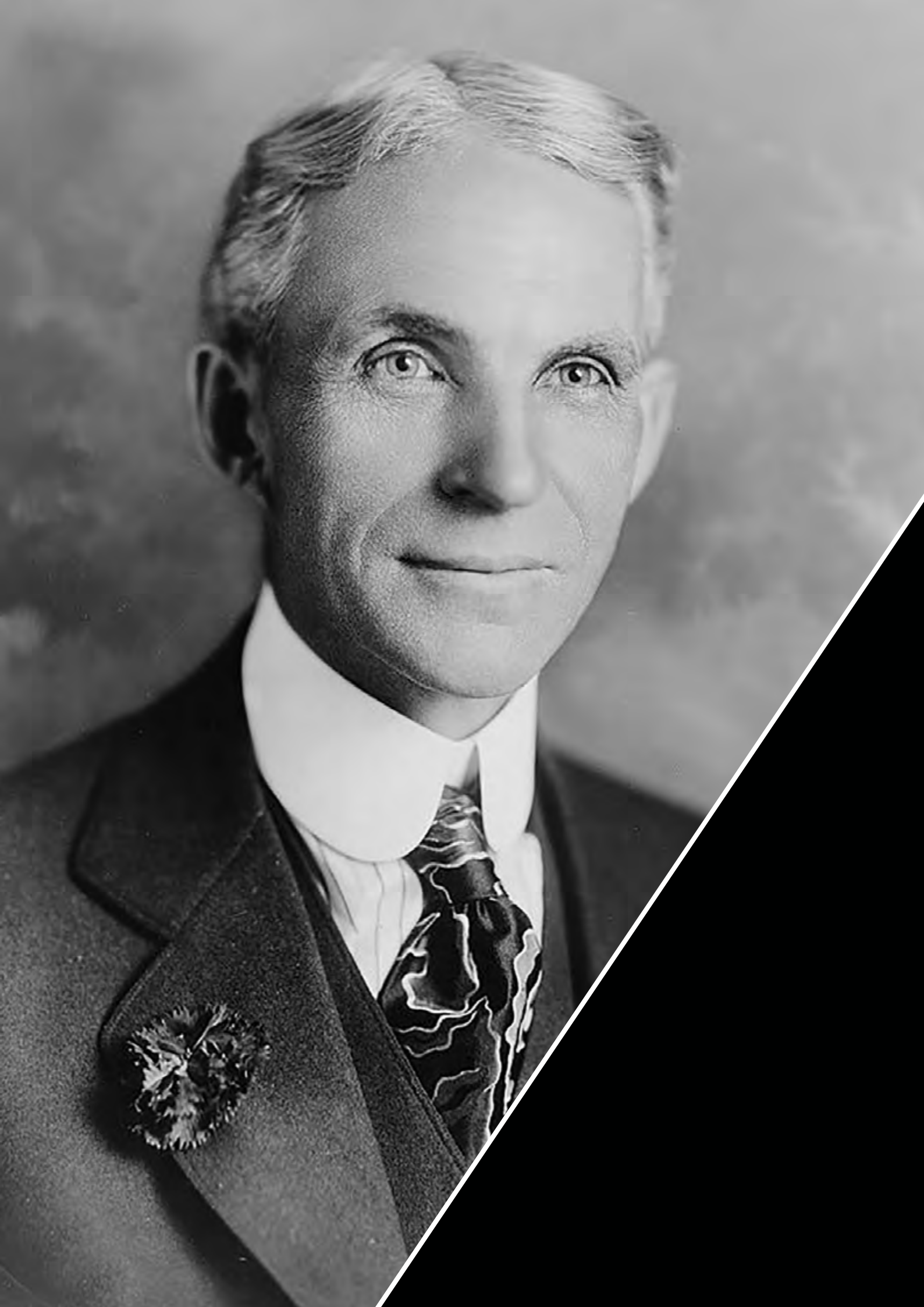


BULLARD) ABRASIVES®

CUTTING | GRINDING | FINISHING
ABRASIVE SOLUTIONS





BULLARD ABRASIVES >

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GENERAL INFORMATION





OUR HERITAGE

Celebrating 96 Years

WHO WE ARE

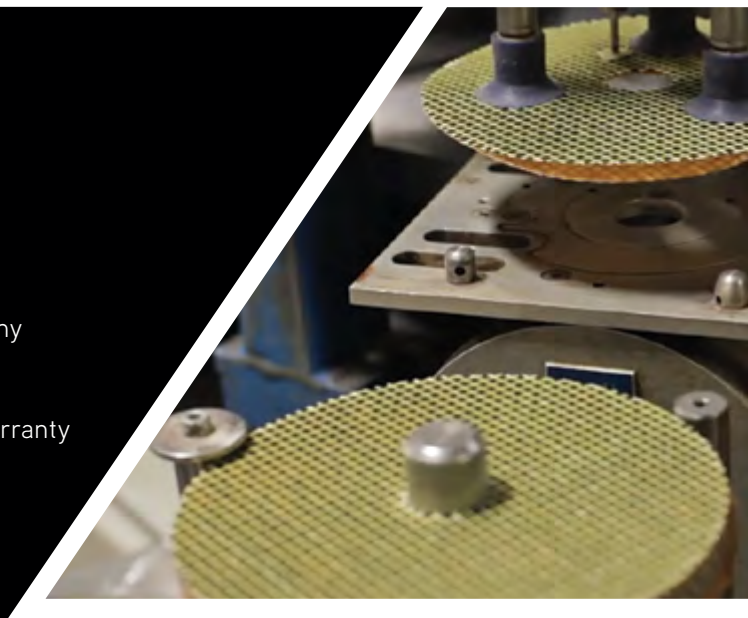
Vision | Mission | Customer Service Philosophy

QUALITY YOU CAN COUNT ON

ISO 9001: 2015 | Total Customer Satisfaction | Warranty

GROUND TRANSIT TIMES - USA

Lincoln, RI | Tampa, FL | Houston, TX



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



Founder, George H. Bullard

OUR HERITAGE

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, 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

SINCE 1927

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 saltwater fishing off Cape Cod. In 1955 he moved to Daytona Beach, Florida. Mr. Bullard passed away in 1962.

Mr. 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 29 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 (Dick), the CEO during Mr. Foley's ownership, acquired Bullard Abrasives and under his stewardship began the process of building a state-of-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 quest 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



First 10 Employees



Bob & Don Bullard

1980's Team

1940's Original Factory

Current Ownership

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 96 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.

As the end of 2022 is closing in, we are introducing our newest Product Catalog and parallel separate Price List Catalog designed to be more streamlined. We have added new products for aluminum applications as well as additional products now available with hubs to meet the industry demand and trends.

As always, we remain steadfast in our mission to deliver the best performance cutting, grinding, and finishing abrasive solutions.



SINCE 1927,
WE HAVE BEEN
HELPING PROS
MASTER THE
DAILY GRIND
BUILDING ON
MADE IN THE
USA



BULLARD) ABRASIVES®

★ 41° 92'
-71° 48'

RHODE ISLAND



WHO WE ARE

We manufacture cutting, grinding and finishing 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, grind and finish 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.

WHERE WE ARE

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!



Bowen's Wharf, Newport



Providence Skyline

AMERICAN MADE



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.



George

Arlo

Frankie

MISSION

Our mission is to design and manufacture the best performing abrasive products and deliver the greatest customer service humanly possible! In support of our mission, we adhere to the following core values:

- » 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

Yes, we are a dog friendly office!



Bailey

Murphy



Gracie

Greta



Arlo



Newport Bridge



Clambake

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 advantages for you and your growing business.



WARRANTY

Bullard Abrasives, Inc. (the “Company”) warrants that all industrial products it manufactures (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.

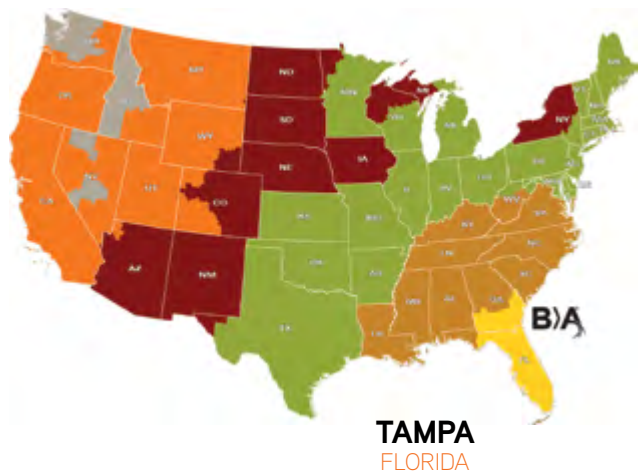
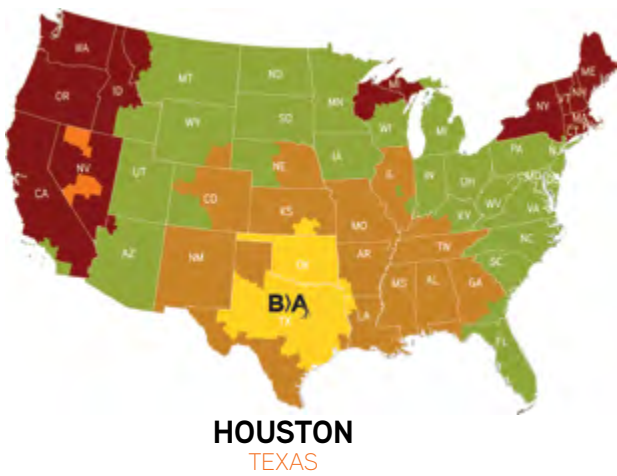
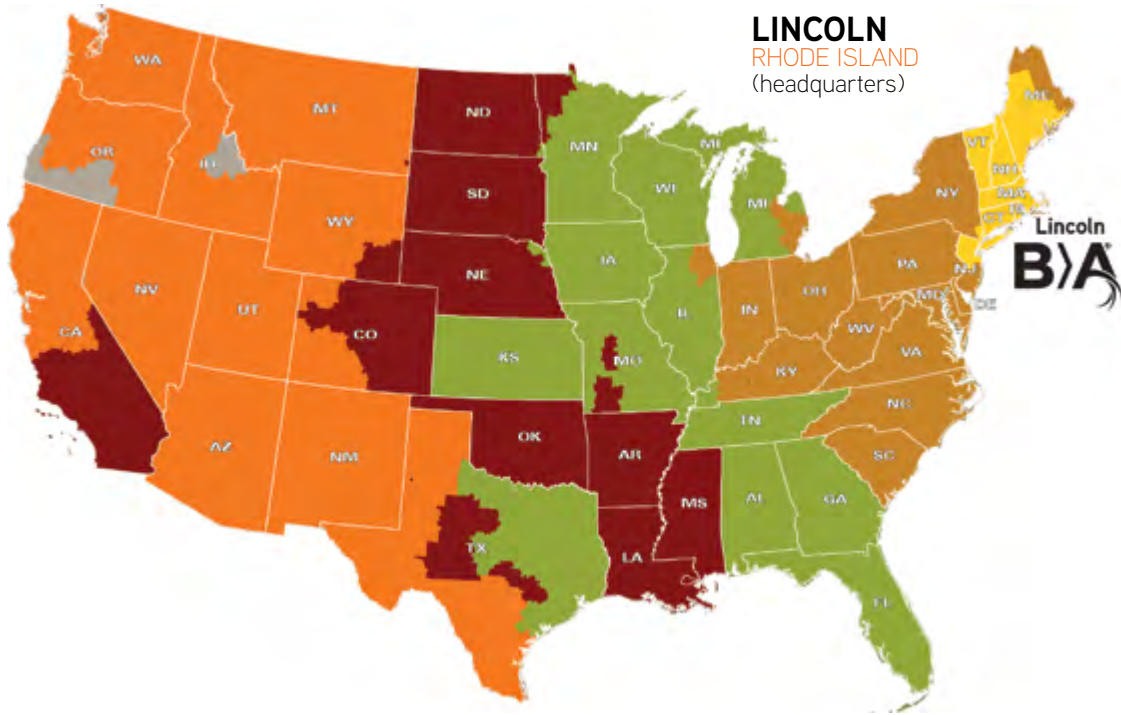
GROUND TRANSIT TIMES

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.

TRANSIT DAYS

- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days

Alaska/Hawaii 5-6 days
International 1-2 weeks





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WHEEL IDENTIFICATION MARKS

- 1 Bullard Abrasives Logo
- 2 Color Coded Application Icon
- 3 The Right Tool Icon
- 4 Safety Icons
- 5 Wheel Description & Type
- 6 Tier Performance Level Icon
- 7 Safety Use Warning
- 8 Made In The United States Icons
- 9 Specifications
 - Size
 - Part Number
 - Max RPM: (Revolutions Per Minute)
 - Spec: Size, Bond & Grain Type



WHEEL TYPES



Type 1

Flat wheel for cutting



Type 27

Depressed center wheel for grinding, notching and cutting



Type 29M

RapidGRIND™ for grinding - rapid material removal



Type 28

Hat shaped wheel for grinding



Type 29

Flap disc for grinding and snagging



COLOR-CODED APPLICATION ICONS

RED: Aluminum oxide grain is used for grinding, notching, blending and cutting off on **FERROUS METALS** (Type 1, 27 and 28)



ORANGE: Specially formulated wheels are used for grinding, notching, and cutting off 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, 27 and 28)



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



- 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+



- 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



- 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, AI46N
- 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



- 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



- 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



TIER LEVELS



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!



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.



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 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.



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.



COMPETITOR cut-off wheels are an entry level, general 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.

GRAINS FOR BONDED ABRASIVES

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.

Aluminum Oxide

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

Zirconia

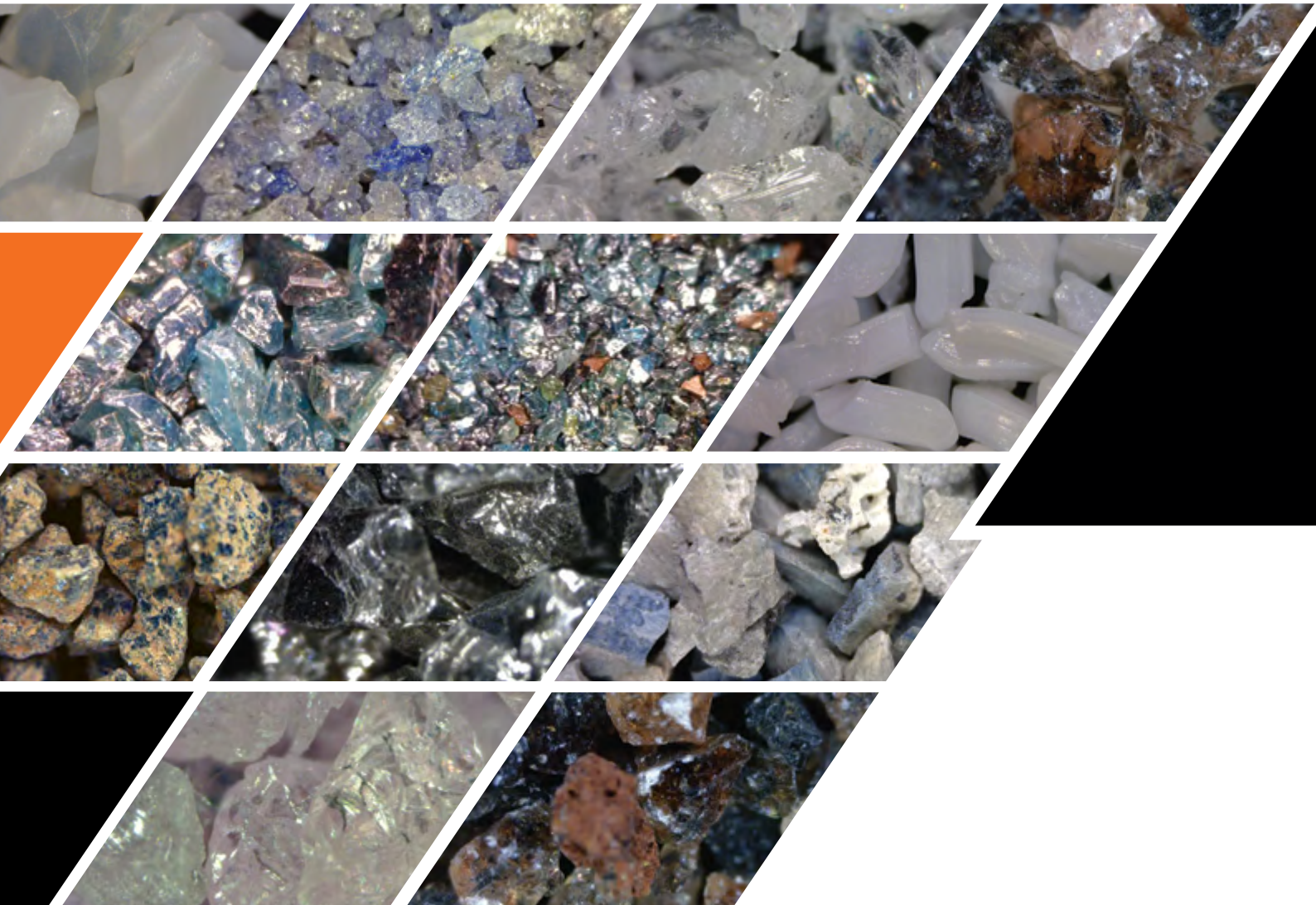
- High performance fused alumina zirconia grain
- Outlasts standard aluminum oxide 3 to 1
- Hard, tough, sharp

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



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
- » **Fine** 70-80

Bond Hardness:

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

Bond Type:

- » **BF** Resinold Fiberglass Reinforced
- » **E** Shellac
- » **R** Rubber
- » **V** Vitrified

FIBERGLASS CONFIGURATIONS

Depending on the job application, one or more layers of fiberglass reinforcement is used to add increased strength and flexibility.

