe welding applications. One wheel does it all - bevel, root pass, and finish. This is a rugged wheel that maintains a nicely profiled outer edge for consistent grinding of weld bead between pipe sections. Great operator control with smooth cutting action is the result of the exceptional wheel balance achieved through our intense quality control.



ZA30S

- » Application: Stainless steel, high tensile alloys
- » Premium performer for root pass grinding in the oil and gas pipeline industry
- » Specifically designed for light grinding and cutting for the pipeline industry
- » Premium wheel made of higher quality zirconia abrasive grain
- » Harder bond improved wheel life for increased wheel performance

ZA30S

PART#	DIMENSIONS	MAX RPM	QTY	LIST
14443	4 × ½ × ½	15,000	25	\$5.82
14447	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$6.01
14448	41/2 × 1/8 × 5/8-11	13,300	10	\$7.58
14547	$5 \times \frac{1}{8} \times \frac{7}{8}$	12,200	25	\$7.35
14548	5 × 1/8 × 5/8-11	12,200	10	\$8.92
14647	$6 \times \frac{1}{8} \times \frac{7}{8}$	10,200	25	\$9.30
14648	6 × 1/8 × 5/8-11	10,200	10	\$10.88
14747	$7 \times \frac{1}{8} \times \frac{7}{8}$	8,500	25	\$9.55
14748	7 × 1/8 × 5/8-11	8,500	10	\$11.55
14947	9 × ½ × ½	6,650	25	\$13.04
14948	9 × 1/8 × 5/8-11	6,650	10	\$15.04

THE BENEFITS of a thin cut-off wheel married with the light grinding capabilities of 1/8" or 3/16" depressed center wheels saves labor and material cost, plus it is safe to use.



HIGH ENERGY When you need versatility to cut and grind on various types of materials, the Bullard HIGH ENERGY TA30S wheels are a great option. This "go anywhere, do anything" formulation tackles any job quickly with good life expectancy. Well suited for all fabrication applications involving mild steel.



TA30S

- » Application: Ferrous metal (structural steel, iron, welds, etc)
- » Premium performer for root pass grinding in the oil and gas pipeline industry
- » Specifically designed for light grinding and cutting for the pipeline industry
- » Premium wheel made of higher quality abrasive grain
- » Enhanced wheel life with good stock removal rate

PART#	DIMENSIONS	MAX RPM	QTY	LIST
27437	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.84
27438	4½ × ½ × 5/8-11	13,300	10	\$4.41
27737	$7 \times \frac{1}{8} \times \frac{7}{8}$	8,500	25	\$6.67
27738	7 × 1/8 × 5/8-11	8,500	10	\$8.67
27937	9 × ½ × ½	6,650	25	\$7.94
27938	9 × 1/8 × 5/8-11	6,650	10	\$9.93



LIGHTNING pipeline, light grinding and cutting wheels provide great value for applications where "wheel cost" is a primary concern. Made of aluminum oxide, these wheels work well on nearly all metals and give performance equal or better than the top-tier products offered by other companies. This is a great value for your abrasive dollar.



A30R

- » Application: Ferrous metal (structural steel, iron, welds, etc.)
- » General performer for root pass grinding in the oil and gas pipeline industry
- » Specifically designed for light grinding and cutting for the pipeline industry
- » Harder bond improved wheel life for increased wheel performance

PART#	DIMENSIONS	MAX RPM	QTY	LIST
24433	4 × ½ × ½	15,000	25	\$2.25
24437	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.38
24438	4½ × ½ × 5/8-11	13,300	10	\$3.95
24533	$5 \times \frac{1}{8} \times \frac{7}{8}$	12,200	25	\$3.72
24538	5 × 1/8 × 5/8-11	12,200	10	\$5.29
24633	$6 \times \frac{1}{8} \times \frac{7}{8}$	10,200	25	\$4.26
24638	6 × 1/8 × 5/8-11	10,200	10	\$5.84
20731	$7 \times \frac{1}{8} \times \frac{7}{8}$	8,500	25	\$4.52
20738	7 × 1/8 × 5/8-11	8,500	10	\$6.51
20931	9 × ½ × ½	6,650	25	\$6.01
20938	9 × 1/8 × 5/8-11	6,650	10	\$8.00

COMPETITOR are entry level general purpose pipeline, light grinding and cutting wheels suitable for all applications.



/ A30R

- » Application: Ferrous metal (structural steel, iron, welds, etc.)
- » General purpose wheel
- Value line

PART#	DIMENSIONS	MAX RPM	QTY	LIST
21433	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$1.37
21437	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$1.70
21438	4½ × ½ × 5/8-11	13,300	10	\$3.27
21533	$5 \times \frac{1}{8} \times \frac{7}{8}$	12,200	25	\$2.35
21731	$7 \times \frac{1}{8} \times \frac{7}{8}$	8,500	25	\$2.87
21738	7 × 1/8 × 5/8-11	8,500	10	\$4.87





HIGH ENERGY blending, deburring and grinding wheels combine the benefits of flap discs and grinding wheels in a single product. Used with the FlexLite backing pad, these discs efficiently remove weld or profile material and when used at a reduced angle, act as a finishing tool similar to the performance of a flap disc. High Energy blending, grinding and deburring discs are offered in three unique formulations so the operator can tailor performance to their specific job.



- » Application: Ferrous metals (steel, iron, welds, etc)
- » Used for grinding, blending, polishing and de-
- » Allows you to put more grinding surface to the job, resulting in faster stock removal and a smoother finish
- » The smoother finish will avoid operator fatigue due to heavy vibration

PART#

DIMENSIONS

31412 4 × 1/8 × 5/8

36 Grit				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
31436	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$2.44
31636	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.81
40 Grit				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
31446	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$2.44
31646	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.81
60 Grit				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
31460	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$2.44
31660	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.81
80 Grit				
PART#	DIMENSIONS	MAX RPM	QTY	LIST
31480	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$2.44

MAX RPM

15,000

LIST

\$2.44

QTY

25

WA

- » Application: Stainless steel, high tensile alloys
- » Used for grinding, blending, polishing and de-scaling
- » Allows you to put more grinding surface to the job, resulting in faster stock removal and a smoother finish
- » The smoother finish will avoid operator fatigue due to heavy vibration

36 Grit

PART#	DIMENSIONS	MAX RPM	QTY	LIST
33436	4 × ½ × ½	15,000	25	\$2.44
33636	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13,300	25	\$2.81

80 Grit

PART-	#	DIMENSI	ONS	MAX R	РМ	QTY	LIS	ST
3348	0 4	× 1/8 × 5	/ /8	15,00	00	25	\$2.	.44
3368	0 4	1/2 × 1/8 >	< ⁷ / ₈	13,30	00	25	\$2.	.81









- » Application: Non-ferrous metals (aluminum, brass, copper and stone)
- » Used for grinding, blending, polishing and descaling
- » Allows you to put more grinding surface to the job, resulting in faster stock removal and a smoother finish
- » The smoother finish will avoid operator fatigue due to heavy vibration

36 Grit

PART#	DIMENSIONS	MAX RPM	QTY	LIST
32436	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$2.56
32636	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13.300	25	\$3.05

80 Grit

PART#	DIMENSIONS	MAX RPM	QTY	LIST
32480	$4 \times \frac{1}{8} \times \frac{5}{8}$	15,000	25	\$2.56
32680	$4\frac{1}{2} \times \frac{1}{8} \times \frac{7}{8}$	13.300	25	\$3.05

Each 25-pack comes with a backing pad.

flexlite BACKING PADS

PART#	DIMENSIONS	QTY	LIST
31400	4	1	\$1.22
31600	41/2	1	\$1.30

DOUBLE REINFORCED

for light grinding, blending and polishing with right angle grinders.

ADDED FLEXIBILITY allows you to put more wheel surface on the job, resulting in faster stock removal and smoother finishes.







Our LIGHTNING grinding wheels are a general purpose formulation with "attitude". Don't be mistaken, this is a serious work horse that gives a great blend of material removal and wheel life. Made to exacting standards so you can expect consistent performance from every wheel you buy. Lightning wheels are a good choice for applications where versatility of material type and fast removal rate are important to the operator. Lightning wheels have the added benefit of a slightly lower acquisition cost compared to the high performance Max Force and High Energy products.

A24R

- » Application: Ferrous metals (structural steel, iron, welds, etc.)
- » Harder bond improved wheel life for increased wheel performance
- » Great for beveling or grinding rough surfaces

PART#	DIMENSIONS	MAX RPM	QTY	LIST
28767	$7 \times \frac{1}{4} \times \frac{5}{8} - 11$	8,500	10	\$7.24
28967	$9 \times \frac{1}{4} \times \frac{5}{8} - 11$	6.650	10	\$10.14

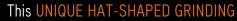
C24R

- » Application: Concrete, masonry and stone, etc
- » Secondary application non-ferrous metals (aluminum, brass, copper)
- » Harder bond improved wheel life for increased wheel performance
- » Silicon carbide grain

PART#	DIMENSIONS	MAX RPM	QTY	LIST
28766	7 × ½ × 5/8-11	8,500	10	\$7.24
28966	9 × ½ × 5/8-11	6,650	10	\$10.14

designed to perform at a 10 to 15 degree

angle, avoiding the operator fatigue one might experience when grinding with a Type 27.



WHEEL delivers more abrasive grain to the work surface to ensure maximum material removal.











surfaces be warned...

Surfaces be warned...



RapidGRIND TO CERAMIC HYBRID GRINDING DISC

FEATURES AND BENEFITS

- » State-of-the-Art Ceramic Grain = Rapid material removal and cool grinding for improved productivity
- » Modified Type 29M Shape = More comfortable working angle designed to enhance surface work area and increase disc life
- » Superior Ergonomic Design = Unparalleled Productivity - Up to 50% reduction in process time with increased safety
- » Vibration-Free Performance = Reduction of noise, dust and operator fatigue
- » User-Friendly =
 Rugged yet lightweight construction
- » No Back-Up Pad Required = Quickly mounts to angle grinder and reduces setup time
- » Safe = Exceeds ANSI B7.1 and International Safety Standards

FASTEST METAL GRINDING TOOL IN THE INDUSTRY

100% MORE AGGRESSIVE

Unique product design which combines the toughness of a grinding wheel and the rapid material removal of a resin fibre disc. Superior ergonomic modified Type 29M angle design provides greater disc contact area on the work surface than the competitors providing the best solution when safety, speed and material removal are your primary goals.

70% LIGHTER

Reduced vibration through lightweight construction allows for an enhanced grinding experience and less operator fatigue.

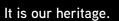
MAX FORCE+ discs utilize the latest ceramic abrasive technology for maximum service life with cool and rapid material removal. RapidGRIND™ discs represent the pinnacle of performance and value in product applications.



The next generation of our **FASTBACK**™ family...

UNMATCHED PERFORMANCE







The original **FASTBACK**™ was a bonded product that was first invented and introduced by George H. Bullard and his son Robert back in the early 1960s. Following in the footsteps of our past leadership, we carry on the heritage as we introduce the new, modified Type 29 *RapidGRIND*™.







- » Application: Stainless steel and carbon steel
- » Weld bead removal
- » Surface grinding
- » Edge grinding and deburring
- » Chamfering and beveling
- » Flame-cut steel removal
- » State-of-the-art ceramic grain

36 Grit

PART#	DIMENSIONS	MAX RPM	QTY	LIST
30423	$4\frac{1}{2} \times \frac{7}{8}$	13,300	25	\$6.95
30433	$4\frac{1}{2} \times \frac{5}{8} - 11$	13,300	10	\$8.74
30523	5 × ⁷ / ₈	12,200	25	\$7.79
30533	5 × 5/8-11	12,200	10	\$9.58
30623	$6 \times \frac{7}{8}$	10,200	25	\$9.44
30633	6 × ⁵ /8-11	10,200	10	\$12.72
30723	$7 \times \frac{7}{8}$	8,500	25	\$11.96
30733	7 × ⁵ /8-11	8,500	10	\$15.80

50 Grit

PART#	DIMENSIONS	MAX RPM	QTY	LIST
30425	$4\frac{1}{2} \times \frac{7}{8}$	13,300	25	\$6.66
30435	$4\frac{1}{2} \times \frac{5}{8} - 11$	13,300	10	\$8.44
30525	$5 \times \frac{7}{8}$	12,200	25	\$7.52
30535	5 × ½-11	12,200	10	\$9.30
30625	6 × ⁷ / ₈	10,200	25	\$8.56
30635	6 × ⁵ / ₈ -11	10,200	10	\$11.76
30725	$7 \times \frac{7}{8}$	8,500	25	\$9.88
30735	7 × ⁵ / ₈ -11	8.500	10	\$13.72

Note: See flange adaptor sold separately for all 7/8" wheels

FLANGE ADAPTOR

- » Reusable, Rugged, All Steel Construction
- » Allows for flat angle grinding with little or no interference of the spindle for enlarged surface contact area
- Versatile: To be used on 7/8" arbor holes with 4-1/2" through 7" angle grinders with 5/8"-11 spindles to quickly mount grinding and thin cutting wheels (Type 1 and/or Type 27)
- » Efficient: Unique flange adaptor allows flat angle grinding utilizing the complete disc surface to get your money's worth

97503	$4\frac{1}{2} \times \frac{7}{8}$	1	\$25.01
PART#	DIMENSIONS	QTY	LIST











Performs like nothing else

NON-LOADING FLAP DISCS



ZIRCONIA RESIN FIBRE DISC

Our Non-Loading flap discs are specifically designed with a net abrasive structure that ensures high performance cut rate and stock removal with extreme long life compared to conventional abrasives. In addition to aluminum, our Non-Loading Flap Discs are ideal for all composite materials such as carbon fiber and plastics as well as, all other nonferrous metals (titanium, magnesium, copper, zinc and lead).

Flap discs have been the fastest growing abrasives category in metal fabrication and aluminum is one of the key engineering materials of our time. The modern construction, automotive, aviation, technology, energy and food industries would not be possible without aluminum. It has become a symbol of progress In our quest to provide the best possible solutions to the market, our answer is Bullard's Non-Loading Flap Discs ALU40 and ALU60.

Check out our NON-LOADING Flap Disc \
www.bultardabrasives.com/media



NON-LOADING FLAP DISCS

GRINDING + FINISHING

When it comes to grinding and finishing, our Non-Loading Flap Discs are performing like nothing else!

