



surfaces be warned...

BULLARD > ABRASIVES®

BULLARD / ABRASIVES

Product Catalog

Product Catalog

BULLARD) ABRASIVES®

*“Quality means doing it right
when no one is looking.”*

- Henry Ford

new look.  same excellence.

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★ 41° 92'
-71° 48'

RHODE ISLAND

BULLARD } ABRASIVES®
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Who we are... }

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

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

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

How we got started... >

VISION

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

MISSION

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.*

Back in 1927, George Bullard had a dream that he could make a better abrasive product than what was being offered. He left his job as chief engineer of a leading abrasives manufacturer and went to work in his garage in Westborough, Massachusetts engineering and producing industrial grinding wheels. Expansion took the company from Mr. Bullard's garage to a former meat packing plant where the company operated for over fifty years. In 2006 the company moved to its present Rhode Island location. With 2012 came the addition of a 24,000 square foot distribution facility and the acquisition of Marvel Abrasive Products of Chicago, a leading manufacturer of resin fiber discs and surface conditioning products.

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 Whyte, 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 sustainability for second place.

In 2001, after enjoying a decade of growth, Bullard's future was entrusted to Dick's son Rick and a close friend and industry veteran Craig Pickell. The key management team of Rick, Craig, and vice president Hector Rodriguez provides the leadership that drives the company today. Aware of the company's heritage and deeply committed to the founding philosophy of George Bullard, the management team carries forward the commitment to innovation, quality, and product and service excellence so firmly established over 80 years ago. As for Mr. Whyte, he's enjoying his retirement racing a seven liter hydroplane in the vintage race boat series.

BULLARD ABRASIVES®

surfaces be warned...

Quality you can count on >

In 2009 we were proud to receive certification of our manufacturing system to the international ISO 9001: 2008 quality standard. Our ISO 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 product shipped from our facility meets these high standards, period.

**ISO
Certified
9001**



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. Consult our price list for details pertaining to general terms and conditions of sale as well as our product warranty.

Total customer satisfaction >

Our primary goal is to provide total customer satisfaction. Recognized as one of the leading manufacturers of bonded 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.

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.

How to place an order >

Customer Service 8:30–5:30 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 by Bullard Abrasives, Inc.

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.

Prices and specifications are subject to change.

MADE IN THE
UNITED STATES



01
the
details



Wheel Identification Marks

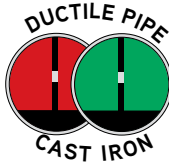


- » Bullard Abrasives Logo
- » Color Coded Application Icon
- » The Right Tool Icon
- » Safety Icons
- » Wheel Description & Type
- » Tier Performance Level Icon
- » Safety Use Warning
- » Made In The United States Icons
- » Specifications:
 - Size
 - Part Number
 - Max RPM: (Revolutions Per Minute)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

Application Icons

Sampling of icons for illustration purposes only.

- **RED:** All applications where aluminum oxide grain is used for grinding, notching, blending and cutting off on ferrous metals.
- **BLUE:** All applications for performance grinding, notching, blending and cutting off on stainless steel and other high tensile alloys.
- **GREEN:** All applications where silicon carbide grain is used for grinding, notching and cutting off on masonry, concrete, stone, asphalt, brick and block.
- **RED/GREEN:** All applications where a combination of aluminum oxide and silicon carbide grains are used for cutting off on ductile pipe, cast iron and other concrete coated steel applications.
- **GOLD:** All applications that involve light grinding and specialty cutting on ferrous metals with emphasis on the pipeline industry.
- **ORANGE:** All applications where specially formulated wheels are used for grinding, notching, and cutting of aluminum, brass and copper.



Wheel Types

Type 1

- » Flat wheel for cutting off



Type 27

- » Depressed center wheel for grinding, notching and cutting



Type 28

- » Hat shaped wheel for grinding



Type 29

- » Flap disc for grinding and snagging



Type 11

- » Flaring cup for grinding and snagging



Type 16

- » Cone for grinding and snagging



Type 17

- » Cone for grinding and snagging



Type 18

- » Plug for grinding and snagging

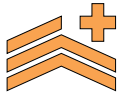


Type 18R

- » Plug for grinding and snagging



Tier Performance Level: Grinding & Cutting



Max Force+

Max Force Plus flap discs utilize the latest ceramic abrasive technology for maximum service life with cool and rapid material removal. Max Force Plus represents the pinnacle of flap disc performance and value in production applications.



Max Force

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

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

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



Competitor

The 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.



Max Force thin cut-off wheels turn your grinder into a turbocharged cutting machine. These are the fastest cutting and longest lasting wheels we have ever designed – 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.

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.

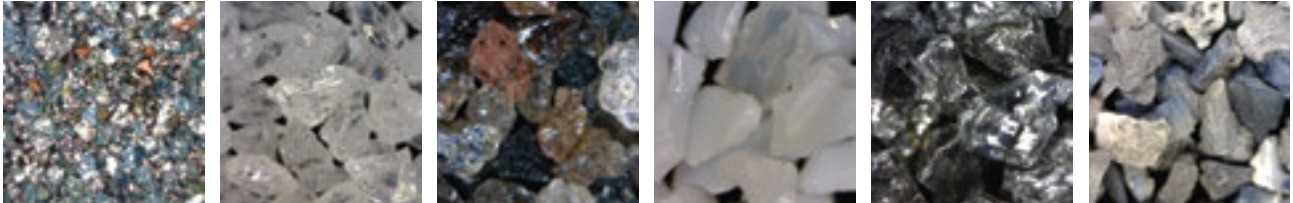
Lightning cut-off wheel specifications offer industrial performance at a modest price. USA manufactured quality and high performance in both metal and concrete formulations that exceed the performance of lower cost imports, yet only cost a fraction more. A real value for the budget minded buyer.

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.

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

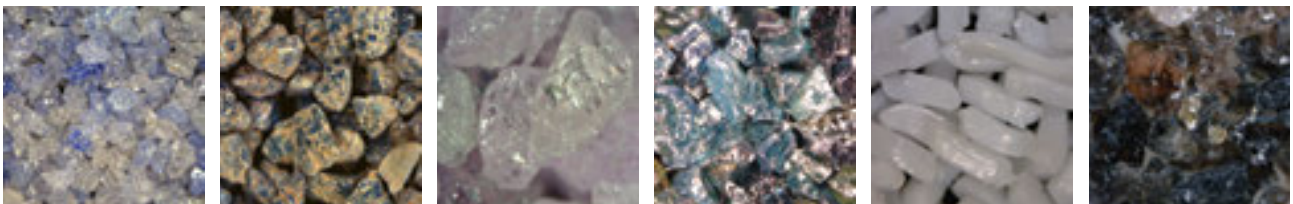
- » High performance fused alumina zirconia grain outlasts standard aluminum oxide 3 to 1.
- » Hard, tough, sharp

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:

- » C = Silicon carbide for masonry applications
- » A = Aluminum oxide for metal applications
- » ZA = Alumina zirconia for stainless steel and ferrous metal applications
- » TA = Ceramic treated aluminum oxide

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 - Resinoid 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:

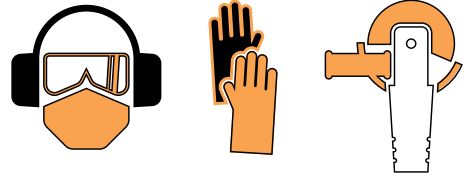
- » Externally reinforced

3 Layers:

- » Triple reinforced - 2 external and 1 internal



Safety Always: Before, During and After >



Before - Operation Safety

- » Always inspect the wheel
- » Always handle and store in a careful manner
- » Always check mounting flanges for equal size and minimum diameter of 1/3 roper flanges
- » Always check machine speed against the established maximum safe operating speed marked on the wheel
- » Always use mounting blotters when supplied with wheels
- » Always make sure work rest is properly adjusted (center of wheel or above - no more than 1/8" away from wheel)

During - Operation Safety

- » Always use a safety guard covering at least one-half of the grinding wheel
- » Always allow newly mounted wheels to run at operating speed with guard in place for at least one minute before grinding
- » Always wear safety glasses or some type of eye protection when grinding
- » Always turn off coolant before stopping wheel to avoid creating an out-of-balance condition

After - Storage Safety

- » Always store wheels in a dry place at a constant temperature
- » Always provide proper racks, bins or drawers for storing various types of wheels
- » Always store straight and tapered wheels on edge in racks with two-point cradle support and partitions separating wheels
- » Always use flat shelf for storing thin wheels with resin bond laying them flat to prevent warping
- » Always stack cylinder wheels and large straight cup wheels with corrugated paper cushions between flat sides or in same type racks used for large straight wheels
- » Always stack large flaring cup wheels on flat shelf face-to-face and base-to-base
- » Always use bins, boxes or drawers to store internal wheels, cups and other small wheels

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 unless they are 1/3 the diameter of the wheel and are clean, flat and free of burns
- » Never overtighten the mounting nut excessively
- » Never grind the side of the wheel (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 force grinding so that the motor slows noticeably or work gets hot
- » 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 roll abrasive wheels across a surface
- » Never pile heavy objects on top of wheels

WARNING:
GRINDING WHEELS
IMPROPERLY USED ARE DANGEROUS!
 FAILURE TO OBSERVE SAFETY PRECAUTIONS
 MAY RESULT IN SERIOUS INJURY!

Right Tool for the Right Wheel



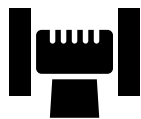
Angle Grinder

- » 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 11 Flaring Cup Wheels
- » Resin Fiber Discs



Straight Shaft Air or Electric Tool

- » Type 16, 17, 18, 18R Cones & Plugs
- » Small Diameter Flap Wheels
- » Small Diameter Type 1 Cut-Off Wheels



Bench Grinder

- » Type 1 Vitrified Bench Grinding Wheels
- » Large Diameter Flap Wheels



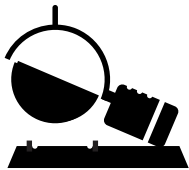
Circular Saw

- » Type 1 Cut-Off Wheels for Circular Saws
- » Type 1 Cut-Off Wheels for Angle Grinders & Circular Saws



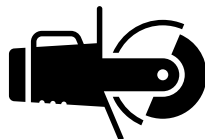
Chop Saw

- » Type 1 Cut-Off Wheels for Portable Chop Saws



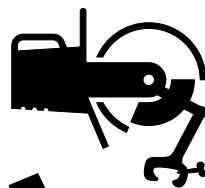
Stationary Saw

- » Type 1 Cut-Off Wheels for Stationary Cut-Off Saws



Gas or Electric Portable Saw

- » Type 1 Cut-Off Wheels for Gas or Electric Portable Saws



Gas and Hydraulic Rail Saw

- » Type 1 Cut-Off Wheels for Rail Cutting Saws



Walk-Behind Street Saw

- » Type 1 Cut-Off Wheels for Walk-Behind Street Saws

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.

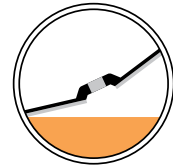
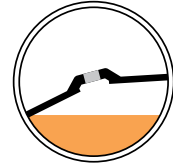
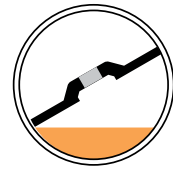
Why does the wheel have a short wheel life?

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



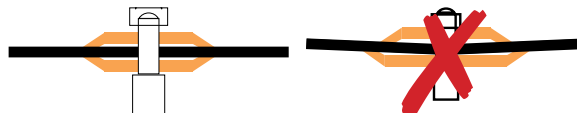
Helpful Hints - Grinding

- » For maximum results Type 27 depressed center wheels should be used at a 15° to 30° angles to the work piece. Depressed center grinding wheels should never be used flat.
- » Type 28 wheels should be used at 15° angles to the work piece.
- » Type 29 should be used at 10° angles.



Helpful Hints - Cutting Off

- » 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.





02 cutting, cutting & light grinding, blending & deburring



TYPE 1 *angle grinder* CUT-OFF WHEELS

*Bullard's
thin Type 1 Cutting
Wheels are offered in a
wide range of specifications
to meet any cutting applications
using a right angle grinder.
Industry leading performance
and quality.*

Max Force

Max Force thin cut-off wheels turn your grinder into a turbocharged cutting machine. These are the fastest cutting and longest lasting wheels we have ever designed – 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.

High Energy

High Energy thin cut-off wheels blend performance with extended wheel life. They are a slightly thicker version of their smaller siblings the Lightning wheels, yet still maintain the rapid cutting action characteristics of the thinner wheels.

Lightning

Lightning are the “thinner” version of the High Energy formulation. All the same great performance with slightly faster cutting speed and smaller cut-line in the material being worked on. Due to their thinner profile, Lightning wheels are a bit more flexible for getting into tight areas.

Competitor

Competitor wheels are an entry level, general purpose cutting wheel for all applications.