Layer:

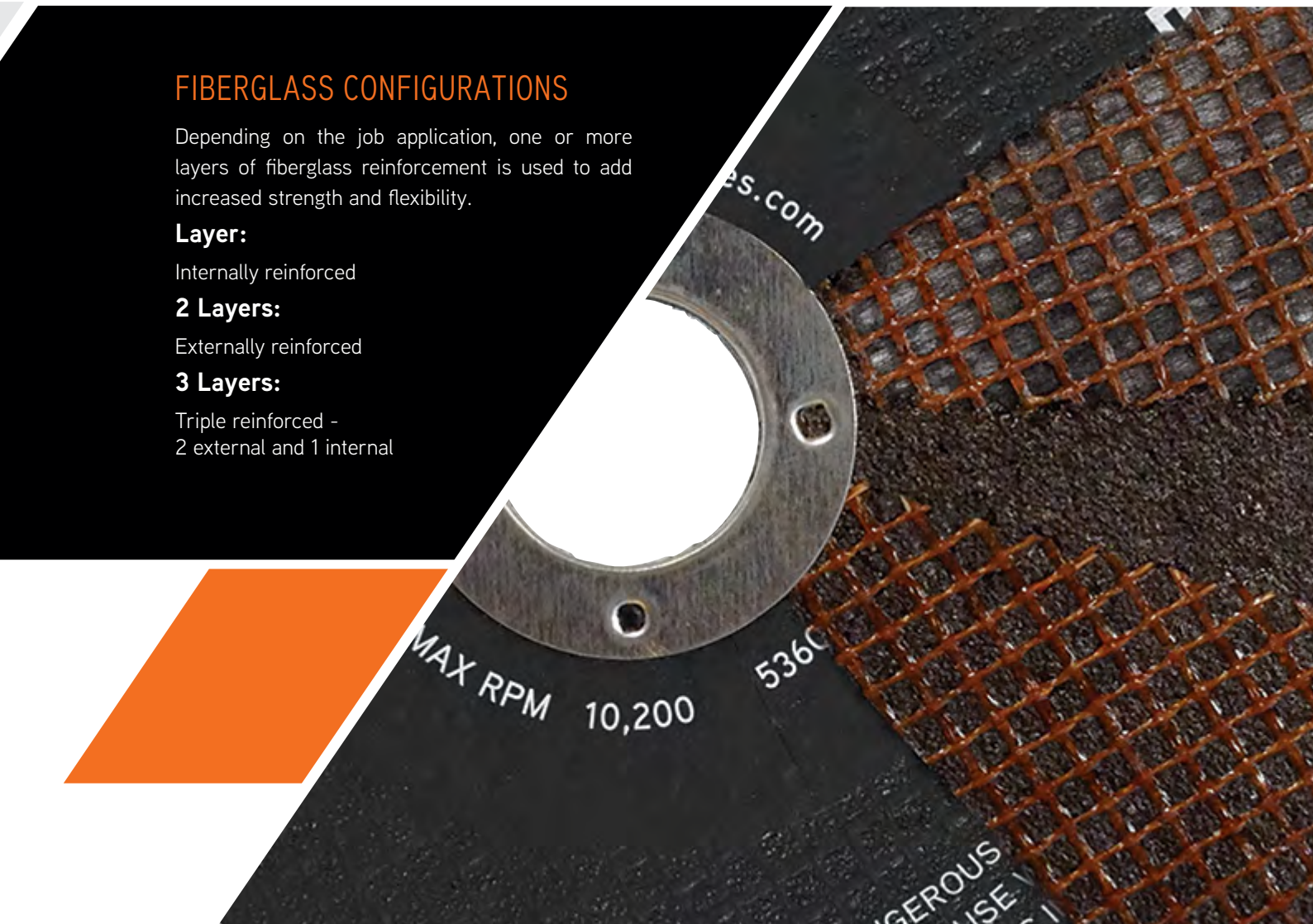
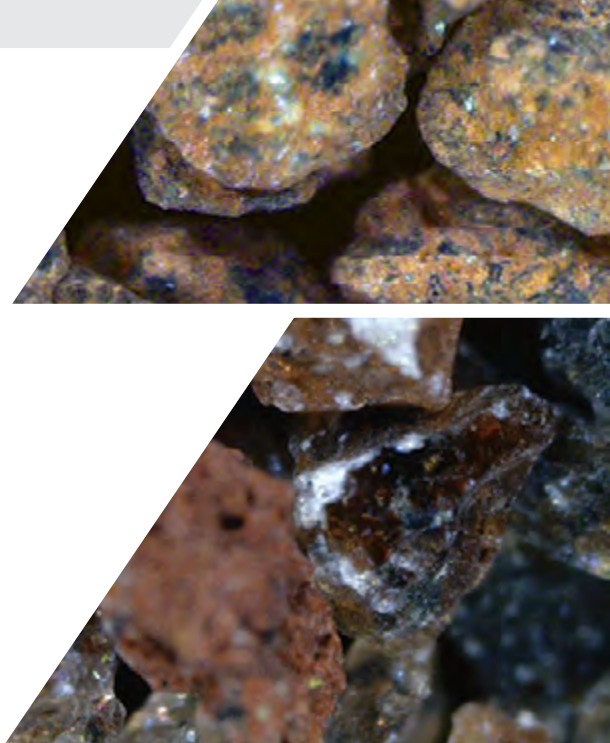
Internally reinforced

2 Layers:

Externally reinforced

3 Layers:

Triple reinforced -
2 external and 1 internal



SAFETY

ALWAYS

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

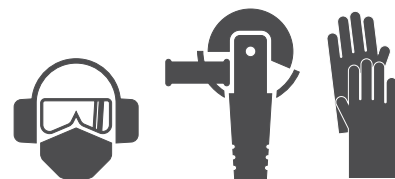
AFTER - STORAGE SAFETY

- » 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.

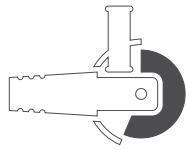
COMMON SENSE RULES:

- » 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
- » Never pile heavy objects on top of wheels



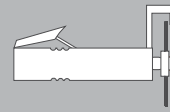
ALWAYS **SAFETY**

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
- » **MarvelStrip™** Discs



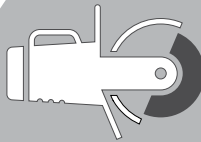
STRAIGHT SHAFT AIR OR ELECTRIC TOOL

- » Type 1 Cut-Off Small Diameter Wheels



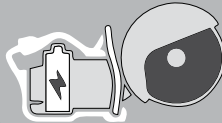
ANGLE AIR DIE GRINDER

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



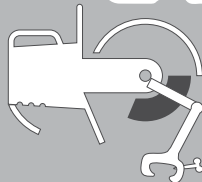
GAS OR ELECTRIC PORTABLE SAW

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



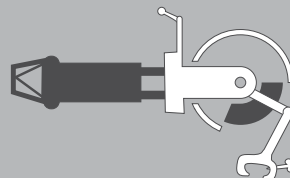
BATTERY POWERED SAW

- » Type 1 Angle Grinder Cut-Off Wheels 5/64" Thick



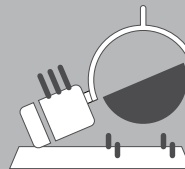
GAS AND HYDRAULIC RAIL SAW

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



CHOP SAW

- » Type 1 Cut-Off Chop Saw Wheels



STATIONARY SAW

- » Type 1 Cut-Off Stationary Saw Wheels



CIRCULAR SAW

- » Type 1 Cut-Off Circular Saw Wheels



WALK-BEHIND STREET SAW

- » Type 1 Cut-Off Street Saw Wheels



Hector Rodriguez
Vice President
Manufacturing + Distribution



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 incorrect wheel specification - too fine grain. To correct this problem, change wheel specification to a course grit or a more open structure to allow clearance of chips.

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 grains become exposed. The cause is using the incorrect wheel and/or faulty operation. The solution is to use coarser grit size - Soft bond for hard material - hard bond for softer material.

What is causing the wheel to break?

Irregular Wheel Breakage is caused by the wheel being damaged in handling or the wheel is jamming. *Chordal Wheel Breakage* is caused by too much side load pressure and *Radial Wheel Breakage* (3 or more pieces) is caused by too much wheel pressure on work surface. Causes could also include wheel jams in work surface, improper wheel mounting or wheel speed is too high.

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

Why is the wheel cutting slowly?

Slow Cut Rate can be caused by the following reasons: Not enough power; Contact area too large; Grit too fine; Wheel too hard; or, not running true. Solutions can include: Increase pressure on feed rate; reduce contact area; use coarser grit, use softer, thinner wheel or check machine spindle and wheel run out.

What causes the work piece to burn?

The wheel is too hard or coarse and/or insufficient feed rate can cause the work piece to burn. Try using finer grit and more power, try working machine at maximum power or go to softer grade wheel.

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

GRINDING

- » 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° angle



Type 27
15° to 30°



Type 29
15° to 30°



Type 28
10° to 30°

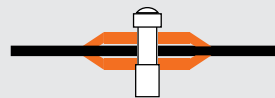


Type 29M
5° to 30°

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



SPECIALTY PRODUCTS



RapidGRIND™
CERAMIC HYBRID GRINDING DISCS



NetGRIND™
NON-LOADING FLAP DISCS



ZIRCO-CERAMIC
FLAP DISCS



RapidGRIND™

CERAMIC HYBRID GRINDING DISC

FASTEST
METAL GRINDING
TOOL IN THE INDUSTRY

RapidGRIND™
CERAMIC HYBRID GRINDING DISC



<https://vimeo.com/378818467>
www.bullardabrasives.com/media



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.

STAINLESS STEEL AND
CARBON STEEL



RapidGRIND™ CERAMIC HYBRID GRINDING DISCS

TYPE 29M



SGA

MAX FORCE+ PERFORMANCE

- » Stainless Steel and Carbon Steel
- » Weld bead removal
- » Surface grinding
- » Edge grinding, deburring, chamfering and beveling
- » Flame-cut steel removal
- » State-of-the-art ceramic grain



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 set-up time
- » *Safe* = Exceeds ANSI B7.1 and International Safety Standards

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.

Diameter	Arbor Hole	SGA	Grit	Max RPM	Box Qty
4-1/2"	7/8"	30423	36	13,300	25
4-1/2"	5/8"-11	30433	36	13,300	10
5"	7/8"	30523	36	12,200	25
5"	5/8"-11	30533	36	12,200	10
6"	7/8"	30623	36	10,200	25
6"	5/8"-11	30633	36	10,200	10
7"	7/8"	30723	36	8,500	25
7"	5/8"-11	30733	36	8,500	10
4-1/2"	7/8"	30423	50	13,300	25
4-1/2"	5/8"-11	30433	50	13,300	10
5"	7/8"	30523	50	12,200	25
5"	5/8"-11	30533	50	12,200	10
6"	7/8"	30623	50	10,200	25
6"	5/8"-11	30633	50	10,200	10
7"	7/8"	30723	50	8,500	25
7"	5/8"-11	30733	50	8,500	10
Adaptor 4-1/2"	7/8"	97503			1

See Flange Adaptor sold separately for all 7/8" wheels. See Page 76 for additional information.

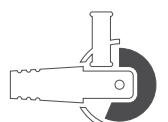


The next generation of our
FASTBACK™ family...



It is our heritage.

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™**.



Performs like *nothing* else!

NetGRIND™

NON-LOADING FLAP DISCS

AFTER ONE MINUTE



NON-LOADING
FLAP DISCS



ZIRCONIA
RESIN FIBRE DISC

Our **NetGRIND™** 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 non-ferrous metals (titanium, 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.

NetGRIND™

NON-LOADING FLAP DISCS



vimeo.com/412438196
www.bullardabrasives.com/media



ALUMINUM, COMPOSITE,
CARBON FIBER, PLASTIC,
WOOD, TITANIUM, COPPER,
ZINC, AND LEAD



NetGRIND™ NON-LOADING FLAP DISCS

TYPE 27

When it comes to grinding and finishing, our **NetGRIND™** 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 Times and Money
- » Practical, Lightweight and 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 post-weld bead removal and/or finishing. Compared to other metals, aluminum has a much lower melting temperature, so it melts easily. Our **NetGRIND™** NON-LOADING FLAP DISCS are your solution.

MAX FORCE Bullard's **NetGRIND™** 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.

Diameter	Arbor Hole	ALU40 ALU60	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34284	40	13,300	10
4-1/2"	5/8"-11	35284	40	13,300	10
4-1/2"	7/8"	34286	60	13,300	10
4-1/2"	5/8"-11	35286	60	13,300	10

INDUSTRIES:

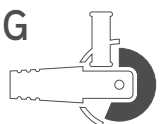
- » Ship Building
- » Automotive
- » Aviation
- » Metal Fabrication
- » Construction
- » Energy
- » Food
- » Technology
- » Woodworking



AFTER ONE MINUTE



NON-LOADING - HEAVY STOCK REMOVAL & SURFACE BLENDING





TAF



TAF
abrasivi



ZIRCO-CERAMIC FLAP DISCS

BLENDED ZIRCO AND
CERAMIC GRAINS FOR...

UNMATCHABLE
PERFORMANCES

The premium zirco-ceramic cloth combines the extremely fast cutting action of the zirconium together with the longer lasting life of ceramic grains.

FAST STOCK REMOVAL

WITH EXCEPTIONAL LONG WORKING LIFE



TITANIUM | STAINLESS STEEL | FORGED METALS | CARBON STEEL | EXOTIC METALS

CARBON STEEL, STAINLESS
STEEL, EXOTIC METALS,
ALUMINUM, TITANIUM



flap discs ZIRCO-CERAMIC

MEDIUM DUTY

ZIRCO-CERAMIC FLAP DISCS

FIBERGLASS BACKING

These flap discs are manufactured using a top size cloth bonded with a mixture of zirconium and ceramic grains. This special combination of high quality materials emphasizes its very fast stock removal rates coupled with an exceptional working life. In addition, these discs offer high temperature resistance at medium/high working pressure. They are suitable for stainless steel, forged metals, carbon steel and exotic metals. Particularly recommended for applications on titanium. The blue color cloth is free of iron oxides to prevent any stainless steel contamination, added to which the discs are all iron, sulfur and chlorine free. (<0.1% Fe, S, Cl)



COOL GRINDING	CONTAMINATION FREE	MEDIUM WORKING PRESSURE	MEDIUM/THIN THICKNESS SURFACES	FAST STOCK REMOVAL
---------------	--------------------	-------------------------	--------------------------------	--------------------

SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM

UNMATCHED PERFORMANCES

The premium zirco-ceramic cloth combines the extremely fast cutting action of the zirconium together with the longer lasting life of the ceramic grains.

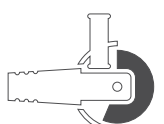
TEMPERATURE UNDER CONTROL

The top-size coating increases grinding performances and reduces pressure-generated heat, preventing bluing or other discolorations of the workpiece surface.



<https://vimeo.com/412465955>
www.bullardabrasives.com/media
www.tafabrasivesusa.com

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34084	34094	40	13,200	20
4-1/2"	7/8"	34086	34096	60	13,200	20
4-1/2"	7/8"	34088	34098	80	13,200	20
4-1/2"	7/8"	34080	34090	120	13,200	20
4-1/2"	5/8"-11	35084	35094	40	13,200	10
4-1/2"	5/8"-11	35086	35096	60	13,200	10
4-1/2"	5/8"-11	35088	35098	80	13,200	10
4-1/2"	5/8"-11	35080	35090	120	13,200	10
5"	7/8"	34104	34114	40	12,000	20
5"	7/8"	34106	34116	60	12,000	20
5"	7/8"	34108	34118	80	12,000	20
5"	5/8"-11	35104	35114	40	12,000	10
5"	5/8"-11	35106	35116	60	12,000	10
5"	5/8"-11	35108	35118	80	12,000	10
6"	7/8"	-	34134	40	10,200	10
6"	7/8"	-	34136	60	10,200	10
6"	7/8"	-	34138	80	10,200	10
6"	5/8"-11	-	35134	40	10,200	10
6"	5/8"-11	-	35136	60	10,200	10
6"	5/8"-11	-	35138	80	10,200	10





GRINDING



GRINDING

Depressed Center RapidGRIND™	
Ceramic Hybrid Grinding Discs - Type 29M	34
NetGRIND™ Non-Loading Flap Discs, Type 27	35
Depressed Center Grinding Wheels - Type 27	36
Depressed Center Pipeline, Light Grinding and Cut-Off Wheels - Type 27	38
Depressed Center Blend, Deburr & Grinding Wheels - Type 27	39
Depressed Center Grinding Wheels - Hat Shaped - Type 28.....	40

STAINLESS STEEL AND
CARBON STEEL



RapidGRIND™ CERAMIC HYBRID GRINDING DISCS

TYPE 29M

SGA

MAX FORCE+ PERFORMANCE

- » Stainless Steel and Carbon Steel
- » Weld bead removal
- » Surface grinding
- » Edge grinding, deburring, chamfering and beveling
- » Flame-cut steel removal
- » State-of-the-art ceramic grain



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
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6"	7/8"	30623	36	10,200	25
6"	5/8"-11	30633	36	10,200	10
7"	7/8"	30723	36	8,500	25
7"	5/8"-11	30733	36	8,500	10
4-1/2"	7/8"	30425	50	13,300	25
4-1/2"	5/8"-11	30435	50	13,300	10
5"	7/8"	30525	50	12,200	25
5"	5/8"-11	30535	50	12,200	10
6"	7/8"	30625	50	10,200	25
6"	5/8"-11	30635	50	10,200	10
7"	7/8"	30725	50	8,500	25
7"	5/8"-11	30735	50	8,500	10

FASTEST
METAL GRINDING
TOOL IN THE INDUSTRY



<https://vimeo.com/378818467>
www.bullardabrasives.com/media

ALUMINUM, COMPOSITE,
CARBON FIBER, PLASTIC,
WOOD, TITANIUM, COPPER,
ZINC, AND LEAD



NetGRIND™ NON-LOADING FLAP DISCS

TYPE 27

When it comes to grinding and finishing, our **NetGRIND™** NON-LOADING FLAP DISCS perform like nothing else!



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

- » Non-Loading
- » Saves Times and Money
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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 post-weld bead removal and/or finishing. Compared to other metals, aluminum has a much lower melting temperature, so it melts easily. Our **NetGRIND™** NON-LOADING FLAP DISCS are your solution.