Suited for a broad variety of sanding applications, it was originally especially developed for the wood industry as it resists clogging on resinous wood types or soft materials. Suitable materials include: hardwood, MDF/HDF, paint removal and/or stripping, primer, soft wood and veneer.

No other abrasive can match the speed and stability of removal while keeping the temperature of the work surface low.

- Non-Loading
- Saves time
- Saves money
- Practical
- Lightweight
- Durable

The surface stays cooler and avoids burning due to the net structure that resists clogging on soft materials! Welders and fabricators perform grinding on aluminum for many reasons, whether it is pre-weld surface preparation or postweld bead removal and/or finishing. Compared to other metals, aluminum has a much lower melting temperature, so it melts easily. Our NON-LOADING FLAP DISCS are your solution.

MAX FORCE Bullard's non-loading flap disc cloth is layered providing a cushioned substrate that results in high, heavy stock removal rates and surface blending action. Manufactured from tough aluminum oxide grain, our specially engineered net abrasive is suited for aluminum and all non-ferrous metals including copper and brass.

ALU40

40 Grit

PART#	DIMENSIONS	MAX RPM	QTY	LIST
34284	$4\frac{1}{2} \times \frac{7}{8}$	13,300	10	\$5.61
35284	$4\frac{1}{2} \times \frac{5}{8} - 11$	13,300	10	\$7.95

ALU60

60 Grit

PART#	DIMENSIONS	MAX RPM	QTY	LIST
34286	$4\frac{1}{2} \times \frac{7}{8}$	13,300	10	\$5.61
35286	$4\frac{1}{2} \times \frac{5}{8} - 11$	13,300	10	\$7.95

APPLICATIONS:

- Aluminum
- Composite
- Carbon Fiber
- Plastic
- Wood
- Titanium
- Magnesium
- Copper
- Zinc
- Lead

INDUSTRIES:

- Ship Building
- Automotive
- Aviation
- Metal Fabrication
- Construction
- Energy
- Food
- Technology
- Woodworking



NON-LOADING - Heavy Stock Removal & Surface Blending

QUICK-CHANGE MINI FLAP DISCS

The design of the mini flap discs incorporates the features and benefits of the large diameter version. A series of premium alumina zirconia coated abrasive cloth flaps are mounted on a firm backing in a fan-like arrangement. As the flaps wear during use, a continual supply of new grain is exposed from the under layers.

THE MARVEL ADVANTAGE:

- » Made with high-performance alumina zirconia grain
- » Long service life vs. conventional clothbacked discs
- » Assemble fast and easy to quick-change holder pads
- » One-step grind and finish reduces down time and finishing costs
- » Wide range of uses include deburring, edge grinding and removal of rust, coatings and parting lines
- » Can be used on multiple materials such as stainless steel, mild steel and aluminum

Applications:

- » Deburring
- » Snagging
- » Rough and medium grinding of welded seams in one operation
- » Edge grinding
- » Rust removal
- » Working of fillet welds
- » Beveling

Alumina Zirconia TYPE R

PART#	SIZE	GRIT	QTY	LIST
150020	2	40	10	\$4.38
150030	2	60	10	\$4.38
150035	2	80	10	\$4.38
150040	2	120	10	\$4.38
PART#	SIZE	GRIT	QTY	LIST
PART# 151020	SIZE 3	GRIT 40	QTY 10	\$5.26
151020	3	40	10	\$5.26

Alumina Zirconia TYPE S

PART#	SIZE	GRIT	QTY	LIST
152020	2	40	10	\$5.41
152030	2	60	10	\$5.41
152035	2	80	10	\$5.41
152040	2	120	10	\$5.41
PART#	SIZE	GRIT	QTY	LIST
PART# 153020	SIZE 3	GRIT 40	QTY 10	\$5.26
153020	3	40	10	\$5.26

MANDREL REUSABLE

PART#	ITEM	QTY	LIST
385106	Mandrel	1	\$5.65

Note: Type R discs use conventional quick-change holder pads. See Page 79.

While flap discs perform best on STAINLESS STEEL, their VERSATILITY allows them to work effectively on other materials such as CARBON STEEL, ALUMINUM, WOOD and PLASTIC.



Application Medium grinding and finishing in one step60

Light grinding with more emphasis on finishing......80 Extra fine surface finishing120





SHANK MOUNTED FLAP WHEELS

Flap Wheels are among the most broadly used, all-purpose abrasive products available. These polishing/finishing wheels are composed of hundreds of tightly, evenly packed abrasive cloth flaps. It's easy to select the size and grade that's right for your application.

THE MARVEL ADVANTAGE:

- » Flexing characteristics of flaps make this product readily adaptable to contoured and irregular surfaces
- » Reduces potential for flattening and gouging on the work piece surface
- » Abrasive function permits professional results by inexperienced operators
- » Flaps are easily shaped to accommodate specific contours by simply running the wheel in reverse and dressing with a sharp file or abrasive stone
- » Deliver a uniform, consistent finish throughout their life
- » For use on high speed portable drills, die grinders and flexible shaft tools

1/4" Plain Mandrel

PART#	SIZE	GRIT	QTY	LIST
351102	1 x ⅓	60	10	\$3.75
351101	1 x 5/8	80	10	\$3.75
351100	1 x 5/8	120	10	\$3.75
11				
PART#	SIZE	GRIT	QTY	LIST
351109	1 x 1	60	10	\$3.83
351108	1 x 1	80	10	\$3.83
351107	1 x 1	120	10	\$3.83
351106	1 x 1	180	10	\$3.83
351105	1 x 1	240	10	\$3.83
PART#	SIZE	GRIT	QTY	LIST
351113	1½ x ½	60	10	\$3.86
351112	1½ x ½	80	10	\$3.86
351111	1½ x ½	120	10	\$3.86
//				
PART#	SIZE	GRIT	QTY	LIST
351121	1½ x 1	60	10	\$4.33
351120	1½ x 1	80	10	\$4.33
351119	1½ x 1	120	10	\$4.33

PART#	SIZE	GRIT	QTY	LIST
351125	2 x ½	60	10	\$4.89
351124	2 x ½	80	10	\$4.89
351123	2 x ½	120	10	\$4.89
PART#	SIZE	GRIT	QTY	LIST
351137	2 x 1	60	10	\$5.34
351136	2 x 1	80	10	\$5.34
351135	2 x 1	120	10	\$5.34
351134	2 x 1	180	10	\$5.34
351133	2 x 1	240	10	\$5.34
PART#	SIZE	GRIT	QTY	LIST
351145	2½ x 1	60	10	\$7.23
351144	2½ x 1	80	10	\$7.23
351143	2½ x 1	120	10	\$7.23
PART#	SIZE	GRIT	QTY	LIST
351162	3 x 1	60	10	\$7.45
351161	3 x 1	80	10	\$7.45
351160	3 x 1	120	10	\$7.45
351159	3 x 1	180	10	\$7.45



IVIZZZ IXI IVI I	VALINGS.
1" diameter	30,000
1-1/2" diameter	30,000
2" diameter	25,000
2-1/2" diameter	23,000
diameter	20,000



FLAP WHEELS





SHANK MOUNTED

1/4" - 20 Threaded Mandrel

PART#	SIZE	GRIT	QTY	LIST
352101	1 x 5/8	80	10	\$3.47
352100	1 x 1/8	120	10	\$3.47
PART#	SIZE	GRIT	QTY	LIST
352105	1 x 1	60	10	\$3.52
352104	1 x 1	80	10	\$3.52
352103	1 x 1	120	10	\$3.52
PART#	SIZE	GRIT	QTY	LIST
352120	1½ x 1	60	10	\$3.94
352119	1½ x 1	80	10	\$3.94
352118	1½ x 1	120	10	\$3.94

FLAP WHEEL ARBOR ADAPTERS

PART#	DESCRIPTION	QTY	LIST
401101	1/4 - 20 Threaded Shank	10	\$3.12
401102	½ I.D. Bushings	1 Pair	\$2.08
401103	5/8 I.D. Bushings	1 Pair	\$2.08
401104	3/4 ID Ruchings	1 Pair	\$2.08

SHANK MOUNTED

1/4" - 20 Threaded Mandrel

PART#	SIZE	GRIT	QTY	LIST
352123	2 x ½	60	10	\$4.62
352122	2 x ½	80	10	\$4.62
352121	2 x ½	120	10	\$4.62
PART#	SIZE	GRIT	QTY	LIST
352109	2 x 1	60	10	\$4.83
352108	2 x 1	80	10	\$4.83
352107	2 x 1	120	10	\$4.83
PART#	SIZE	GRIT	QTY	LIST
PART# 352126	SIZE 2½ x 1	GRIT 60	10	\$6.48
352126	2½ x 1	60	10	\$6.48
352126 352125	2½ x 1 2½ x 1	60 80	10 10	\$6.48 \$6.48
352126 352125 352124	2½ x 1 2½ x 1 2½ x 1	60 80 120	10 10 10	\$6.48 \$6.48 \$6.48
352126 352125 352124 PART#	2½ x 1 2½ x 1 2½ x 1 SIZE	60 80 120 GRIT	10 10 10 QTY	\$6.48 \$6.48 \$6.48 LIST
352126 352125 352124 PART# 352113	2½ x 1 2½ x 1 2½ x 1 SIZE 3 x 1	60 80 120 GRIT 60	10 10 10 QTY 10	\$6.48 \$6.48 \$6.48 LIST \$6.91

UNMOUNTED

Plain Arbor

PART#	SIZE	GRIT	QTY	LIST
353103	6 x 1 x 1	60	5	\$25.62
353102	6 x 1 x 1	80	5	\$27.01
353101	6 x 1 x 1	120	5	\$29.29
PART#	SIZE	GRIT	QTY	LIST
353107	6 x 2 x 1	60	5	\$42.70
353106	6 x 2 x 1	80	5	\$45.11
353105	6 x 2 x 1	120	5	\$49.02
PART#	SIZE	GRIT	QTY	LIST
PART# 353115	SIZE 8 x 1 x 1	GRIT 60	QTY 3	LIST \$39.39
353115	8 x 1 x 1	60	3	\$39.39
353115 353114	8 x 1 x 1 8 x 1 x 1	60 80	3	\$39.39 \$42.39
353115 353114 353113	8 x 1 x 1 8 x 1 x 1 8 x 1 x 1	60 80 120	3 3 3	\$39.39 \$42.39 \$46.40
353115 353114 353113 PART#	8 x 1 x 1 8 x 1 x 1 8 x 1 x 1	60 80 120 GRIT	3 3 3 QTY	\$39.39 \$42.39 \$46.40 LIST













RESIN FIBRE DISCS

One of the most popular coated abrasive products used in the industry. Constructed with a heavyduty vulcanized fibre backing with resin-bonded, electrostatically-coated grain, these durable discs are designed to handle the most challenging of all metalworking applications. We manufacture an extensive offering of application-specific resin fibre discs, ranging from general purpose aluminum oxide to high-performance ceramic so you can select the option that is best suited for your particular needs.

RESIN FIBRE DISC SAFETY:

- » Always mount on a like-sized back-up pad, with a maximum 1/4" disc overhang from the outer edge of the back-up pad, including the shortest radius of irregular and non-circular-shaped discs
- » Secure to a pad and tool in such a manner that is self-tightening during use
- » Do not mount or stack discs in multiple units during use

THE MARVEL ADVANTAGE:

- » All discs are individually coated, assuring consistent grain dispersion to the all-important outermost edge of the disc
- » Electrostatic coating process orients each grain into the sharpest cutting position to maximize cutting performance
- » Each disc is mechanically flexed to a specific shape to promote the best assembly relationship when mounting to a back-up pad
- » Product range includes four levels of graduating performance so you can select the disc that best suits your performance and economic preferences

IN THE KNOW... What is "Super-size"?

Super-size is a third, soft resin coating that is infused with grinding aids that break down gradually during use to cool and lubricate the disc. Discs with a super-size are recommended for applications involving heat-sensitive materials like stainless steel and Inconcel®, when heat generation and surface burning are concerns.





Our MAX FORCE+ resin fibre discs are made with high concentrations of premium ceramic grain and will deliver the very best disc performance and value for the particular category. As a general rule, the end user can expect faster rates-of-cut and extended service life from MAX FORCE+ rated products.