● SGA60U

- » Main application - stainless steel and high tensile alloys.
- » Contaminant-free cutting of stainless steel. No iron, sulfur or chlorine.
- » Super premium - long life, faster cutting .045 thick wheel specifically designed to cut all forms of stainless steel, high tensile alloys, chrome and Inconel® alloys.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
43407	13,300	4½ × .045 × 7/8	25
43507	12,200	5 × .045 × 7/8	25
43607	10,200	6 × .045 × 7/8	25

● ZA60T

- » Main application - stainless steel and high tensile alloys.
- » Secondary application - ferrous metals (structural steel, iron, welds, etc).
- » A thin .040 performance wheel.
- » Zirconia grain - specially designed for faster cutting and long life.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
93405	15,000	4 × .040 × 5/8	25
93407	13,300	4½ × .040 × 7/8	25
93507	12,200	5 × .040 × 7/8	25
93607	10,200	6 × .040 × 7/8	25
93707	8,500	7 × .040 × 7/8	25

● TA60U

- » Main application - ferrous metals and stainless applications.
- » 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 applications.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
53409	13,300	4½ × .045 × 7/8	25
53509	12,200	5 × .045 × 7/8	25
53609	10,200	6 × .045 × 7/8	25

● TA46T

- » Main application - ferrous metals (angle iron, rebar and steel).
- » Secondary application - stainless steel, high tensile alloy 1/16" thick.
- » A premium wheel with longer life and maximum wheel performance on ferrous metals.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
53415	15,000	4 × 1/16 × 5/8	25
53417	13,300	4½ × 1/16 × 7/8	25
53517	12,200	5 × 1/16 × 7/8	25
53617	10,200	6 × 1/16 × 7/8	25
53714	8,500	7 × 1/16 × 5/8	25
53717	8,500	7 × 1/16 × 7/8	25
53713	8,500	7 × 1/16 × 1/2	25

● TA36T

- » Main application - ferrous metals (angle iron, rebar and steel).
- » Secondary application - stainless steel, high tensile alloy 3/32" thick.
- » A premium wheel for heavy duty use.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
53425	15,000	4 × 3/32 × 5/8	25
53427	13,300	4½ × 3/32 × 7/8	25
53527	12,200	5 × 3/32 × 7/8	25
53727	8,500	7 × 3/32 × 7/8	25



● AL46N

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
63405	15,000	4 x .040 x 5/8	25
63407	13,300	4½ x .040 x 7/8	25
63507	12,200	5 x .040 x 7/8	25
63607	10,200	6 x .040 x 7/8	25
63707	8,500	7 x .040 x 7/8	25

● TA60T

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
53405	15,000	4 x .040 x 5/8	25
53407	13,300	4½ x .040 x 7/8	25
53507	12,200	5 x .040 x 7/8	25
53607	10,200	6 x .040 x 7/8	25
53707	8,500	7 x .040 x 7/8	25

● C24R

- » Main application - concrete, masonry and stone.
- » Harder bond - improved wheel life for increased wheel performance.
- » Silicon carbide grain.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
53430	15,000	4 x 1/8 x 5/8	25
53436	13,300	4½ x 1/8 x 7/8	25
53536	12,200	5 x 1/8 x 7/8	25
53736	8,500	7 x 1/8 x 7/8	25

● A60T

- » Main application - ferrous metals (iron, steel, welds, etc).
- » General purpose - fast cutting.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
51405	15,000	4 x .045 x 5/8	25
51407	13,300	4½ x .045 x 7/8	25
51507	12,200	5 x .045 x 7/8	25
51607	10,200	6 x .045 x 7/8	25

● A46T

- » Main application - ferrous metals (iron, steel, welds, etc).
- » General purpose - long life.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
51617	10,200	6 x 1/16 x 7/8	25





BULLARD ABRASIVES®

Bullard's Type 27 cutting wheels are manufactured for speedy, precise cutting for little burr on ferrous and non-ferrous metals. In tight situations, flush cutting is made easier by allowing more of the wheel to come closer to the work surface.

For contaminate-free wheels, see SGA60U and A60T.

TYPE 27 angle grinder

CUT-OFF WHEELS

Max Force

Max Force thin cut-off wheels turn your grinder into a turbocharged cutting machine. These are the fastest cutting and longest lasting wheels we have ever designed – 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.

High Energy

High Energy thin cut-off wheels blend performance with extended wheel life. They are a slightly thicker version of their smaller siblings the Lightning wheels, yet still maintain the rapid cutting action characteristics of the thinner wheels.

Lightning

Lightning are the "thinner" version of the High Energy formulation. All the same great performance with slightly faster cutting speed and smaller cut-line in the material being worked on. Due to their thinner profile, Lightning wheels are a bit more flexible for getting into tight areas.

Competitor

Competitor wheels are an entry level, general purpose cutting wheel for all applications.

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 debur combo wheels.

● SGA60U

- » Main application - stainless steel and high tensile alloys.
- » Contaminant-free cutting of stainless steel.
- » No iron, sulfur or chlorine.
- » Long life, faster cutting .045 thick cutting wheel specifically designed to cut all forms of stainless steel, high tensile alloys, chromes and Inconel® alloys.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
42407	13,300	4½ x .045 x 7/8	25
42507	12,200	5 x .045 x 7/8	25
42607	10,200	6 x .045 x 7/8	25

● ZA60T

- » Main application - stainless steel and high tensile alloys.
- » Secondary application - ferrous metals (structural steel, iron, welds, etc).
- » A thin .040 performance wheel.
- » Zirconia grain - specially designed for faster cutting and long life.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
14405	15,000	4 x .040 x 5/8	25
14407	13,300	4½ x .040 x 7/8	25
14507	12,200	5 x .040 x 7/8	25
14607	10,200	6 x .040 x 7/8	25
14707	8,500	7 x .040 x 7/8	25

● ● ZA30R

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



PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
14433	15,000	4 x 1/8 x 5/8	25
14437	13,300	4½ x 1/8 x 7/8	25
14438	13,300	4½ x 1/8 x 5/8-11	10
14537	12,200	5 x 1/8 x 7/8	25
14538	12,200	5 x 1/8 x 5/8-11	10
14637	10,200	6 x 1/8 x 7/8	25
14638	10,200	6 x 1/8 x 5/8-11	10
14737	8,500	7 x 1/8 x 7/8	25
14738	8,500	7 x 1/8 x 5/8-11	10
14937	6,500	9 x 1/8 x 7/8	25
14938	6,500	9 x 1/8 x 5/8-11	10

● TA60U

- » Main application - ferrous metals and stainless.
- » Premium long life, faster cutting, .045 thick cutting wheel.
- » A rigid, thicker wheel with improved grain and resin combination to take on the most demanding cutting applications.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
24409	13,300	4½ x .045 x 7/8	25
24509	12,200	5 x .045 x 7/8	25
24609	10,200	6 x .045 x 7/8	25

● A60T

- » Main application - ferrous metals (iron, steel, welds, etc) and stainless.
- » Contaminate-free formulation for stainless steel applications.



PERFORMANCE LEVEL

High Energy

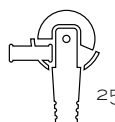
PART#	MAX RPM	DIMENSIONS	QTY
42414	13,300	4½ x 5/64 x 7/8	25
42514	12,200	5 x 5/64 x 7/8	25
42614	10,200	6 x 5/64 x 7/8	25

COMBO WHEEL

Cutting, Grinding,
Deburring & Blending



Type 27 angle grinder wheels continues...



● AL46N

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
62405	15,000	4 × .040 × 5/8	25
62407	13,300	4½ × .040 × 7/8	25
62507	12,200	5 × .040 × 7/8	25
62607	10,200	6 × .040 × 7/8	25
62707	8,500	7 × .040 × 7/8	25

● TA60T

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
24405	15,000	4 × .040 × 5/8	25
24407	13,300	4½ × .040 × 7/8	25
24507	12,200	5 × .040 × 7/8	25
24607	10,200	6 × .040 × 7/8	25
24707	8,500	7 × .040 × 7/8	25

● C24R

- » Main application - concrete, masonry and stone.
- » Harder bond - improved wheel life for increased wheel performance.
- » Silicon carbide grain.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
24430	15,000	4 × 1/8 × 5/8	25
24436	13,300	4½ × 1/8 × 7/8	25
28436	13,300	4½ × 1/8 × 5/8-11	10
24536	12,200	5 × 1/8 × 7/8	25
28536	12,200	5 × 1/8 × 5/8-11	10
24636	10,200	6 × 1/8 × 7/8	25
28636	10,200	6 × 1/8 × 5/8-11	10
20736	8,500	7 × 1/8 × 7/8	25
28736	8,500	7 × 1/8 × 5/8-11	10
20936	6,500	9 × 1/8 × 7/8	25
28936	6,500	9 × 1/8 × 5/8-11	10

● A24R

- » Main application - ferrous metals (iron, steel, welds, sheet metal, etc).
- » A thicker wheel for increased life for tough, heavy duty jobs

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
24423	15,000	4 × 3/32 × 5/8	25
24427	13,300	4½ × 3/32 × 7/8	25
28427	13,300	4½ × 3/32 × 5/8-11	10
24527	12,200	5 × 3/32 × 7/8	25
28527	12,200	5 × 3/32 × 5/8-11	10
24627	10,200	6 × 3/32 × 7/8	25
28627	10,200	6 × 3/32 × 5/8-11	10
20727	8,500	7 × 3/32 × 7/8	25
28727	8,500	7 × 3/32 × 5/8-11	10
20927	6,500	9 × 3/32 × 7/8	25
28927	6,500	9 × 3/32 × 5/8-11	10

● TA60T

- » Main application - ferrous metals (iron, steel, welds, etc).
- » A thin .040 wheel for fast, cool, burr-free cutting.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
21405	15,000	4 × .040 × 5/8	25
21407	13,300	4½ × .040 × 7/8	25
21607	10,200	6 × .040 × 7/8	25





surfaces be warned...



TYPE 27 *depressed center* PIPELINE, LIGHT GRINDING & CUT-OFF WHEELS

Max Force

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

High Energy

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

Lightning

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

Competitor

Entry level general purpose pipeline, light grinding and cutting wheels suitable for all applications.



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.

Our 1/8" Type 27 pipeline wheels are specially designed to withstand the pressures of off-hand cutting applications. Whether you are light grinding, cutting of pipeline root pass, weld and flame cut grinding, our wheels will provide a long life, fast stock removal with maximum safety.

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.

● ZA30S

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

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
14443	15,000	4 × 1/8 × 5/8	25
14447	13,300	4 1/2 × 1/8 × 7/8	25
14448	13,300	4 1/2 × 1/8 × 5/8 -11	10
14547	12,200	5 × 1/8 × 7/8	25
14548	12,200	5 × 1/8 × 5/8 -11	10
14647	10,200	6 × 1/8 × 7/8	25
14648	10,200	6 × 1/8 × 5/8 -11	10
14747	8,500	7 × 1/8 × 7/8	25
14748	8,500	7 × 1/8 × 5/8 -11	10
14947	6,500	9 × 1/8 × 7/8	25
14948	6,500	9 × 1/8 × 5/8 -11	10

● TA30S

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
27437	13,300	4 1/2 × 1/8 × 7/8	25
27438	13,300	4 1/2 × 1/8 × 5/8 -11	10
27737	8,500	7 × 1/8 × 7/8	25
27738	8,500	7 × 1/8 × 5/8 -11	10
27937	6,500	9 × 1/8 × 7/8	25
27938	6,500	9 × 1/8 × 5/8 -11	10

● A30R

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
24433	15,000	4 × 1/8 × 5/8	25
24437	13,300	4 1/2 × 1/8 × 7/8	25
24438	13,300	4 1/2 × 1/8 × 5/8 -11	10
24533	12,200	5 × 1/8 × 7/8	25
24538	12,200	5 × 1/8 × 5/8 -11	10
24633	10,200	6 × 1/8 × 7/8	25
24638	10,200	6 × 1/8 × 5/8 -11	10
20731	8,500	7 × 1/8 × 7/8	25
20738	8,500	7 × 1/8 × 5/8 -11	10
20931	6,500	9 × 1/8 × 7/8	25
20938	6,500	9 × 1/8 × 5/8 -11	10

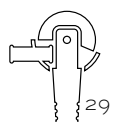
● A30R

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

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
21433	15,000	4 × 1/8 × 5/8	25
21437	13,300	4 1/2 × 1/8 × 7/8	25
21438	13,300	4 1/2 × 1/8 × 5/8 -11	10
21533	12,200	5 × 1/8 × 7/8	25
21731	8,500	7 × 1/8 × 7/8	25
21738	8,500	7 × 1/8 × 5/8 -11	10





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.

TYPE 27 *depressed center* **BLENDING, GRINDING & DEBURRING WHEELS**



High Energy

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



● AC

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
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36 grit

31436	15,000	4 × 1/8 × 5/8	25
31636	13,300	4 1/2 × 1/8 × 7/8	25

46 grit

31446	15,000	4 × 1/8 × 5/8	25
31646	13,300	4 1/2 × 1/8 × 7/8	25

60 grit

31460	15,000	4 × 1/8 × 5/8	25
31660	13,300	4 1/2 × 1/8 × 7/8	25

80 grit

31480	15,000	4 × 1/8 × 5/8	25
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120 grit

31412	15,000	4 × 1/8 × 5/8	25
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● WA

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
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36 grit

33436	15,000	4 × 1/8 × 5/8	25
33636	13,300	4 1/2 × 1/8 × 7/8	25

80 grit

33480	15,000	4 × 1/8 × 5/8	25
33680	13,300	4 1/2 × 1/8 × 7/8	25

● CC

- » Main application - non-ferrous metals (aluminum, brass, copper and stone).
- » Used for grinding, blending, deburring, polishing and de-scaling.
- » Allows you to put more grinding surface to the job, resulting in faster stock removal and a smoother finish.
- » The smoother finish will avoid operator fatigue due to heavy vibration.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
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36 grit

32436	15,000	4 × 1/8 × 5/8	25
32636	13,300	4 1/2 × 1/8 × 7/8	25

80 grit

32480	15,000	4 × 1/8 × 5/8	25
32680	13,300	4 1/2 × 1/8 × 7/8	25

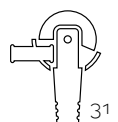
Each 25-pack comes with a backing pad.

flexlite BACKING PADS

PART#	DIMENSIONS
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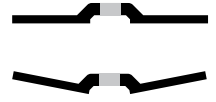
31400	4
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31600	4 1/2
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TYPE 27 & TYPE 29 *grinding & finishing* FLAP DISCS



Max Force Plus

Max Force Plus flap discs utilize the latest ceramic abrasive technology for maximum service life with cool and rapid material removal. Max Force Plus represents the pinnacle of flap disc performance and value in production applications.