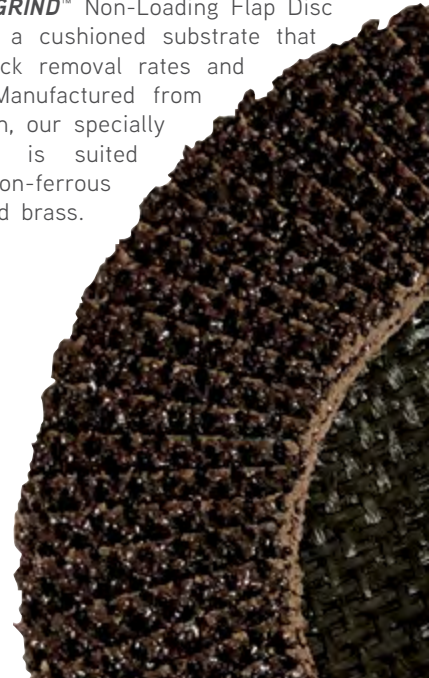
<https://vimeo.com/412438196>
www.bullardabrasives.com/media

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4-1/2"	5/8"-11	35286	60	13,300	10

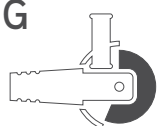
MAX FORCE Bullard's **NetGRIND™** Non-Loading Flap Disc cloth is layered providing a cushioned substrate that results in high, heavy stock removal rates and surface blending action. Manufactured from tough aluminum oxide grain, our specially engineered net abrasive is suited for aluminum and all non-ferrous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

INDUSTRIES:

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



NON-LOADING - HEAVY STOCK REMOVAL & SURFACE BLENDING



STEEL, STAINLESS,
HIGH TENSILE ALLOYS,
FERROUS METALS, GRAY,
CAST AND DUCTILE IRONS



depressed center GRINDING WHEELS

TYPE 27

CER24Q

MAX FORCE+ PERFORMANCE



- » 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

ZA24R

MAX FORCE PERFORMANCE



- » 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

ZAI6U

MAX FORCE PERFORMANCE



- » 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

TA24S

HIGH ENERGY PERFORMANCE



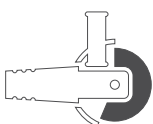
- » Ferrous Metal (Structural Steel, Iron, Welds, etc)
- » Premium grinding wheel made of higher quality abrasive grain
- » Enhanced wheel life with good stock removal rate

Diameter	Thickness	Arbor Hole	CER24Q	ZA24R	ZAI6U	TA24S	Max RPM	Box Qty
4"	1/4"	5/8"		14463		24473	15,000	25
4-1/2"	1/4"	7/8"	14465	14467		24477	13,300	25
4-1/2"	1/4"	5/8"-11	18465	14468		28477	13,300	10
5"	1/4"	7/8"	14565	14567		24573	12,200	25
5"	1/4"	5/8"-11	18565	14568		28573	12,200	10
6"	1/4"	7/8"	14665				10,200	25
6"	1/4"	5/8"-11	18665				10,200	10
7"	1/4"	7/8"	14765	14761	14764	20773	8,500	25
7"	1/4"	5/8"-11	18765	18761	18764	28773	8,500	10
9"	1/4"	7/8"		14961	14962	20973	6,650	25
9"	1/4"	5/8"-11		18961	18962	28973	6,650	10

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.



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NON-FERROUS METALS, STAINLESS
STEEL, HIGH TENSILE ALLOYS,
FERROUS METALS, CONCRETE,
MASONRY AND STONE



depressed center GRINDING WHEELS

TYPE 27



AL36N

HIGH ENERGY PERFORMANCE

- » Non-Ferrous Metals (Aluminum, Brass and Copper)
- » Special formulation with softer bond to prevent loading
- » Fast stock removal



A46Q

HIGH ENERGY PERFORMANCE

- » Stainless Steel and High Tensile Alloys
- » Contaminant-free
- » Smoother and faster cutting
- » Prevents discoloration, overheating and glazing



A24N, A24R

LIGHTNING PERFORMANCE

- » 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



C24R

LIGHTNING PERFORMANCE

- » Concrete, Masonry and Stone
- » Secondary Application: Non-Ferrous Metals (Aluminum, Brass and Copper)
- » Harder bond - improved wheel life for increased wheel performance
- » Silicon carbide grain



A24R

COMPETITOR PERFORMANCE

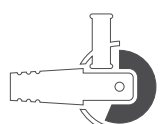
- » Ferrous Metals (Structural Steel, Iron, Welds, etc)
- » General purpose - fast cutting
- » Value line



Diameter	Thickness	Arbor Hole	AL36N	A46Q	A24N	A24R	Max RPM	Box Qty
3"	1/4"	3/8"			23367		19,000	25
4"	1/4"	5/8"	23464		24463		15,000	25
4"	1/4"	3/8"			23467		15,000	25
4"	3/16"	5/8"			24453		15,000	25
4-1/2"	1/4"	7/8"	24464	24461	24467	24469	13,300	25
4-1/2"	1/4"	5/8"-11	28464	28461	28467	28469	13,300	10
4-1/2"	3/16"	7/8"			24457		13,300	25
5"	1/4"	7/8"	24564	24561	24563	24569	12,200	25
5"	1/4"	5/8"-11	28564	28561	28563	28569	12,200	10
6"	1/4"	7/8"			24663	24669	10,200	25
6"	1/4"	5/8"-11			28663	28669	10,200	10
7"	1/4"	7/8"	20764	27761	20761	20769	8,500	25
7"	1/4"	5/8"-11	28764	27768	20768	28769	8,500	10
9"	1/4"	7/8"	20964	27961	20961	20969	6,650	25
9"	1/4"	5/8"-11	28964	27968	20968	28969	6,650	10

Diameter	Thickness	Arbor Hole	C24R	A24R (C)	Max RPM	Box Qty
4"	1/4"	5/8"	24460	21463	15,000	25
4"	1/4"	3/8"		21462	15,000	25
4-1/2"	1/4"	7/8"	24466	21467	13,300	25
4-1/2"	1/4"	5/8"-11	28466	21468	13,300	10
5"	1/4"	7/8"	24566	21569	12,200	25
5"	1/4"	5/8"-11	28566		12,200	10
7"	1/4"	7/8"	20766	21761	8,500	25
7"	1/4"	5/8"-11	26768	21768	8,500	10
9"	1/4"	7/8"	20966	21961	6,650	25
9"	1/4"	5/8"-11	26968	21968	6,650	10

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



STAINLESS STEEL,
HIGH TENSILE ALLOYS,
FERROUS METALS



depressed center PIPELINE, LIGHT GRINDING & CUT-OFF WHEELS

TYPE 27

CER24Q

MAX FORCE+ PERFORMANCE

- » 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

ZA30S

MAX FORCE PERFORMANCE

- » 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

TA30S

HIGH ENERGY PERFORMANCE

- » 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

Diameter	Thickness	Arbor Hole	CER24Q	ZA30S	TA30S	A30R	A30R (C)	Max RPM	Box Qty
4"	1/8"	5/8"	14443			24433		15,000	25
4-1/2"	1/8"	7/8"	14435	14447	27437	24437	21437	13,300	25
4-1/2"	1/8"	5/8"-11	18435	14448	27438	24438		13,300	10
5"	1/8"	7/8"	14535	14547		24533	21533	12,200	25
5"	1/8"	5/8"-11	18535	14548		24538		12,200	10
6"	1/8"	7/8"	14635	14647		24633		10,200	25
6"	1/8"	5/8"-11	18635	14648		24638		10,200	10
7"	1/8"	7/8"	14735	14747	27737	20731	21731	8,500	25
7"	1/8"	5/8"-11	18735	14748	27738	20738	21738	8,500	10
9"	1/8"	7/8"		14947	27937	20931		6,650	25
9"	1/8"	5/8"-11		14948	27938	20938		6,650	10



A30R

LIGHTNING PERFORMANCE

- » 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

A30R

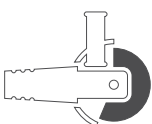
COMPETITOR PERFORMANCE

- » Ferrous Metal (Structural Steel, Iron, Welds, etc.)
- » General purpose wheel
- » Value line



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

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.



FERROUS METALS,
STAINLESS STEEL, HIGH
TENSILE ALLOYS AND
NON-FERROUS METALS



semi-flexible depressed center
**BLEND, DEBURR &
GRINDING WHEELS**

TYPE 27



AC

HIGH ENERGY PERFORMANCE



- » Ferrous Metals
(Steel, Iron, Welds, etc)
- » 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

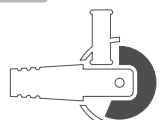
Diameter	Thickness	Arbor Hole	Grit	AC	Max RPM	Box Qty
4"	1/8"	5/8"	36	31436	15,000	25
4"	1/8"	5/8"	40	31446	15,000	25
4-1/2"	1/8"	7/8"	36	31636	13,300	25
4-1/2"	1/8"	7/8"	60	31660	13,300	25

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.





depressed center GRINDING WHEELS

TYPE 28



A24R

LIGHTNING PERFORMANCE



- » Ferrous Metals (Structural Steel, Iron, Welds, etc.)
- » Harder bond - improved wheel life for increased wheel performance
- » Great for beveling or grinding rough surfaces

C24R

LIGHTNING PERFORMANCE



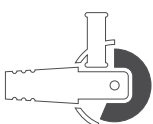
- » Concrete, Masonry and Stone, etc.
- » Secondary Application - Non-Ferrous Metals (Aluminum, Brass, Copper)
- » Harder bond - improved wheel life for increased wheel performance
- » Silicon carbide grain

Diameter	Thickness	Arbor Hole	A24R	C24R	Max RPM	Box Qty
7"	1/4"	5/8"-11	28767	28766	8,500	10
9"	1/4"	5/8"-11	28967	28966	6,650	10

A HAT SHAPED GRINDING WHEEL designed to perform at a 10 to 15 degree angle, avoiding the operator fatigue one might experience when grinding with a Type 27.



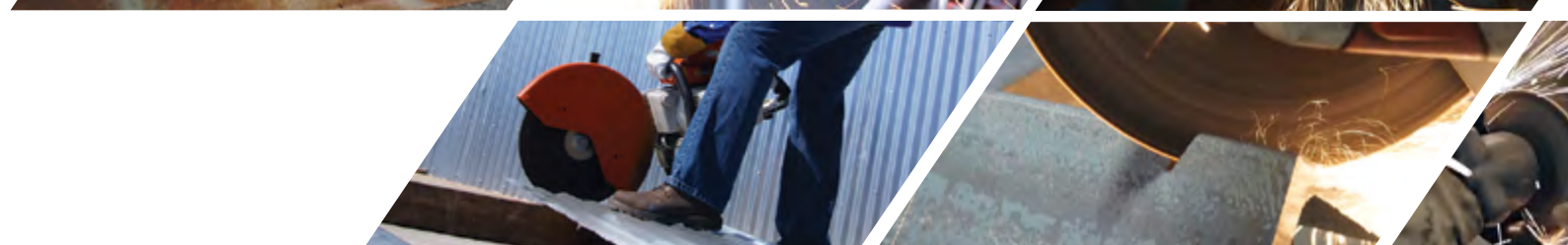
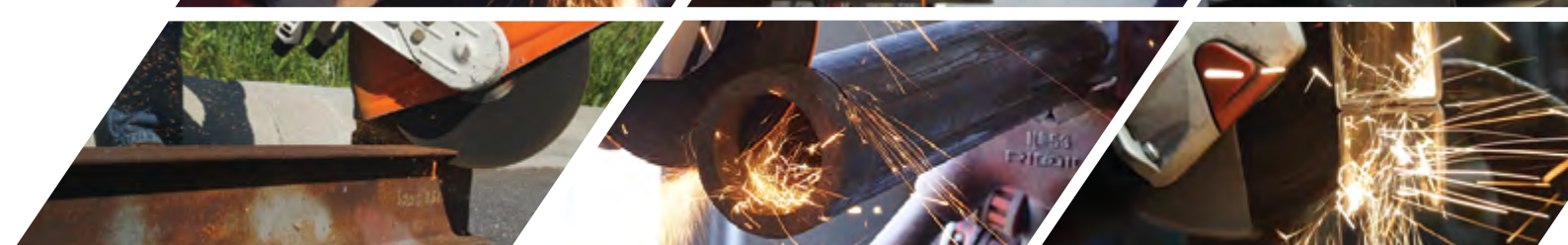
This UNIQUE HAT-SHAPED GRINDING WHEEL delivers more abrasive grain to the work surface to ensure maximum material removal.





CUTTING

Small Diameter Cut-Off Wheels - Type 1.....	42
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Circular Saw Cut-Off Wheels - Type 1.....	55



CARBON STEEL,
STAINLESS STEEL
AND HIGH TENSILE ALLOYS



SMALL
DIAMETER

snagging and cutting
wheels are designed to
perform on a variety of
metal applications.

small diameter CUT-OFF WHEELS

TYPE 1

CER36T

MAX FORCE+ PERFORMANCE

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



SGA60T, SGA46T

MAX FORCE PERFORMANCE

- » 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



ZA60T, ZA46T

MAX FORCE PERFORMANCE

- » 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



Diameter	Thickness	Arbor Hole	CER36T	SGA60T	SGA46T	ZA60T	ZA46T	Max RPM	Box Qty
3"	.035"	3/8"		43303				25,450	50
3"	.045"	1/4"	45301					25,450	50
3"	.045"	3/8"	45303					25,450	50
3"	1/16"	1/4"					93311	25,450	50
3"	1/16"	3/8"			43313		93313	25,450	50
3"	1/32"	1/4"				93301		25,450	50
3"	1/32"	3/8"				93303		25,450	50
4"	.035"	3/8"		43403				19,000	50
4"	.045"	1/4"	45401					19,000	50
4"	.045"	3/8"	45403					19,000	50
4"	1/16"	3/8"			43413		93413	19,000	50
4"	1/32"	3/8"				93403		19,000	50

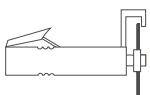


Small Diameter Snagging and Cutting Wheels are designed to perform on variety of metal applications. When dependability and flexibility are a must, these fast cool and free cutting wheels will allow the operator to complete the task with minimal pressure and more control for clean, straight cuts.

Small Diameter Cut-Off Wheels are externally reinforced which enables them to withstand peripheral side and wedge stress. Most commonly used in shipbuilding, pipe fabrication, nuclear power plants, aerospace, foundries, fabrication shops, refineries, construction, automobile and plant maintenance.



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www.bullardabrasives.com/media



FERROUS METALS
STAINLESS STEEL AND
HIGH TENSILE ALLOYS



small diameter CUT-OFF WHEELS

TYPE 1

medium coarse grit

TA60T, TA46T, TA36T

LIGHTNING PERFORMANCE



- » 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 Alloys - 1/16" thick**
- » Treated aluminum oxide grain - medium coarse grit
- » **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 Alloys**
- » Treated aluminum oxide grain -

A60T, A36T

COMPETITOR PERFORMANCE



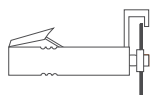
- » Ferrous Metals
- » General purpose cutting - value line

Diameter	Thickness	Arbor Hole	TA60T	TA46T	TA36T	A60T	A36T	Max RPM	Box Qty
2"	.035"	3/8"	53203					38,200	50
2"	1/16"	3/8"		53213				38,200	50
2"	1/2"	3/8"			61293			27,120	25
2"	1/4"	3/8"			61263			30,500	25
2"	1/8"	3/8"			53233			38,200	50
2"	3/8"	3/8"			61283			27,120	25
2-1/2"	1/16"	3/8"		55213				30,500	50
2-1/2"	1/2"	3/8"			65293			21,680	25
2-1/2"	1/4"	3/8"			65263			24,430	25
2-7/8"	1/16"	3/8"		56213				25,450	50
3"	.035"	1/4"	53301					25,450	50
3"	.035"	3/8"	53303					25,450	50
3"	1/16"	1/2"		53312				25,450	50
3"	1/16"	1/4"		53311		51312*	51311*	25,450	50
3"	1/16"	3/8"		53313		51314	51313	25,450	50
3"	1/2"	3/8"			61393			20,370	25
3"	1/32"	1/4"				51301		25,450	25
3"	1/32"	3/8"				51303		25,450	25
3"	1/4"	3/8"			61363			20,370	25
3"	1/8"	3/8"			53333			25,450	50
3"	3/16"	3/8"			53353			25,450	50
3"	3/32"	3/8"			53323			25,450	50
3"	3/8"	3/8"			61383			20,370	25
4"	.035"	3/8"	53403					19,000	50
4"	1/16"	3/8"		53413		51414	51413	19,000	50
4"	1/32"	3/8"				51403		19,000	25
4"	1/4"	3/8"			61463			13,560	25
4"	1/8"	3/8"			53433			19,000	50
4"	3/8"	3/8"			61483			13,560	25

*Box Quantities are 25 for part numbers indicated.



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.



CARBON STEEL,
STAINLESS STEEL,
HIGH TENSILE ALLOYS AND
FERROUS METALS



angle grinder CUT-OFF WHEELS

TYPE 1

CER36T

MAX FORCE+ PERFORMANCE

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



SGA60U, ZA60T

MAX FORCE PERFORMANCE

- » 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



TA60U, TA46T, TA36T

HIGH ENERGY PERFORMANCE

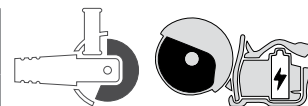
- » TA60U: Ferrous Metals and Stainless
- » Premium long life, faster cutting .045 thick wheels
- » A rigid, thicker wheel with improved grain and resin combination to take on the most demanding cutting application



- » TA46T: 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 Alloys 3/32" thick
- » A premium wheel for heavy-duty use

Diameter	Thickness	Arbor Hole	CER36T	SGA60U	ZA60T	TA60U	TA46T	TA36T	Max RPM	Box Qty
4"	.040"	5/8"			93405				15,000	25
4"	1/16"	5/8"					53415		15,000	25
4"	3/32"	5/8"						53425	15,000	25
4-1/2"	.040"	7/8"			93407				13,300	25
4-1/2"	.045"	5/8"-11				58409			13,300	10
4-1/2"	.045"	7/8"	43409	43407		53409			13,300	25
4-1/2"	1/16"	7/8"					53417		13,300	25
4-1/2"	3/32"	7/8"						53427	13,300	25
5"	.040"	7/8"			93507				12,200	25
5"	.045"	5/8"-11				58509			12,200	10
5"	.045"	7/8"	43509	43507		53509			12,200	25
5"	1/16"	7/8"					53517		12,200	25
5"	3/32"	7/8"						53527	12,200	25
6"	.040"	7/8"			93607				10,200	25
6"	.045"	5/8"-11				58609			10,200	10
6"	.045"	7/8"	43609	43607		53609			10,200	25
6"	1/16"	7/8"					53617		10,200	25
7"	.040"	7/8"			93707				8,500	25
7"	1/16"	1/2"					53713		8,500	25
7"	1/16"	5/8"					53714		8,500	25
7"	1/16"	7/8"					53717		8,500	25
7"	3/32"	7/8"						53727	8,500	25

Diameter	Thickness	Arbor Hole	TA36R	Max RPM	Box Qty
9"	5/64"	7/8"	53919	6,650	25



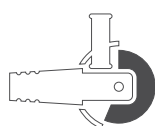
TA36R

HIGH ENERGY PERFORMANCE

- » Ferrous Metals (Structural Steel, Iron, Rebar, etc.)
- » High performance wheel for angle grinder and/or battery powered saw
- » Treated aluminum oxide grain



<https://vimeo.com/385297479>
www.bullardabrasives.com/media



NON-FERROUS METALS,
FERROUS METALS,
CONCRETE, MASONRY
AND STONE

B/A

angle grinder CUT-OFF WHEELS

TYPE 1

AL46N

HIGH ENERGY PERFORMANCE

- » Non-Ferrous Metals (Aluminum, Brass and Copper)
- » A thin .045" wheel for fast, cool, burr-free cutting
- » Special formulation to prevent loading



TA60T

LIGHTNING PERFORMANCE

- » 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



C24R

LIGHTNING PERFORMANCE

- » Concrete, Masonry and Stone
- » Harder bond - improved wheel life for increased wheel performance
- » Silicon carbide grain



A60T

COMPETITOR PERFORMANCE

- » Ferrous Metals (Iron, Steel, Welds, etc.)
- » A60T: General purpose - fast cutting
- » Value line

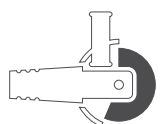


Diameter	Thickness	Arbor Hole	AL46N	TA60T	C24R	A60T	Max RPM	Box Qty
4"	.040"	5/8"		53405			15,000	25
4"	.045"	5/8"	63405			51405	15,000	25
4"	1/8"	5/8"			53430		15,000	25
4-1/2"	.040"	7/8"		53407			13,300	25
4-1/2"	.045"	7/8"	63407			51407	13,300	25
4-1/2"	1/8"	7/8"			53436		13,300	25
5"	.040"	7/8"		53507			12,200	25
5"	.045"	7/8"	63507			51507	12,200	25
5"	1/8"	7/8"			53536		12,200	25
6"	.040"	7/8"		53607			10,200	25
6"	.045"	7/8"	63607			51607	10,200	25
7"	.040"	7/8"		53707			8,500	25
7"	.045"	7/8"	63707				8,500	25
7"	1/8"	7/8"			53736		8,500	25

Industry leading performance and quality.