PREMIUM CERAMIC SUPER-SIZED

- » Designed for high-performance grinding on stainless steel and heat sensitive alloys
- » Provides greater rate-of-cut and enhanced productivity versus our SGLP disc
- » Super-size coating lubricates and promotes cool-cutting







PART#	DIMENSIONS	GRIT	QTY	LIST
S117410	$4\frac{1}{2} \times \frac{7}{8}$	24	25	\$3.06
S117415	$4\frac{1}{2} \times \frac{7}{8}$	36	25	\$2.73
S117420	$4\frac{1}{2} \times \frac{7}{8}$	50	25	\$2.16
S117425	$4\frac{1}{2} \times \frac{7}{8}$	60	25	\$2.03
S117430	$4\frac{1}{2} \times \frac{7}{8}$	80	25	\$1.92
PART#	DIMENSIONS	GRIT	QTY	LIST
S127410	4½ × 5/8-11	24	25	\$3.26
S127415	4½ × 5/8-11	36	25	\$2.99
S127420	4½ × 5/8-11	50	25	\$2.69
S127425	4½ × 5/8-11	60	25	\$2.55
S127430	4½ × 5/8-11	80	25	\$2.45
PART#	DIMENSIONS	GRIT	QTY	LIST
S117510	5 × 7/8	24	25	\$3.40
S117515	5 × 7/8	36	25	\$3.06
S117520	5 × 7/8	50	25	\$2.42
S117525	5 × 7/8	60	25	\$2.26
S117530	5 × 1/8	80	25	\$2.13
PART#	DIMENSIONS	GRIT	QTY	LIST
S127510	5 × 5/8-11	24	25	\$3.65
S127515	5 × 5/8-11	36	25	\$3.32
S127520	5 × 5/8-11	50	25	\$2.94
S127525	5 × 5/8-11	60	25	\$2.78
S127530	5 × 5/8-11	80	25	\$2.66
PART#	DIMENSIONS	GRIT	QTY	LIST
S117710	7.			
3111110	7 × ⁷ /8	24	25	\$6.83
S117715	$7 \times \frac{7}{8}$	24 36	25 25	\$6.83 \$6.00
S117715	7 × ⁷ / ₈	36	25	\$6.00
S117715 S117720	7 × ⁷ / ₈ 7 × ⁷ / ₈	36 50	25 25	\$6.00 \$4.81
S117715 S117720 S117725	7 × 7/8 7 × 7/8 7 × 7/8	36 50 60	25 25 25	\$6.00 \$4.81 \$4.03
S117715 S117720 S117725	7 × 7/8 7 × 7/8 7 × 7/8	36 50 60	25 25 25	\$6.00 \$4.81 \$4.03
S117715 S117720 S117725 S117730	7 × ½8 7 × ½8 7 × ½8 7 × ½8	36 50 60 80	25 25 25 25	\$6.00 \$4.81 \$4.03 \$3.70
S117715 S117720 S117725 S117730	$7 \times 7/8$ $7 \times 7/8$ $7 \times 7/8$ $7 \times 7/8$	36 50 60 80	25 25 25 25	\$6.00 \$4.81 \$4.03 \$3.70
S117715 S117720 S117725 S117730 PART# S127710	$7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ DIMENSIONS $7 \times \frac{5}{8} - 11$	36 50 60 80 GRIT 24	25 25 25 25 27 27 25	\$6.00 \$4.81 \$4.03 \$3.70 LIST \$6.95
S117715 S117720 S117725 S117730 PART# S127710 S127715	$7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ DIMENSIONS $7 \times \frac{5}{8} - 11$ $7 \times \frac{5}{8} - 11$	36 50 60 80 GRIT 24 36	25 25 25 25 27 27 25 25	\$6.00 \$4.81 \$4.03 \$3.70 LIST \$6.95 \$6.25
S117715 S117720 S117725 S117730 PART# S127710 S127715 S127720	$7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ $7 \times \frac{7}{8}$ DIMENSIONS $7 \times \frac{5}{8} - 11$ $7 \times \frac{5}{8} - 11$ $7 \times \frac{5}{8} - 11$	36 50 60 80 GRIT 24 36 50	25 25 25 25 27 27 25 25 25	\$6.00 \$4.81 \$4.03 \$3.70 LIST \$6.95 \$6.25 \$5.00





Our MAX FORCE resin fibre discs are made with blends of ceramic and alumina zirconia grain, each having self-sharpening characteristics that will provide an exceptional value for an entry level high-performance product. End users will experience enhanced rates-of-cut and service life versus products made with alumina zirconia and/ or aluminum oxide grain.

C	Ε	R	A	M		C	L	П	ſΕ
S	U	P	Ε	R-	- ,	SI	Z	Ε	D

- » Designed for high-performance grinding on stainless steel and heat sensitive alloys
- » Excellent entry level ceramic disc at an affordable cost
- » Super-size coating lubricates and promotes cool-cutting

PART#	DIMENSIONS	GRIT	QTY	LIST
S118410	$4\frac{1}{2} \times \frac{7}{8}$	24	25	\$2.26
S118415	$4\frac{1}{2} \times \frac{7}{8}$	36	25	\$2.01
S118420	$4\frac{1}{2} \times \frac{7}{8}$	50	25	\$1.79
S118425	$4\frac{1}{2} \times \frac{7}{8}$	60	25	\$1.66
S118430	$4\frac{1}{2} \times \frac{7}{8}$	80	25	\$1.57
PART#	DIMENSIONS	GRIT	QTY	LIST
S128410	41/2 × 5/8-11	24	25	\$2.67
S128415	$4\frac{1}{2} \times \frac{5}{8} - 11$	36	25	\$2.53
S128420	$4\frac{1}{2} \times \frac{5}{8} - 11$	50	25	\$2.31
S128425	$4\frac{1}{2} \times \frac{5}{8} - 11$	60	25	\$2.18
S128430	$4\frac{1}{2} \times \frac{5}{8} - 11$	80	25	\$2.09
PART#	DIMENSIONS	GRIT	QTY	LIST
S118510	5 × 1//8	24	25	\$2.61
S118515	5 × 1/8	36	25	\$2.30
S118520	5 × 1/8	50	25	\$2.01
S118525	5 × 1/8	60	25	\$1.86
S118530	5 × 1//8	80	25	\$1.75
PART#	DIMENSIONS	GRIT	QTY	LIST
S128510	5 × 5/8-11	24	25	\$3.16
S128515	5 × 5/8-11	36	25	\$2.80
S128520	5 × 5/8-11	50	25	\$2.53
S128525	5 × 5/8-11	60	25	\$2.38
S128530	5 × 5/8-11	80	25	\$2.27
PART#	DIMENSIONS	GRIT	QTY	LIST
S118710	$7 \times \frac{7}{8}$	24	25	\$5.43
S118715	7 × ⁷ / ₈	36	25	\$4.78
S118720	7 × ⁷ / ₈	50	25	\$3.47
S118725	7 × ⁷ / ₈	60	25	\$3.03
S118730	7 × ⁷ / ₈	80	25	\$2.79

PART#	DIMENSIONS	GRIT	QTY	LIST
S128710	7 × ½-11	24	25	\$5.65
S128715	7 × ½-11	36	25	\$5.02
S128720	7 × ½-11	50	25	\$3.80
S128725	7 × ½-11	60	25	\$3.55
S128730	7 × ⁵ / ₈ -11	80	25	\$3.31









Our HIGH ENERGY resin fibre discs are made with premium, self-sharpening alumina zirconia grain and offer the end user a significant "stepup" in overall performance/cost value versus products made with aluminum oxide grain.

ALUMINA ZIRCONIA

- » Demanding applications requiring heavier stock removal and grinding pressures
- » Made with 100% alumina zirconia grain

PART#	DIMENSIONS	GRIT	QTY	LIST
115310	4 × 5/8	24	25	\$1.13
115315	4 × 5/8	36	25	\$1.07
115320	4 × 5/8	50	25	\$0.99
115325	4 × 5/8	60	25	\$0.92
115330	4 × 5/8	80	25	\$0.90
115335	4 × 5/8	100	25	\$0.90
115340	4 × 5/8	120	25	\$0.90
PART#	DIMENSIONS	GRIT	QTY	LIST
115405	$4\frac{1}{2} \times \frac{7}{8}$	16	25	\$1.33
115410	$4\frac{1}{2} \times \frac{7}{8}$	24	25	\$1.24
115415	$4\frac{1}{2} \times \frac{7}{8}$	36	25	\$1.16
115420	$4\frac{1}{2} \times \frac{7}{8}$	50	25	\$1.05
115425	$4\frac{1}{2} \times \frac{7}{8}$	60	25	\$0.98
115430	$4\frac{1}{2} \times \frac{7}{8}$	80	25	\$0.95
115435	$4\frac{1}{2} \times \frac{7}{8}$	100	25	\$0.95
115440	$4\frac{1}{2} \times \frac{7}{8}$	120	25	\$0.95
PART#	DIMENSIONS	GRIT	QTY	LIST
PART# 125405	DIMENSIONS 4½ × 5/8-11	GRIT 16	QTY 25	\$1.83
125405	4½ × 5/8-11	16	25	\$1.83
125405 125410	4½ × 5/8-11 4½ × 5/8-11	16 24	25 25	\$1.83 \$1.74
125405 125410 125415	$4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$	16 24 36	25 25 25	\$1.83 \$1.74 \$1.66
125405 125410 125415 125420	$4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$	16 24 36 50	25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55
125405 125410 125415 125420 125425	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60	25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48
125405 125410 125415 125420 125425 125430	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60 80	25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45
125405 125410 125415 125420 125425 125430 125435	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60 80 100	25 25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45
125405 125410 125415 125420 125425 125430 125435	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60 80 100	25 25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45
125405 125410 125415 125420 125425 125430 125435 125440	4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60 80 100 120	25 25 25 25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45 \$1.45
125405 125410 125415 125420 125425 125430 125435 125440	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS	16 24 36 50 60 80 100 120	25 25 25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45 \$1.45
125405 125410 125415 125420 125425 125430 125435 125440 PART# 115505	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16	25 25 25 25 25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45 \$1.45 \$1.45
125405 125410 125415 125420 125425 125430 125435 125440 PART# 115505 115510	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16 24	25 25 25 25 25 25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45 \$1.45 \$1.45 \$1.45 \$1.45
125405 125410 125415 125420 125425 125430 125435 125440 PART# 115505 115510 115515	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16 24 36	25 25 25 25 25 25 25 25 25 25 25 25	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45 \$1.45 \$1.45 \$1.45 \$1.45
125405 125410 125415 125420 125425 125430 125435 125440 PART# 115505 115510 115515 115520	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16 24 36 50	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45 \$1.45 \$1.45 \$1.45 \$1.45
125405 125410 125415 125420 125425 125430 125435 125440 PART# 115505 115510 115515 115520 115525	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16 24 36 50 60	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$1.83 \$1.74 \$1.66 \$1.55 \$1.48 \$1.45 \$1.45 \$1.45 \$1.45 \$1.45 \$1.45

PART#	DIMENSIONS	GRIT	QTY	LIST
125505	5 × 5/8-11	16	25	\$2.00
125510	5 × 5/8-11	24	25	\$1.90
125515	5 × 5/8-11	36	25	\$1.80
125520	5 × 5/8-11	50	25	\$1.67
125525	5 × 5/8-11	60	25	\$1.58
125530	5 × 5/8-11	80	25	\$1.54
125535	5 × 5/8-11	100	25	\$1.54
125540	5 × 5/8-11	120	25	\$1.54
PART#	DIMENSIONS	GRIT	QTY	LIST
115705	7 × ⁷ / ₈	16	25	\$2.52
115710	7 × ⁷ / ₈	24	25	\$2.34
115715	$7 \times \frac{7}{8}$	36	25	\$2.16
115720	7 × ⁷ / ₈	50	25	\$1.89
115725	7 × ⁷ / ₈	60	25	\$1.74
115730	7 × ⁷ / ₈	80	25	\$1.67
115735	7 × ⁷ / ₈	100	25	\$1.67
115740	7 × ⁷ / ₈	120	25	\$1.67
PART#	DIMENSIONS	GRIT	QTY	LIST
125705	7 × 5/8-11	16	25	\$3.02
125703	7 × ⁵ /8-11	24	25	\$2.84
125715	7 × 98-11 7 × 5/8-11	36	25	\$2.66
125713	7 × 98-11 7 × 5/8-11	50	25 25	\$2.39
125725	$7 \times 98-11$ $7 \times 5/8-11$	60	25 25	\$2.24
125725	7 × 98-11 7 × 5/8-11	80	25 25	\$2.24
125735	7 × 5/8-11	100	25	\$2.17
125740	7 × 5/8-11	120	25	\$2.17
PART#	DIMENSIONS	GRIT	QTY	LIST
115905	9 × 7/8	16	25	\$4.16
115910	9 × 7/8	24	25	\$3.87
115915	9 × 7/8	36	25	\$3.56
115920	9 × ⁷ / ₈	50	25	\$3.13
115925	9 × 7/8	60	25	\$2.89
115930	9 × 7/8	80	25	\$2.78
115935	9 × 7/8	100	25	\$2.78
115940	9 × 7/8	120	25	\$2.78
PART#	DIMENSIONS	GRIT	QTY	LIST
125905	9 × 5/8-11	16	25	\$4.66
125910	9 × 5/8-11	24	25	\$4.37
125915	9 × 5/8-11	36	25	\$4.06
125920	9 × 5/8-11	50	25	\$3.63
125925	9 × 5/8-11	60	25	\$3.39
125930	9 × 5/8-11	80	25	\$3.28
125935	9 × 5/8-11	100	25	\$3.28
125940	9 × 5/8-11	120	25	\$3.28





Our LIGHTNING resin fibre discs are made with premium, general purpose aluminum oxide grain and are suitable for use on a wide range of materials. They are an excellent choice for maintenance and repair operation applications, are economically priced and can always be counted on to get the job done.

ALUMINUM OXIDE

» Versatile, multi-purpose grinding and finishing at an economical cost

PART#	DIMENSIONS	GRIT	QTY	LIST
111305	4 × 5/8	16	25	\$0.85
111310	4 × 5/8	24	25	\$0.83
111315	4 × ⁵ / ₈	36	25	\$0.81
111320	4 × ⁵ / ₈	50	25	\$0.78
111325	4 × ⁵ / ₈	60	25	\$0.75
111330	4 × ⁵ / ₈	80	25	\$0.74
111335	4 × ⁵ / ₈	100	25	\$0.74
111340	4 × ⁵ / ₈	120	25	\$0.74
PART#	DIMENSIONS	GRIT	QTY	LIST
112405	$4\frac{1}{2} \times \frac{7}{8}$	16	25	\$0.89
112410	$4\frac{1}{2} \times \frac{7}{8}$	24	25	\$0.88
112415	$4\frac{1}{2} \times \frac{7}{8}$	36	25	\$0.84
112420	$4\frac{1}{2} \times \frac{7}{8}$	50	25	\$0.80
112425	$4\frac{1}{2} \times \frac{7}{8}$	60	25	\$0.78
112430	$4\frac{1}{2} \times \frac{7}{8}$	80	25	\$0.77
112435	$4\frac{1}{2} \times \frac{7}{8}$	100	25	\$0.77
112440	$4\frac{1}{2} \times \frac{7}{8}$	120	25	\$0.77
PART#	DIMENSIONS	GRIT	QTY	LIST
PART# 122405	DIMENSIONS $4\frac{1}{2} \times \frac{5}{8} - 11$	GRIT 16	QTY 25	\$1.39
122405	4½ × 5/8-11	16	25	\$1.39
122405 122410	4½ × 5/8-11 4½ × 5/8-11	16 24	25 25	\$1.39 \$1.38
122405 122410 122415	$4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$	16 24 36	25 25 25	\$1.39 \$1.38 \$1.34
122405 122410 122415 122420	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	16 24 36 50	25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30
122405 122410 122415 122420 122425	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60	25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28
122405 122410 122415 122420 122425 122430	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60 80	25 25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27
122405 122410 122415 122420 122425 122430 122435	4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60 80	25 25 25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27
122405 122410 122415 122420 122425 122430 122435 122440	4½ × 5/8-11 4½ × 5/8-11	16 24 36 50 60 80 100 120	25 25 25 25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27 \$1.27
122405 122410 122415 122420 122425 122430 122435 122440	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS	16 24 36 50 60 80 100 120	25 25 25 25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27 \$1.27
122405 122410 122415 122420 122425 122430 122435 122440 PART# 112505	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16	25 25 25 25 25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27 \$1.27 \$1.27
122405 122410 122415 122420 122425 122430 122435 122440 PART# 112505 112510	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16 24	25 25 25 25 25 25 25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27 \$1.27 \$1.27 \$0.99 \$0.97
122405 122410 122415 122420 122425 122430 122435 122440 PART# 112505 112510 112515	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16 24 36	25 25 25 25 25 25 25 25 25 25 25 25	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27 \$1.27 \$1.27 \$0.99 \$0.97 \$0.93
122405 122410 122415 122420 122425 122430 122435 122440 PART# 112505 112510 112515 112520	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	16 24 36 50 60 80 100 120 GRIT 16 24 36 50	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27 \$1.27 \$1.27 \$0.99 \$0.97 \$0.93 \$0.88
122405 122410 122415 122420 122425 122430 122435 122440 PART# 112505 112510 112515 112520 112525	4½ × 5/8-11 4½ × 5/8-11 5 × 5/8 5 × 7/8 5 × 7/8 5 × 7/8 5 × 7/8	16 24 36 50 60 80 100 120 GRIT 16 24 36 50 60	25 25 25 25 25 25 25 25 25 25 25 25 25 2	\$1.39 \$1.38 \$1.34 \$1.30 \$1.28 \$1.27 \$1.27 \$1.27 \$0.99 \$0.97 \$0.93 \$0.88 \$0.85