Max Force and Max Force HD

Max Force flap discs utilize a zirconia abrasive - a sharp and long-life abrasive grain known for excellent material removal. Max Force flap discs are offered in two styles: *Max Force HD* using a high-density construction for a thicker, more cushioned contact with the surface and *Max Force* the standard profile flap disc construction.

For a broad range of grinding applications, Bullard's flap discs are engineered for metal removal, surface blending and finishing all in one disc.



Eliminating the need to change from a reinforced grinding wheel to a resin fiber disc saves time and money by reducing work processes while providing a consistent finish throughout its long life.

TYPE 27



● SGA

- » Main application - difficult to grind materials like stainless steel, Inconel® and titanium.
- » Cool cutting - no bluing on stainless.
- » Ceramic grain (double the life of zirconia).

PERFORMANCE LEVEL

Max Force+

PART#	MAX RPM	DIMENSIONS	QTY
<i>40 grit</i>			
38644	13,300	4½ × 7/8	10
39644	13,300	4½ × 5/8 -11	10
38744	8,500	7 × 7/8	10
39744	8,500	7 × 5/8 -11	10

60 grit

38646	13,300	4½ × 7/8	10
39646	13,300	4½ × 5/8 -11	10
38746	8,500	7 × 7/8	10
39746	8,500	7 × 5/8 -11	10

80 grit

38648	13,300	4½ × 7/8	10
39648	13,300	4½ × 5/8 -11	10
38748	8,500	7 × 7/8	10
39748	8,500	7 × 5/8 -11	10

● ZA HD - HIGH-DENSITY

- » Main application - high performance grinding and finishing of all metals.
- » Excellent on stainless and mild steel, welds and de-burring.
- » High density profile.
- » Outlasts standard density discs by 50%.
- » Zirconia grain outlasts aluminum oxide up to 3 to 1.



PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
<i>40 grit</i>			
36654	13,300	4½ × 7/8	10
37654	13,300	4½ × 5/8 -11	10
36754	8,500	7 × 7/8	10
37754	8,500	7 × 5/8 -11	10

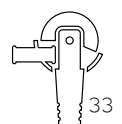
60 grit

36656	13,300	4½ × 7/8	10
37656	13,300	4½ × 5/8 -11	10
36756	8,500	7 × 7/8	10
37756	8,500	7 × 5/8 -11	10

80 grit

36658	13,300	4½ × 7/8	10
37658	13,300	4½ × 5/8 -11	10
36758	8,500	7 × 7/8	10
37758	8,500	7 × 5/8 -11	10

flap discs continues...



TYPE 27



● ZA

- » Main application - high performance grinding and finishing of all metals.
- » Excellent on stainless and mild steel, welds and de-burring.
- » Standard density.
- » Tough fiberglass backing.
- » Zirconia grain outlasts aluminum oxide up to 3 to 1.



PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
36 grit			
36643	13,300	4½ × 7/8	10
37643	13,300	4½ × 5/8 -11	10
36743	8,500	7 × 7/8	10

40 grit

36444	15,000	4 × 5/8	10
36644	13,300	4½ × 7/8	10
37644	13,300	4½ × 5/8 -11	10
36544	12,200	5 × 7/8	10
36744	8,500	7 × 7/8	10
37744	8,500	7 × 5/8 -11	10

60 grit

36446	15,000	4 × 5/8	10
36646	13,300	4½ × 7/8	10
37646	13,300	4½ × 5/8 -11	10
36546	12,200	5 × 7/8	10
36746	8,500	7 × 7/8	10
37746	8,500	7 × 5/8 -11	10

80 grit

36448	15,000	4 × 5/8	10
36648	13,300	4½ × 7/8	10
37648	13,300	4½ × 5/8 -11	10
36548	12,200	5 × 7/8	10
36748	8,500	7 × 7/8	10
37748	8,500	7 × 5/8 -11	10

120 grit

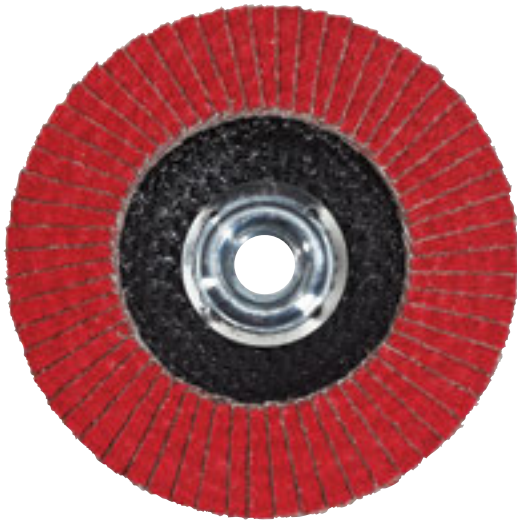
36640	13,300	4½ × 7/8	10
37640	13,300	4½ × 5/8 -11	10
36740	8,500	7 × 7/8	10

TYPE 29



● SGA

- » Main application - difficult to grind materials like stainless steel, Inconel® and titanium.
- » Cool cutting - no bluing on stainless.
- » Ceramic grain (double the life of zirconia).



PERFORMANCE LEVEL

Max Force+

PART#	MAX RPM	DIMENSIONS	QTY
40 grit			
38624	13,300	4½ × 7/8	10
39624	13,300	4½ × 5/8 -11	10
38724	8,500	7 × 7/8	10
39754	8,500	7 × 5/8 -11	10

60 grit

38626	13,300	4½ × 7/8	10
39626	13,300	4½ × 5/8 -11	10
38726	8,500	7 × 7/8	10
39756	8,500	7 × 5/8 -11	10

80 grit

38628	13,300	4½ × 7/8	10
39628	13,300	4½ × 5/8 -11	10
38728	8,500	7 × 7/8	10
39758	8,500	7 × 5/8 -11	10

● ZA HD HIGH-DENSITY

- » Main application - high performance grinding and finishing of all metals.
- » Excellent on stainless and mild steel, welds and de-burring.
- » High density profile.
- » Outlasts standard density discs by 50%.
- » Zirconia grain outlasts aluminum oxide up to 3 to 1.



PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
36 grit			
36633	13,300	4½ × 7/8	10
37633	13,300	4½ × 5/8 -11	10

40 grit

36634	13,300	4½ × 7/8	10
37634	13,300	4½ × 5/8 -11	10
36734	8,500	7 × 7/8	10
37734	8,500	7 × 5/8 -11	10

60 grit

36636	13,300	4½ × 7/8	10
37636	13,300	4½ × 5/8 -11	10
36736	8,500	7 × 7/8	10
37736	8,500	7 × 5/8 -11	10

80 grit

36638	13,300	4½ × 7/8	10
37638	13,300	4½ × 5/8 -11	10
36738	8,500	7 × 7/8	10
37738	8,500	7 × 5/8 -11	10

flap discs continues...



TYPE 29



● ZA

- » Main application - high performance grinding and finishing of all metals.
- » Excellent on stainless and mild steel, welds and de-burring.
- » Standard density.
- » Tough fiberglass backing.
- » Zirconia grain outlasts aluminum oxide up to 3 to 1.



PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
36 grit			
36423	15,300	4 × 5/8	10
36623	13,300	4½ × 7/8	10
37623	13,300	4½ × 5/8 -11	10
36523	12,200	5 × 7/8	10
37523	12,200	5 × 5/8 -11	10
36723	8,500	7 × 7/8	10
37723	8,500	7 × 5/8 -11	10

40 grit

36424	15,000	4 × 5/8	10
36624	13,300	4½ × 7/8	10
37624	13,300	4½ × 5/8 -11	10
36524	12,200	5 × 7/8	10
37524	12,200	5 × 5/8 -11	10
36724	8,500	7 × 7/8	10
37724	8,500	7 × 5/8 -11	10

60 grit

36426	15,000	4 × 5/8	10
36626	13,300	4½ × 7/8	10
37626	13,300	4½ × 5/8 -11	10
36526	12,200	5 × 7/8	10
37526	12,200	5 × 5/8 -11	10
36726	8,500	7 × 7/8	10
37726	8,500	7 × 5/8 -11	10

80 grit

36428	15,000	4 × 5/8	10
36628	13,300	4½ × 7/8	10
37628	13,300	4½ × 5/8 -11	10
36528	12,200	5 × 7/8	10
37528	12,200	5 × 5/8 -11	10
36728	8,500	7 × 7/8	10
37728	8,500	7 × 5/8 -11	10

120 grit

36620	13,300	4½ × 7/8	10
37620	13,300	4½ × 5/8 -11	10
37520	12,200	5 × 5/8 -11	10
36720	8,500	7 × 7/8	10



resin FIBER DISCS

Max Force

Max Force resin fiber discs utilize zirconia abrasive and proprietary resin systems to achieve disc performance that is tough to beat. Max Force resin fiber discs are especially well suited for difficult to grind materials such as hardened and stainless steels while maintaining its sharp cutting property throughout the life of the disc. Max Force is the choice of professionals seeking optimal results and performance.

Lightning

Lightning resin fiber discs utilize aluminum oxide grain and offer great performance for all general purpose sanding and finishing applications where a resin fiber disc is preferred versus using a conventional paper backed disc. Extra durable fiber backing on the Lightning disc gives it an enhanced service life compared to lower priced alternatives.

Our resin fiber discs are manufactured for various grinding, blending, finishing operations on ferrous and non-ferrous metals.

Manufactured with high quality abrasive grain, stronger bonds, and heavy-duty fiber backing.

These discs provide increased strength, longer life and tear resistance for tough finishing applications.



● ZIRCONIA - ZA

- » Main application - designed for various grinding, blending and finishing operations on stainless steel and high tensile alloys.
- » Secondary application - ferrous and non-ferrous metals.
- » Zirconia grain outlasts aluminum oxide 3 - 1.



PERFORMANCE LEVEL

Max Force

PART#	DIMENSIONS	QTY
<i>16 grit</i>		
09501	5 × 7/8	25
09701	7 × 7/8	25
09901	9 × 7/8	25

24 grit

09401	4 × 5/8	25
09411	4½ × 7/8	25
09502	5 × 7/8	25
09702	7 × 7/8	25
09902	9 × 7/8	25

36 grit

09402	4 × 5/8	25
09412	4½ × 7/8	25
09503	5 × 7/8	25
09703	7 × 7/8	25
09903	9 × 7/8	25

50 grit

09403	4 × 5/8	25
09413	4½ × 7/8	25
09504	5 × 7/8	25
09704	7 × 7/8	25
09904	9 × 7/8	25

60 grit

09404	4 × 5/8	25
09414	4½ × 7/8	25
09505	5 × 7/8	25
09705	7 × 7/8	25
09905	9 × 7/8	25

80 grit

09405	4 × 5/8	25
09415	4½ × 7/8	25
09506	5 × 7/8	25
09706	7 × 7/8	25
09906	9 × 7/8	25

● ALUMINUM OXIDE - A

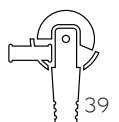
- » Main application - designed for various grinding, blending and finishing operations on ferrous and non-ferrous metals.
- » Secondary application - wood, plastic and fiberglass.
- » Aluminum oxide grain for excellent general purpose use.

PERFORMANCE LEVEL

Lightning

PART#	DIMENSIONS	QTY
<i>16 grit</i>		
06501	5 × 7/8	25
06701	7 × 7/8	25
06901	9 × 7/8	25

resin fiber discs continues...



● ALUMINUM OXIDE

- » Main application - designed for various grinding, blending and finishing operations on ferrous and non-ferrous metals.
- » Secondary application - wood, plastic and fiberglass.
- » Aluminum oxide grain for excellent general purpose use.