OUR THIN TYPE 1 CUTTING WHEELS are offered in a wide range of specifications to meet any cutting applications using a right angle grinder.



CARBON STEEL,
STAINLESS STEEL
AND HIGH TENSILE ALLOYS

B)A

BULLARD'S
TYPE 27
CUTTING WHEELS
are manufactured for
speedy, precise cutting
for little burr on ferrous
and non-ferrous metals.

angle grinder CUT-OFF WHEELS

TYPE 27

CER36T

MAX FORCE+ PERFORMANCE

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



SGA60U, ZA60T

MAX FORCE PERFORMANCE

- » 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



ZA30R

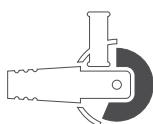
MAX FORCE PERFORMANCE

- » 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



Diameter	Thickness	Arbor Hole	CER36T	SGA60U	ZA60T	ZA30R	Max RPM	Box Qty
4"	.040"	5/8"			14405		15,000	25
4"	1/8"	5/8"				14433	15,000	25
4-1/2"	.040"	7/8"			14407		13,300	25
4-1/2"	.045"	7/8"	42409	42407			13,300	25
4-1/2"	1/8"	7/8"				14437	13,300	25
4-1/2"	1/8"	5/8"-11				14438	13,300	10
5"	.040"	7/8"			14507		12,200	25
5"	.045"	7/8"	42509	42507			12,200	25
5"	1/8"	7/8"				14537	12,200	25
5"	1/8"	5/8"-11				14538	12,200	10
6"	.040"	7/8"			14607		10,200	25
6"	.045"	7/8"	42609	42607			10,200	25
6"	1/8"	7/8"				14637	10,200	25
6"	1/8"	5/8"-11				14638	10,200	10
7"	.040"	7/8"			14707		8,500	25
7"	1/8"	7/8"				14737	8,500	25
7"	1/8"	5/8"-11				14738	8,500	10
9"	1/8"	7/8"				14937	6,650	25
9"	1/8"	5/8"-11				14938	6,650	10

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





angle grinder CUT-OFF WHEELS

TYPE 27



TA60U, A60T

HIGH ENERGY PERFORMANCE



- » TA60U: 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: Ferrous Metals (Iron, Steel, Welds, etc.) and Stainless
- » Contaminant-free formulation for stainless steel applications

AL46N

HIGH ENERGY PERFORMANCE



- » Non-Ferrous Metals (Aluminum, Brass and Copper)
- » .045" wheel for fast, cool, burr-free cutting
- » Special formulation to prevent loading

AL36N

HIGH ENERGY PERFORMANCE

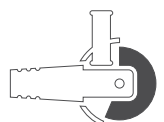


- » Non-Ferrous Metals (Aluminum, Brass and Copper)
- » Proven performer for heavy duty cutting and notching
- » 1/8" wheel for increased performance
- » Externally and internally reinforced for added strength
- » Special formulation to prevent loading

Diameter	Thickness	Arbor Hole	TA60U	A60T	AL46N	AL36N	Max RPM	Box Qty
4"	.045"	5/8"			62405		15,000	25
4-1/2"	.045"	7/8"	24409		62407		13,300	25
4-1/2"	.045"	5/8"-11	28409		68407		13,300	10
4-1/2"	5/64"	7/8"		42414			13,300	25
4-1/2"	1/8"	7/8"				24434	13,300	25
4-1/2"	1/8"	5/8"-11				28434	13,300	10
5"	.045"	7/8"	24509		62507		12,200	25
5"	.045"	5/8"-11	28509		68507		12,200	10
5"	5/64"	7/8"		42514			12,200	25
6"	.045"	7/8"	24609		62607		10,200	25
6"	.045"	5/8"-11	28609		68607		10,200	10
6"	5/64"	7/8"		42614			10,200	25
7"	.045"	7/8"			62707		8,500	25
7"	.045"	5/8"-11			68707		8,500	10
7"	1/8"	7/8"				20734	8,500	25
7"	1/8"	5/8"-11				28734	8,500	10
9"	1/8"	7/8"				20934	6,650	25
9"	1/8"	5/8"-11				28934	6,650	10



NOTE: See Page 44 for details on these Angle Grinder Cut-Off Wheels - Type 1 with threaded hubs. Part #58409, 58509 and 58609



MOUNT WHEELS WITH ONE EASY STEP.
NOW AVAILABLE!

Type 27 and Type 1 thin cut-off wheels, .045" thickness with 5/8"-11 threaded hubs.



angle grinder CUT-OFF WHEELS

TYPE 27

TA60T, A24R

LIGHTNING PERFORMANCE

- » Ferrous Metals (Iron, Steel, Welds, etc.)
- » **TA60T:** A thin .040" wheel for fast, cool, burr-free cutting
- » Specially treated aluminum oxide grain for increased wheel performance
- » **A24R:** A thicker wheel for increased life for tough, heavy duty jobs



C24R

LIGHTNING PERFORMANCE

- » Concrete, Masonry and Stone
- » Harder bond - improved wheel life for increased wheel performance
- » Silicon carbide grain



TA60T

COMPETITOR PERFORMANCE

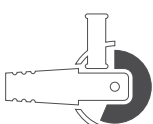
- » Ferrous Metals (Iron, Steel, Welds, etc.)
- » A thin .040" wheel for fast, cool, burr-free cutting
- » Value line



Diameter	Thickness	Arbor Hole	TA60T	A24R	C24R	TA60T	Max RPM	Box Qty
4"	.040"	5/8"	24405			21405	15,000	25
4"	1/8"	5/8"			24430		15,000	25
4"	3/32"	5/8"		24423			15,000	25
4-1/2"	.040"	7/8"	24407			21407	13,300	25
4-1/2"	1/8"	7/8"			24436		13,300	25
4-1/2"	1/8"	5/8"-11			28436		13,300	10
4-1/2"	3/32"	7/8"		24427			13,300	25
4-1/2"	3/32"	5/8"-11		28427			13,300	10
5"	.040"	7/8"	24507				12,200	25
5"	1/8"	7/8"			24536		12,200	25
5"	1/8"	5/8"-11			28536		12,200	10
5"	3/32"	7/8"		24527			12,200	25
5"	3/32"	5/8"-11		28527			12,200	10
6"	.040"	7/8"	24607			21607	10,200	25
6"	1/8"	7/8"			24636		10,200	25
6"	1/8"	5/8"-11			28636		10,200	10
6"	3/32"	7/8"		24627			10,200	25
6"	3/32"	5/8"-11		28627			10,200	10
7"	.040"	7/8"	24707				8,500	25
7"	1/8"	7/8"			20736		8,500	25
7"	1/8"	5/8"-11			28736		8,500	10
7"	3/32"	7/8"		20727			8,500	25
7"	3/32"	5/8"-11		28727			8,500	10
9"	1/8"	7/8"			20936		6,650	25
9"	1/8"	5/8"-11			28936		6,650	10
9"	3/32"	7/8"		20927			6,650	25
9"	3/32"	5/8"-11		28927			6,650	10



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.



METALS, DUCTILE, CURED
CONCRETE, MASONRY, BRICK,
BLOCK AND STONE



gas or electric portable saw CUT-OFF WHEELS

TYPE 1

TA24R, PA24R

HIGH ENERGY PERFORMANCE



- » TA24R: 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 bond
- » PA24R: Ferrous Metals (structural steel, iron, rebar, etc.)
- » Premium performance wheel formulated for longer life in most demanding jobs
- » Treated aluminum oxide

Diameter	Thickness	Arbor Hole	TA24R	PA24R	AC24R	PC24R	Max RPM	Box Qty
12"	1/8"	1"	84235	82234	88233	82231	6,360	10
12"	1/8"	20mm	84236	82133	88133	82130	6,360	10
14"	1/8"	1"	84435	82433	88433	82430	5,460	10
14"	1/8"	20mm	84436	82434	88434	82431	5,460	10
16"	1/8"	1"			88633		4,800	5
16"	1/8"	20mm			88634		4,800	5

AC24R

HIGH ENERGY PERFORMANCE



- » Ductile Pipe, Cast Iron, Concrete, Coated Steel, Sewer and Water Mains
- » A combination of aluminum oxide and silicon carbide grain

PC24R

HIGH ENERGY PERFORMANCE



- » Cured Concrete, Masonry, Brick, Block and Stone
- » Premium wheel with hard bond
- » Silicon carbide grain



FERROUS METALS,
CURED CONCRETE, MASONRY,
BRICK, BLOCK AND STONE



gas or electric portable saw CUT-OFF WHEELS

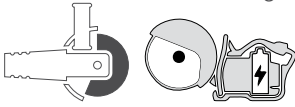
TYPE 1

TA36R

HIGH ENERGY PERFORMANCE



- » Ferrous Metals (Structural Steel, Iron, Rebar, etc.)
- » High performance wheel for angle grinder and/or battery powered saw
- » Treated aluminum oxide grain



A24R

LIGHTNING PERFORMANCE



- » Ferrous Metals (Structural Steel, Iron, Rebar, etc.)
- » A consistently performing wheel for a variety of cutting applications
- » Aluminum oxide

C24R, CC20R

LIGHTNING PERFORMANCE



- » C24R: Cured Concrete, Masonry, Brick, Block and Stone
- » One of the most popular wheels for all around cutting of masonry materials
- » Silicon carbide grain
- » CC20R: Asphalt and Green Concrete
- » Secondary Application: Cured Concrete and Masonry
- » A coarse silicon carbide grain helps eliminate clogging when cutting off soft materials

Diameter	Thickness	Arbor Hole	TA36R	A24R	C24R	CC20R	A24R (C)	Max RPM	Box Qty
9"	5/64"	7/8"	53919*					6,650	25
12"	1/8"	1"		84234	80231	81231		6,360	10
12"	1/8"	20mm		84133	80130	81130		6,360	10
14"	1/8"	1"		84433	80430	81430		5,460	10
14"	1/8"	20mm		84434	80431	81431		5,460	10
14"	5/32"	1"					81433	5,460	10
14"	5/32"	20mm					81434	5,460	10
16"	1/8"	1"		84633	80630			4,800	5
16"	1/8"	20mm		84634	80631			4,800	5

* Part No. 53919 for application use on angle grinder and/or battery powered portable saws only. Gas powered portable saw is not applicable. See Page 44 for angle grinder application.

A24R

COMPETITOR PERFORMANCE



- » Ferrous Metals (Structural Steel, Iron, Rebar, etc.)
- » General purpose cutting wheel
- » Value line



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.



MAIN TRACK, YARD TRACK
AND RAIL STEEL



gas and hydraulic rail saw CUT-OFF WHEELS

TYPE 1

ZA24Q, ZA30R, ZA24T

MAX FORCE PERFORMANCE

- » 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



Diameter	Thickness	Arbor Hole	ZA24Q	ZA30R	ZA24T	A30R	A36T	Max RPM	Box Qty
14"	1/8"	1"	85433	85434		85435	85432	5,460	10
16"	1/8"	1"	85633	85634	85636	85635	85632	4,800	5

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

A30R

HIGH ENERGY PERFORMANCE

- » Main Track, Yard Track and Rail Steel
- » High performance wheel formulated for fast cutting
- » An extended wheel life for rail track cutting



A36T

LIGHTNING PERFORMANCE

- » Main Track, Yard Track and Rail Steel
- » General purpose wheel formulated for railroad track cutting

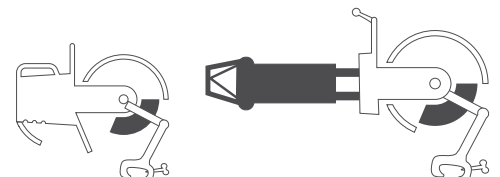


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www.bullardabrasives.com/media



Offered in three performance tiers,
BULLARD RAIL TRACK WHEELS
have a specification for the widest
range for track weights and saw types.

Photo used with permission of Husqvarna Construction AB.



STAINLESS STEEL,
HIGH TENSILE ALLOYS,
STRUCTURAL STEEL,
FERROUS METALS



portable chop saw CUT-OFF WHEELS

TYPE 1

ZA36T

MAX FORCE PERFORMANCE

- » Stainless Steel and High Tensile Alloys
- » Performance minded with increased speed of cut and wheel life
- » Zirconia grain



TA36T

HIGH ENERGY PERFORMANCE

- » Combination Use on High Gauge Structural Steel or Metal Studs and Light Gauge Metals
- » Premium performance
- » Combination of various specially treated abrasive grain types



Diameter	Thickness	Arbor Hole	ZA36T	TA36T	A36-INOX	A46T	Max RPM	Box Qty
10"	3/32"	5/8"		54023		54021	6,112	10
12"	3/32"	1"		54223		54221	5,092	10
14"	3/32"	1"	54429	54423	54425	54421	4,366	10
14"	7/64"	1"	54439	54433		54431	4,366	10
16"	3/32"	1"		54623		54621	3,820	5

A36 - INOX

HIGH ENERGY PERFORMANCE

- » Stainless Steel
- » Contaminant-Free Cutting
- » Fast and cool cutting action
- » Free of iron, sulfur and chlorine



A46T

HIGH ENERGY PERFORMANCE

- » 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



AL36R

HIGH ENERGY PERFORMANCE

- » Non-Ferrous Metals (Aluminum, Brass and Copper)
- » Fast cutting action with softer bond to prevent loading



A36R

LIGHTNING PERFORMANCE

- » 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



A36R, A46T

COMPETITOR PERFORMANCE

- » A36R: Ferrous Metals (Structural Metal, Heavy Rebar, Channel Iron, Angle Iron, etc.)
- » A36R: Internally reinforced
- » A46T: Specially formulated for Metal Studding, Light Gauge Metals and Thin Rebar
- » A46T: Externally reinforced
- » Value lines



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



FERROUS METALS ,
NON-FERROUS METALS,
STONE, BRICK AND
CONCRETE



stationary saw CUT-OFF WHEELS

TYPE 1

A300, A30R, A30T

LIGHTNING PERFORMANCE

- » 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 10" and 20" diameters



Diameter	Thickness	Arbor Hole	A300	A30R	A30T	C20R	Max RPM	Box Qty
10"	1/8"	1"		54132		71130	6,112	10
12"	1/8"	1"	54231	54232	54233	72230	5,092	10
14"	5/32"	1"	54441		54443	70030	4,366	10
16"	5/32"	1"	54641	54642	54643	72630	3,820	5
20"	1/8"	1"	55031	55032	55033		2,712	5
20"	3/16"	1"		55052			2,712	5

C20R

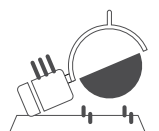
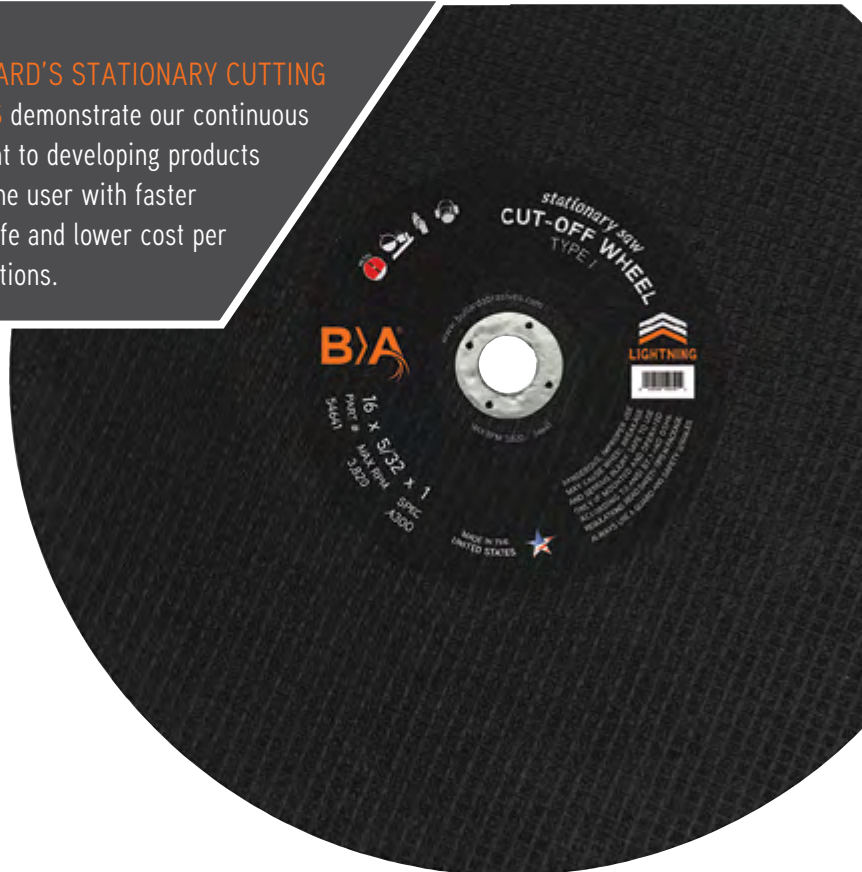
LIGHTNING PERFORMANCE

- » Non-Ferrous Metals,
Stone, Brick and Concrete
- » General purpose
- » Internally reinforced with flange ply on 10" and 20" diameters



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

BULLARD'S STATIONARY 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.