PART#	DIMENSIONS	GRIT	QTY	LIST
122505	5 × 5/8-11	16	25	\$1.49
122510	5 × 5/8-11	24	25	\$1.47
122515	5 × 5/8-11	36	25	\$1.43
122520	5 × 5/8-11	50	25	\$1.38
122525	5 x 5/8-11	60	25	\$1.35
122530	5 × 5/8-11	80	25	\$1.34
122535	5 × 5/8-11	100	25	\$1.34
122540	5 × 5/8-11	120	25	\$1.34
PART#	DIMENSIONS	GRIT	QTY	LIST
112705	7 × ½	16	25	\$1.57
112710	7 × ⁷ / ₈	24	25	\$1.53
112715	7 × ⁷ /8	36	25	\$1.45
112720	7 × ⁷ /8	50	25	\$1.36
112725	7 × ⁷ /8	60	25	\$1.32
112723	$7 \times \frac{7}{8}$	80	25	\$1.29
112735	7 × ⁷ /8	100	25	\$1.29
112740	7 × ⁷ /8	120	25	\$1.29
112740	1 × 78	120	25	Φ1.29
PART#	DIMENSIONS	GRIT	QTY	LIST
122705	7 × 5/8-11	16	25	\$2.07
122710	7 × 5/8-11	24	25	\$2.03
122715	7 × 5/8-11	36	25	\$1.95
122720	7 × 5/8-11	50	25	\$1.86
122725	7 × ⁵ / ₈ -11	60	25	\$1.82
122730	7 × 5/8-11	80	25	\$1.79
122735	7 × 5/8-11	100	25	\$1.79
122740	7 × 5/8-11	120	25	\$1.79
PART#	DIMENSIONS	GRIT	QTY	LIST
112905	9 × ⁷ / ₈	16	25	\$2.61
112910	9 × ⁷ / ₈	24	25	\$2.54
112915	9 × ⁷ / ₈	36	25	\$2.42
112920	9 × ⁷ / ₈	50	25	\$2.26
112925	9 × ⁷ / ₈	60	25	\$2.22
112930	9 × ⁷ / ₈	80	25	\$2.17
112935	9 × ⁷ / ₈	100	25	\$2.17
112940	9 × ⁷ / ₈	120	25	\$2.17
PART#	DIMENSIONS	GRIT	QTY	LIST
122905	9 × 5/8-11	16	25	\$3.11
122910	9 × 5/8-11	24	25	\$3.04
122915	9 × 5/8-11	36	25	\$2.92
122920	9 × 5/8-11	50	25	\$2.76
122925	9 × 5/8-11	60	25	\$2.72
122930	9 × 5/8-11	80	25	\$2.67
122935	9 × 5/8-11	100	25	\$2.67
122940	9 × 5/8-11	120	25	\$2.67







Our **LIGHTNING** resin fibre discs are made with premium, general purpose silicon carbide grain and are economically priced and can always be counted on to get the job done.

SILICON CARBIDE

» Grinding and finishing on marble, stone, terrazzo and titanium

PART#	DIMENSIONS	GRIT	QTY	LIST
114305	4 × ⁵ / ₈	16	25	\$1.17
114310	4 × ⁵ / ₈	24	25	\$1.11
114315	4 × 5/8	36	25	\$1.09
114320	4 × ⁵ / ₈	50	25	\$1.06
114325	4 × 5/8	60	25	\$1.03
114330	4 × 5/8	80	25	\$1.02
114335	4 × 5/8	100	25	\$1.02
114340	4 × 5/8	120	25	\$1.02
PART#	DIMENSIONS	GRIT	QTY	LIST
114405	$4\frac{1}{2} \times \frac{7}{8}$	16	25	\$1.25
114410	$4\frac{1}{2} \times \frac{7}{8}$	24	25	\$1.17
114415	$4\frac{1}{2} \times \frac{7}{8}$	36	25	\$1.14
114420	$4\frac{1}{2} \times \frac{7}{8}$	50	25	\$1.10
114425	$4\frac{1}{2} \times \frac{7}{8}$	60	25	\$1.07
114430	$4\frac{1}{2} \times \frac{7}{8}$	80	25	\$1.05
114435	$4\frac{1}{2} \times \frac{7}{8}$	100	25	\$1.05
114440	$4\frac{1}{2} \times \frac{7}{8}$	120	25	\$1.05
PART#	DIMENSIONS	GRIT	QTY	LIST
124405	4½ × 5/8-11	16	25	\$1.75
124410	4½ × 5/8-11	24	25	\$1.67
124415	4½ × 5/8-11	36	25	\$1.64
124420				Ψ1.0 1
127720	4½ × 5/8-11	50	25	\$1.60
124425	4½ × 5/8-11 4½ × 5/8-11	50 60		
			25	\$1.60
124425	4½ × 5/8-11	60	25 25	\$1.60 \$1.57
124425 124430	4½ × 5/8-11 4½ × 5/8-11	60 80	25 25 25	\$1.60 \$1.57 \$1.55
124425 124430 124435	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	60 80 100	25 25 25 25	\$1.60 \$1.57 \$1.55 \$1.55
124425 124430 124435 124440	4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11 4½ × 5/8-11	60 80 100 120	25 25 25 25 25 25	\$1.60 \$1.57 \$1.55 \$1.55 \$1.55
124425 124430 124435 124440 PART#	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS	60 80 100 120	25 25 25 25 25 25	\$1.60 \$1.57 \$1.55 \$1.55 \$1.55
124425 124430 124435 124440 PART# 114505	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$	60 80 100 120 GRIT 16	25 25 25 25 25 25 27 25	\$1.60 \$1.57 \$1.55 \$1.55 \$1.55
124425 124430 124435 124440 PART# 114505 114510	$4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	60 80 100 120 GRIT 16 24	25 25 25 25 25 25 25 25	\$1.60 \$1.57 \$1.55 \$1.55 \$1.55 \$1.40 \$1.30
124425 124430 124435 124440 PART# 114505 114510 114515	$4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ $4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	60 80 100 120 GRIT 16 24 36	25 25 25 25 25 25 27 25 25 25 25	\$1.60 \$1.57 \$1.55 \$1.55 \$1.55 \$1.55 \$1.40 \$1.30 \$1.26
124425 124430 124435 124440 PART# 114505 114510 114515 114520	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$ $5 \times \frac{7}{8}$	60 80 100 120 GRIT 16 24 36 50	25 25 25 25 25 25 27 25 25 25 25	\$1.60 \$1.57 \$1.55 \$1.55 \$1.55 \$1.40 \$1.30 \$1.26 \$1.22
124425 124430 124435 124440 PART# 114505 114510 114515 114520 114525	$4\frac{1}{2} \times \frac{5}{8} - 11$ DIMENSIONS $5 \times \frac{7}{8}$	60 80 100 120 GRIT 16 24 36 50 60	25 25 25 25 25 25 27 25 25 25 25 25	\$1.60 \$1.57 \$1.55 \$1.55 \$1.55 \$1.40 \$1.30 \$1.26 \$1.22 \$1.18

PART#	DIMENSIONS	GRIT	QTY	LIST
124505	5 × 5/8-11	16	25	\$1.90
124510	5 × 5/8-11	24	25	\$1.80
124515	5 × 5/8-11	36	25	\$1.76
124520	5 × 5/8-11	50	25	\$1.72
124525	5 × 5/8-11	60	25	\$1.68
124530	5 × 5/8-11	80	25	\$1.66
124535	5 × 5/8-11	100	25	\$1.66
124540	5 × 5/8-11	120	25	\$1.66
PART#	DIMENSIONS	GRIT	QTY	LIST
114705	7 × 7/8	16	25	\$2.22
114710	7 × ⁷ / ₈	24	25	\$2.03
114715	7 × ⁷ / ₈	36	25	\$1.95
114720	7 × ⁷ / ₈	50	25	\$1.86
114725	7 × ⁷ / ₈	60	25	\$1.81
114730	7 × ⁷ / ₈	80	25	\$1.78
114735	7 × ⁷ / ₈	100	25	\$1.78
114740	7 × ⁷ /8	120	25	\$1.78
114740	1 ^ 78	120	23	Ψ1.70
11				
PART#	DIMENSIONS	GRIT	QTY	LIST
124705	7 × 5/8-11	16	25	\$2.72
124710	7 × 5/8-11	24	25	\$2.53
124715	7 × 5/8-11	36	25	\$2.45
124720	7 × 5/8-11	50	25	\$2.36
124725	7 × 5/8-11	60	25	\$2.31
124730	7 × 5/8-11	80	25	\$2.28
124735	7 × 5/8-11	100	25	\$2.28
124740	7 × 1/8-11	120	25	\$2.28
PART#	DIMENSIONS	GRIT	QTY	LIST
114905	9 × 1/8	16	25	\$3.72
114910	9 × 7/8	24	25	\$3.40
114915	9 × 7/8	36	25	\$3.27
114920	9 × 7/8	50	25	\$3.11
114925	9 × 7/8	60	25	\$3.06
114930	9 × ⁷ / ₈	80	25	\$3.01
114935	9 × ⁷ / ₈	100	25	\$3.01
114940	9 × ⁷ / ₈	120	25	\$3.01
PART#	DIMENSIONS	GRIT	QTY	LIST
124905	9 × 5/8-11	16	25	\$4.22
124910	9 × 5/8-11	24	25	\$3.90
124915	9 × 5/8-11	36	25	\$3.77
124920	9 × 5/8-11	50	25	\$3.61
124925	9 × 5%-11	60	25	\$3.56
124930	9 × 5/8-11	80	25	\$3.50
124935	9 × 5%-11	100	25	\$3.50
124940	9 × 5%-11	120	25	\$3.50
127770) ~ /o-TT	120	25	Ψ3.30





QUICK-CHANGE FIBRE AND CLOTH-BACKED DISCS

QUICK-CHANGE DISCS are among the most popular selling coated abrasive products. We offer one of the most comprehensive portfolios of cloth and fibre backed quick-change discs in the marketplace.

Using the finest raw materials available, we utilize cutting edge production technologies and incorporate our capabilities as a primary coated abrasive manufacturer to produce a product offering that will satisfy most every application requirement. Our strong cost position allows us the opportunity to quote aggressively on large volume and competitive scenarios.

IN THE KNOW...

Why consider a quick-change disc with a fibre backing vs. cloth backing?

Cloth-backed quick-change discs are more flexible and better for adapting to contoured surfaces. By comparison, fibre-backed discs are less flexible but are far superior for stock removal and will always provide longer sustained cutting action and service life.

THE MARVEL ADVANTAGE

- » One of the most broad program offerings in the business
- » We internally control the raw materials, manufacture and fabrication of all our quickchange disc products
- » Our Type-R fasteners are color-coded for easy grit recognition
- » Our options for satisfying virtually any application requirement are limitless

TYPE-R FASTENER COLOR CODING

Our Type-R fasteners are molded from "super tough" nylon and are consistent with all other similar fasteners offered throughout the industry. Our Type-R fasteners are color coded for quick identification:

COLOR	GRIT	COLOR	GRIT
Black	.24	Blue	.100
Brown	.36	White	.120
Red	.40	Black	.150
Green	.50	Brown	.180
Orange	.60	Green	.240
Yellow	.80	Yellow	.320







Marvel's line of quick-change fibre-backed discs is essentially a small diameter version of our large diameter program. Unlike various types of cloth backings, a vulcanized fibre backing has the ability to effectively anchor each grain (cutting point) until it has been consumed, resulting in prolonged performance and extended service life. The ability to significantly slow the pace of wear on the perimeter of these discs is a hallmark attribute of the fibre-backed disc. Please refer to the features and benefits of our larger resin fibre discs for making proper disc selection in this category.

IN THE KNOW...

TYPE-R FASTENER

What is "Super-size"?

Super-size is a third, soft resin coating that is infused with grinding aids that break down gradually during use to cool and lubricate the disc. Discs with a super-size are recommended for applications involving heat-sensitive materials like stainless steel and Inconcel®, when heat generation and surface burning are concerns.