PERFORMANCE LEVEL

Lightning

PART#	DIMENSIONS	QTY
<i>24 grit</i>		
06401	4 × 5/8	25
06411	4½ × 7/8	25
06502	5 × 7/8	25
06702	7 × 7/8	25
06902	9 × 7/8	25

36 grit

06402	4 × 5/8	25
06412	4½ × 7/8	25
06503	5 × 7/8	25
06703	7 × 7/8	25
06903	9 × 7/8	25

50 grit

06403	4 × 5/8	25
06413	4½ × 7/8	25
06504	5 × 7/8	25
06704	7 × 7/8	25
06904	9 × 7/8	25

60 grit

06404	4 × 5/8	25
06414	4½ × 7/8	25
06505	5 × 7/8	25
06705	7 × 7/8	25
06905	9 × 7/8	25

80 grit

06405	4 × 5/8	25
06415	4½ × 7/8	25
06506	5 × 7/8	25
06706	7 × 7/8	25
06906	9 × 7/8	25

100 grit

06406	4 × 5/8	25
06416	4½ × 7/8	25
06507	5 × 7/8	25
06707	7 × 7/8	25
06907	9 × 7/8	25

120 grit

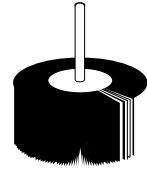
06407	4 × 5/8	25
06417	4½ × 7/8	25
06508	5 × 7/8	25
06708	7 × 7/8	25
06908	9 × 7/8	25





B\>A[®]
surfaces be warned...

small diameter & large diameter
FLAP WHEELS



 *Lightning*

Lightning flap wheels are constructed of aluminum oxide/resin coated, abrasive cloth. An extremely versatile and easy to use abrasive accessory for light stock removal and finishing on almost any material you may be working on. Available in a variety of diameters and grit sizes so you can fine tune your product selection to your exact application.

*Bullard's
flap wheels
are ideal for
edge blending,
cleaning, deburring
and finishing.*

*The flexibility of the coated
cloth was designed to contour
to various work surfaces allowing
maximum coverage of abrasive flaps
resulting in increased performance and longer life.*

small diameter 1" - 3"

● ALUMINUM OXIDE

- » Main application - designed for various grinding, blending and finishing operations on ferrous and non-ferrous metals.
- » Secondary application - stainless steel, wood, plastic and fiberglass.
- » Aluminum oxide grain for excellent general purpose use.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
60 grit			
94001	25,000	1 × 5/8 × 1/4	25
94011	25,000	1 × 1 × 1/4	25
94021	25,000	1 1/2 × 1/2 × 1/4	25
94031	25,000	1 1/2 × 1 × 1/4	25
94041	20,000	2 × 1 × 1/4	25
94051	20,000	2 1/2 × 1/2 × 1/4	25
94061	20,000	2 1/2 × 1 × 1/4	25
94071	20,000	3 × 1/2 × 1/4	25
94081	20,000	3 × 3/4 × 1/4	25
94091	20,000	3 × 1 × 1/4	25

80 grit

94002	25,000	1 × 5/8 × 1/4	25
94012	25,000	1 × 1 × 1/4	25
94022	25,000	1 1/2 × 1/2 × 1/4	25
94032	25,000	1 1/2 × 1 × 1/4	25
94042	20,000	2 × 1 × 1/4	25
94052	20,000	2 1/2 × 1/2 × 1/4	25
94062	20,000	2 1/2 × 1 × 1/4	25
94072	20,000	3 × 1/2 × 1/4	25
94082	20,000	3 × 3/4 × 1/4	25
94092	20,000	3 × 1 × 1/4	25

120 grit

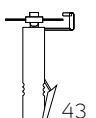
94003	25,000	1 × 5/8 × 1/4	25
94013	25,000	1 × 1 × 1/4	25
94023	25,000	1 1/2 × 1/2 × 1/4	25
94033	25,000	1 1/2 × 1 × 1/4	25
94043	20,000	2 × 1 × 1/4	25
94053	20,000	2 1/2 × 1/2 × 1/4	25
94063	20,000	2 1/2 × 1 × 1/4	25
94073	20,000	3 × 1/2 × 1/4	25
94083	20,000	3 × 3/4 × 1/4	25
94093	20,000	3 × 1 × 1/4	25

180 grit

94004	25,000	1 × 5/8 × 1/4	25
94014	25,000	1 × 1 × 1/4	25
94024	25,000	1 1/2 × 1/2 × 1/4	25
94034	25,000	1 1/2 × 1 × 1/4	25
94044	20,000	2 × 1 × 1/4	25
94054	20,000	2 1/2 × 1/2 × 1/4	25
94064	20,000	2 1/2 × 1 × 1/4	25
94074	20,000	3 × 1/2 × 1/4	25
94084	20,000	3 × 3/4 × 1/4	25
94094	20,000	3 × 1 × 1/4	25



flap wheels continues...



large diameter 4" - 6"

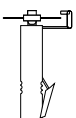
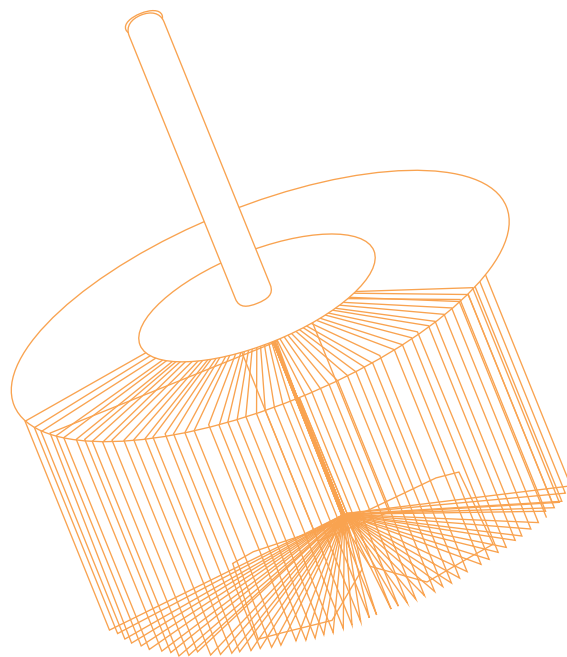
● ALUMINUM OXIDE

- » Main application - designed for various grinding, blending and finishing operations on ferrous and non-ferrous metals.
- » Secondary application - stainless steel, wood, plastic and fiberglass.
- » Aluminum oxide grain for excellent general purpose use.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
60 grit			
96421	8,500	4 × 1 × 5/8	5
96621	6,000	6 × 1 × 1	5
96631	6,000	6 × 1½ × 1	5
96641	6,000	6 × 2 × 1	5
80 grit			
96422	8,500	4 × 1 × 5/8	5
96622	6,000	6 × 1 × 1	5
96632	6,000	6 × 1½ × 1	5
96642	6,000	6 × 2 × 1	5
120 grit			
96423	8,500	4 × 1 × 5/8	5
96623	6,000	6 × 1 × 1	5
96633	6,000	6 × 1½ × 1	5
96643	6,000	6 × 2 × 1	5







03 grinding



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.

Whether you're beveling or edge grinding, our wheels will provide outstanding stock removal and high cost efficiency.

TYPE 27 *depressed center* GRINDING WHEELS

Max Force

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

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

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

Competitor

The 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.

● ZA24R

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

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
14463	15,000	4 x 1/4 x 5/8	25
14467	13,300	4 1/2 x 1/4 x 7/8	25
14468	13,300	4 1/2 x 1/4 x 5/8 -11	10
14567	12,200	5 x 1/4 x 7/8	25
14568	12,200	5 x 1/4 x 5/8 -11	10
14761	8,500	7 x 1/4 x 7/8	25
18761	8,500	7 x 1/4 x 5/8 -11	10
14961	6,500	9 x 1/4 x 7/8	25
18961	6,500	9 x 1/4 x 5/8 -11	10

● TA24S

- » Main application - ferrous metal (structural steel, iron, welds, etc).
- » Premium grinding wheel made of higher quality abrasive grain.
- » Enhanced wheel life with good stock removal rate.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
24473	15,000	4 x 1/4 x 5/8	25
24477	13,300	4 1/2 x 1/4 x 7/8	25
28477	13,300	4 1/2 x 1/4 x 5/8 -11	10
24573	12,200	5 x 1/4 x 7/8	25
28573	12,200	5 x 1/4 x 5/8 -11	10
20773	8,500	7 x 1/4 x 7/8	25
28773	8,500	7 x 1/4 x 5/8 -11	10
20973	6,500	9 x 1/4 x 7/8	25
28973	6,500	9 x 1/4 x 5/8 -11	10

● A24N

- » Main application - ferrous metal (structural steel, iron, welds, etc).
- » Softer bond - improved grinding time and reduced operator fatigue.
- » Fast stock removal.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
23367	19,000	3 x 1/4 x 3/8	25
23467	15,000	4 x 1/4 x 3/8	25
24453	15,000	4 x 3/16 x 5/8	25
24463	15,000	4 x 1/4 x 5/8	25
24457	13,300	4 1/2 x 3/16 x 7/8	25
24467	13,300	4 1/2 x 1/4 x 7/8	25
28467	13,300	4 1/2 x 1/4 x 5/8 -11	10
24563	12,200	5 x 1/4 x 7/8	25
28563	12,200	5 x 1/4 x 5/8 -11	10
24663	10,200	6 x 1/4 x 7/8	25
28663	10,200	6 x 1/4 x 5/8 -11	10
20761	8,500	7 x 1/4 x 7/8	25
20768	8,500	7 x 1/4 x 5/8 -11	10
20961	6,500	9 x 1/4 x 7/8	25
20968	6,500	9 x 1/4 x 5/8 -11	10



Type 27 depressed center continues...



● A24R

- » Main application - ferrous metal (structural steel, iron, welds, etc).
- » Harder bond - improved wheel life for increased wheel performance.
- » Great for beveling or grinding rough surfaces.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
24469	13,300	4½ × ¼ × 7/8	25
28469	13,300	4½ × ¼ × 5/8 -11	10
24569	12,200	5 × ¼ × 7/8	25
28569	12,200	5 × ¼ × 5/8 -11	10
24669	10,200	6 × ¼ × 7/8	25
28669	10,200	6 × ¼ × 5/8 -11	10
20769	8,500	7 × ¼ × 7/8	25
28769	8,500	7 × ¼ × 5/8 -11	10
20969	6,500	9 × ¼ × 7/8	25
28969	6,500	9 × ¼ × 5/8 -11	10

● A46Q

- » Main application - stainless steel and high tensile alloys. Contaminant-free.
- » Smoother and faster cutting.
- » Prevents discoloration, overheating and glazing.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
24461	13,300	4½ × ¼ × 7/8	25
28461	13,300	4½ × ¼ × 5/8 -11	10
24561	12,200	5 × ¼ × 7/8	25
28561	12,200	5 × ¼ × 5/8 -11	10
27761	8,500	7 × ¼ × 7/8	25
27768	8,500	7 × ¼ × 5/8 -11	10
27961	6,500	9 × ¼ × 7/8	25
27968	6,500	9 × ¼ × 5/8 -11	10

● C24R

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
24460	15,000	4 × ¼ × 5/8	25
24466	13,300	4½ × ¼ × 7/8	25
28466	13,300	4½ × ¼ × 5/8 -11	10
24566	12,200	5 × ¼ × 7/8	25
28566	12,200	5 × ¼ × 5/8 -11	10
20766	8,500	7 × ¼ × 7/8	25
26768	8,500	7 × ¼ × 5/8 -11	10
20966	6,500	9 × ¼ × 7/8	25
26968	6,500	9 × ¼ × 5/8 -11	10

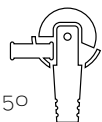
● AL36N

- » Main application - non-ferrous metals (aluminum, brass and copper).
- » Special formulation with softer bond to prevent loading.
- » Fast stock removal.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
23464	15,000	4 × ¼ × 5/8	25
24464	13,300	4½ × ¼ × 7/8	25
28464	13,300	4½ × ¼ × 5/8 -11	10
24564	12,200	5 × ¼ × 7/8	25
28564	12,200	5 × ¼ × 5/8 -11	10
20764	8,500	7 × ¼ × 7/8	25
28764	8,500	7 × ¼ × 5/8 -11	10
20964	6,500	9 × ¼ × 7/8	25
28964	6,500	9 × ¼ × 5/8 -11	10



● A24R

- » Main application - ferrous metal (structural steel, iron, welds, etc).
- » General purpose - fast cutting.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
21462	15,000	4 x 1/4 x 3/8	25
21463	15,000	4 x 1/4 x 5/8	25
21467	13,300	4 1/2 x 1/4 x 7/8	25
21468	13,300	4 1/2 x 1/4 x 5/8 -11	10
21569	12,200	5 x 1/4 x 7/8	25
21761	8,500	7 x 1/4 x 7/8	25
21768	8,500	7 x 1/4 x 5/8 -11	10
21961	6,500	9 x 1/4 x 7/8	25
21968	6,500	9 x 1/4 x 5/8 -11	10

● ZA24R

- » Main application - stainless steel and high tensile alloys.
- » Secondary application - ferrous metals (structural steel, iron, welds, etc).
- » Zirconia grain - enhanced cutting action and wheel life.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
11463	15,000	4 x 1/4 x 5/8	25
11467	13,300	4 1/2 x 1/4 x 7/8	25
11468	13,300	4 1/2 x 1/4 x 5/8 -11	10
11761	8,500	7 x 1/4 x 7/8	25
11768	8,500	7 x 1/4 x 5/8 -11	10

7/8" arbor hole can be converted to 5/8" -11 with adaptor kit CP50 - PART# 97500





TYPE 27

depressed center PIPELINE, LIGHT GRINDING & CUT-OFF WHEELS

Max Force

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

High Energy

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

Lightning

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

Competitor

Entry level general purpose pipeline, light grinding and cutting wheels suitable for all applications.

Our 1/8" Type 27 pipeline wheels are specially designed to withstand the pressures of off-hand cutting applications. Whether you are light grinding, cutting of pipeline root pass, weld and flame cut grinding, our wheels will provide a long life, fast stock removal with maximum safety.