GREEN CONCRETE, ASPHALT,
SOFT AGGREGATE CONCRETE
AND CURED CONCRETE



walk-behind street saw CUT-OFF WHEELS

TYPE 1

C16T, C16R

LIGHTNING PERFORMANCE



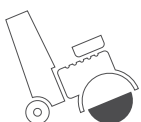
- » **C16T: Green Concrete, Asphalt and Concrete with Soft Aggregate**
- » Silicon carbide grain - open bond structure and coarse grain allows this wheel to provide fast and clog resistant cutting
- » **C16R: Cured Concrete**
- » Silicon carbide grain - for fast, free cutting of cured concrete with soft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

Diameter	Thickness	Arbor Hole	C16T	C16R	Max RPM	Box Qty
14"	3/16"	1" w/PH	74450	76450	4,366	5
14"	1/4"	1" w/PH	74460		4,366	5



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.



METAL, MASONRY,
FERROUS METALS,
CONCRETE, BRICK, STONE
AND SOFT AGGREGATE



circular saw CUT-OFF WHEELS

TYPE 1

AC24R

LIGHTNING PERFORMANCE

- » 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



A24R

LIGHTNING PERFORMANCE

- » Ferrous Metals (Angle Iron, Rebar, Steel and Metal Tubing)
- » Harder bond - improved wheel life for increased wheel performance
- » Aluminum oxide grain



C24R

LIGHTNING PERFORMANCE

- » Masonry, Concrete, Brick, Stone and Soft Aggregate
- » Harder bond - improved wheel life for increased wheel performance
- » Silicon carbide grain



Diameter	Thickness	Arbor Hole	AC24R	A24R	C24R	Max RPM	Box Qty
6"	3/32"	5/8"		53631		10,186	10
6"	1/8"	5/8"			71631	10,186	10
6-1/2"	3/32"	5/8"		53634		9,400	10
6-1/2"	1/8"	5/8"			71632	9,400	10
7"	1/8"	5/8"	62731		71731	8,732	10
7"	3/32"	5/8"		53731		8,732	10
8"	3/32"	5/8"		53831		7,640	10
8"	1/8"	5/8"			71831	7,640	10

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.**

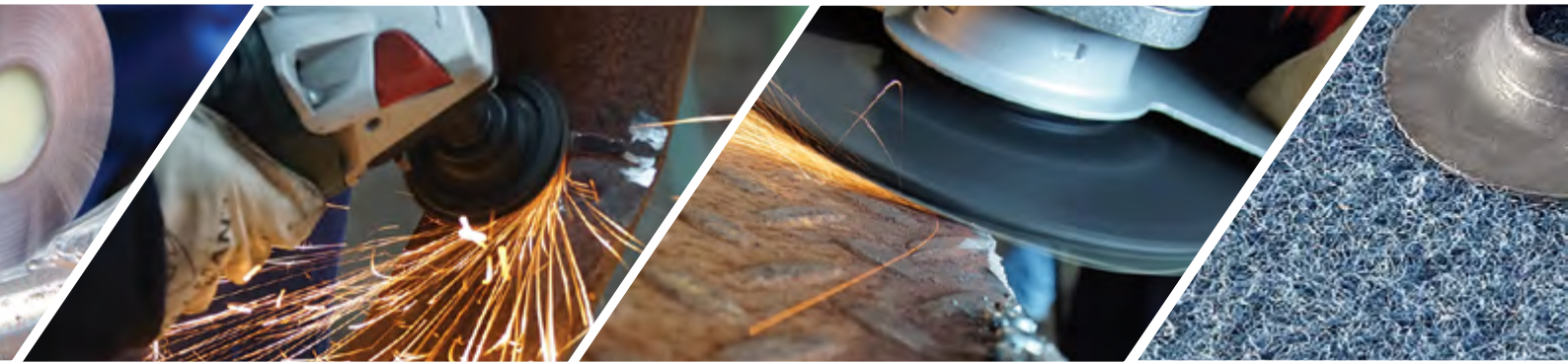
Manufactured for the most demanding jobs, our unique bonding system provides the flexibility and best all-around results.



MARVEL[®]

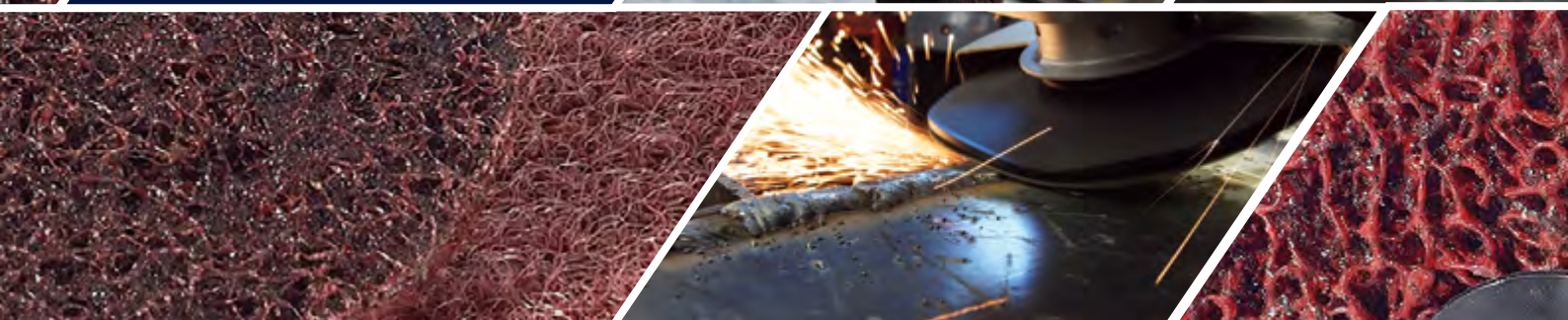
A B R A S I V E S

The only way to finish.



Since 1936

Marvel Abrasive Products, LLC is a manufacturer and supplier of coated abrasive products for use on portable power tools.





The only way to finish.

Who We Are

Marvel Abrasives is a brand born on a vision of finishing solutions. We have been manufacturing USA made coated abrasive products since 1936. Proven early on as pioneers in the industry, we are one of the first manufacturers of resin fibre discs in North America. We focus on innovative thinking, revolutionary design, reliable functionality and maintaining a vigilant commitment to unsurpassed craftsmanship. Simply put, we're all about quality and we got the distance to ensure you get the job done right.

Our History

Marvel Abrasive Products, LLC (formerly Bates Abrasive Products, Inc.) was purchased by the Maran family in 1972 and began marketing Marvel Abrasive Products through industrial distribution. Armand Maran patented the Marvedge back-up pad system and fibre disc "island" pattern grain coating process. Marvel was then acquired by Les and Barbara Branch in 2003, and through the considerable contributions of Christopher North, immediately began the process of redesigning, expanding and upgrading their resin fibre disc program to world class status. Marvel Abrasives was acquired by Bullard Abrasives, Inc. in 2012 and by 2017, the Bullard team of dedicated employees worked tirelessly with the transition of relocating Marvel Abrasives from Chicago to their current manufacturing facility located in Lincoln, RI to better serve their customers.

Presently

Marvel is a primary manufacturer of resin fibre discs and fabricates several types of non-woven and cloth-back materials into a wide range of coated abrasive product forms for use on portable electric and pneumatic power tools. Our core product emphasis includes an extensive offering of resin fibre discs, quick-change locking discs, non-woven abrasives and back-up pad systems.

Continuing our longstanding reputation as an industry innovator, we are firmly committed to new product development and cost containment practices to streamline our production processes throughout our manufacturing facility.

Having a national presence, we are dedicated to marketing through a network of traditional distribution, including industrial (ISA), construction/contractor (STAFDA) and welding (AWS). Additionally, we are well experienced in private label products and programs. To this day, our vision is to systematically provide our customer base with a stream of high-performance products to satisfy the fast-paced growth of the application-specific marketplace.

Why Marvel?

We engineer our products to work hard so you don't have to. Our exceptional attention to detail doesn't stop with our products. Our priorities are emphasized in our commitment to customer relations, innovation, and our evolving range of abrasive products to enhance and improve your finishing solutions.

Our product offerings include resin fibre discs, quick-change discs, non-woven discs, surface conditioning discs to mention a few. Be sure to check out this section for all our best-in-class finishing solutions.

How We Get It Done

We want to help see your project through to completion, and we fully understand the effort it took to get to where you are. That's why we use only the highest grade of materials to manufacture a premium level of coated abrasive products that minimize waste and maximize efficiency. We offer a wide range of finishing products to improve your application specific needs and situations. After all, we are...

The only way to finish.®

Mission

Our mission is to manufacture and supply the "best-in-class" coated abrasive products to the industrial markets by delivering application solutions to our customers. Our value is in the products we deliver to our satisfied customers.

Vision

Our vision is to be recognized as the best-in-class manufacturer by our potential customers. We strive to continue to evolve and deliver advanced finishing solutions to our customers.





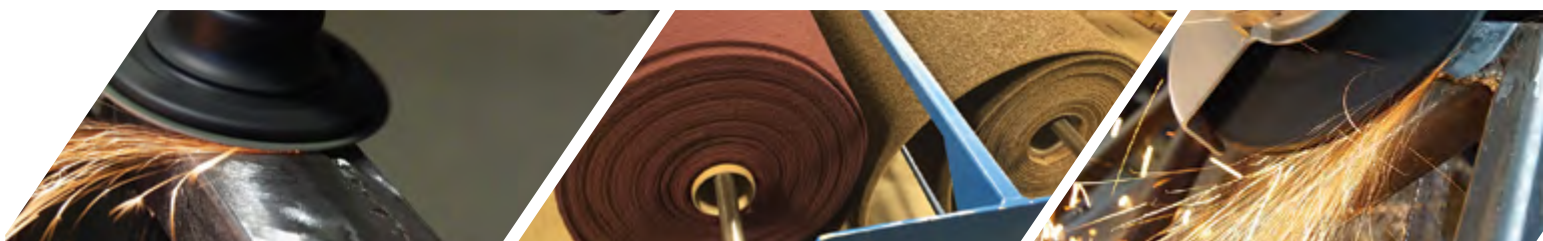
MARVEL
A B R A S I V E S

The only way to finish.



FINISHING

Quick-Change Mini Flap Discs	60
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The only way to finish.



STAINLESS STEEL,
CARBON STEEL, ALUMINUM,
WOOD AND PLASTIC



quick-change MINI FLAP DISCS

TYPE R AND TYPE S

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 cloth-backed 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

Diameter	Alumina Zirconia Type R	Alumina Zirconia Type S	Grit	Box Qty
2"	150020	152020	40	10
2"	150030	152030	60	10
2"	150035	152035	80	10
2"	150040	152040	120	10
3"	151020	153020	40	10
3"	151030	153030	60	10
3"	151035	153035	80	10
3"	151040	153040	120	10

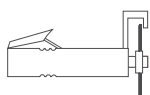
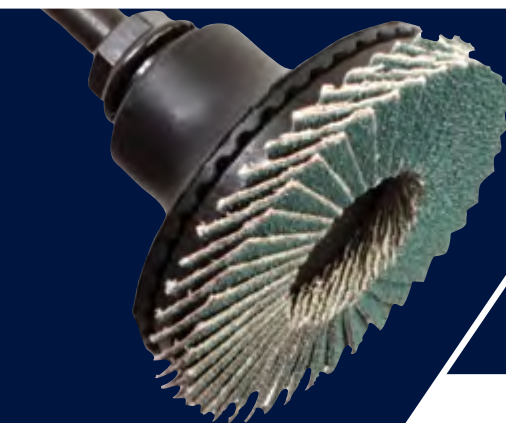
Note: Type R discs use conventional quick-change holder pads. See Accessories - Page 77 for more information.

Part #	Item	Box Qty
385106	Mandrel	1

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**.

GRIT SELECTION RECOMMENDATIONS:

APPLICATION	GRIT
Aggressive Grinding and Stock Removal.....	40
Medium Grinding and Finishing in One Step	60
Light Grinding with More Emphasis on Finishing	80
Extra Fine Surface Finishing.....	120



METAL, ALUMINUM, WOOD,
RUBBER AND PLASTIC



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:

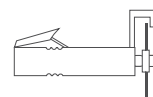
- » Flexing characteristics of flaps make this product readily adaptable to contoured and irregular surfaces
- » Reduces potential for flattening and gouging on the work piece surface
- » Abrasive function permits professional results by inexperienced operators
- » Flaps are easily shaped to accommodate 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



Diameter	Arbor Hole	1/4" Plain Mandrel	1/4" -20 Threaded Mandrel	Grit	Max RPM	Box Qty
1"	5/8"	351102		60	30,000	10
1"	5/8"	351101	352101	80	30,000	10
1"	5/8"	351100	352100	120	30,000	10
1"	1"	351109	352105	60	30,000	10
1"	1"	351108	352104	80	30,000	10
1"	1"	351107	352103	120	30,000	10
1"	1"	351106		180	30,000	10
1"	1"	351105		240	30,000	10
1-1/2"	1/2"	351113		60	30,000	10
1-1/2"	1/2"	351112		80	30,000	10
1-1/2"	1/2"	351111		120	30,000	10
1-1/2"	1"	351121	352120	60	30,000	10
1-1/2"	1"	351120	352119	80	30,000	10
1-1/2"	1"	351119	352118	120	30,000	10
2"	1/2"	351125	352123	60	25,000	10
2"	1/2"	351124	352122	80	25,000	10
2"	1/2"	351123	352121	120	25,000	10
2"	1"	351137	352109	60	25,000	10
2"	1"	351136	352108	80	25,000	10
2"	1"	351135	352107	120	25,000	10
2"	1"	351134		180	25,000	10
2"	1"	351133		240	25,000	10
2-1/2"	1"	351145	352126	60	23,000	10
2-1/2"	1"	351144	352125	80	23,000	10
2-1/2"	1"	351143	352124	120	23,000	10
3"	1"	351162	352113	60	20,000	10
3"	1"	351161	352112	80	20,000	10
3"	1"	351160	352111	120	20,000	10
3"	1"	351159		180	20,000	10

MAX RPM RATINGS:

- 1" diameter30,000
- 1-1/2" diameter 30,000
- 2" diameter 25,000
- 2-1/2" diameter23,000
- 3" diameter20,000



METAL, ALUMINUM, WOOD,
RUBBER AND PLASTIC



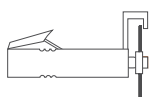
unmounted FLAP WHEELS

Flap wheels are designed to grind and finish hard-to-reach areas such as the inside of pipes and tubes. Like our flap discs, they are available in a variety of diameter and widths depending on your application.

Diameter	Thickness	Arbor Hole	Plain Arbor	Grit	Box Qty
6"	1"	1"	353103	60	5
6"	1"	1"	353102	80	5
6"	1"	1"	353101	120	5
6"	2"	1"	353107	60	5
6"	2"	1"	353106	80	5
6"	2"	1"	353105	120	5
8"	1"	1"	353115	60	3
8"	1"	1"	353114	80	3
8"	1"	1"	353113	120	3
8"	2"	1"	353118	60	3
8"	2"	1"	353117	80	3
8"	2"	1"	353116	120	3

FLAP WHEEL ARBOR ADAPTERS

Part #	Description	Box Qty
401101	1/4" - 20 Threaded Shank	10
401102	1/2" I.D. Bushings	1 Pair
401103	5/8" I.D. Bushings	1 Pair
401104	3/4" I.D. Bushings	1 Pair





RESIN FIBRE DISCS

One of the most popular coated abrasive products used in the industry. Constructed with a heavy-duty 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

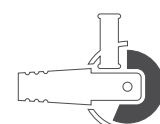
IN THE KNOW...

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 Inconel®, when heat generation and surface burning are concerns.