Alumina Zirconia AZ Premium Ceramic Super-Sized SGP

Premium	Ceramio	
Super-Siz	zed SGP	

	o a p o .	0.200		1417 17 1	0.10
	PART#	SIZE	GRIT	QTY	LIST
	S137210	2	24	100	\$2.01
	S137215	2	36	100	\$1.81
	S137220	2	50	100	\$1.43
	S137225	2	60	100	\$1.23
	S137230	2	80	100	\$1.14
	PART#	SIZE	GRIT	QTY	LIST
	S137310	3	24	50	\$2.80
	S137315	3	36	50	\$2.50
	S137320	3	50	50	\$1.97
	S137325	3	60	50	\$1.71
	S137330	3	80	50	\$1.62

MAX FORCE+

Ceramic-Lite Super-Sized SGLP

Super-	Sized SGL	_P	MAX	FORCE
PART#	SIZE	GRIT	QTY	LIST
S138210	2	24	100	\$1.19
S138215	2	36	100	\$1.10
S138220	2	50	100	\$1.02
S138225	2	60	100	\$0.98
S138230	2	80	100	\$0.95
PART#	SIZE	GRIT	QTY	LIST
S138310	3	24	50	\$1.81
S138315	3	36	50	\$1.68
S138320	3	50	50	\$1.53
S138325	3	60	50	\$1.47
S138330	3	80	50	\$1.40

Alumina Zirconia AZ			HIGH ENERGY	
PART#	SIZE	GRIT	QTY	LIST
135210	2	24	100	\$1.00
135215	2	36	100	\$0.93
135220	2	50	100	\$0.88
135225	2	60	100	\$0.87
135230	2	80	100	\$0.86

PART#	SIZE	GRIT	QTY	LIST
135310	3	24	50	\$1.49
135315	3	36	50	\$1.39
135320	3	50	50	\$1.29
135325	3	60	50	\$1.22
135330	3	80	50	\$1.20

Note: Additional diameters, shapes and grit sizes available upon request.



Ceramic-Lite

Super-Sized SGLP



Premium Ceramic Super-Sized SGP

Super-Sized SGP			MAX	FORCE+
PART#	SIZE	GRIT	QTY	LIST
S507210	2	24	100	\$2.01
S507215	2	36	100	\$1.81
S507225	2	50	100	\$1.43
S507230	2	60	100	\$1.23
S507235	2	80	100	\$1.14
PART#	SIZE	GRIT	QTY	LIST
S507310	3	24	50	\$2.80
S507315	3	36	50	\$2.50
S507325	3	50	50	\$1.97
S507330	3	60	50	\$1.71
S507335	3	80	50	\$1.62

Ceramic-Lite

Super-Sized SGLP			MAX	(FORCE
PART#	SIZE	GRIT	QTY	LIST
S508210	2	24	100	\$1.19
S508215	2	36	100	\$1.10
S508225	2	50	100	\$1.02
S508230	2	60	100	\$0.98
S508235	2	80	100	\$0.95
PART#	SIZE	GRIT	QTY	LIST
S508310	3	24	50	\$1.81
S508315	3	36	50	\$1.68
S508325	3	50	50	\$1.53
S508330	3	60	50	\$1.47
S508335	3	80	50	\$1.40





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Alumina	Zirconia	AZ	HIGH	ENERGY
PART#	SIZE	GRIT	QTY	LIST
505210	2	24	100	\$1.00
505215	2	36	100	\$0.93
505225	2	50	100	\$0.88
505230	2	60	100	\$0.87
505235	2	80	100	\$0.86
PART#	SIZE	GRIT	QTY	LIST
505310	3	24	50	\$1.49
505315	3	36	50	\$1.39
505325	3	50	50	\$1.29
505330	3	60	50	\$1.22
505335	3	80	50	\$1.20

Note: Additional diameters, shapes and grit sizes available upon request.



Ceramic-Lite Super-Sized SGLP

Premium Ceramic Super-Sized SGP





Premium Ceramic

i i cilliulli cerallile					
Super-Siz	Super-Sized SGP+ MAX FORCE+				
PART#	SIZE	GRIT	QTY	LIST	
159110-880	11/2	24	100	\$0.98	
159115-880	11/2	36	100	\$0.90	
159120-880	11/2	40	100	\$0.85	
159125-880	11/2	50	100	\$0.82	
159130-880	11/2	60	100	\$0.75	
159135-880	11/2	80	100	\$0.72	
159140-880	11/2	100	100	\$0.71	
159145-880	11/2	120	100	\$0.71	
PART#	SIZE	GRIT	QTY	LIST	
159210-880	2	24	100	\$1.14	
159215-880	2	36	100	\$1.05	
159220-880	2	40	100	\$1.01	
159225-880	2	50	100	\$0.96	
159230-880	2	60	100	\$0.94	
159235-880	2	80	100	\$0.92	
159240-880	2	100	100	\$0.89	
159245-880	2	120	100	\$0.89	
PART#	SIZE	GRIT	QTY	LIST	
159310-880	3	24	50	\$1.88	
159315-880	3	36	50	\$1.65	
159320-880	3	40	50	\$1.52	
159325-880	3	50	50	\$1.41	
159330-880	3	60	50	\$1.38	
159335-880	3	80	50	\$1.35	
159340-880	3	100	50	\$1.31	
159345-880	3	120	50	\$1.31	

Ceramic

Super-S	Sized <mark>SGF</mark>)	MAX	FORCE
PART#	SIZE	GRIT	QTY	LIST
159110	11/2	24	100	\$0.85
159115	11/2	36	100	\$0.78
159120	11/2	40	100	\$0.74
159125	11/2	50	100	\$0.71
159130	11/2	60	100	\$0.65
159135	11/2	80	100	\$0.63
159140	11/2	100	100	\$0.62
159145	11/2	120	100	\$0.62
PART#	SIZE	GRIT	QTY	LIST
159210	2	24	100	\$0.99
159215	2	36	100	\$0.91
159220	2	40	100	\$0.87
159225	2	50	100	\$0.84
159230	2	60	100	\$0.82
159235	2	80	100	\$0.80
159240	2	100	100	\$0.78
159245	2	120	100	\$0.78
PART#	SIZE	GRIT	QTY	LIST
159310	3	24	50	\$1.64
159315	3	36	50	\$1.44
159320	3	40	50	\$1.32
159325	3	50	50	\$1.22
159330	3	60	50	\$1.20
159335	3	80	50	\$1.17
159340	3	100	50	\$1.14
159345	3	120	50	\$1.14

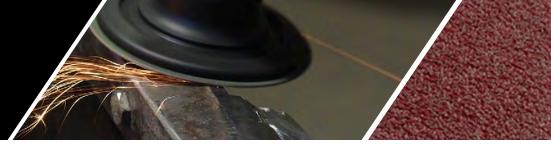
Alumina Zirconia

Super-Sized AZP		HIGH	ENERGY	
PART#	SIZE	GRIT	QTY	LIST
191110	11/2	24	100	\$0.67
191115	11/2	36	100	\$0.63
191120	11/2	40	100	\$0.61
191125	11/2	50	100	\$0.59
191130	11/2	60	100	\$0.58
191135	11/2	80	100	\$0.57
191140	11/2	100	100	\$0.56
191145	11/2	120	100	\$0.56

Alumina Zirconia

Super-S	olzed AZF	,	HIGH EN	NERGY
PART#	SIZE	GRIT	QTY	LIST
191210	2	24	100	\$0.89
191215	2	36	100	\$0.81
191220	2	40	100	\$0.78
191225	2	50	100	\$0.75
191230	2	60	100	\$0.73
191235	2	80	100	\$0.71
191240	2	100	100	\$0.69
191245	2	120	100	\$0.69
PART#	SIZE	GRIT	QTY	LIST
191310	3	24	50	\$1.33
191315	3	36	50	\$1.18
191320	3	40	50	\$1.15
191325	3	50	50	\$1.10
191330	3	60	50	\$1.07
191335	3	80	50	\$1.03
191340	3	100	50	\$0.99
191345	3	120	50	\$0.99





Aluminu	ım Oxide	-		
Compac	t Grain 🖊	10	LIG	HTNING
PART#	SIZE	GRIT	QTY	LIST
140135	11/2	80	100	\$0.68
140145	11/2	120	100	\$0.68
140155	11/2	180	100	\$0.68
140165	11/2	240	100	\$0.68
140175	11/2	320	100	\$0.68
140180	11/2	400	100	\$0.68
140190	11/2	600	100	\$0.68
PART#	SIZE	GRIT	QTY	LIST
140235	2	80	100	\$0.85
140245	2	120	100	\$0.83
140255	2	180	100	\$0.83
140265	2	240	100	\$0.83
140275	2	320	100	\$0.83
140280	2	400	100	\$0.83
140290	2	600	100	\$0.83
PART#	SIZE	GRIT	QTY	LIST
140335	3	80	50	\$1.20
140345	3	120	50	\$1.15
140355	3	180	50	\$1.15
140365	3	240	50	\$1.15
140375	3	320	50	\$1.15
140380	3	400	50	\$1.15
140390	3	600	50	\$1.15

Note: Additional diameters, shapes and grit sizes available upon request.

Aluminur	n Oxide	e AO	LIG	HTNING
PART#	SIZE	GRIT	QTY	LIST
141110	11/2	24	100	\$0.55
141115	11/2	36	100	\$0.54
141120	11/2	40	100	\$0.53
141125	11/2	50	100	\$0.52
141130	11/2	60	100	\$0.52
141135	11/2	80	100	\$0.51
141140	11/2	100	100	\$0.50
141145	11/2	120	100	\$0.50
141150	11/2	150	100	\$0.50
141155	11/2	180	100	\$0.50
141165	11/2	240	100	\$0.50
141175	11/2	320	100	\$0.50
PART#	SIZE	GRIT	QTY	LIST
141210	2	24	100	\$0.74
141215	2	36	100	\$0.71
141220	2	40	100	\$0.70
141225	2	50	100	\$0.68
141230	2	60	100	\$0.67
141235	2	80	100	\$0.66
141240	2	100	100	\$0.64
141245	2	120	100	\$0.64
141250	2	150	100	\$0.64
141255	2	180	100	\$0.64
141265	2	240	100	\$0.64
141275	2	320	100	\$0.64
PART#	SIZE	GRIT	QTY	LIST
141310	3	24	50	\$1.08
141315	3	36	50	\$1.02
141320	3	40	50	\$0.99
141325	3	50	50	\$0.96
141330	3	60	50	\$0.93
141335	3	80	50	\$0.91
141340	3	100	50	\$0.88
141345	3	120	50	\$0.88
141350	3	150	50	\$0.88
141355	3	180	50	\$0.88
141365	3	240	50	\$0.88
141375	3	320	50	\$0.88

TYPE-R FASTENER



Marvel offers a full range of flexible, clothbacked quick-change discs for grinding, blending and finishing on all types of materials. Made with durable, heavy-duty polyester substrates, these small diameter discs are amazingly versatile and capable of accessing hard to reach areas.

on like-sized holder pads. Our product range includes general purpose to high-performance suited for your particular needs.





Premium Ceramic

FIEIIIIIIII	CELGII	IIC			
Super-Sized SGP+ MAX FORCE+					
PART#	SIZE	GRIT	QTY	LIST	
169110-880	11/2	24	100	\$0.98	
169115-880	11/2	36	100	\$0.90	
169120-880	11/2	40	100	\$0.85	
169125-880	11/2	50	100	\$0.82	
169130-880	11/2	60	100	\$0.75	
169135-880	11/2	80	100	\$0.72	
169140-880	11/2	100	100	\$0.71	
169145-880	11/2	120	100	\$0.71	
PART#	SIZE	GRIT	QTY	LIST	
169210-880	2	24	100	\$1.14	
169215-880	2	36	100	\$1.05	
169220-880	2	40	100	\$1.01	
169225-880	2	50	100	\$0.96	
169230-880	2	60	100	\$0.94	
169235-880	2	80	100	\$0.92	
169240-880	2	100	100	\$0.89	
169245-880	2	120	100	\$0.89	
PART#	SIZE	GRIT	QTY	LIST	
169310-880	3	24	50	\$1.88	
169315-880	3	36	50	\$1.65	
169320-880	3	40	50	\$1.52	
169325-880	3	50	50	\$1.41	
169330-880	3	60	50	\$1.38	
169335-880	3	80	50	\$1.35	
169340-880	3	100	50	\$1.31	
169345-880	3	120	50	\$1.31	

Ceramic

Super-Siz	ed SGF)	MAX	FORCE
PART#	SIZE	GRIT	QTY	LIST
169110	11/2	24	100	\$0.85
169115	11/2	36	100	\$0.78
169120	11/2	40	100	\$0.74
169125	11/2	50	100	\$0.71
169130	11/2	60	100	\$0.65
169135	11/2	80	100	\$0.63
169140	11/2	100	100	\$0.62
169145	11/2	120	100	\$0.62
PART#	SIZE	GRIT	QTY	LIST
169210	2	24	100	\$0.99
169215	2	36	100	\$0.91
169220	2	40	100	\$0.87
169225	2	50	100	\$0.84
169230	2	60	100	\$0.82
169235	2	80	100	\$0.80
169240	2	100	100	\$0.78
169245	2	120	100	\$0.78
PART#	SIZE	GRIT	QTY	LIST
169310	3	24	50	\$1.65
169315	3	36	50	\$1.48
169320	3	40	50	\$1.37
169325	3	50	50	\$1.29
169330	3	60	50	\$1.20
169335	3	80	50	\$1.17
169340	3	100	50	\$1.14
169345	3	120	50	\$1.14

Alumina Zirconia Super-Sized AZP

Super-S	Sized AZF)	HIGH	ENERGY	,
PART#	SIZE	GRIT	QTY	LIST	
192110	11/2	24	100	\$0.67	
192115	11/2	36	100	\$0.63	
192120	11/2	40	100	\$0.61	
192125	11/2	50	100	\$0.59	
192130	11/2	60	100	\$0.58	
192135	11/2	80	100	\$0.57	
192140	11/2	100	100	\$0.56	
192145	11/2	120	100	\$0.56	

PART#	SIZE	GRIT	QTY	LICT
. ,				LIST
192210	2	24	100	\$0.89
192215	2	36	100	\$0.81
192220	2	40	100	\$0.78
192225	2	50	100	\$0.75
192230	2	60	100	\$0.73
192235	2	80	100	\$0.71
192240	2	100	100	\$0.69
192245	2	120	100	\$0.69
PART#	SIZE	GRIT	QTY	LIST
PART# 192310	SIZE 3	GRIT 24	QTY 50	LIST \$1.33
192310	3	24	50	\$1.33
192310 192315	3	24 36	50 50	\$1.33 \$1.18
192310 192315 192320	3 3 3	24 36 40	50 50 50	\$1.33 \$1.18 \$1.15
192310 192315 192320 192325	3 3 3 3	24 36 40 50	50 50 50 50	\$1.33 \$1.18 \$1.15 \$1.10
192310 192315 192320 192325 192330	3 3 3 3 3	24 36 40 50 60	50 50 50 50 50	\$1.33 \$1.18 \$1.15 \$1.10 \$1.07





Aluminum Oxide Compact Grain AO

Compact	Grain	AU	LIC	GHTNING
PART#	SIZE	GRIT	QTY	LIST
160135	11/2	80	100	\$0.68
160145	11/2	120	100	\$0.68
160155	11/2	180	100	\$0.68
160165	11/2	240	100	\$0.68
160175	11/2	320	100	\$0.68
160180	11/2	400	100	\$0.68
160190	11/2	600	100	\$0.68
PART#	SIZE	GRIT	QTY	LIST
160235	2	80	100	\$0.85
160245	2	120	100	\$0.83
160255	2	180	100	\$0.83
160265	2	240	100	\$0.83
160275	2	320	100	\$0.83
160280	2	400	100	\$0.83
160290	2	600	100	\$0.83
PART#	SIZE	GRIT	QTY	LIST
160335	3	80	50	\$1.26
160345	3	120	50	\$1.15
160355	3	180	50	\$1.15
160365	3	240	50	\$1.15
160375	3	320	50	\$1.15
160380	3	400	50	\$1.15
160390	3	600	50	\$1.15





Note: Additional diameters, shapes and grit sizes available upon request.