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.

● ZA30S

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

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
14443	15,000	4 × 1/8 × 5/8	25
14447	13,300	4 1/2 × 1/8 × 7/8	25
14448	13,300	4 1/2 × 1/8 × 5/8 -11	10
14547	12,200	5 × 1/8 × 7/8	25
14548	12,200	5 × 1/8 × 5/8 -11	10
14647	10,200	6 × 1/8 × 7/8	25
14648	10,200	6 × 1/8 × 5/8 -11	10
14747	8,500	7 × 1/8 × 7/8	25
14748	8,500	7 × 1/8 × 5/8 -11	10
14947	6,500	9 × 1/8 × 7/8	25
14948	6,500	9 × 1/8 × 5/8 -11	10

● TA30S

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
27437	13,300	4 1/2 × 1/8 × 7/8	25
27438	13,300	4 1/2 × 1/8 × 5/8 -11	10
27737	8,500	7 × 1/8 × 7/8	25
27738	8,500	7 × 1/8 × 5/8 -11	10
27937	6,500	9 × 1/8 × 7/8	25
27938	6,500	9 × 1/8 × 5/8 -11	10

● A30R

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
24433	15,000	4 × 1/8 × 5/8	25
24437	13,300	4 1/2 × 1/8 × 7/8	25
24438	13,300	4 1/2 × 1/8 × 5/8 -11	10
24533	12,200	5 × 1/8 × 7/8	25
24538	12,200	5 × 1/8 × 5/8 -11	10
24633	10,200	6 × 1/8 × 7/8	25
24638	10,200	6 × 1/8 × 5/8 -11	10
20731	8,500	7 × 1/8 × 7/8	25
20738	8,500	7 × 1/8 × 5/8 -11	10
20931	6,500	9 × 1/8 × 7/8	25
20938	6,500	9 × 1/8 × 5/8 -11	10

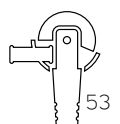
● A30R

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

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
21433	15,000	4 × 1/8 × 5/8	25
21437	13,300	4 1/2 × 1/8 × 7/8	25
21438	13,300	4 1/2 × 1/8 × 5/8 -11	10
21533	12,200	5 × 1/8 × 7/8	25
21731	8,500	7 × 1/8 × 7/8	25
21738	8,500	7 × 1/8 × 5/8 -11	10





Most commonly used in grinding and snagging operations when maximum surface coverage is required.

TYPE 11 *flaring* CUP WHEELS



Max Force

Max Force flaring cups are heavy-duty performers in tough grinding jobs. Made from the toughest zirconia abrasive, these flaring cups will produce high material removal and extended service life. In all flaring cup applications make sure machine speed matches the speed designation marked on each product label and use machine guards designed specifically for flaring cup operation.

Lightning

Lightning flaring cups for all heavy grinding applications in steel fabrication and foundries are available in plain and steel back depending on your individual preference. Choose aluminum oxide for all metal applications and silicon carbide for non-ferrous and masonry applications.



Due to the shape and grain amounts to manufacture this wheel, flaring cups are ideal for foundry applications when removing flashing, gates and risers from castings.

● ZA16P

- » Main application - rough grinding applications on steel castings, stainless steel, high tensile alloys and other hard materials.
- » Zirconia grain - superior stock removal and wheel life versus general purpose.
- » High Performance.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
40699	6,040	6 × 2 × 5/8 -11	5
<i>with metal safety back</i>			
41699	6,040	6 × 2 × 5/8 -11	5

● A16R

- » Main application - ferrous metals, heavy duty grinding, maximum surface coverage, removing flashing, cleaning castings.
- » Aluminum oxide grain.
- » General purpose.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
40493	9,072	4 × 2 × 5/8 -11	5
40593	7,248	5 × 2 × 5/8 -11	5
40693	6,040	6 × 2 × 5/8 -11	5
<i>with metal safety back</i>			
41493	9,072	4 × 2 × 5/8 -11	5
41593	7,248	5 × 2 × 5/8 -11	5
41693	6,040	6 × 2 × 5/8 -11	5

● C16P

- » Main application - heavy duty grinding, maximum surface coverage, stone, masonry and concrete.
- » Silicon carbide grain.
- » General purpose.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
40490	9,072	4 × 2 × 5/8 -11	5
40590	7,248	5 × 2 × 5/8 -11	5
40690	6,040	6 × 2 × 5/8 -11	5
<i>with metal safety back</i>			
41490	9,072	4 × 2 × 5/8 -11	5
41590	7,248	5 × 2 × 5/8 -11	5
41690	6,040	6 × 2 × 5/8 -11	5

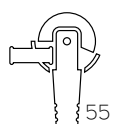
● ● AC16

- » Main application - heavy duty grinding, maximum surface coverage, non-ferrous & ductile iron.
- » Blend of aluminum oxide and silicon carbide abrasive grain.
- » General purpose.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
40695	6,040	6 × 2 × 5/8 -11	5
<i>with metal safety back</i>			
41695	6,040	6 × 2 × 5/8 -11	5



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.



TYPE 28 *depressed center* GRINDING WHEELS



Lightning

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



This unique hat shaped grinding wheel delivers more abrasive grain to the work surface to ensure maximum material removal.

● A24R

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
28767	8,500	7 x 1/4 x 5/8 -11	10
28967	6,500	9 x 1/4 x 5/8 -11	10

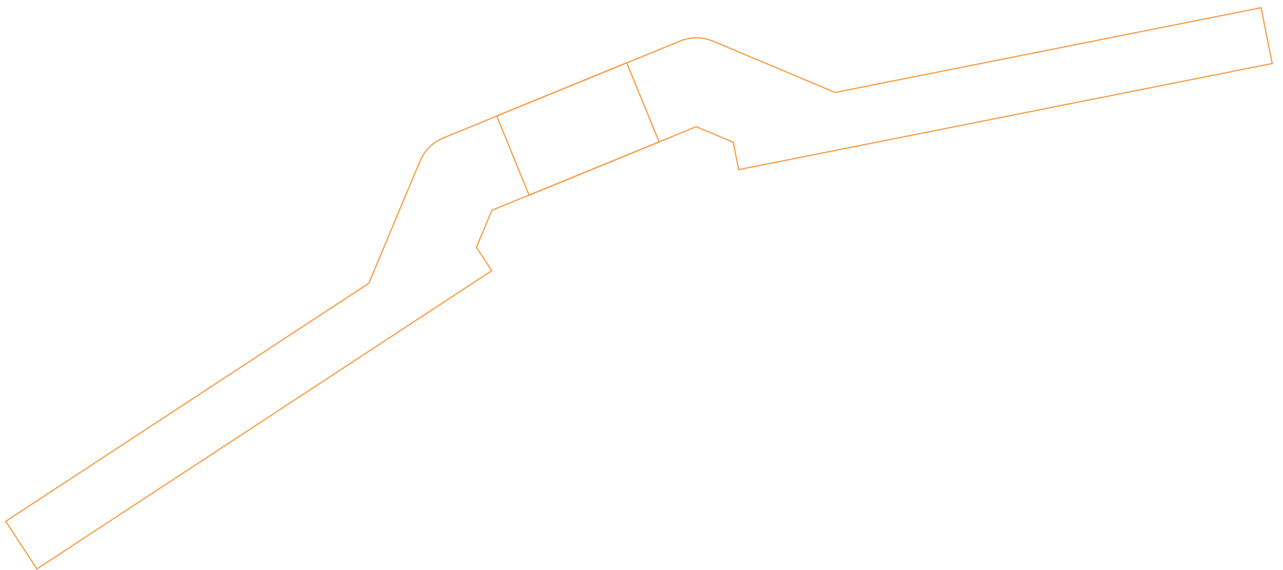
● C24R

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
28766	8,500	7 x 1/4 x 5/8 -11	10
28966	6,500	9 x 1/4 x 5/8 -11	10





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.

TYPE 27

depressed center

BLENDING, GRINDING & DEBURRING WHEELS



High Energy

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



● AC

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
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36 grit

31436	15,000	4 x 1/8 x 5/8	25
31636	13,300	4 1/2 x 1/8 x 7/8	25

46 grit

31446	15,000	4 x 1/8 x 5/8	25
31646	13,300	4 1/2 x 1/8 x 7/8	25

60 grit

31460	15,000	4 x 1/8 x 5/8	25
31660	13,300	4 1/2 x 1/8 x 7/8	25

80 grit

31480	15,000	4 x 1/8 x 5/8	25
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120 grit

31412	15,000	4 x 1/8 x 5/8	25
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● WA

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
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36 grit

33436	15,000	4 x 1/8 x 5/8	25
33636	13,300	4 1/2 x 1/8 x 7/8	25

80 grit

33480	15,000	4 x 1/8 x 5/8	25
33680	13,300	4 1/2 x 1/8 x 7/8	25

● CC

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
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36 grit

32436	15,000	4 x 1/8 x 5/8	25
32636	13,300	4 1/2 x 1/8 x 7/8	25

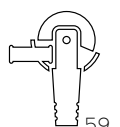
80 grit

32480	15,000	4 x 1/8 x 5/8	25
32680	13,300	4 1/2 x 1/8 x 7/8	25

Each 25-pack comes with a backing pad.

flexlite BACKING PADS

PART#	DIMENSIONS
31400	4
31600	4 1/2

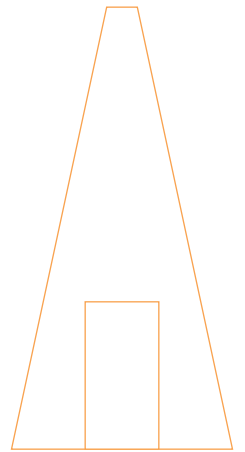
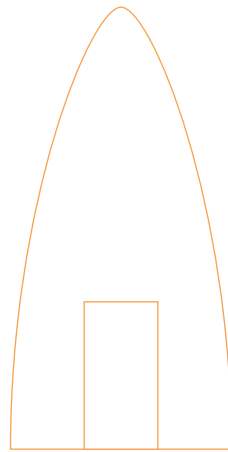


TYPE 16, 17, 18, 18R CONES & PLUGS



Lightning plugs and cones for all metal and foundry applications are formulated with coarse grit aluminum oxide. This is a fast stock removal formulation that works well on all materials. Available in various shapes and sizes to tailor the right profile to the job at hand.

Our resin bonded cones and plugs are typically used in confined, hard to reach working areas to grind and snag weld fillets, corners, and castings.



● A16

- » Main application - ferrous metals (steel, iron, welds, etc).
- » Coarse grit will provide rapid stock removal of large quantities of material, especially in the foundry application.

PERFORMANCE LEVEL TYPE 16

PART#	MAX RPM	DIMENSIONS	QTY
04601	29,000	1¼ × 3 × ⅜ -24	10
04602	29,000	1¼ × 3 × ⅝ -11	10
04603	20,700	1¾ × 3 × ⅜ -24	10
04604	20,700	1¾ × 3 × ⅝ -11	10
04605	18,100	2 × 3 × ⅜ -24	10
04607	13,200	2¾ × 3½ × ⅝ -11	10

PERFORMANCE LEVEL TYPE 17

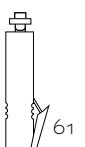
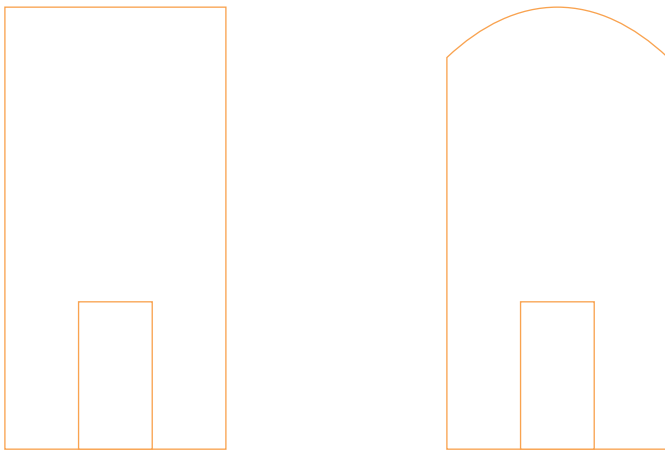
PART#	MAX RPM	DIMENSIONS	QTY
04609	29,000	1¼ × 3 × ⅝ -11	10
04612	24,150	1½ × 2½ × ⅝ -11	10
04614	24,150	1½ × 3 × ⅝ -11	10
04615	18,100	2 × 3 × ⅜ -24	10

PERFORMANCE LEVEL TYPE 18

PART#	MAX RPM	DIMENSIONS	QTY
04622	24,100	1½ × 2 × ⅝ -11	10
04625	24,100	1½ × 3 × ⅜ -24	10
04626	24,100	1½ × 3 × ⅝ -11	10
04628	18,100	2 × 3 × ⅝ -11	10

PERFORMANCE LEVEL TYPE 18R

PART#	MAX RPM	DIMENSIONS	QTY
04632	24,100	1½ × 2½ × ⅝ -11	10
04633	24,100	1½ × 3 × ⅜ -24	10
04634	24,100	1½ × 3 × ⅝ -11	10
04636	18,100	2 × 3 × ⅝ -11	10





These products are most commonly used in heavy-duty applications, from rough grinding to smooth finishes.