MAX RPM RATINGS:

4" diameter	13,300
4-1/2" diameter	13,300
5" diameter	12,000
7" diameter	8,600
9" diameter	6,600





The only way to Finish

RESIN FIBRE DISCS

SGP

PREMIUM CERAMIC SUPER-SIZED

MAX FORCE+ PERFORMANCE

- » 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

SGLP

CERAMIC LITE SUPER-SIZED

MAX FORCE PERFORMANCE

- » 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

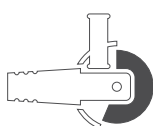
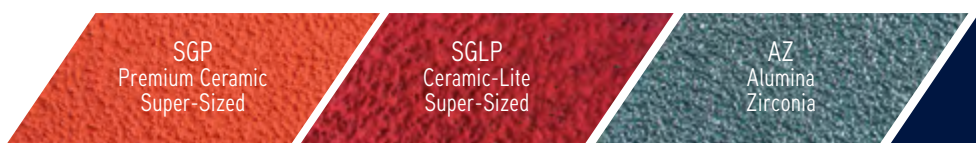
AZ

ALUMINA ZIRCONIA

HIGH ENERGY PERFORMANCE

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

Diameter	Arbor Hole	SGP Premium Ceramic Super-Sized	SGLP Ceramic Lite Super-Sized	AZ Alumina Zirconia	AO Aluminum Oxide	SC Silicon Carbide	Grit	Max RPM	Box Qty
4-1/2"	7/8"			115405	112405	114405	16	13,300	25
4-1/2"	7/8"	S117410	S118410	115410	112410	114410	24	13,300	25
4-1/2"	7/8"	S117415	S118415	115415	112415	114415	36	13,300	25
4-1/2"	7/8"	S117420	S118420	115420	112420	114420	50	13,300	25
4-1/2"	7/8"	S117425	S118425	115425	112425	114425	60	13,300	25
4-1/2"	7/8"	S117430	S118430	115430	112430	114430	80	13,300	25
4-1/2"	7/8"			115435	112435	114435	100	13,300	25
4-1/2"	7/8"			115440	112440	114440	120	13,300	25
4-1/2"	5/8"-11			125405	122405	124405	16	13,300	25
4-1/2"	5/8"-11	S127410	S128410	125410	122410	124410	24	13,300	25
4-1/2"	5/8"-11	S127415	S128415	125415	122415	124415	36	13,300	25
4-1/2"	5/8"-11	S127420	S128420	125420	122420	124420	50	13,300	25
4-1/2"	5/8"-11	S127425	S128425	125425	122425	124425	60	13,300	25
4-1/2"	5/8"-11	S127430	S128430	125430	122430	124430	80	13,300	25
4-1/2"	5/8"-11			125435	122435	124435	100	13,300	25
4-1/2"	5/8"-11			125440	122440	124440	120	13,300	25
5"	7/8"			115505	112505	114505	16	12,000	25
5"	7/8"	S117510	S118510	115510	112510	114510	24	12,000	25
5"	7/8"	S117515	S118515	115515	112515	114515	36	12,000	25
5"	7/8"	S117520	S118520	115520	112520	114520	50	12,000	25
5"	7/8"	S117525	S118525	115525	112525	114525	60	12,000	25
5"	7/8"	S117530	S118530	115530	112530	114530	80	12,000	25
5"	7/8"			115535	112535	114535	100	12,000	25
5"	7/8"			115540	112540	114540	120	12,000	25



MULTI-PURPOSE,
MARBLE, STONE,
TERRAZZO AND TITANIUM



RESIN FIBRE DISCS

AO

ALUMINUM OXIDE

LIGHTNING PERFORMANCE

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

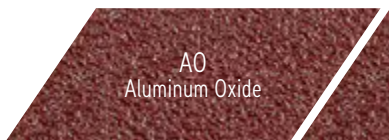
SC

SILICON CARBIDE

LIGHTNING PERFORMANCE

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

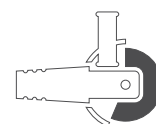
Diameter	Arbor Hole	SGP Premium Ceramic Super-Sized	SGLP Ceramic Lite Super-Sized	AZ Alumina Zirconia	AO Aluminum Oxide	SC Silicon Carbide	Grit	Max RPM	Box Qty
5"	5/8"-11			125505	122505	124505	16	12,000	25
5"	5/8"-11	S127510	S128510	125510	122510	124510	24	12,000	25
5"	5/8"-11	S127515	S128515	125515	122515	124515	36	12,000	25
5"	5/8"-11	S127520	S128520	15520	122520	124520	50	12,000	25
5"	5/8"-11	S127525	S128525	125525	122525	124525	60	12,000	25
5"	5/8"-11	S127530	S128530	125530	122530	124530	80	12,000	25
5"	5/8"-11			125535	122535	124535	100	12,000	25
5"	5/8"-11			125540	122540	124540	120	12,000	25
7"	7/8"			115705	112705	114705	16	8,600	25
7"	7/8"	S117710	S118710	115710	112710	114710	24	8,600	25
7"	7/8"	S117715	S118715	115715	112715	114715	36	8,600	25
7"	7/8"	S117720	S118720	115720	112720	114720	50	8,600	25
7"	7/8"	S117725	S118725	115725	112725	114725	60	8,600	25
7"	7/8"	S117730	S118730	115730	112730	114730	80	8,600	25
7"	7/8"			115735	112735	114735	100	8,600	25
7"	7/8"			115740	112740	114740	120	8,600	25
7"	5/8"-11			125705	122705	124705	16	8,600	25
7"	5/8"-11	S127710	S128710	125710	122710	124710	24	8,600	25
7"	5/8"-11	S127715	S128715	125715	122715	124715	36	8,600	25
7"	5/8"-11	S127720	S128720	125720	122720	124720	50	8,600	25
7"	5/8"-11	S127725	S128725	125725	122725	124725	60	8,600	25
7"	5/8"-11	S127730	S128730	125730	122730	124730	80	8,600	25
7"	5/8"-11			125735	122735	124735	100	8,600	25
7"	5/8"-11			125740	122740	124740	120	8,600	25
9"	7/8"			115905	112905	114905	16	6,600	25
9"	7/8"			115910	112910	114910	24	6,600	25
9"	7/8"			115915	112915	114915	36	6,600	25
9"	7/8"			115920	112920	114920	50	6,600	25
9"	7/8"			115925	112925	114925	60	6,600	25
9"	7/8"			115930	112930	114930	80	6,600	25
9"	7/8"			115935	112935	114935	100	6,600	25
9"	7/8"			115940	112940	114940	120	6,600	25
9"	5/8"-11			125905	122905	124905	16	6,600	25
9"	5/8"-11			125910	122910	124910	24	6,600	25
9"	5/8"-11			125915	122915	124915	36	6,600	25
9"	5/8"-11			125920	122920	124920	50	6,600	25
9"	5/8"-11			125925	122925	124925	60	6,600	25
9"	5/8"-11			125930	122930	124930	80	6,600	25
9"	5/8"-11			125935	122935	124935	100	6,600	25
9"	5/8"-11			125940	122940	124940	120	6,600	25



AO
Aluminum Oxide



SC
Silicon Carbide





quick-change FIBRE-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.

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.

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



Diameter	SGP Premium Ceramic Super-Sized	SGLP Ceramic Lite Super-Sized	AZ Alumina Zirconia	Wheel Type R	Grit	Box Qty
2"	S137210	S138210	135210	Type R	24	100
2"	S137215	S138215	135215	Type R	36	100
2"	S137220	S138220	135220	Type R	50	100
2"	S137225	S138225	135225	Type R	60	100
2"	S137230	S138230	135230	Type R	80	100
3"	S137310	S138310	135310	Type R	24	50
3"	S137315	S138315	135315	Type R	36	50
3"	S137320	S138320	135320	Type R	50	50
3"	S137325	S138325	135325	Type R	60	50
3"	S137330	S138330	135330	Type R	80	50



Diameter	SGP Premium Ceramic Super-Sized	SGLP Ceramic Lite Super-Sized	AZ Alumina Zirconia	Wheel Type S	Grit	Box Qty
2"	S507210	S508210	505210	Type S	24	100
2"	S507215	S508215	505215	Type S	36	100
2"	S507225	S508225	505225	Type S	50	100
2"	S507230	S508230	505230	Type S	60	100
2"	S507235	S508235	505235	Type S	80	100
3"	S507310	S508310	505310	Type S	24	50
3"	S507315	S508315	505315	Type S	36	50
3"	S507325	S508325	505325	Type S	50	50
3"	S507330	S508330	505330	Type S	60	50
3"	S507335	S508335	505335	Type S	80	50

SGP
Premium Ceramic
Super-Sized

SGLP
Ceramic-Lite
Super-Sized

AZ
Alumina
Zirconia



ALL MATERIALS
GRINDING, BLENDING AND
FINISHING



quick-change CLOTH-BACKED DISCS

Marvel offers a full range of flexible, cloth-backed 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.

With just a half-twist they easily assemble on like-sized holder pads. Our product range includes general purpose to high-performance options so you can select the product that is best suited for your particular needs.

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



TYPE R



Diameter	SGP+ Premium Ceramic Super-Sized	SGP Ceramic Super-Sized	AZP Alumina Zirconia	AO Aluminum Oxide - Compact Grain	AO Aluminum Oxide	Wheel Type R	Grit	Box Qty
1-1/2"	159110-880	159110	191110		141110	Type R	24	100
1-1/2"	159115-880	159115	191115		141115	Type R	36	100
1-1/2"	159120-880	159120	191120		141120	Type R	40	100
1-1/2"	159125-880	159125	191125		141125	Type R	50	100
1-1/2"	159130-880	159130	191130		141130	Type R	60	100
1-1/2"	159135-880	159135	191135	140135	141135	Type R	80	100
1-1/2"	159140-880	159140	191140		141140	Type R	100	100
1-1/2"	159145-880	159145	191145	140145	141145	Type R	120	100
1-1/2"					141150	Type R	150	100
1-1/2"				140155	141155	Type R	180	100
1-1/2"				140165	141165	Type R	240	100
1-1/2"				140175	141175	Type R	320	100
1-1/2"				140180		Type R	400	100
1-1/2"				140190		Type R	600	100
2"	159210-880	159210	191210		141210	Type R	24	100
2"	159215-880	159215	191215		141215	Type R	36	100
2"	159220-880	159220	191220		141220	Type R	40	100
2"	159225-880	159225	191225		141225	Type R	50	100
2"	159230-880	159230	191230		141230	Type R	60	100
2"	159235-880	159235	191235	140235	141235	Type R	80	100
2"	159240-880	159240	191240		141240	Type R	100	100
2"	159245-880	159245	191245	140245	141245	Type R	120	100
2"					141250	Type R	150	100
2"				140255	141255	Type R	180	100
2"				140265	141265	Type R	240	100
2"				140275	141275	Type R	320	100
2"				140280		Type R	400	100
2"				140290		Type R	600	100
3"	159310-880	159310	191310		141310	Type R	24	50
3"	159315-880	159315	191315		141315	Type R	36	50
3"	159320-880	159320	191320		141320	Type R	40	50
3"	159325-880	159325	191325		141325	Type R	50	50
3"	159330-880	159330	191330		141330	Type R	60	50
3"	159335-880	159335	191335	140335	141335	Type R	80	50
3"	159340-880	159340	191340		141340	Type R	100	50
3"	159345-880	159345	191345	140345	141345	Type R	120	50
3"					141350	Type R	150	50
3"				140355	141355	Type R	180	50
3"				140365	141365	Type R	240	50
3"				140375	141375	Type R	320	50
3"				140380		Type R	400	50
3"				140390		Type R	600	50



ALL MATERIALS
GRINDING, BLENDING AND
FINISHING



quick-change CLOTH-BACKED DISCS

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 quick-change disc products
- » Our Type-R fasteners are color-coded for easy grit recognition
- » Our options for satisfying virtually any application requirement are limitless

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.



TYPE S



Diameter	SGP+ Premium Ceramic Super-Sized	SGP Ceramic Super-Sized	AZP Alumina Zirconia	AO Aluminum Oxide - Compact Grain	AO Aluminum Oxide	Wheel Type S	Grit	Box Qty
1-1/2"	169110-880	169110	192110		145110	Type S	24	100
1-1/2"	169115-880	169115	192115		145115	Type S	36	100
1-1/2"	169120-880	169120	192120		145120	Type S	40	100
1-1/2"	169125-880	169125	192125		145125	Type S	50	100
1-1/2"	169130-880	169130	192130		145130	Type S	60	100
1-1/2"	169135-880	169135	192135	160135	145135	Type S	80	100
1-1/2"	169140-880	169140	192140		145140	Type S	100	100
1-1/2"	169145-880	169145	192145	160145	145145	Type S	120	100
1-1/2"					145150	Type S	150	100
1-1/2"				160155	145155	Type S	180	100
1-1/2"				160165	145165	Type S	240	100
1-1/2"				160175	145175	Type S	320	100
1-1/2"				160180		Type S	400	100
1-1/2"				160190		Type S	600	100
2"	169210-880	169210	192210		145210	Type S	24	100
2"	169215-880	169215	192215		145215	Type S	36	100
2"	169220-880	169220	192220		145220	Type S	40	100
2"	169225-880	169225	192225		145225	Type S	50	100
2"	169230-880	169230	192230		145230	Type S	60	100
2"	169235-880	169235	192235	160235	145235	Type S	80	100
2"	169240-880	169240	192240		145240	Type S	100	100
2"	169245-880	169245	192245	160245	145245	Type S	120	100
2"					145250	Type S	150	100
2"				160255	145255	Type S	180	100
2"				160265	145265	Type S	240	100
2"				160275	145275	Type S	320	100
2"				160280		Type S	400	100
2"				160290		Type S	600	100
3"	169310-880	169310	192310		145310	Type S	24	50
3"	169315-880	169315	192315		145315	Type S	36	50
3"	169320-880	169320	192320		145320	Type S	40	50
3"	169325-880	169325	192325		145325	Type S	50	50
3"	169330-880	169330	192330		145330	Type S	60	50
3"	169335-880	169335	192335	160335	145335	Type S	80	50
3"	169340-880	169340	192340		145340	Type S	100	50
3"	169345-880	169345	192345	160345	145345	Type S	120	50
3"					145350	Type S	150	50
3"				160355	145355	Type S	180	50
3"				160365	145365	Type S	240	50
3"				160375	145375	Type S	320	50
3"				160380		Type S	400	50
3"				160390		Type S	600	50





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 three-dimensional 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 contaminants. 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.



WIDE RANGE OF MATERIALS
INCLUDING CARBON-BASED
ALLOYS, ALUMINUM AND
STAINLESS STEEL



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-to-reach 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



Diameter	Large Diameter 5/8"-11 Type S	Grit	Color	Box Qty
4"	362300-02	HD CRS	Dark Brown	25
4"	362302-02	HD MED	Dark Maroon	25
4"	362301-02	A CRS	Brown	25
4"	362303-02	A MED	Maroon	25
4"	362304-02	A VFN	Blue	25
4"	362305-02	S UFN	Grey	25
4-1/2"	362018-02	HD CRS	Dark Brown	10
4-1/2"	362017-02	HD MED	Dark Maroon	10
4-1/2"	362346-02	A CRS	Brown	10
4-1/2"	362345-02	A MED	Maroon	10
4-1/2"	362344-02	A VFN	Blue	10
4-1/2"	362343-02	S UFN	Grey	10
5"	362012-02	HD CRS	Dark Brown	10
5"	362010-02	HD MED	Dark Maroon	10
5"	362327-02	A CRS	Brown	10
5"	362326-02	A MED	Maroon	10
5"	362325-02	A VFN	Blue	10
5"	362324-02	S UFN	Grey	10
7"	362015-02	HD CRS	Dark Brown	10
7"	362316-02	HD MED	Dark Maroon	10
7"	362350-02	A CRS	Brown	10
7"	362349-02	A MED	Maroon	10
7"	362348-02	A VFN	Blue	10
7"	362347-02	S UFN	Grey	10

Diameter	Type R	Type S	Grit	Color	Box Qty
1-1/2"	363116-02	364116-02	HD CRS	Dark Brown	100
1-1/2"	363119-02	364119-02	HD MED	Dark Maroon	100
1-1/2"	363102-02	364102-02	A CRS	Brown	100
1-1/2"	363101-02	364101-02	A MED	Maroon	100
1-1/2"	363100-02	364100-02	A VFN	Blue	100
1-1/2"	363099-02	364099-02	S UFN	Grey	100
2"	363120-02	364120-02	HD CRS	Dark Brown	50
2"	363122-02	364122-02	HD MED	Dark Maroon	50
2"	363106-02	364106-02	A CRS	Brown	50
2"	363105-02	364105-02	A MED	Maroon	50
2"	363104-02	364104-02	A VFN	Blue	50
2"	363103-02	364103-02	S UFN	Grey	50
3"	363123-02	364123-02	HD CRS	Dark Brown	25
3"	363121-02	364121-02	HD MED	Dark Maroon	25
3"	363110-02	364110-02	A CRS	Brown	25
3"	363109-02	364109-02	A MED	Maroon	25
3"	363108-02	364108-02	A VFN	Blue	25
3"	363107-02	364107-02	S UFN	Grey	25
4"	363124-02	364124-02	HD CRS	Dark Brown	25
4"	363125-02	364125-02	HD MED	Dark Maroon	25
4"	363114-02	364114-02	A CRS	Brown	25
4"	363113-02	364113-02	A MED	Maroon	25
4"	363112-02	364112-02	A VFN	Blue	25
4"	363111-02	364111-02	S UFN	Grey	25

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 77.

Cross-Reference Conventional Grit Range

Surface Conditioning Material Grade	Grit	Equivalent Surface Finish
Heavy Duty Coarse	HD CRS	50-60
Heavy Duty Medium	HD MED	60-80
AO Coarse	A CRS	80
AO Medium	A MED	100-120
AO Very Fine	A VFN	180-240
AO Ultra Fine	S UFN	280-320



WIDE RANGE OF MATERIALS
INCLUDING CARBON-BASED
ALLOYS, ALUMINUM AND
STAINLESS STEEL



hook and loop 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



IN THE KNOW...

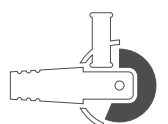
Discs with 7/8" arbor hole can be secured to a resin fibre disc back-up pad using a centering pad nut or on a Marvel-designed gripper pad having a 7/8" centering post. (Only available in 4-1/2", 5" and 7" pad diameters).

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.

Diameter	No Arbor Hole	7/8" Arbor Hole	3/8" Arbor Hole	Grit	Color	Box Qty
4"	362001-02	362439-02		HD CRS	Dark Brown	20
4"	362003-02	362437-02		HD MED	Dark Maroon	20
4"	362114-02	362438-02		A CRS	Brown	20
4"	362113-02	362436-02		A MED	Maroon	20
4"	362112-02	362435-02		A VFN	Blue	20
4"	362111-02	362434-02		S UFN	Grey	20
4-1/2"	362008-02	362351-02	362420-02	HD CRS	Dark Brown	20
4-1/2"	362007-02	362341-02	362419-02	HD MED	Dark Maroon	20
4-1/2"	362118-02	362317-02	362418-02	A CRS	Brown	20
4-1/2"	362117-02	362318-02	362417-02	A MED	Maroon	20
4-1/2"	362116-02	362319-02	362416-02	A VFN	Blue	20
4-1/2"	362115-02	362316-02		S UFN	Grey	20
5"	362002-02	362340-02		HD CRS	Dark Brown	20
5"	362000-02	362339-02		HD MED	Dark Maroon	20
5"	362122-02	362322-02		A CRS	Brown	20
5"	362121-02	362321-02		A MED	Maroon	20
5"	362120-02	362320-02		A VFN	Blue	20
5"	362119-02	362311-02		S UFN	Grey	20
7"	362005-02	362335-02		HD CRS	Dark Brown	10
7"	362006-02	362336-02		HD MED	Dark Maroon	10
7"	362130-02	362330-02		A CRS	Brown	10
7"	362129-02	362337-02		A MED	Maroon	10
7"	362128-02	362338-02		A VFN	Blue	10
7"	362127-02	362331-02		S UFN	Grey	10

Note: See Page 78 for Hook & Loop Gripper Pads.