Aluminum	Oxide	AO	LIG	HTNING
PART#	SIZE	GRIT	QTY	LIST
145110	11/2	24	100	\$0.55
145115	11/2	36	100	\$0.54
145120	11/2	40	100	\$0.53
145125	11/2	50	100	\$0.52
145130	11/2	60	100	\$0.52
145135	11/2	80	100	\$0.51
145140	11/2	100	100	\$0.50
145145	11/2	120	100	\$0.50
145150	11/2	150	100	\$0.50
145155	11/2	180	100	\$0.50
145165	11/2	240	100	\$0.50
145175	11/2	320	100	\$0.50
PART#	SIZE	GRIT	QTY	LIST
145210	2	24	100	\$0.74
145215	2	36	100	\$0.71
145220	2	40	100	\$0.70
145225	2	50	100	\$0.68
145230	2	60	100	\$0.67
145235	2	80	100	\$0.66
145240	2	100	100	\$0.64
145245	2	120	100	\$0.64
145250	2	150	100	\$0.64
145255	2	180	100	\$0.64
145265	2	240	100	\$0.64
145275	2	320	100	\$0.64
PART#	SIZE	GRIT	QTY	LIST
145310	3	24	50	\$1.08
145315	3	36	50	\$1.02
145320	3	40	50	\$0.99
145325	3	50	50	\$0.96
145330	3	60	50	\$0.93
145335	3	80	50	\$0.92
145340	3	100	50	\$0.89
145345	3	120	50	\$0.89
145350	3	150	50	\$0.89
145355	3	180	50	\$0.89
145365	3	240	50	\$0.88
145375	3	320	50	\$0.88







As a manufacturer of high performance resin fibre discs, we realize the importance of the disc to pad relationship. Back-up pads support the disc and properly distribute the grinding pressure to the work piece. To optimize the discs performance and service life, it is essential that the appropriate back-up pad system be selected. We offer a wide range of options, including a moderately priced series for general purpose grinding and a heavyduty series for applications demanding rugged durability.

POLYPROPYLENE PADS **GENERAL PURPOSE:**

- » Designed for high-performance grit
- » Designed with plain, non-threaded arbors to quickly assembly the pad, disc and pad nut to the tool's threaded spindle
- » Low-profile design permits access to tight areas
- » Offered in an air-cooled pad surface for heat sensitive applications and smooth pad surfaces for finer surface finishes
- » Light weight and precisely balanced for reduced operator fatigue
- » Economically priced

AIR-COOLED FACE

PART#	SIZE	ARBOR	FLEX	MAX RPM	LIST
378100	4	3/8	Medium	20,000	\$14.20
378101	41/2	5/8	Medium	20,000	\$14.78
378102	5	5/8	Medium	18,000	\$17.13
378104	7	5/8	Medium	10,000	\$25.08
378105	9	5/8	Medium	8,000	\$36.03

SMOOTH FACE

PART#	SIZE	ARBOR	FLEX	MAX RPM	LIST
378200	4	3/8	Medium	20,000	\$14.20
378201	41/2	5/8	Medium	20,000	\$14.78
378202	5	5/8	Medium	18,000	\$17.13
378204	7	5/8	Medium	10,000	\$25.08
378205	9	5/8	Medium	8,000	\$36.03

Note: Box quantities - One per box. All pads supplied with a 5/8"-11 pad nut (Part #373100).

HEAVY DUTY RUBBER PADS:

- » Designed for high-performance grit
- » Designed with 5/8"-11 threaded arbors to firmly attach to the tool's threaded spindle
- » Rugged inner construction allows for applications requiring aggressive grinding and stock removal
- » Offered in an air-cooled pad surface for heat sensitive applications and smooth pad surfaces for finer surface finishes
- » Long lasting durability

AIR-COOLED FACE

PART#	SIZE	ARBOR	FLEX	MAX RPM	LIST
379100	4	3/8-24	Medium	13,500	\$32.09
379101	41/2	5/8-11	Medium	13,500	\$32.07
379102	5	5/8-11	Medium	13,000	\$32.35
379104	7	5/8-11	Medium	8,600	\$47.75
379105	7	5/8-11	Firm	8,600	\$47.75
379106	9	5/8-11	Medium	6,600	\$56.32
379107	9	5/8-11	Firm	6,600	\$56.32

SMOOTH FACE

PART#	SIZE	ARBOR	FLEX	MAX RPM	LIST
379200	4	3/8-24	Medium	13,500	\$32.09
379201	41/2	5/8-11	Medium	13,500	\$32.31
379202	5	5/8-11	Medium	13,000	\$32.25
379204	7	5/8-11	Medium	8,600	\$47.40
379205	7	5/8-11	Firm	8,600	\$47.40
379206	9	5/8-11	Medium	6,600	\$55.89
379207	9	5/8-11	Firm	6,600	\$55.89





HEAVY-DUTY MARVELEDGE PADS:

» Designed for use with resin fibre discs having 5/8"-11 quick-change metal inserts



» Configuration of the pads perimeter surface channels provide grinding edges for faster rates-of-cut



AIR-COOLED FACE

PART#	SIZE	ARBOR	FLEX	MAX RPM	LIST
371111	41/2	5/8	Flexible	13,000	\$20.60
371100	41/2	5/8	Medium	13,000	\$21.43
371112	5	5/8	Flexible	10,000	\$22.58
371101	5	5/8	Medium	10,000	\$23.48

MARVELITE PADS:

» Exception choice for general purpose pads for additional cost reduction

PART#	SIZE	ARBOR	FLEX	MAX RPM	LIST
374102	41/2	5/8	Medium	20,000	\$12.72
374103	5	5/8	Medium	18,000	\$14.50

ADJUSTABLE SPANNER WRENCH

Marvel's adjustable spanner wrench will adapt to all pad nut spanner hole variations

DISC TRIMMER SET

In large volume grinding operations this device can offer significant savings by trimming worn portions of larger diameter discs into smaller diameter discs. Each disc trimmer supplied with one trimming blade. Replacement trimming blades (Part #412101) available separately.

PART#	DESCRIPTION	QTY	LIST
373100	5/8-11 Pad Nut	1	\$4.01
373112	³ / ₄ -24 Pad Nut	1	\$5.72
377100	Adjustable Spanner Wrench	1	\$7.96
412100	Disc Trimmer Set (w/blade)	1	\$205.66
412101	Trimmer Replacement Blade	1	\$53.03

Note: Box quantities - One per box. All 4-1/2" and 5" pads supplied with a 5/8"-11 pad nut (Part #373100).

QUICK-CHANGE DISC HOLDER PADS AND ACCESSORIES

Most every rotary-driven coated abrasive disc requires a suitable back-up pad system. In most cases the selection of the back-up pad system will have a direct bearing on the performance of the abrasive disc. Our range of quick-change holder pads will provide options from economic to highperformance.

QUICK-CHANGE DISC HOLDER PADS PREMIUM AIR-COOLED

HOLDER PADS:

- » Representing the very latest in holder pad technology, the unique design and construction provides unparalleled durability, performance and service life.
- » Vented pad surface removes heat generated during use, extending the abrasive disc's service life
- » Exceptional combination of flexibility and back support optimizes disc performance
- » Uniform three piece composition contributes to safe, balanced and vibration-free use
- » Maintains flex characteristics throughout pad life
- » More durable and longer lasting than conventional thermoset rubber equivalents
- » Especially effective when using coarse grade discs on applications requiring heavy to medium grinding

PREMIUM AIR-COOLED - TYPE-R

PART#	SIZE	FLEX	MAX RPM	LIST
383105	11/2	Medium/Firm	30,000	\$12.23
383106	2	Medium/Firm	30,000	\$12.63
383107	3	Medium/Firm	20,000	\$14.04
383108	4	Medium/Firm	15,000	\$22.47

PREMIUM AIR-COOLED - TYPE-S

PART#	SIZE	FLEX	MAX RPM	LIST
384105	11/2	Medium/Firm	30,000	\$12.33
384106	2	Medium/Firm	30,000	\$12.63
384107	3	Medium/Firm	20,000	\$14.04
384108	4	Medium/Firm	15,000	\$22.47

Box quantities: Packed one pad/mandrel per bag





CONVENTIONAL RUBBER HOLDER PADS:

- » Traditional rubber-based construction
- » More flexible than our air-cooled pads for added surface adaptability
- » More effective with finer grit sizes

CONVENTIONAL RUBBER - TYPE-R

PART#	SIZE	FLEX	MAX RPM	LIST
381100	11/2	Medium	30,000	\$9.73
381101	2	Medium	25,000	\$10.19
381102	3	Medium	20,000	\$10.72
381103	4	Medium	10,000	\$17.26

CONVENTIONAL RUBBER - TYPE-S

PART#	SIZE	FLEX	MAX RPM	LIST
382100	11/2	Medium	30,000	\$10.76
382101	2	Medium	25,000	\$10.19
382102	3	Medium	20,000	\$10.72
382103	4	Medium	10,000	\$17.26

Box quantities: Packed one pad/mandrel per bag







QUICK-CHANGE HOLDER PAD ACCESSORIES

PART#	DESCRIPTION	QTY LIST
385100	1/4 Replacement Mandrel	10 \$2.26
385101	1/4-20 to 3/8-24 Adapter	1 \$19.65
385103	1/4-20 to 7/16-20 Adapter	1 \$21.05
385102	1/4-20 to 5/8-11 Adapter	
1	\$21.05	Prince .





IN THE KNOW...

What are the arbor adapters and how are they used?

Most all quick-change discs are used with airdriven, pneumatic tools having a 1/4" chuck or collet. By inserting our adapter into the pad in place of mandrel will allow the holder pad to mount directly on a tool having a male threaded spindle. For example, attaching the 5/8"-11 arbor adapter (Part #385102) will allow a holder pad to mount directly to the threaded spindle of a 4-1/2" right angle grinder. Try it and you'll be amazed at the grinding ability of a 3" or 4" diameter disc when used on such a powerful tool!



Note: All holder pads are supplied with a 1/4" threaded mandrel, Part #385100.



NON-WOVEN ABRASIVES





The surface condition of any part or product, whether for appearance or functionality, is a vital factor in meeting today's exacting expectations and competitive standards. Manufacturers worldwide devote significant attention to deburring, finishing and polishing methods to produce the cosmetic appearance that their customers demand. Today, many have learned to rely on non-woven abrasives. The three-dimensional construction of these abrasives has functional characteristics and a diverse range of performance capabilities that provide distinct advantages over traditional coated abrasives in many applications.

THE MARVEL ADVANTAGE:

- » Produce a consistent, uniform performance throughout the functional life of the product
- » Are flexible, allowing the material to adapt and conform to contours and irregular surfaces
- » Have the ability to control the rate of stock removal is easily managed because the abrasive cutting action is constant
- » Are water-resistant and non-metallic so they can be used wet or dry and will not rust or contaminate in any way
- » Have open construction which naturally resists loading and permits air circulation for cool operation

SURFACE CONDITIONING DISCS AND ACCESSORIES

Surface conditioning materials feature a threedimensional distribution of grain within a nylon web matrix and reinforced with a tightly woven fabric backing (scrim) that produces a firm, yet flexible heavy-duty material which is capable of withstanding aggressive use. A thick coating of evenly spread grain is securely bonded to deliver a consistent, uniform finishing action for the entire life of the product. Popular uses include light to medium edge deburring, grind mark, weld spatter and gasket removal, surface preparation prior to coating and removal of surface rust, corrosion, paint and contaminates. Excellent for use on a wide range of materials, including carbon-based alloys, aluminum and stainless steel.



IN THE KNOW...

Why consider the Heavy-Duty "HD" surface conditioning material option?

Heavy-duty grades (coarse and medium only) are made with high-performance, ceramic-coated aluminum oxide grain and secured to the nylon webbing with a robust phenolic resin system. These discs are designed to deliver enhanced aggression and extended service life versus the standard grade equivalent, resulting in an excellent value for the cost.