Vitrified bonded and silicon carbide abrasive hand and floor rubs can be used in either wet or dry conditions.

vitrified 
HAND & FLOOR RUBS

 *Lightning*

Lightning hand and floor rubs are made with a silicon carbide abrasive and can be used on any masonry, stone or concrete application. These handy abrasive accessories make finishing masonry an easy task.

● VITRIFIED RUBS

- » Main application - final finishing of all concrete and masonry surfaces.
- » Suitable for wet grinding applications.
- » Silicon carbide abrasive.

PERFORMANCE LEVEL

Lightning

HAND RUBS

PART#	SPEC	DIMENSIONS	QTY
99252	c24	6 × 3 × 1	1
99250	c24	8 × 3½ × 1½	1

FLOOR RUBS

PART#	SPEC	DIMENSIONS	QTY
99511	c10	4 × 2 × 2	5
99512	c24	4 × 2 × 2	5
99510	c10	6 × 2 × 1	5
99241	c24	6 × 2 × 2	5
99521	c10	8 × 2 × 2	5
99522	c24	8 × 2 × 2	5



*Axe head not quite up to par?
Drill bit seen better days?
Samurai sword lost its edge?
Not anymore.
Get that edge sharpened with
our complete line up of bench
grinding wheels.*

*As always, made
with only the best
materials and
engineered for any
application you can
think of.*

TYPE 1 *vitrified* **BENCH GRINDING WHEELS**

Lightning

Lightning general purpose aluminum oxide and silicon carbide bench wheels are great additions to any maintenance shop where bench grinders are used. Choose aluminum oxide for general use, and the GC (green silicon carbide) specification for applications where you wish to grind tool steel or other hardened materials. Remember to always “ring test” bench wheels before mounting and using.

● ALUMINUM OXIDE

- » Main application - ferrous metals (carbon, stainless steel and alloys).
- » Deburring applications and sharpening of tools.
- » Aluminum Oxide.

PERFORMANCE LEVEL

Lightning

24 grit

PART#	MAX RPM	DIMENSIONS	QTY
03241	2,069	12 × 2 × 1½	1
03441	1,773	14 × 2 × 1½	1

36 grit

03612	4,138	6 × ¾ × 1	1
03622	4,138	6 × 1 × 1	1
03722	3,600	7 × 1 × 1	1
03822	3,600	8 × 1 × 1¼	1
03022	2,483	10 × 1 × 1¼	1
03032	2,483	10 × 1½ × 1¼	1
03242	2,069	12 × 2 × 1½	1
03442	1,773	14 × 2 × 1½	1

46 grit

03023	2,483	10 × 1 × 1¼	1
03033	2,483	10 × 1½ × 1¼	1
03243	2,069	12 × 2 × 1½	1
03443	1,773	14 × 2 × 1½	1

60 grit

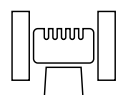
03614	4,138	6 × ¾ × 1	1
03624	4,138	6 × 1 × 1	1
03724	3,600	7 × 1 × 1	1
03824	3,600	8 × 1 × 1¼	1
03024	2,483	10 × 1 × 1¼	1
03034	2,483	10 × 1½ × 1¼	1
03244	2,069	12 × 2 × 1½	1
03444	1,773	14 × 2 × 1½	1

80 grit

03615	4,138	6 × ¾ × 1	1
03625	4,138	6 × 1 × 1	1
03725	3,600	7 × 1 × 1	1
03825	3,600	8 × 1 × 1¼	1



bench grinding wheels continues...



● GREEN SILICON CARBIDE

- » Main application - aluminum, brass, bronze and other non-ferrous metals.
- » For nonmetallic materials and carbide tipped tools.
- » Green Silicon Carbide.

PERFORMANCE LEVEL

Lightning

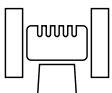
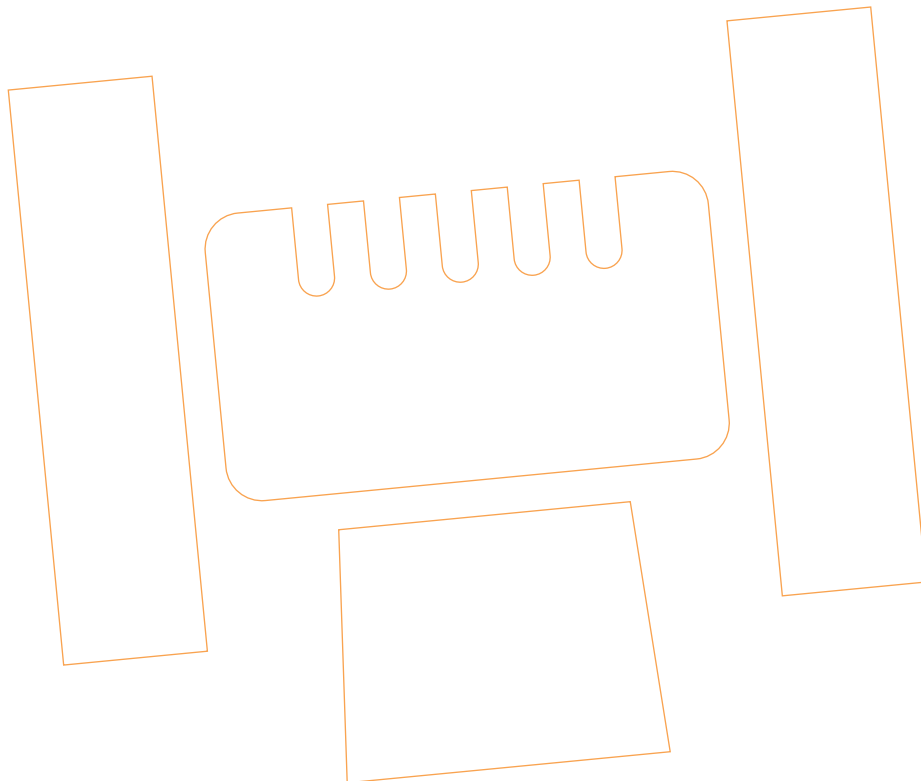
PART#	MAX RPM	DIMENSIONS	QTY
<i>60 grit</i>			
13614	4,138	6 × ¾ × 1	1
13624	4,138	6 × 1 × 1	1
13724	3,600	7 × 1 × 1	1
13824	3,600	8 × 1 × 1¼	1
13024	2,483	10 × 1 × 1¼	1

80 grit

13615	4,138	6 × ¾ × 1	1
13625	4,138	6 × 1 × 1	1
13725	3,600	7 × 1 × 1	1
13825	3,600	8 × 1 × 1¼	1
13025	2,483	10 × 1 × 1¼	1

120 grit

13616	4,138	6 × ¾ × 1	1
13626	4,138	6 × 1 × 1	1
13726	3,600	7 × 1 × 1	1
13826	3,600	8 × 1 × 1¼	1
13026	2,483	10 × 1 × 1¼	1







B>A[®]
surfaces be warned...

04 cutting



Small diameter snagging and cutting wheels are designed to perform on a 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 cutting.

TYPE 1

small diameter

CUT-OFF WHEELS

Max Force

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

High Energy

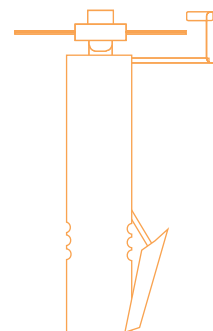
High Energy thin cut-off wheels blend performance with extended wheel life. A slightly thicker version of its smaller sibling the Lightning wheel, yet maintaining rapid cutting action characteristics of the thinner wheel.

Lightning

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

Competitor

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



● SGA60T

- » Main application - stainless steel and high tensile alloys.
- » Contaminant-free cutting of stainless steel. No iron, sulfur or chlorine - .035 thick.
- » Super premium long life cutting wheel specifically designed to cut all forms of stainless steel, high tensile alloys, chrome and Inconel® alloys.

● SGA46T

- » Main application - stainless steel and high tensile alloys.
- » Contaminant-free cutting of stainless steel. No iron, sulfur or chlorine - 1/16" thick.
- » Super premium long life cutting wheel specifically designed to cut all forms of stainless steel, high tensile alloys, chrome, Inconel® alloys and Hastelloys®.

PERFORMANCE LEVEL

Max Force

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

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
43313	25,450	3 × 1/16 × 3/8	50
43413	19,000	4 × 1/16 × 3/8	50

● ZA60T

- » Maximum wheel performance for stainless steel and high tensile alloys.
- » Premium long life wheel - 1/32" thick.
- » Zirconia grain - fine grit.

● ZA46T

- » Maximum wheel performance for stainless steel and high tensile alloys.
- » Premium fast cut wheel - 1/16" thick.
- » Zirconia grain - medium fine grit.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
93303	25,450	3 × 1/32 × 3/8	50
93301	25,450	3 × 1/32 × 1/4	50
93403	19,000	4 × 1/32 × 3/8	50

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
93313	25,450	3 × 1/16 × 3/8	50
93311	25,450	3 × 1/16 × 1/4	50
93413	19,000	4 × 1/16 × 3/8	50

● TA36T

- » Main application - ferrous metals - 1/8", 3/16", 1/4", 3/8", and 1/2" used for weld grinding, surface preparation (welds, steel and iron) - non-ferrous (copper).
- » Secondary application - stainless steel and high tensile alloy.
- » Treated aluminum oxide grain - medium coarse grit.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
53233	38,200	2 × 1/8 × 3/8	50
61263	30,550	2 × 1/4 × 3/8	25
61283	27,120	2 × 3/8 × 3/8	25
61293	27,120	2 × 1/2 × 3/8	25
55233	30,500	2 1/2 × 1/8 × 3/8	50
65263	24,430	2 1/2 × 1/4 × 3/8	25
65293	21,680	2 1/2 × 1/2 × 3/8	25
53323	25,450	3 × 3/32 × 3/8	50
53333	25,450	3 × 1/8 × 3/8	50
53353	25,450	3 × 3/16 × 3/8	50
61363	20,370	3 × 1/4 × 3/8	25
61383	20,370	3 × 3/8 × 3/8	25
61393	20,370	3 × 1/2 × 3/8	25
53433	19,000	4 × 1/8 × 3/8	50
61463	13,560	4 × 1/4 × 3/8	25
61483	13,560	4 × 3/8 × 3/8	25

● TA60T

- » Main application - ferrous metals (welds, steel and iron), ideal for thin wall work turning.
- » Secondary application - stainless steel for fast, burr free cutting - .035 thick.
- » Treated aluminum oxide grain - fine grit.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
53203	38,200	2 × .035 × 3/8	50
53303	25,450	3 × .035 × 3/8	50
53301	25,450	3 × .035 × 1/4	50
53403	19,000	4 × .035 × 3/8	50

● TA46T

- » Main application - ferrous metals (welds, steel and iron), ideal for sheet metal, minimum burring.
- » Secondary application - stainless steel and high tensile alloy - 1/16" thick.
- » Treated aluminum oxide grain - medium fine grit.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
53213	38,200	2 × 1/16 × 3/8	50
55213	30,500	2 1/2 × 1/16 × 3/8	50
56213	25,450	2 7/8 × 1/16 × 3/8	50
53313	25,450	3 × 1/16 × 3/8	50
53311	25,450	3 × 1/16 × 1/4	50
53312	25,450	3 × 1/16 × 1/2	50
53413	19,000	4 × 1/16 × 3/8	50

● A60T

- » Main application - ferrous metals.
- » General purpose cutting.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
51303	25,450	3 × 1/32 × 3/8	25
51301	25,450	3 × 1/32 × 1/4	25
51314	25,450	3 × 1/16 × 3/8	50
51312	25,450	3 × 1/16 × 1/4	25
51334	25,450	3 × 1/8 × 3/8	25
51403	19,000	4 × 1/32 × 3/8	25
51414	19,000	4 × 1/16 × 3/8	50
51434	19,000	4 × 1/8 × 3/8	50

● A36T

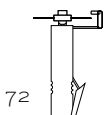
- » Main application - ferrous metals.
- » General purpose cutting.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
51313	25,450	3 × 1/16 × 3/8	50
51311	25,450	3 × 1/16 × 1/4	25
51333	25,450	3 × 1/8 × 3/8	25
51413	19,000	4 × 1/16 × 3/8	50
51433	19,000	4 × 1/8 × 3/8	25

Call Customer Service for arbors:
1-800-227-4469







TYPE 1

gas or electric portable saw

CUT-OFF WHEELS

High Energy

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

Lightning

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

Competitor

Competitor wheels in metal and concrete specifications are the lowest cost option for portable saw applications. Competitor products are manufactured in Taiwan.

Our wheels have been engineered to perform under the toughest operating environments when consistency and dependability is required.

Bullard wheels are 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.



● TA24R

- » Main application - thin metals, roof, decking, car dismantling.
- » Premium wheel, formulated to prevent wheel breakdown due to sharp metal edges.
- » Specially treated aluminum oxide grain and hard bond.

PERFORMANCE LEVEL

High Energy

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

● PA24R

- » Main application - ferrous metals (structural steel, iron, rebar, etc).
- » Premium performance wheel formulated for longer life in most demanding jobs.
- » Treated aluminum oxide.

PERFORMANCE LEVEL

High Energy

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

● A24R

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

PERFORMANCE LEVEL

Lightning

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

● AC24R

- » Main application - ductile pipe, cast iron, concrete, coated steel, sewer and water mains.
- » A combination of aluminum oxide and silicon carbide grain.