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

Diameter	Arbor	Aluminum Oxide	Silicon Carbide	Grit	Max RPM	Box Qty
4-1/2"	7/8"	171405	172405	16	12,000	25
4-1/2"	7/8"	171410	172410	24	12,000	25
4-1/2"	7/8"	171415	172415	36	12,000	25
7"	7/8"	171705	172705	16	8,500	25
7"	7/8"	171710	172710	24	8,500	25
7"	7/8"	171715	172715	36	8,500	25

Aluminum Oxide

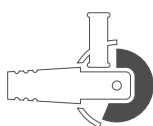
Tough, durable mineral is particularly recommended for metalworking applications such as carbon based alloys, stainless steels, iron, bronze and aluminum.

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.

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



**FERROUS AND NON-FERROUS
MATERIALS, FIBERGLASS,
PLASTICS, STONE AND WOOD**



quick-change MARVELStrip™ DISCS

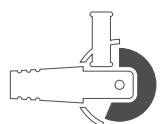
Made with an open web-like structure of heavy-duty synthetic fibres and coarse silicon carbide abrasive grain, bonded together by a smear-resistant resin system, MARVELStrip™ discs will quickly and aggressively clean with little or no loading.

- » 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

MARVELStrip™ 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.

Diameter	MarvelStrip Discs Quick-Change	Grit	Max RPM	Box Qty
2"	368700-02	HD X CRS	15,500	50
3"	368701-02	HD X CRS	12,000	25
4"	368702-02	HD X CRS	8,000	10





clean and finish HAND PADS

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.

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.

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:

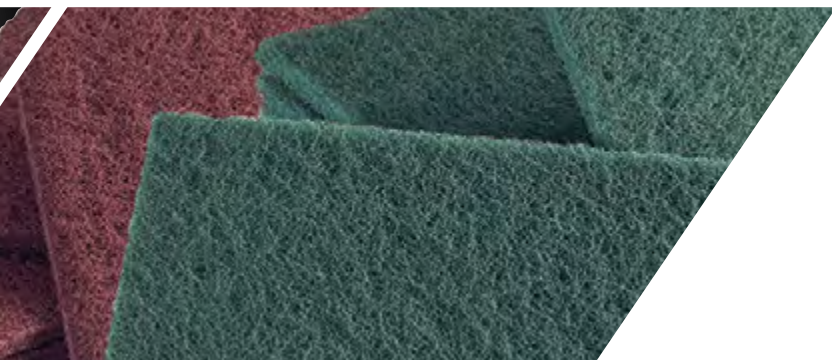
The standard of the industry. Extremely popular for its combination of toughness, reliable performance and overall versatility. Available in both premium and economy grades.

Diameter	Hand Pads	Grit	Color	Box Qty
6" x 9"	368104	A Heavy Duty (100)	Tan	60
6" x 9"	368103	S Medium (120)	Black	60
6" x 9"	368102	A VFN/Premium (320)	Maroon	60
6" x 9"	368116	A VFN/Economy (320)	Maroon	60
6" x 9"	368105	General Purpose (320)	Green	60
6" x 9"	368101	S UFN (600)	Grey	60
6" x 9"	368100	Non-Abrasive (No Grit)	White	60

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

CROSS-REFERENCE CONVENTIONAL GRIT RANGE

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



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.



ACCESSORIES

RESIN FIBRE DISC BACK-UP PADS

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 heavy-duty 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

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

HEAVY-DUTY MARVEEDGE PADS:

- » Designed for use with resin fibre discs having 5/8"-11 quick-change metal inserts
- » Features a vented, air-cooled pad surface to minimize heat generation
- » Configuration of the pads perimeter surface channels provide grinding edges for faster rates-of-cut
- » Long lasting durability

MARVELITE PADS:

- » Exception choice for general purpose pads for additional cost reduction



Part #379101



Part #371100



ACCESSORIES

RESIN FIBRE DISC BACK-UP PADS

- » Polypropylene General Purpose Air-Cooled Face
- » Polypropylene General Purpose Smooth Face
- » Rubber Heavy Duty Air-Cooled Face
- » Rubber Heavy Duty Smooth Face
- » Marveledge Heavy Duty Air-Cooled Face

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

Diameter	Arbor Hole	Poly Pads - General Purpose Air-Cooled Face	Poly Pads - General Purpose Smooth Face	Rubber Pads Heavy Duty Air-Cooled Face	Rubber Pads Heavy Duty Smooth Face	Marveledge Pads Heavy Duty Air-Cooled Face	Marvelite Pads	Flex	Max RPM	Box Qty
4"	3/8"	378100	378200					Med	20,000	1
4"	3/8"-24			379100	379200			Med	13,500	1
4-1/2"	5/8"	378101	378201				374102	Med	20,000	1
4-1/2"	5/8"					371111		Flex	13,000	1
4-1/2"	5/8"					371100		Med	13,000	1
4-1/2"	5/8"-11			379101	379201			Med	13,500	1
5"	5/8"	378102	378202				374103	Med	18,000	1
5"	5/8"					371112		Flex	10,000	1
5"	5/8"					371101		Med	10,000	1
5"	5/8"-11			379102	379202			Med	13,000	1
7"	5/8"	378104	378204					Med	10,000	1
7"	5/8"-11			379104	379204			Med	8,600	1
7"	5/8"-11			379105	379205			Firm	8,600	1
9"	5/8"	378105	378205					Med	8,000	1
9"	5/8"-11			379106	379206			Med	6,600	1
9"	5/8"-11			379107	379207			Firm	6,600	1

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.

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



Description	Diameter	Part No.	Box Qty
Resin Fibre Disc Pad Nut	5/8"-11	373100	1
Resin Fibre Disc Pad Nut	3/4"-24	373112	1
Resin Fibre Disc Adjustable Spanner Wrench		377100	1
Resin Fibre Disc Trimmer Set with Blade		412100	1
Resin Fibre Disc Trimmer Replacement Blade		412101	1
Flange Adaptor	4-1/2" x 7/8"	97503	1

ADJUSTABLE SPANNER WRENCH

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



ACCESSORIES

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 high-performance.



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

IN THE KNOW...

What are the arbor adapters and how are they used?

Most all quick-change discs are used with air-driven, 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!

Diameter	Premium Type R Air-Cooled	Premium Type S Air-Cooled	Conventional Rubber Pads Type R	Conventional Rubber Pads Type S	Flex	Max RPM	Box Qty
1-1/2"	383105	384105			Medium/Firm	30,000	1
2"	383106	384106			Medium/Firm	30,000	1
3"	383107	384107			Medium/Firm	20,000	1
4"	383108	384108			Medium/Firm	15,000	1
1-1/2"			381100	382100	Medium	30,000	1
2"			381101	382101	Medium	25,000	1
3"			381102	382102	Medium	20,000	1
4"			381103	382103	Medium	10,000	1

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

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

QUICK-CHANGE HOLDER PAD ACCESSORIES

Part No.	Description	Box Qty
385100	1/4" Replacement Mandrel	10
385101	1/4"-20 to 3/8"-24 Adapter	1
385103	1/4"-20 to 7/16"-20 Adapter	1
385102	1/4"-20 to 5/8"-11 Adapter	1





ACCESSORIES

HOOK & LOOP SURFACE CONDITIONING DISCS GRIPPER PADS

- » Standard Pad - Solid Surface
- » 7/8" Center Post Pad

Diameter	Arbor	Standard Pad Solid Surface	7/8" Center Post Pad	Max RPM	Box Qty
4"	1/4" Shank	391103		13,000	1
4"	5/8"-11	393108		13,000	1
4-1/2"	5/8"-11	393100	392100	12,000	1
5"	5/8"-11	393101	392101	10,000	1
7"	5/8"-11	393103	392103	6,000	1





Professional Flap Disc Solutions



Made in Italy



Distributed in USA

www.tafabrasivesusa.com



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 will give you outstanding finish results.

QUALITY TO THE CORE

Our commitment to quality starts with defining the most rigorous guidelines for raw materials, process, procedures and quality monitoring. We are proud of our state-of-the-art maker, conversion operations and commitment to a quality management system certified to ISO 9001:2015. Every stage of our business ecosystem functions with a comprehensive set of guidelines, procedures and audits to assure that we meet the desired specifications for our products and service. Commitment to "total performance" you can rely on and we live by.

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 abrasives. TAF invented the flap disc and the company is unique in that they produced the actual abrasive cloth that makes the discs. With extensive R&D, proprietary formulations and a sophisticated manufacturing process, TAF produces unmatched material for flap disc production.



Celebrating 70 Years Experience



Bullard Abrasives and TAF Abrasivi have been united since 2019 to supply best-in-class abrasives to professional markets throughout North America. 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.

TAF controls the entire production cycle, from raw materials up to the finished product, in order to guarantee the highest quality.

CARBON STEEL, STAINLESS STEEL AND ALUMINUM



flap discs ZOOM



ZIRCONIUM FLAP DISCS

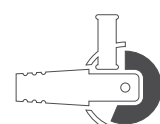
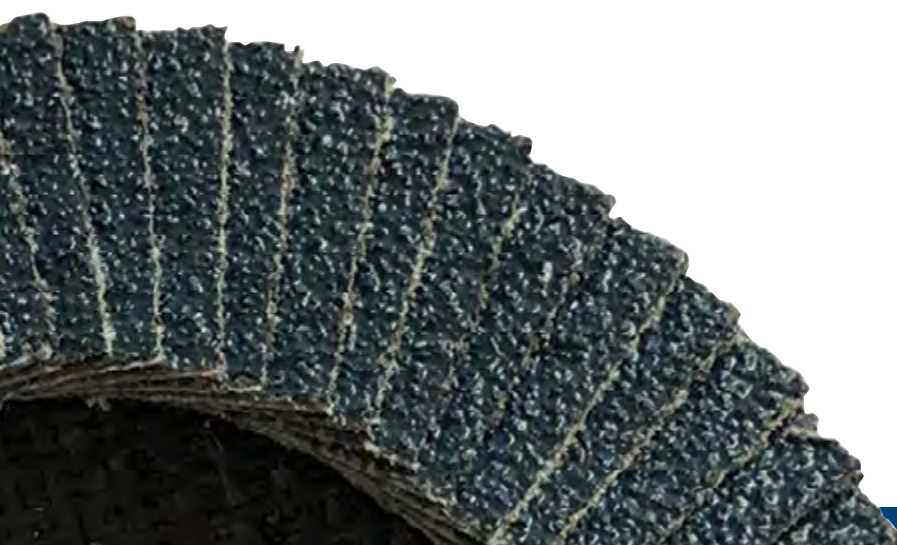
FIBERGLASS BACKING

Persistent stock removal at economic rates. Best on carbon steel and aluminum, it has an outstanding price/performance ratio. Poly-cotton backing cloth also assures a longer life than the standard cotton discs. The Zoom is free of iron, sulfur and chlorine (<0.1% Fe, S, Cl).



SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM
■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■	■ ■ ■ ■ ■

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34004	34014	40	13,200	20
4-1/2"	7/8"	34006	34016	60	13,200	20
4-1/2"	7/8"	34008	34018	80	13,200	20
4-1/2"	5/8"-11	35004	35014	40	13,200	10
4-1/2"	5/8"-11	35006	35016	60	13,200	10
4-1/2"	5/8"-11	35008	35018	80	13,200	10





flap discs **ZOOM** HIGH DENSITY



ZIRCONIUM FLAP DISCS

FIBERGLASS BACKING

Flap discs with high density configuration for a superior durability offered by the high amount of flaps in poly-cotton cloth with Zirconium abrasive, bonded to a fiberglass backing. (<0.1% Fe, S, Cl).

CONTAMINATION FREE

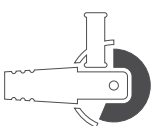
MEDIUM WORKING PRESSURE

LONG WORKING LIFE

HIGH DENSITY

SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM
█	█	█	█

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34704	34714	40	13,200	20
4-1/2"	7/8"	34706	34716	60	13,200	20
4-1/2"	7/8"	34708	34718	80	13,200	20
4-1/2"	5/8"-11	35704	35714	40	13,200	10
4-1/2"	5/8"-11	35706	35716	60	13,200	10
4-1/2"	5/8"-11	35708	35718	80	13,200	10



CARBON STEEL, STAINLESS STEEL, EXOTIC METALS AND ALUMINUM



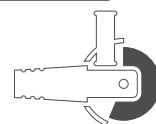
flap discs INDUSTRIAL LONG WORKING LIFE



ZIRCONIUM FLAP DISCS FIBERGLASS BACKING

This range of products is the base of the remarkable success of the TAF flap discs all over the world. These flap discs are made with unique abrasive cloth that TAF exclusively designed and produced for these discs. This range exhibits high temperature and pressure resistance, resulting in a disc offering exceptional long working life. It is ideally suited, at medium-high working pressure, for any steel and metal work, as well as, in foundry applications. The discs are all iron, sulfur and chlorine free (<0.1% Fe, S, Cl).

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4"	5/8"	36444	36424	40	15,000	20
4"	5/8"	36446	36426	60	15,000	20
4"	5/8"	36448	36428	80	15,000	20
4-1/2"	7/8"	36643	36623	36	13,200	20
4-1/2"	7/8"	36644	36624	40	13,200	20
4-1/2"	7/8"	36646	36626	60	13,200	20
4-1/2"	7/8"	36648	36628	80	13,200	20
4-1/2"	5/8"-11	37643	37623	36	13,200	10
4-1/2"	5/8"-11	37644	37624	40	13,200	10
4-1/2"	5/8"-11	37646	37626	60	13,200	10
4-1/2"	5/8"-11	37648	37628	80	13,200	10
5"	7/8"	36544	36524	40	12,000	20
5"	7/8"	36546	36526	60	12,000	20
5"	7/8"	36548	36528	80	12,000	20
5"	5/8"-11	37544	37524	40	12,000	10
5"	5/8"-11	37546	37526	60	12,000	10
5"	5/8"-11	37548	37528	80	12,000	10
6"	7/8"	-	36824	40	10,200	10
6"	7/8"	-	36826	60	10,200	10
6"	7/8"	-	36828	80	10,200	10
6"	5/8"-11	-	37824	40	10,200	10
6"	5/8"-11	-	37826	60	10,200	10
6"	5/8"-11	-	37828	80	10,200	10
7"	7/8"	36743	36723	36	8,500	10
7"	7/8"	36744	36724	40	8,500	10
7"	7/8"	36746	36726	60	8,500	10
7"	7/8"	36748	36728	80	8,500	10
7"	7/8"	-	36720	120	8,500	10
7"	5/8"-11	37743	37723	36	8,500	10
7"	5/8"-11	37744	37724	40	8,500	10
7"	5/8"-11	37746	37726	60	8,500	10
7"	5/8"-11	37748	37728	80	8,500	10
7"	5/8"-11	-	37720	120	8,500	10



CARBON STEEL, STAINLESS STEEL, EXOTIC METALS, ALUMINUM, TITANIUM



flap discs ZIRCO-CERAMIC

MEDIUM DUTY



FIBERGLASS BACKING

These flap discs are manufactured using a top size cloth bonded with a mixture of zirconium and ceramic grains. This special combination of high quality materials emphasizes its very fast stock removal rates coupled with an exceptional working life. In addition, these discs offer high temperature resistance at medium/high working pressure. They are suitable for stainless steel, forged metals, carbon steel and exotic metals. Particularly recommended for applications on titanium. The blue color cloth is free of iron oxides to prevent any stainless steel contamination, added to which the discs are all iron, sulfur and chlorine free. (<0.1% Fe, S, Cl)

COOL GRINDING

CONTAMINATION FREE

MEDIUM WORKING PRESSURE

MEDIUM/THIN THICKNESS SURFACES

FAST STOCK REMOVAL

SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM

UNMATCHED PERFORMANCES

The premium zirco-ceramic cloth combines the extremely fast cutting action of the zirconium together with the longer lasting life of the ceramic grains.

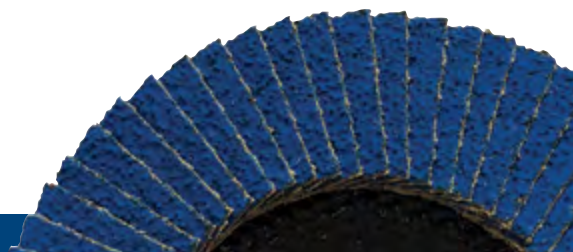
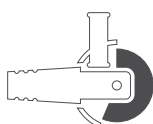
TEMPERATURE UNDER CONTROL

The top-size coating increases grinding performances and reduces pressure-generated heat, preventing bluing or other discolorations of the workpiece surface.



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www.bullardabrasives.com/media

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34084	34094	40	13,200	20
4-1/2"	7/8"	34086	34096	60	13,200	20
4-1/2"	7/8"	34088	34098	80	13,200	20
4-1/2"	7/8"	34080	34090	120	13,200	20
4-1/2"	5/8"-11	35084	35094	40	13,200	10
4-1/2"	5/8"-11	35086	35096	60	13,200	10
4-1/2"	5/8"-11	35088	35098	80	13,200	10
4-1/2"	5/8"-11	35080	35090	120	13,200	10
5"	7/8"	34104	34114	40	12,000	20
5"	7/8"	34106	34116	60	12,000	20
5"	7/8"	34108	34118	80	12,000	20
5"	5/8"-11	35104	35114	40	12,000	10
5"	5/8"-11	35106	35116	60	12,000	10
5"	5/8"-11	35108	35118	80	12,000	10
6"	7/8"	-	34134	40	10,200	10
6"	7/8"	-	34136	60	10,200	10
6"	7/8"	-	34138	80	10,200	10
6"	5/8"-11	-	35134	40	10,200	10
6"	5/8"-11	-	35136	60	10,200	10
6"	5/8"-11	-	35138	80	10,200	10



CARBON STEEL,
STAINLESS STEEL, EXOTIC
METALS, AND ALUMINUM



flap discs CERAMIC

HEAVY DUTY

FIBERGLASS BACKING

Flap disc manufactured using a top size cloth in ceramic abrasive blend specifically designed for flap disc production. Its top size coat guarantees high temperature resistance and the special ceramic abrasive blend provides great performance at high working pressure.