TVDEC

364111-02

QUICK-CHANGE SURFACE CONDITIONING DISCS

- » Mechanical locking discs mount quickly and securely to like-sized pad systems
- » Popular for use on pistol-gripped pneumatic air tools and angle grinders
- » Excellent for reaching confined and hard-toreach areas
- » Small diameter discs (1-1/2" thru 4") are available with Type R and Type S fastening systems
- » Large diameter discs (4" thru 7") are offered with a 5/8"-11 Type S metal fastener which can mount directly to a threaded spindle when using a conventional resin fibre disc back-up pad

TYPE R				-	
PART#	SIZE	GRIT	COLOR	QTY	LIST
363116-02	11/2	HD CRS	Dk Brown	100	\$0.98
363119-02	11/2	HD MED	Dk Maroon	100	\$0.95
363102-02	11/2	A CRS	Brown	100	\$.092
363101-02	11/2	A MED	Maroon	100	\$0.90
363100-02	11/2	A VFN	Blue	100	\$0.88
363099-02	11/2	S UFN	Grey	100	\$0.95
PART#	SIZE	GRIT	COLOR	QTY	LIST
363120-02	2	HD CRS	Dk Brown	50	\$1.34
363122-02	2	HD MED	Dk Maroon	50	\$1.29
363106-02	2	A CRS	Brown	50	\$1.27
363105-02	2	A MED	Maroon	50	\$1.23
363104-02	2	A VFN	Blue	50	\$1.14
363103-02	2	S UFN	Grey	50	\$1.39
PART#		CDIT	COLOR	QTY	LIST
PARI#	SIZE	GRIT	COLOR	QIY	LIST
363123-02	SIZE 3	HD CRS	Dk Brown	25	\$2.42
363123-02	3	HD CRS	Dk Brown	25	\$2.42
363123-02 363121-02	3	HD CRS HD MED	Dk Brown Dk Maroon	25 25	\$2.42 \$2.31
363123-02 363121-02 363110-02	3 3 3	HD CRS HD MED A CRS	Dk Brown Dk Maroon Brown	25 25 25	\$2.42 \$2.31 \$2.29
363123-02 363121-02 363110-02 363109-02	3 3 3 3	HD CRS HD MED A CRS A MED	Dk Brown Dk Maroon Brown Maroon	25 25 25 25 25	\$2.42 \$2.31 \$2.29 \$2.24
363123-02 363121-02 363110-02 363109-02 363108-02	3 3 3 3	HD CRS HD MED A CRS A MED A VFN	Dk Brown Dk Maroon Brown Maroon Blue	25 25 25 25 25 25	\$2.42 \$2.31 \$2.29 \$2.24 \$2.19
363123-02 363121-02 363110-02 363109-02 363108-02 363107-02	3 3 3 3 3 3	HD CRS HD MED A CRS A MED A VFN S UFN	Dk Brown Dk Maroon Brown Maroon Blue Grey	25 25 25 25 25 25 25 25	\$2.42 \$2.31 \$2.29 \$2.24 \$2.19 \$2.51
363123-02 363121-02 363110-02 363109-02 363108-02 363107-02	3 3 3 3 3 3 SIZE	HD CRS HD MED A CRS A MED A VFN S UFN	Dk Brown Dk Maroon Brown Maroon Blue Grey	25 25 25 25 25 25 25	\$2.42 \$2.31 \$2.29 \$2.24 \$2.19 \$2.51
363123-02 363121-02 363110-02 363109-02 363108-02 363107-02 PART# 363124-02	3 3 3 3 3 3 SIZE 4	HD CRS HD MED A CRS A MED A VFN S UFN GRIT HD CRS	Dk Brown Dk Maroon Brown Maroon Blue Grey COLOR Dk Brown	25 25 25 25 25 25 25 25 25	\$2.42 \$2.31 \$2.29 \$2.24 \$2.19 \$2.51 LIST \$4.96
363123-02 363121-02 363110-02 363109-02 363108-02 363107-02 PART# 363124-02 363125-02	3 3 3 3 3 3 SIZE 4	HD CRS HD MED A CRS A MED A VFN S UFN GRIT HD CRS HD MED	Dk Brown Dk Maroon Brown Maroon Blue Grey COLOR Dk Brown Dk Maroon	25 25 25 25 25 25 25 27 25 25	\$2.42 \$2.31 \$2.29 \$2.24 \$2.19 \$2.51 LIST \$4.96 \$3.75
363123-02 363121-02 363110-02 363109-02 363108-02 363107-02 PART# 363124-02 363125-02 363114-02	3 3 3 3 3 3 SIZE 4 4	HD CRS HD MED A CRS A MED A VFN S UFN GRIT HD CRS HD MED A CRS	Dk Brown Dk Maroon Brown Maroon Blue Grey COLOR Dk Brown Dk Maroon Brown	25 25 25 25 25 25 25 25 25 25 25 25 25	\$2.42 \$2.31 \$2.29 \$2.24 \$2.19 \$2.51 LIST \$4.96 \$3.75 \$3.50

TYPE S					
PART#	SIZE	GRIT	COLOR	QTY	LIST
364116-02	11/2	HD CRS	Dk Brown	100	\$1.00
364119-02	11/2	HD MED	Dk Maroon	100	\$0.97
364102-02	11/2	A CRS	Brown	100	\$0.93
364101-02	11/2	A MED	Maroon	100	\$0.91
364100-02	11/2	A VFN	Blue	100	\$0.89
364099-02	11/2	S UFN	Grey	100	\$1.04
PART#	SIZE	GRIT	COLOR	QTY	LIST
364120-02	2	HD CRS	Dk Brown	50	\$1.43
364122-02	2	HD MED	Dk Maroon	50	\$1.38
364106-02	2	A CRS	Brown	50	\$1.38
364105-02	2	A MED	Maroon	50	\$1.34
364104-02	2	A VFN	Blue	50	\$1.23
364103-02	2	S UFN	Grey	50	\$1.48
PART#	SIZE	GRIT	COLOR	QTY	LIST
364123-02	3	HD CRS	Dk Brown	25	\$2.59
364121-02	3	HD MED	Dk Maroon	25	\$2.47
364110-02	3	A CRS	Brown	25	\$2.54
364109-02	3	A MED	Maroon	25	\$2.44
364108-02	3	A VFN	Blue	25	\$2.35
364107-02	3	S UFN	Grey	25	\$2.68
		GRIT	COLOR	QTY	LIST
364124-02	4	HD CRS	Dk Brown	25	\$5.12
364125-02	4		Dk Maroon	25	\$3.94
364114-02	4	A CRS	Brown	25	\$3.68
364113-02	4	A MED	Maroon		\$3.90
364112-02	4	A VFN	Blue	25	\$3.47
	PART# 364116-02 364102-02 364101-02 364100-02 364099-02 PART# 364120-02 364105-02 364103-02 PART# 364123-02 364101-02 364109-02 364109-02 364107-02 PART# 364124-02 3641125-02 364113-02	PART# SIZE 364116-02 1½ 364102-02 1½ 364101-02 1½ 364100-02 1½ 364099-02 1½ PART# SIZE 364120-02 2 364105-02 2 364103-02 2 PART# SIZE 364123-02 3 364104-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 3 364109-02 4 364125-02 4 364125-02 4 364114-02 4 364113-02 4	PART# SIZE GRIT 364116-02 1½ HD CRS 364102-02 1½ A CRS 364101-02 1½ A WED 364100-02 1½ A VFN 364099-02 1½ S UFN PART# SIZE GRIT 364120-02 2 HD CRS 364105-02 2 A CRS 364103-02 2 A VFN 364103-02 2 S UFN PART# SIZE GRIT 364123-02 3 HD CRS 364121-02 3 HD MED 364109-02 3 A CRS 364109-02 3 A CRS 364109-02 3 A MED 364109-02 3 A VFN 364109-02 4 HD MED 364125-02 4 HD MED 364125-02 4 HD MED 364125-02 4 HD MED 364114-02 4 A CRS 364113-02 4 A CRS 364113-02 4 A CRS	PART# SIZE GRIT COLOR 364116-02 1½ HD CRS Dk Brown 364119-02 1½ HD MED Dk Maroon 364102-02 1½ A CRS Brown 364101-02 1½ A WFN Blue 364100-02 1½ A VFN Blue 364099-02 1½ S UFN Grey PART# SIZE GRIT COLOR 364120-02 2 HD CRS Dk Brown 364122-02 2 HD MED Dk Maroon 364105-02 2 A VFN Blue 364103-02 2 A VFN Blue 364103-02 3 HD CRS Dk Brown 364123-02 3 HD CRS Dk Brown 364109-02 3 A CRS Brown 364109-02 3 A VFN Blue 364107-02 3 S UFN Grey PART# SIZE GRIT COLOR 364124	PART# SIZE GRIT COLOR QTY 364116-02 1½ HD CRS Dk Brown 100 364119-02 1½ HD MED Dk Maroon 100 364102-02 1½ A CRS Brown 100 364101-02 1½ A WED Maroon 100 364100-02 1½ A VFN Blue 100 364120-02 1½ S UFN Grey 100 PART# SIZE GRIT COLOR QTY 364120-02 2 HD CRS Dk Brown 50 364122-02 2 HD MED Dk Maroon 50 364105-02 2 A VFN Blue 50 364103-02 2 S UFN Grey 50 PART# SIZE GRIT COLOR QTY 364123-02 3 HD CRS Dk Brown 25 364110-02 3 A CRS Brown 25 364109-02 3 </td

S UFN

CROSS-	·KEFERENCI	
CONVENTIO	NAL GRIT R	ANGE
Surface Conditioning Material Grade	Color	Equivalent Surface Finish
Heavy Duty Coarse	.Dk Brown	50-60
Heavy Duty Medium	.Dk Maroon	60-80
AO Coarse	.Brown	80
AO Medium	.Maroon	100-120
AO Very Fine	.Blue	180-240
AO Ultra Fine	.Grey	280-320

Grey

25

\$4.25

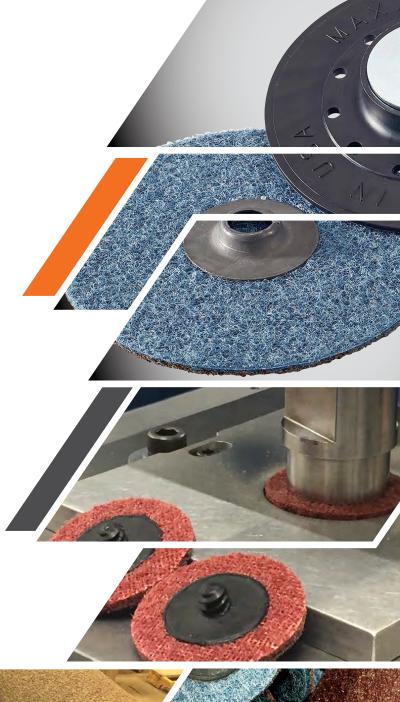




LARGE DIAMETER 5/8"-11 TYPE-S

PART#	SIZE	GRIT	COLOR	QTY	LIST
362300-02	4	HD CRS	Dk Brown	25	\$4.61
362302-02	4	HD MED	Dk Maroon	25	\$4.18
362301-02	4	A CRS	Brown	25	\$3.71
362303-02	4	A MED	Maroon	25	\$3.57
362304-02	4	A VFN	Blue	25	\$3.46
362305-02	4	S UFN	Grey	25	\$3.76
PART#	SIZE	GRIT	COLOR	QTY	LIST
362018-02	41/2	HD CRS	Dk Brown	10	\$4.84
362017-02	41/2	HD MED	Dk Maroon	10	\$4.65
362346-02	41/2	A CRS	Brown	10	\$4.13
362345-02	41/2	A MED	Maroon	10	\$4.00
362344-02	41/2	A VFN	Blue	10	\$3.84
362343-02	41/2	S UFN	Grey	10	\$4.63
PART#	SIZE	GRIT	COLOR	QTY	LIST
PART# 362012-02	SIZE 5	GRIT HD CRS	COLOR Dk Brown	QTY	LIST \$6.31
. ,					
362012-02	5	HD CRS	Dk Brown	10	\$6.31
362012-02 362010-02	5 5	HD CRS HD MED	Dk Brown Dk Maroon	10 10	\$6.31 \$5.84
362012-02 362010-02 362327-02	5 5 5	HD CRS HD MED A CRS	Dk Brown Dk Maroon Brown	10 10 10	\$6.31 \$5.84 \$5.11
362012-02 362010-02 362327-02 362326-02	5 5 5 5	HD CRS HD MED A CRS A MED	Dk Brown Dk Maroon Brown Maroon	10 10 10 10	\$6.31 \$5.84 \$5.11 \$4.71
362012-02 362010-02 362327-02 362326-02 362325-02	5 5 5 5 5	HD CRS HD MED A CRS A MED A VFN	Dk Brown Dk Maroon Brown Maroon Blue	10 10 10 10 10	\$6.31 \$5.84 \$5.11 \$4.71 \$4.57
362012-02 362010-02 362327-02 362326-02 362325-02 362324-02	5 5 5 5 5 5	HD CRS HD MED A CRS A MED A VFN S UFN	Dk Brown Dk Maroon Brown Maroon Blue Grey	10 10 10 10 10 10	\$6.31 \$5.84 \$5.11 \$4.71 \$4.57 \$4.97
362012-02 362010-02 362327-02 362326-02 362325-02 362324-02 PART#	5 5 5 5 5 5 5	HD CRS HD MED A CRS A MED A VFN S UFN	Dk Brown Dk Maroon Brown Maroon Blue Grey	10 10 10 10 10 10	\$6.31 \$5.84 \$5.11 \$4.71 \$4.57 \$4.97
362012-02 362010-02 362327-02 362326-02 362325-02 362324-02 PART# 362015-02	5 5 5 5 5 5 5 7	HD CRS HD MED A CRS A MED A VFN S UFN GRIT HD CRS	Dk Brown Dk Maroon Brown Maroon Blue Grey COLOR Dk Brown	10 10 10 10 10 10 10	\$6.31 \$5.84 \$5.11 \$4.71 \$4.57 \$4.97
362012-02 362010-02 362327-02 362325-02 362324-02 PART# 362015-02 362016-02	5 5 5 5 5 5 5 5 7	HD CRS HD MED A CRS A MED A VFN S UFN GRIT HD CRS HD MED	Dk Brown Dk Maroon Brown Maroon Blue Grey COLOR Dk Brown Dk Maroon	10 10 10 10 10 10 10 QTY 10	\$6.31 \$5.84 \$5.11 \$4.71 \$4.57 \$4.97 LIST \$9.61 \$9.54
362012-02 362010-02 362327-02 362326-02 362325-02 362324-02 PART# 362015-02 362016-02 362350-02	5 5 5 5 5 5 5 7 7	HD CRS HD MED A CRS A MED A VFN S UFN GRIT HD CRS HD MED A CRS	Dk Brown Dk Maroon Brown Maroon Blue Grey COLOR Dk Brown Dk Maroon Brown	10 10 10 10 10 10 10 10 10 10	\$6.31 \$5.84 \$5.11 \$4.71 \$4.57 \$4.97 LIST \$9.61 \$9.54 \$8.62

Note: All quick-change discs must be used on a like-sized back-up $\,$ pad system. These back-up pad product offerings can be found on Page 78 through 80.