PERFORMANCE LEVEL

High Energy

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

● PC24R

- » Main application - cured concrete, masonry, brick, block and stone.
- » Premium wheel with hard bond.
- » Silicon carbide grain.

PERFORMANCE LEVEL

High Energy

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



● C24R

- » Main application - cured concrete, masonry, brick, block and stone. One of the most popular wheels for all around cutting of masonry materials.
- » Silicon carbide grain.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
80231	6,360	12 × 1/8 × 1	10
80130	6,360	12 × 1/8 × 20mm	10
80430	5,460	14 × 1/8 × 1	10
80431	5,460	14 × 1/8 × 20mm	10
80630	4,800	16 × 1/8 × 1	5
80631	4,800	16 × 1/8 × 20mm	5

● CC20R

- » Main application - asphalt and green concrete.
- » Secondary application - cured concrete and masonry.
- » A coarse silicon carbide grain helps eliminate clogging when cutting off soft materials.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
81231	6,360	12 × 1/8 × 1	10
81130	6,360	12 × 1/8 × 20mm	10
81430	5,460	14 × 1/8 × 1	10
81431	5,460	14 × 1/8 × 20mm	10

● A24R

- » Main application - ferrous metals (structural steel, iron, rebar, etc.)
- » General purpose cutting wheel.
- » Value line.

PERFORMANCE LEVEL

Competitor

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

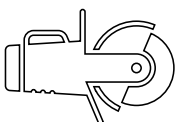
● C24R

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

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
86430	5,460	14 × 5/32 × 1	10
86431	5,460	14 × 5/32 × 20mm	10





CUTTING

Engineered to perform under the toughest operating environments, our specialized wheels for rail track cutting on portable gas and hydraulic saws will deliver fast and straight cutting action.

Offered in three performance tiers, Bullard Rail Track Wheels have a specification for the widest range for track weights and saw types.



TYPE 1 gas and hydraulic rail saw CUT-OFF WHEELS

Max Force

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

High Energy

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

Lightning

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

Photo used with permission of Husqvarna Construction AB.

● ZA24Q

- » Main application - main track, yard track, and rail steel.
- » High performance wheel formulated for fast cutting. An extended wheel life for rail track cutting.
- » Zirconia grain - providing long life, fast cutting and less burn ideally suited for greater than 120 pound rail.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
85433	5,460	14 × 1/8 × 1	10
85633	4,800	16 × 1/8 × 1	5

● ZA30R

- » Main application - main track, yard track, and rail steel.
- » High performance wheel formulated for fast cutting. An extended wheel life for rail track cutting.
- » Zirconia grain - providing long life, fast cutting and less burn ideally suited for less than 120 pounds rail.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
85434	5,460	14 × 1/8 × 1	10
85634	4,800	16 × 1/8 × 1	5

● A30R

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

PERFORMANCE LEVEL

High Energy

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

● A36T

- » Main application - main track, yard track, and rail steel.
- » General purpose wheel formulated for railroad track cutting.

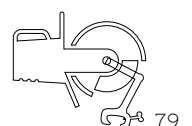
PERFORMANCE LEVEL

Lightning

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



Our wheels have been engineered to perform under the toughest operating environments when consistency and dependability are required.





TYPE 1

portable chop saw

CUT-OFF WHEELS

Max Force

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

High Energy

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

Lightning

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

Competitor

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

Bullard wheels are externally reinforced to provide additional side load strength, safety and unsurpassed performance.

● ZA36T

- » Main application - stainless steel and other high tensile alloys.
- » Performance minded with increased speed of cut and wheel life.
- » Zirconia grain.

PERFORMANCE LEVEL

Max Force

PART#	MAX RPM	DIMENSIONS	QTY
54429	4,366	14 × 3/32 × 1	10
54439	4,366	14 × 7/64 × 1	10

● TA36T

- » Main application - for combination use on high gauge structural steel or metal studs and light gauge metals.
- » Premium performance.
- » Combination of various specially treated abrasive grain types.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
54023	6,112	10 × 3/32 × 5/8	10
54223	5,092	12 × 3/32 × 1	10
54423	4,366	14 × 3/32 × 1	10
54433	4,366	14 × 7/64 × 1	10
54623	3,820	16 × 3/32 × 1	5

● A36 - INOX

- » Main application - contaminant-free cutting of stainless steel.
- » Fast and cool cutting action.
- » Free of iron, sulfur and chlorine.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
54425	4,366	14 × 3/32 × 1	10

● A36R

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

PERFORMANCE LEVEL

Lightning

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

● A46T

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

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
54021	6,112	10 × 3/32 × 5/8	10
54221	5,092	12 × 3/32 × 1	10
54421	4,366	14 × 3/32 × 1	10
54431	4,366	14 × 7/64 × 1	10
54621	3,820	16 × 3/32 × 1	5

● AL36R

- » Main application - non-ferrous metals (aluminum, brass and copper).
- » Fast cutting action with softer bond to prevent loading.

PERFORMANCE LEVEL

High Energy

PART#	MAX RPM	DIMENSIONS	QTY
54224	5,092	12 × 3/32 × 1	10
54424	4,366	14 × 3/32 × 1	10
54434	4,366	14 × 7/64 × 1	10

● A36R

- » Main application - ferrous metals (structural metal, heavy rebar, channel iron, angle iron, etc).
- » Internally reinforced.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
51422	4,366	14 × 7/64 × 1	10

● A46T

- » Main application - specially formulated for metal studding, light gauge metals and thin rebar.
- » Externally reinforced.
- » Value line.

PERFORMANCE LEVEL

Competitor

PART#	MAX RPM	DIMENSIONS	QTY
51421	4,366	14 × 3/32 × 1	10





CUTTING



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.

TYPE 1 *circular saw* CUT-OFF WHEELS



Lightning

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



● A24R

- » Main application - ferrous metals (angle iron, rebar, steel and metal tubing).
- » Harder bond - improved wheel life for increased wheel performance.
- » Aluminum oxide grain.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
53631	10,186	6 × 3/32 × 5/8	10
53634	9,400	6 1/2 × 3/32 × 5/8	10
53731	8,732	7 × 3/32 × 5/8	10
53831	7,640	8 × 3/32 × 5/8	10

single wheel package

08603	10,186	6 × 3/32 × 5/8	10
08653	9,400	6 1/2 × 3/32 × 5/8	10
08703	8,732	7 × 3/32 × 5/8	10
08803	7,640	8 × 3/32 × 5/8	10

● C24R

- » Main application - masonry, concrete, brick, stone and soft aggregate.
- » Harder bond - improved wheel life for increased wheel performance.
- » Silicon carbide grain.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
71631	10,186	6 × 1/8 × 5/8	10
71632	9,400	6 1/2 × 1/8 × 5/8	10
71731	8,732	7 × 1/8 × 5/8	10
71831	7,640	8 × 1/8 × 5/8	10

single wheel package

07600	10,186	6 × 1/8 × 5/8	10
07650	9,400	6 1/2 × 1/8 × 5/8	10
07700	8,732	7 × 1/8 × 5/8	10
07800	7,640	8 × 1/8 × 5/8	10

● ● AC24R

- » 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.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
62731	8,732	7 × 1/8 × 5/8	10

All arbors feature a diamond knockout.



CUTTING

METAL



TYPE 1 *stationary saw* CUT-OFF WHEELS



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



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.



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

55052
PART #
20 x 3 1/16 x
MAX RPM
2,712
SPEC

● A300

- » Main application - ferrous metals (cast iron, iron, bar stock and solid turnings).
- » Fast cut wheel.
- » Internally reinforced with flange ply on 14" - 20" diameters.

● A30R

- » Main application - ferrous metals (cast iron, bar stock and solid turnings).
- » General purpose.
- » Internally reinforced with flange ply on 14" - 20" diameters.

● A30T

- » Main application - ferrous metals (cast iron, bar stock and solid turnings).
- » Long life.
- » Internally reinforced with flange ply on 14" - 20" diameters.

● C20R

- » Main application - non-ferrous metals, stone, brick and concrete.
- » General purpose.
- » Internally reinforced with flange ply on 14" - 20" diameters.

PERFORMANCE LEVEL

Lightning

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

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
54132	6,112	10 × 1/8 × 1	10
54232	5,092	12 × 1/8 × 1	10
54642	3,820	16 × 5/32 × 1	5
55032	2,712	20 × 1/8 × 1	5
55052	2,712	20 × 3/16 × 1	5

PERFORMANCE LEVEL

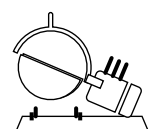
Lightning

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

PERFORMANCE LEVEL

Lightning

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



TYPE 1

walk-behind street saw

CUT-OFF WHEELS



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

● C16T

- » Main application - green concrete, asphalt and concrete with soft aggregate.
- » Silicon carbide grain - open bond structure and coarse grain allows this wheel to provide fast and clog resistant cutting.
- » For maximum blade performance use 7-1/2 to 20 horsepower saws.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
74450	4,366	14 × 3/16 × 1 w/PH	5
74460	4,366	14 × 1/4 × 1 w/PH	5

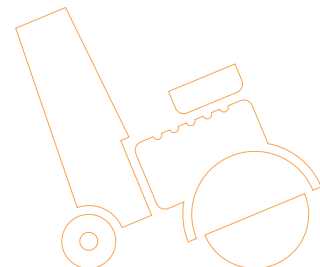
● C16R

- » Main application - cured concrete.
- » Silicon carbide grain - for fast, free cutting of cured concrete with soft to medium hard aggregate.
- » For maximum blade performance use 7-1/2 to 20 horsepower saws.

PERFORMANCE LEVEL

Lightning

PART#	MAX RPM	DIMENSIONS	QTY
76450	4,366	14 × 3/16 × 1 w/PH	5
76860	3,013	18 × 1/4 × 1 w/PH	5



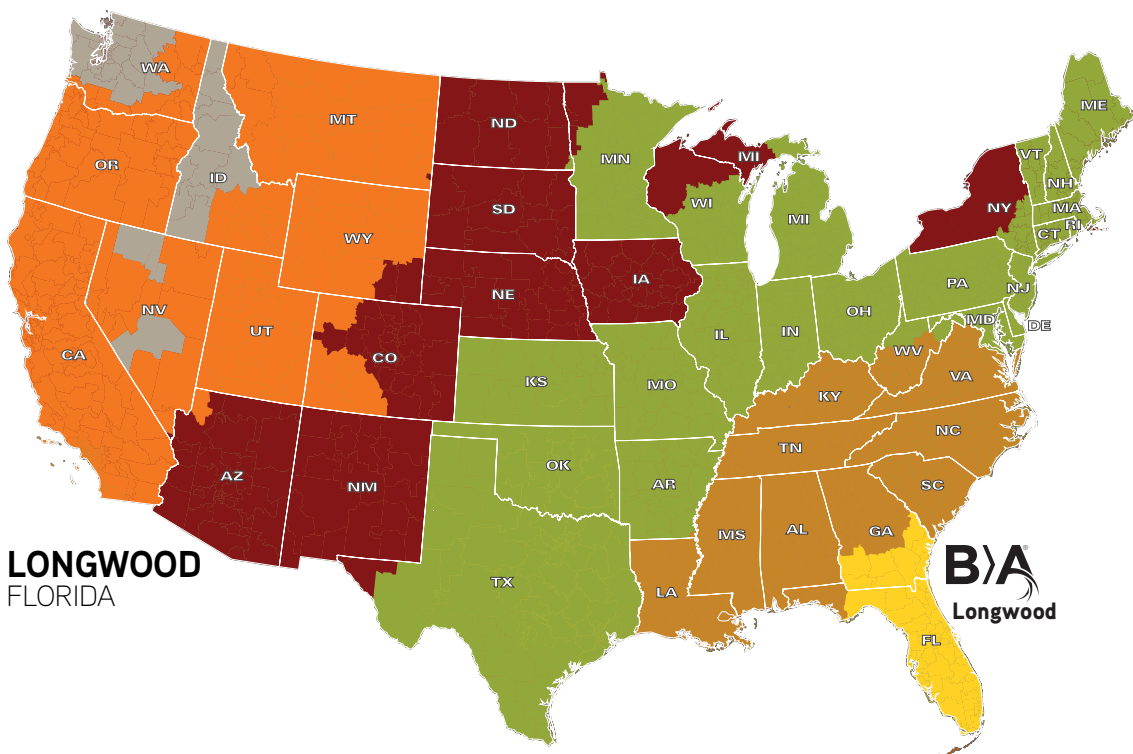
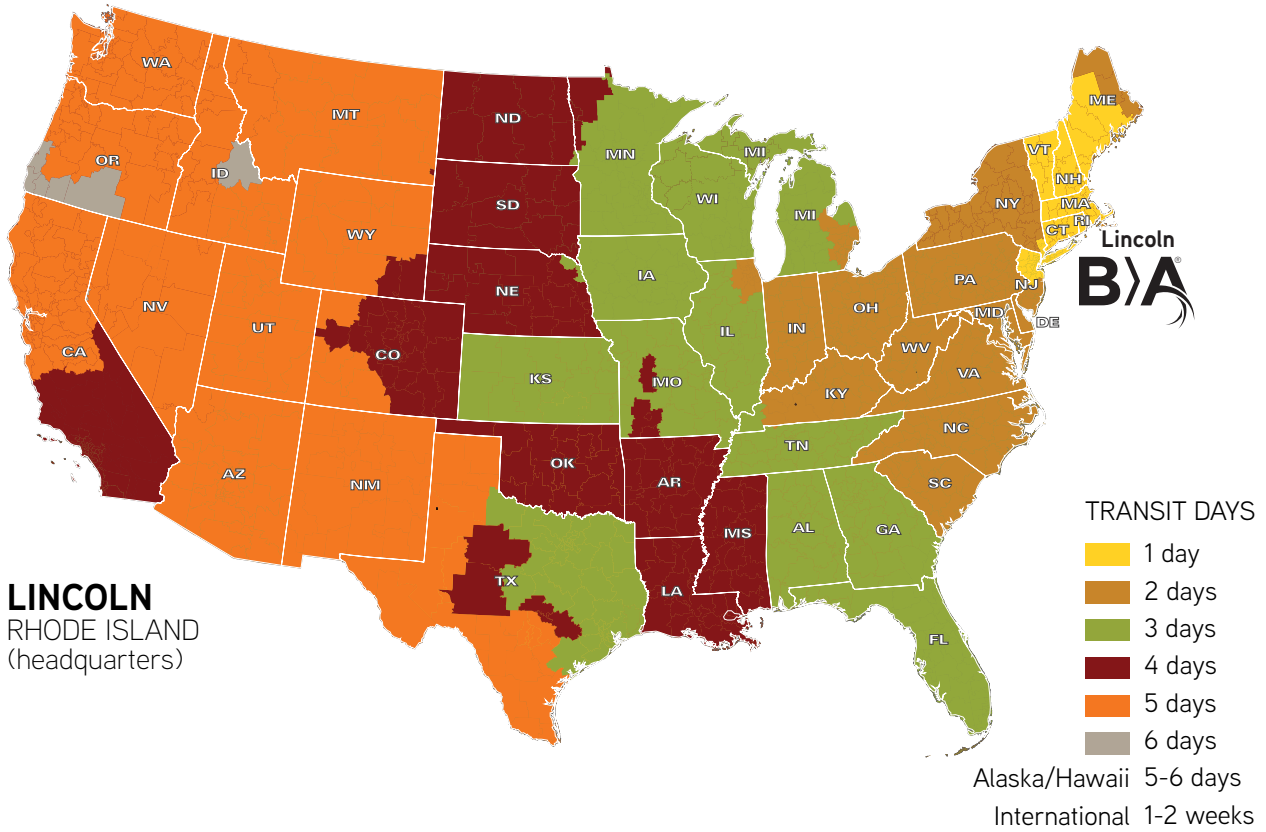
When diamond wheels are too expensive, use a Bullard street saw wheel to get the job done. American made performance and quality you can count on since 1927.