This disc is suitable for heavy duty applications like edge deburring, beveling and aggressive weld removal. Particularly recommended on exotic metals, sintered alloys and other hard metals. The bright red color is obtained from special pigments free of iron oxides to prevent any stainless steel contamination. (<0.1% Fe, S, Cl)



COOL GRINDING	CONTAMINATION FREE	HIGH WORKING PRESSURE	HIGH THICKNESS SURFACES	LONG WORKING LIFE

SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	38643	38623	36	13,200	20
4-1/2"	7/8"	38644	38624	40	13,200	20
4-1/2"	7/8"	38646	38626	60	13,200	20
4-1/2"	7/8"	38648	38628	80	13,200	20
4-1/2"	5/8"-11	39643	39623	36	13,200	10
4-1/2"	5/8"-11	39644	39624	40	13,200	10
4-1/2"	5/8"-11	39646	39626	60	13,200	10
4-1/2"	5/8"-11	39648	39628	80	13,200	10



CARBON STEEL,
STAINLESS STEEL
AND EXOTIC METALS



flap discs ZIRCO-CERAMIC HIGH DENSITY



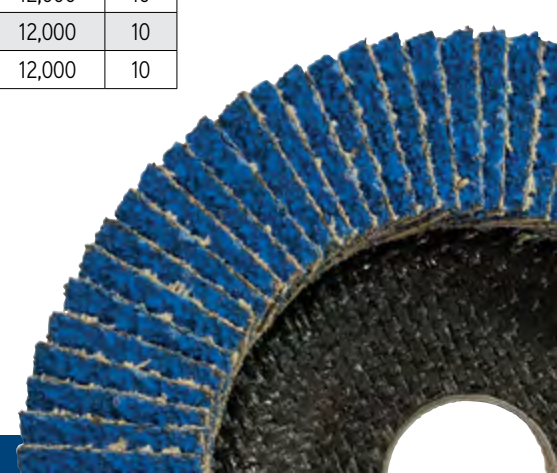
ZIRCO-CERAMIC - FIBERGLASS BACKING

Flap discs with high density configuration. Fast stock removal coupled with a long durability offered by the high amount of premium zirco-ceramic cloth. The top size coat guarantees cool grinding and efficiency at medium and medium-high working pressure. (<0.1% Fe, S, Cl)

 COOL GRINDING	 CONTAMINATION FREE	 MEDIUM WORKING PRESSURE
 FAST STOCK REMOVAL	 LONG WORKING LIFE	 HIGH DENSITY

SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM
			

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34744	34754	40	13,200	20
4-1/2"	7/8"	34746	34756	60	13,200	20
4-1/2"	7/8"	34748	34758	80	13,200	20
4-1/2"	5/8"-11	35744	35754	40	13,200	10
4-1/2"	5/8"-11	35746	35756	60	13,200	10
4-1/2"	5/8"-11	35748	35758	80	13,200	10
5"	7/8"	34764	34774	40	12,000	20
5"	7/8"	34766	34776	60	12,000	20
5"	7/8"	34768	34778	80	12,000	20
5"	5/8"-11	35764	35774	40	12,000	10
5"	5/8"-11	35766	35776	60	12,000	10
5"	5/8"-11	35768	35778	80	12,000	10







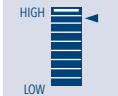

flap discs BIOTAF





ZIRCONIUM FLAP DISCS - CARTON FIBER BACKING

These flap discs are made with a state-of-the-art machinery with a patented backing pad in extremely eco-friendly carton fiber, ensuring the flap discs very high strength and efficiency during grinding. This particular backing ensures remarkable vibrations reduction and a soft approach. Suitable for universal grinding applications on carbon steel at moderate working pressure.

BIOTAF can also be used for heavy duty applications providing it is mounted using a special plastic backing pad (Part #IM7244 - see below), which turns the disc into a more aggressive tool. (<0.1% Fe, S, Cl)

 CONTAMINATION FREE	 MEDIUM-LOW WORKING PRESSURE	 BACKING FLEXIBILITY	 BIO
----------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------

SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM
			

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34164	34174	40	13,200	20
4-1/2"	7/8"	34166	34176	60	13,200	20
4-1/2"	7/8"	34168	34178	80	13,200	20

WHY BIOTAF?

- BIOTAF is a TAF exclusive - patent pending
- Totally made in Italy - no exceptions
- Complete control of production process of backing, cloth and assembly
- Eco-friendly industrial tool with attractive price
- Fiberglass price is increasing
- Any competitor can offer fiberglass flap discs
- Backing is easier to recycle vs. fiberglass

BACKING PAD

Part #	Description	Box Qty
IM7244	Plastic Backing Pad	1



<https://vimeo.com/412458135>
www.bullardabrasives.com/media
www.tafabrasivesusa.com/media



WITHOUT BACKING PAD

- Vibrations reduction
- Soft approach
- More comfort



WITH BACKING PAD

- More aggressive approach
- Fast stock removal
- Improved performance

CARBON STEEL,
STAINLESS STEEL, EXOTIC
METALS AND ALUMINUM



flap discs CIP

ZIRCONIUM FLAP DISCS - PLASTIC BACKING

Universal flap discs with plastic backing pad and zirconium abrasive. Remarkable performances achievable on carbon steel and stainless steel at medium and medium-low working pressure. (<0.1% Fe, S, Cl)



SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM
████████	████████	████████	████████

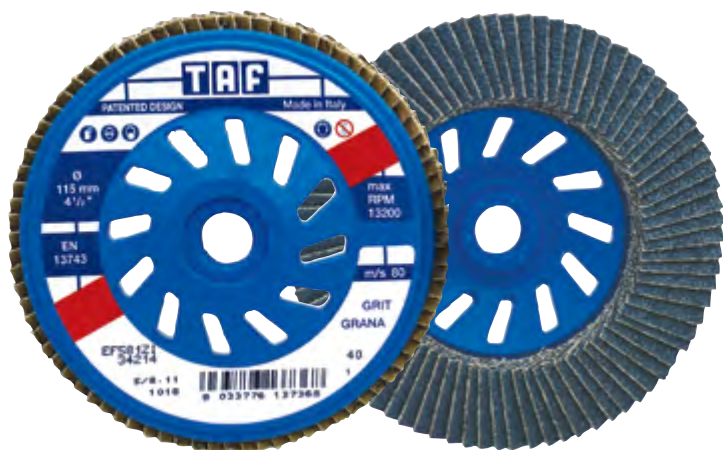
Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34244	34254	40	13,200	20
4-1/2"	7/8"	34246	34256	60	13,200	20
4-1/2"	7/8"	34248	34258	80	13,200	20
4-1/2"	7/8"	34240	34250	120	13,200	20
4-1/2"	5/8"-11	35244	35254	40	13,200	10
4-1/2"	5/8"-11	35246	35256	60	13,200	10
4-1/2"	5/8"-11	35248	35258	80	13,200	10
4-1/2"	5/8"-11	35240	35250	120	13,200	10



CARBON STEEL,
STAINLESS STEEL, EXOTIC
METALS AND ALUMINUM



flap discs QUICK-CHANGE EOLO HIGH DENSITY



ZIRCONIUM FLAP DISCS - PLASTIC BACKING

High Density flap discs for heavy duty applications to be used on powerful portable grinders. A high-technology reinforced ventilated plastic backing coupled with a special zirc-plus cloth provides extraordinary stock removal and high cutting rate. (<0.1% Fe, S, Cl)



SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM
████████	████████	████████	████████

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	5/8"-11	34204	34214	40	13,200	20
4-1/2"	5/8"-11	34206	34216	60	13,200	20
4-1/2"	5/8"-11	34208	34218	80	13,200	20



CARBON STEEL,
STAINLESS STEEL, EXOTIC
METALS AND ALUMINUM



flap discs TRIMTAF



ZIRCO-CERAMIC FLAP DISCS - TRIMMABLE BACKING

Nothing is more versatile than TRIMTAF, with its greater overhang of the flaps and a trimmable backing, coupled with TAF premium zirco-ceramic cloth. With many choices in the industry today, look no further.

The special design of this flap disc is specifically manufactured to allow for optimal wearing out of the cloth, permitting the user to always work with fresh grains which extends the life of the disc. In addition, thanks to the engineered configuration of the flaps, a very efficient grinding on intricate surfaces is also achievable.

TRIMTAF's flexibility and vibration reduction mirrors that of a plastic backing flap disc and its hi-tech cloth with top size coat provides a very fast stock removal and always guaranteed cool-cut. (< 0,1% Fe, S, Cl).

COOL GRINDING	CONTAMINATION FREE	MEDIUM WORKING PRESSURE
FAST STOCK REMOVAL	BACKING FLEXIBILITY	TRIMMABLE

SUITABILITY			
CARBON STEEL	STAINLESS STEEL	EXOTIC METALS	ALUMINUM

Diameter	Arbor	Type 27	Type 29	Grit	Max RPM	Box Qty
4-1/2"	7/8"	34304	34314	40	13,200	20
4-1/2"	7/8"	34306	34316	60	13,200	20
4-1/2"	7/8"	34308	34318	80	13,200	20
4-1/2"	7/8"	34300	34310	120	13,200	20
4-1/2"	5/8"-11	35304	35314	40	13,200	10
4-1/2"	5/8"-11	35306	35316	60	13,200	10
4-1/2"	5/8"-11	35308	35318	80	13,200	10
4-1/2"	5/8"-11	35300	35310	120	13,200	10



<https://vimeo.com/413118711>
www.bullardabrasives.com/media
www.tafabrasivesusa.com/media



EXCLUSIVE

PRIVATE LABEL PROGRAM

Build Your Brand

Product Control

Marketing Independence

Enhanced Profitability

IT'S ALL IN THE PRESENTATION

Designs guaranteed to match your current branding. We design your wheel blotters and box labels based on your logo, colors and information provided as well as our research conducted into your brand identity. Don't have a brand yet? Need an update to your logo? We can do that for you - it's all part of our Exclusive Private Label Program to assist you in growing your business.

BRANDING

It is the personality of your business. It is your promise to your customers. It tells your current customers who you ARE, who you WANT TO BE, who people PERCEIVE you to be. WE ARE THE EXPERTS!

We are not just pretty to look at.

GET STARTED TODAY

Just send us the following and we will get started:

- Private Label Manufacturing Agreement
(download at www.bullardabrasives.com)
- Your Logo, Brand Colors, Typeface, Fonts, etc.
(to depict your business personality)

Once you provide Private Label Manufacturing Agreement, we will get started on the Design Phase of your private label brand. Throughout this initial design phase, the process of design is from concept to completion working directly with our Creative Team to exceed your expectations and to enhance your brand design. You will also need to provide Part Numbers and Barcode information as this design phase progresses.

We will provide you with:

- Three (3) different private label design layouts to choose from with coordinating box labels WITHIN 24 HOURS - GUARANTEED!
- Our creative team will work with you to make revisions and/or changes to meet your satisfaction.
- Once initial design phase is complete, approval forms will be sent to initiate the next phase in the process - sending the design layout to the printer and final proofs will be forthcoming for product(s) that you want to offer with your private brand.

THE PRIVATE LABEL PROGRAM DETAILS

PRODUCT OFFERINGS:

Products listed are the standard offering for distributors. All Bullard products are available for private branding. Prices and minimum order quantities for those outside this standard offering are determined on a case-by-case basis.

WHEEL BLOTTERS:

All customized wheel blotters are pressed and cured into the wheels with the exception of specific products that wheel blotters are printed on white paper PSA and are added to the disc such as with flap discs and some finishing products. All customized wheel blotters require signed customer approval. Certain industry standards such as warning and icon information are required and used at our discretion.

BOX LABELS:

All customized box labels are full color and are designed to compliment your brand to match the wheel blotter design of your choice. Box labels are also subject to the same approval procedures as wheel blotters.

PACKAGING:

All prices are based on standard Bullard packaging as listed in our product catalog. Additional charges will apply for non-standard packaging.

PRICES:

The prices at which Bullard shall sell and the Customer shall buy the Private Label Products are set forth in the Customer Quotation Form to be submitted. All required fees (See Pre-Production Design Sample Services) shall be paid in advance prior to commencement of work. Unless otherwise agreed, all prices are subject to change from time-to-time, including but not limited to, any increase in the actual cost to Bullard of the packaging, labels or raw materials used to manufacture the abrasive products.

Customer is required to purchase pre-production design sample services at a cost of Two Hundred Fifty Dollars (\$250.00) (set of

three wheel blotters and box label custom design work) before any private label work commences. This cost of pre-production design services will be applied to the first initial order amount in the form of a credit. If an order is not placed, the design service cost of \$250.00 is non-refundable.

Prices listed in Customer Quotation Form are net per wheel. No additional costs will be charged for final blotters and box labels for all private label products.

TERMS:

1% 10 days, Net 30 days.

LEAD TIME:

Deliver is 10-12 weeks for initial order. Allow 4-6 weeks for subsequent orders.

FREIGHT:

Freight is prepaid on orders exceeding \$1000.00. All other orders are freight collect.

LIABILITY:

Bullard Abrasives provides a Certificate of Insurance upon receipt of initial order. Standard ANSI Code B7.1 rules apply and violation can nullify the certificate.

RETURNED GOODS:

Bullard Abrasives provides a Certificate of Insurance upon receipt of initial order. Standard ANSI Code B7.1 rules apply and violation can nullify the certificate.

MINIMUM ORDER QUANTITIES

- 1000 pieces..... 3" - 6"Cut-Off Wheels - T1 and T27
- 500 pieces 7" - 9"Cut-Off Wheels - T1 and T27
- 250 pieces 12" - 16"Cut-Off Wheels - T1
- 500 pieces 4-1/2" - 9"Grinding Wheels - T27
- 500 pieces 4-1/2" - 9"Combo Cut/Notch/Grind - T27
- 500 pieces 4-1/2" - 5"RapidGRIND™ - T29M



Sample Wheel Blotters and Box Labels shown are for illustration purposes only.

We continue to strive to be your "greater than" manufacturer!



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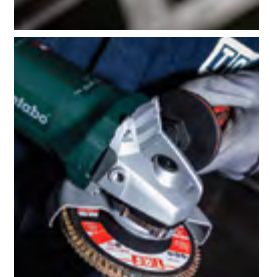
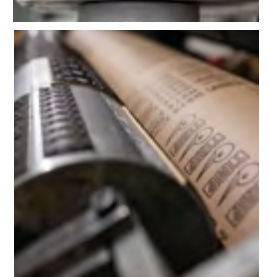
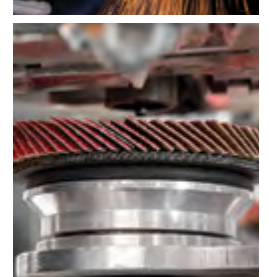
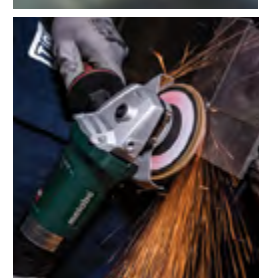
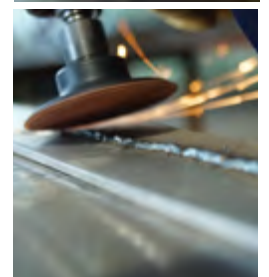
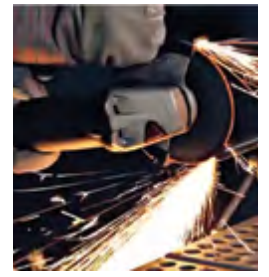


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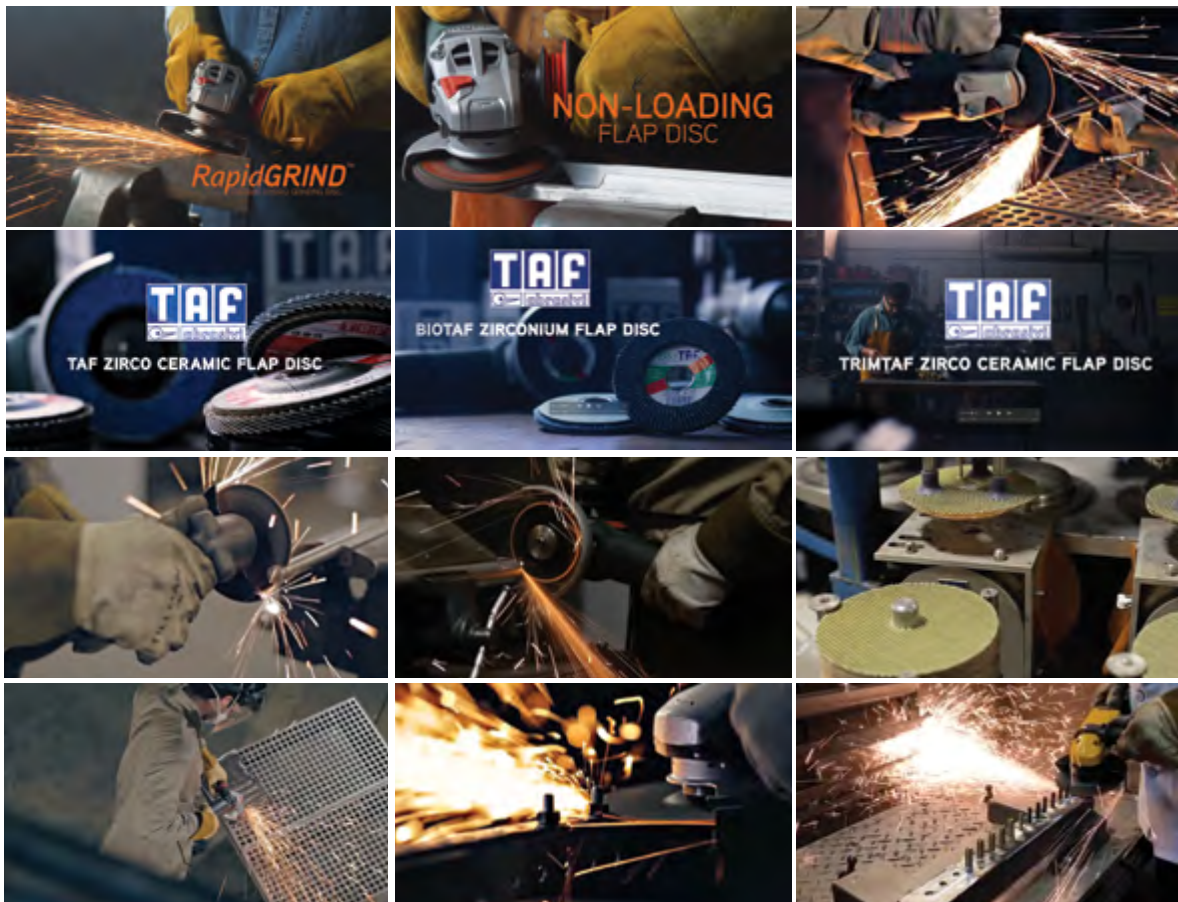


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