HOOK & LOOP STYLE SURFACE CONDITIONING DISCS

- » The loop attachment system on the back of the disc mounts quickly and securely to the hook fastening system on a like-sized gripper pad
- » For use on angle grinders. Provide additional surface area engagement to maximize full use of the disc
- » Excellent choice for applications calling for spacious areas of surface preparation

WITH NO ARBOR HOLE

362116-02 41/2 A VFN

362115-02 41/2 S UFN

PART#	SIZE	GRIT	COLOR	QTY	LIST
362001-02	4	HD CRS	Dk Brown	20	\$4.35
362003-02	4	HD MED	Dk Maroon	20	\$3.17
362114-02	4	A CRS	Brown	20	\$2.96
362113-02	4	A MED	Maroon	20	\$2.80
362112-02	4	A VFN	Blue	20	\$2.69
362111-02	4	S UFN	Grey	20	\$3.00
PART#	SIZE	GRIT	COLOR	QTY	LIST
362008-02	41/2	HD CRS	Dk Brown	20	\$4.38
362007-02	41/2	D MED	Dk Maroon	20	\$3.96
362118-02	41/2	A CRS	Brown	20	\$3.87
362117-02	41/2	A MED	Maroon	20	\$3.75

Blue

Grey

20

20

\$3.50

\$4.00

PART#	SIZE	GRIT	COLOR	QTY	LIST
362002-02	5	HD CRS	Dk Brown	20	\$5.97
362000-02	5	HD MED	Dk Maroon	20	\$5.63
362122-02	5	A CRS	Brown	20	\$5.20
362121-02	5	A MED	Maroon	20	\$5.00
362120-02	5	A VFN	Blue	20	\$4.50
362119-02	5	S UFN	Grey	20	\$5.25
PART#	SIZE	GRIT	COLOR	QTY	LIST
PART# 362005-02	SIZE 7	GRIT HD CRS	COLOR Dk Brown	QTY	LIST \$9.20
		GI III			
362005-02	7	HD CRS	Dk Brown	10	\$9.20
362005-02 362006-02	7	HD CRS HD MED	Dk Brown Dk Maroon	10 10	\$9.20 \$9.02
362005-02 362006-02 362130-02	7 7 7	HD CRS HD MED A CRS	Dk Brown Dk Maroon Brown	10 10 10	\$9.20 \$9.02 \$8.45











WITH 7/8" ARBOR HOLE

PART#	SIZE	GRIT	COLOR	QTY	LIST
362439-02	4	HD CRS	Dk Brown	20	\$4.35
362437-02	4	HD MED	Dk Maroon	20	\$3.17
362438-02	4	A CRS	Brown	20	\$2.96
362436-02	4	A MED	Maroon	20	\$2.80
362435-02	4	A VFN	Blue	20	\$2.69
362434-02	4	S UFN	Grey	20	\$3.00
PART#	SIZE	GRIT	COLOR	QTY	LIST
362351-02	41/2	HD CRS	Dk Brown	20	\$4.38
362341-02	41/2	HD MED	Dk Maroon	20	\$3.96
362317-02	41/2	A CRS	Brown	20	\$3.87
362318-02	41/2	A MED	Maroon	20	\$3.75
362319-02	41/2	A VFN	Blue	20	\$3.50
362316-02	41/2	S UFN	Grey	20	\$4.00
PART#	SIZE	GRIT	COLOR	QTY	LIST
362340-02	5	HD CRS	Dk Brown	20	\$5.97
362339-02	5	HD MED	Dk Maroon	20	\$5.63
362322-02	5	A CRS	Brown	20	\$5.20
362321-02	5	A MED	Maroon	20	\$5.00
362320-02	5	A VFN	Blue	20	\$4.50
362311-02	5	S UFN	Grey	20	\$5.25

IN THE KNOW...

Discs with 7/8" arbor hole can be secured to a resin fibre disc back-up pad using a centering pad nut or on a Marvel-designed gripper pad having a 7/8"centering post. (Only available in 4-1/2", 5" and 7" pad diameters).

This system is highly recommended and preferred as it quickly assembles, automatically centers the disc, runs vibration-free and eliminates premature disc detachment during use.

Note: The height of the centering post is less than the thickness of the surface conditioning disc and will not contact the work surface.

PART#	SIZE	GRIT	COLOR	QTY	LIST
362335-02	7	HD CRS	Dk Brown	10	\$9.20
362336-02	7	HD MED	Dk Maroon	10	\$9.02
362330-02	7	A CRS	Brown	10	\$8.45
362337-02	7	A MED	Maroon	10	\$8.30
362338-02	7	A VFN	Blue	10	\$8.10
362331-02	7	S UFN	Grey	10	\$8.50

WITH 3/8" ARBOR HOLE

PART#	SIZE	GRIT	COLOR	QTY	LIST
362420-02	41/2	HD CRS	Dk Brown	20	\$4.38
362419-02	41/2	HD MED	Dk Maroon	20	\$3.96
362418-02	41/2	A CRS	Brown	20	\$3.87
362417-02	41/2	A MED	Maroon	20	\$3.75
362416-02	41/2	A VFN	Blue	20	\$3.50











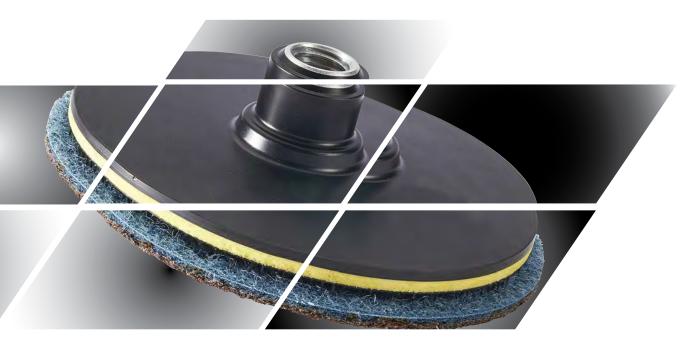
STANDARD PAD - Solid Surface

PART#	SIZE	ARBOR	MAX RPM	QT	Y LIST
391103	4	1/4 Shank	13,000	1	\$17.24
393108	4	5/8-11	13,000	1	\$31.55
393100	41/2	5/8-11	12,000	1	\$32.00
393101	5	5/8-11	10,000	1	\$32.40
393103	7	5/8-11	6,000	1	\$32.79

7/8" CENTER POST PAD - 7/8" Arbor Hole

PART#	SIZE	ARBOR	MAX RPM	QTY LIST
392100	41/2	5/8-11	12,000	1 \$35.51
392101	5	5/8-11	10,000	1 \$35.80
392103	7	5/2-11	6,000	1 \$36.42







SEMI-FLEXIBLE DISCS



SEMI-FLEXIBLE DISCS

The spiraled, multi-layered abrasive grain coating and heavy-duty fibre backing construction of this rugged disc creates a durability not found in most any other coated abrasive product.

- » The unique spiral rib grain pattern provides a fast, cool-cutting action and serves to eliminate "loading" of removed material from the disc surface
- » Grinds and finishes in one operation
- » Produces results similar to those of a resin bonded cup wheel

Aluminum Oxide

Tough, durable mineral is particularly recommended for metalworking applications such as carbon based alloys, stainless steels, iron, bronze and aluminum.

Silicon Carbide

Sharp, hard mineral is ideal for grinding non-ferrous materials such as marble, granite, terrazzo, concrete, china, clay, enamels, porcelain and especially fiberglass.

Aluminum Oxide

PART#	SIZE	GRIT	QTY	LIST
171405	$4\frac{1}{2} \times \frac{7}{8}$	16	25	\$7.70
171410	$4\frac{1}{2} \times \frac{7}{8}$	24	25	\$7.70
171415	$4\frac{1}{2} \times \frac{7}{8}$	36	25	\$7.70
PART#	SIZE	GRIT	QTY	LIST
171705	$7 \times \frac{7}{8}$	16	25	\$11.04
171710	$7 \times \frac{7}{8}$	24	25	\$11.04
171715	$7 \times \frac{7}{8}$	36	25	\$11.04

Silicon Carbide

PART#	SIZE	GRIT	QTY	LIST
172405	$4\frac{1}{2} \times \frac{7}{8}$	16	25	\$7.09
172410	$4\frac{1}{2} \times \frac{7}{8}$	24	25	\$7.09
172415	$4\frac{1}{2} \times \frac{7}{8}$	36	25	\$7.09
PART#	SIZE	GRIT	QTY	LIST
172705	$7 \times \frac{7}{8}$	16	25	\$9.19
172710	$7 \times \frac{7}{8}$	24	25	\$9.19
172715	7 × ⁷ / ₈	36	25	\$9.19

SAFETY RECOMMENDATIONS

- » Do not exceed maximum RPM rating printed on backside of disc and noted below:
- » 4-1/2 x 7/8 MAX RPM 12,000
- » 7 x 7/8 MAX RPM 8,500
- » All semi-flexible discs must be used with appropriate-sized back-up pads





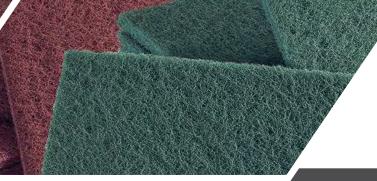
CLEAN AND FINISH

The most flexible form of non-woven abrasives. These products are especially practical for surface preparation and finishing while controlling stock removal. Extremely conformable and best suited for low speed, low pressure applications. Can be used effectively on most any material, including metal, wood, plastic and composites.

HAND PADS

Clean & Finish Hand Pads are available in a variety of grades to satisfy applications ranging from ultra fine finishes to aggressive surface cleaning. They are cost-efficient alternatives to abrasive forms such as steel wool, emery cloth and coated abrasive papers.





CHOOS HEI ENEME	L CONVE	THOMAL GIVIT IV HAG
Material Grade	Color	Equivalent Surface Finish
A Heavy Duty	Tan	100
S Medium	Black	120
AO Medium	Maroon	120
AO Fine	Maroon	180
A VFN/Premium	Maroon	320
A VFN/Economy	Maroon	320
General Purpose	Green	320
S UFN	Grey	600
Non-Abrasive	White	None

HEAVY-DUTY EXTRA CUT:

Very high concentration of abrasive grain. Designed for demanding applications requiring rugged durability and aggressive abrading action.

S MEDIUM:

Combines the knife-like cutting capabilities of the silicon carbide grain with a thick, firm pad. Excellent for metal finishing applications, heavy oxide removal and stainless steel.

A VERY FINE:

The standard of the industry. Extremely popular for its combination of toughness, reliable performance and overall versatility. Available in both premium and economy grades.

GENERAL PURPOSE:

This general purpose grade hand pad will accommodate a broad range of performance requirements at an economical price. Recommended for light-duty cleaning and finishing applications.

S ULTRA FINE:

Infused with knife-life silicon carbide grain that provides a clean, ultra fine cutting action and surface finish. Especially suited for fine finishing and light cleaning of metal, plastic, fiberglass and wood surfaces.

NON-ABRASIVES:

Constructed with a non-abrasive material suitable for cleaning sensitive and delicate surfaces. These hand pads are also extremely useful as compound carriers.

PART#	SIZE	GRIT	QTY	LIST
368104	6 x 9	A Heavy Duty	60	\$211.39
368103	6 x 9	S Medium	60	\$140.94
368102	6 x 9	A VFN/Premium	60	\$103.27
368116	6 x 9	A VFN/Economy	60	\$80.43
368105	6 x 9	General Purpose	60	\$81.02
368101	6 x 9	S UFN	60	\$102.65
368100	6 x 9	Non-Abrasive	60	\$84.60

Quantity is per case. Ask about our special pallet quantity discount.

MARVELStrip[™] DISCS





MARVELStrip™ DISCS

Made with an open web-like structure of heavyduty synthetic fibres and coarse silicon carbide abrasive grain, bonded together by a smearresistant resin system, MARVEL $\mathit{Strip}^{^{\mathrm{TM}}}$ discs will quickly and aggressively clean with little or no loading.

- » Rapid removal of weld scale, spatter and oxidation
- » Satin finishing
- » Surface cleaning of loading materials such as paint, salt, rust, grease, adhesives and protective waxes
- » Work surfaces include ferrous and non-ferrous materials, fiberglass, plastics, stone and wood

MARVEL*Strip*™ QUICK-CHANGE DISCS

Very popular abrasive form for this material. Quickly mounts to a Type R quick-change holder pad for use on pneumatic tools. Capable of adapting to contours and irregular surfaces and accessing confined and hard-to-reach areas.

PART#	SIZE	GRIT	COLOR	MAX RPM	QTY	LIST
368700-02	2	HD X CRS	Red	15,500	50	\$4.39
368701-02	3	HD X CRS	Red	12,000	25	\$7.37
368702-02	4	HD X CRS	Red	8.000	10	\$9.90

MARVEL*Strip*™ TYPE 27 DISCS

Type 27 discs feature a MARVEL*Strip*™ disc mounted to a rigid fiberglass backing plate, allowing it to be used on a right angle grinder without the need for a backing pad. The aggressive nature of these tools make these discs the perfect solution for extremely heavy "scrubbing" of large, spacious surface areas. Discs with the 5/8"-11 threaded arbor system mounts quickly to the tool's threaded spindle.

PART#	SIZE	GRIT	COLOR	MAX RPM	QTY	LIST
367505	4½ x 1/8	HD X CRS	Red	11,000	5	\$13.79
367508	4½ x 5/8-11	HD X CRS	Red	11,000	5	\$16.62
367506	5 x ⁷ / ₈	HD X CRS	Red	9,800	5	\$15.23
367509	5 x 5/8-11	HD X CRS	Red	9,800	5	\$16.74
367507	7 x ⁷ / ₈	HD X CRS	Red	7,000	5	\$39.76
367510	7 x 5/8-11	HD X CRS	Red	7,000	5	\$29.28







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08703			24509 33		39363		51313	
08803			2452734		39644		51314	
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14468			2470734		480 5		3301	
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14547			2773751		24365		53323	
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14565			2776147		26365		3353	29
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14568			2793751		34365		3405	
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19211576	35211864	362321-0285	364103-0282	37920178
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19213076	35212164	362325-0283	364106-0282	37920578
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192320 76	35311564	362345-02 83	364123-0282	38310879
19232576	35311664	362346-02 83	364124-0282	38410579
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