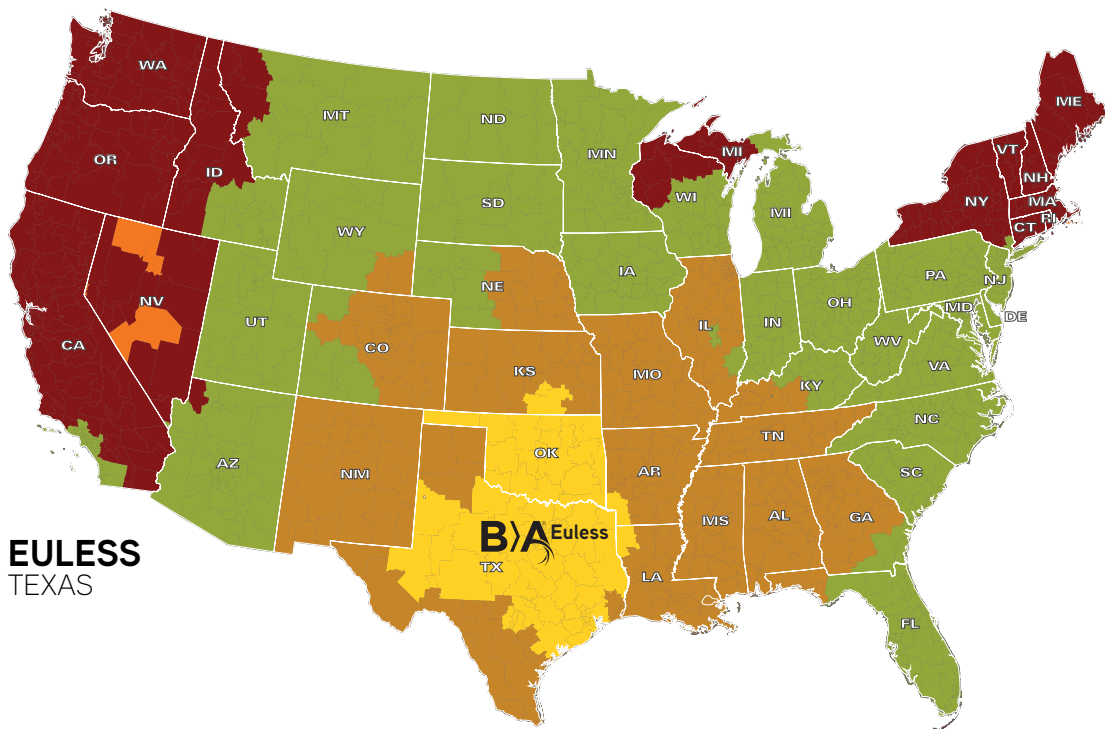
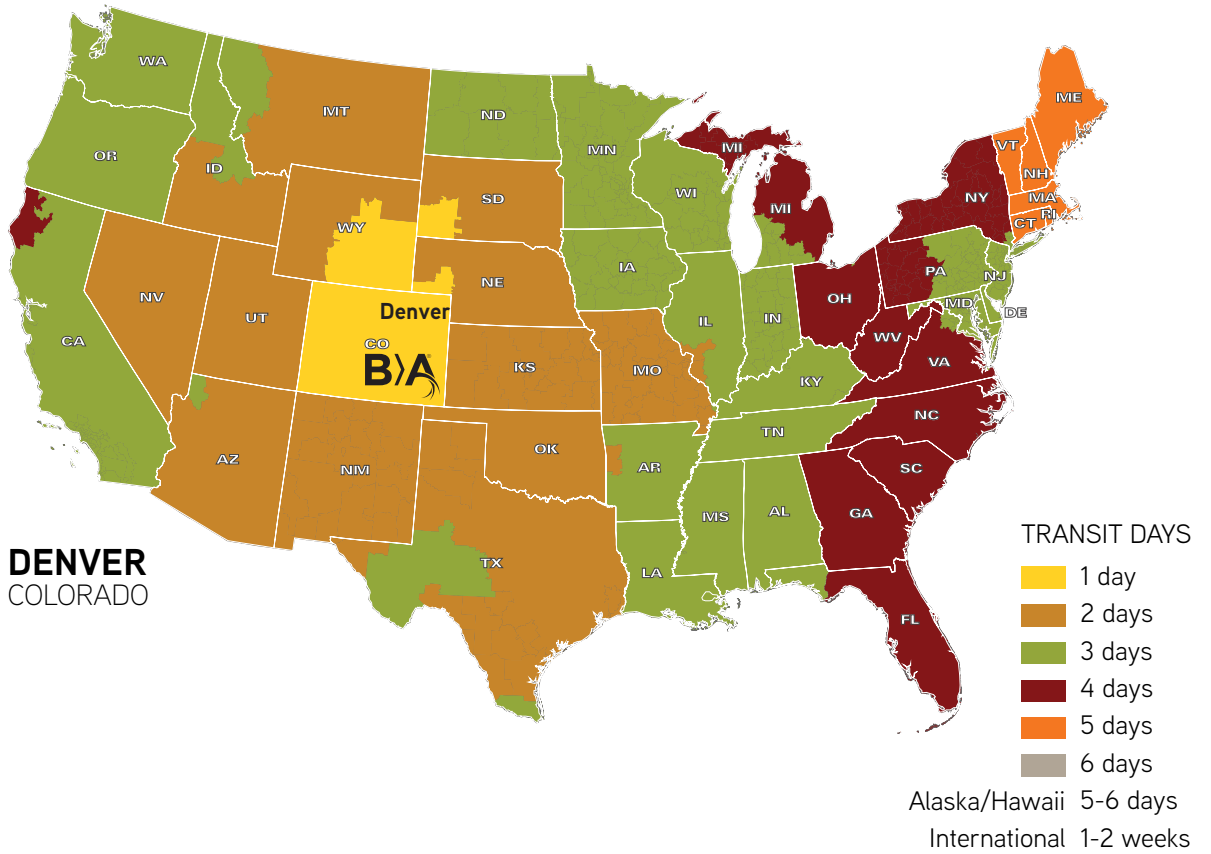
05
general
info



GROUND TRANSIT TIMES

» Bullard Abrasives, Inc. corporate headquarters and main distribution facility is located in Lincoln, Rhode Island. This full color US map is a general representation of our ground transit times.





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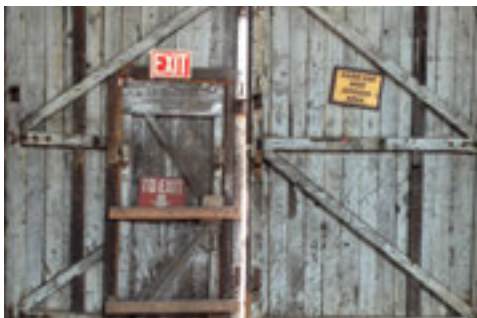
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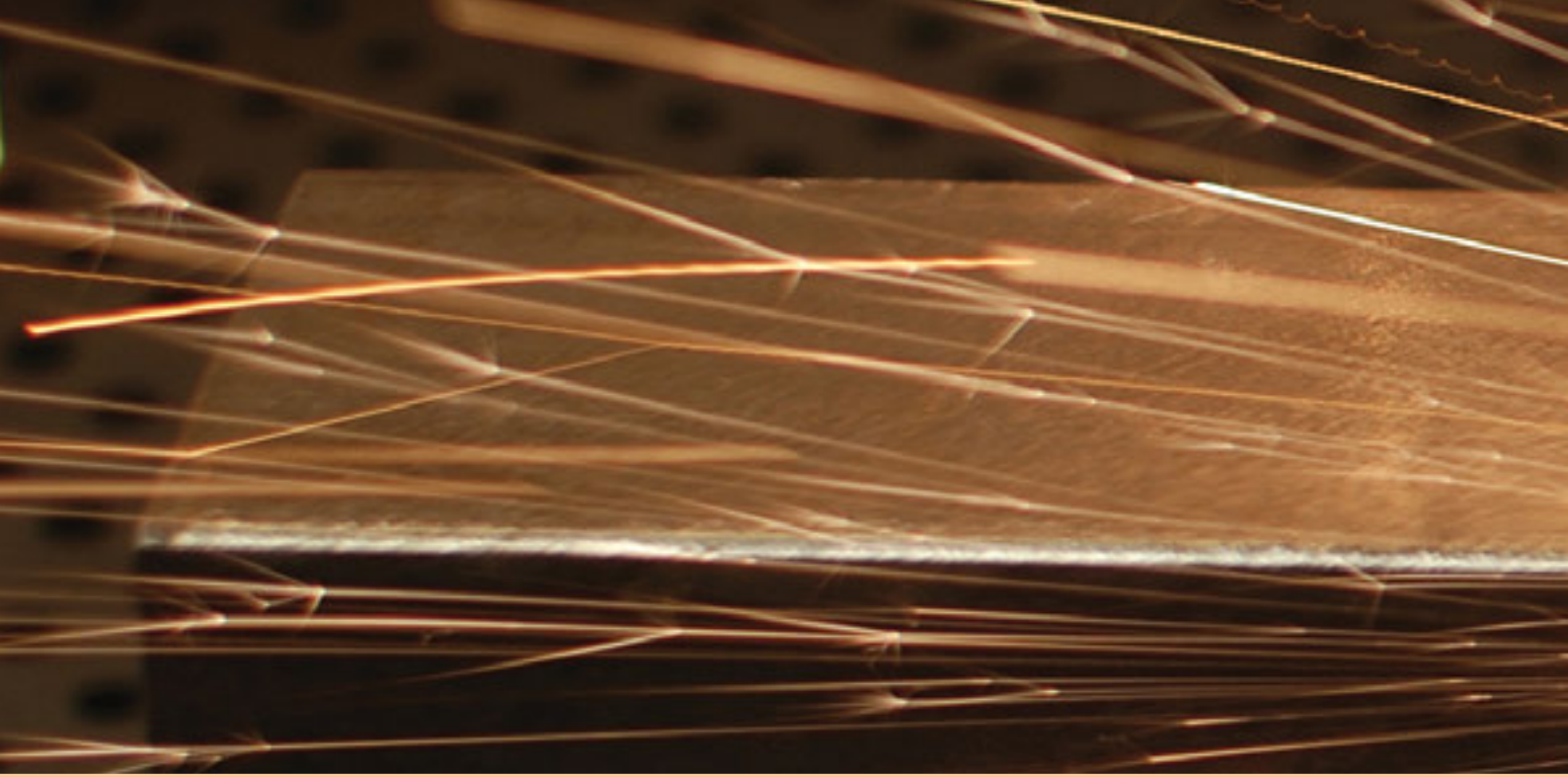
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