ABRASIVES

VGD SUPERFLEX ABRASIVES

VANGUARD STEEL LTD.

This is

VANGUARD STEEL LTD.

at your service

Since 1960, Vanguard Steel Ltd., a sister Company of Ringball Corporation, has been supplying specialty steels and steel products to North American Industries.

By representing some of the most reputable manufacturers around the Globe, Vanguard's various Product Divisions offer a wide range of North American, European and Asian products, many of which are being manufactured to Vanguard's own specifications and often exceed Industry Standards.

Besides office and warehousing facilities throughout Canada, Vanguard Steel relies on a vast network of Canadian and U.S. Distributors to assure local product availability and best possible service.

VANGUARD'S PRODUCT DIVISIONS:

- **SPECIALTY STEELS**
- **WIRE ROPES, CABLES AND RELATED HARDWARE**
- **CHAINS AND ACCESSORIES**
- **BUILDERS HARDWARE**
- **INDUSTRIAL KNIVES**
- **ABRASIVES**
- **WELDING CONSUMABLES**

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SUPERFLEX ABRASIVES

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PRODUCT MARKINGS/SYMBOL DEFINITIONS

Do not use if damaged

Follow all protective measures

Follow all safety instructions

Not suitable for grinding

Suitable for cutting

Suitable for grinding

Finish/Sanding products

Only use for stationary cutting

For use with a die grinder

Suitable for gas/power saw cutting

Flap disc products

Extremely quick cutting or grinding

Metal — Suitable for metal applications

Stainless — Suitable for stainless applications

Aluminum — Suitable for aluminum applications

Non-Ferrous — Suitable for non-ferrous applications

Concrete/Masonry — Suitable for concrete applications

Asphalt — Suitable for asphalt applications

PACKAGING/SHIPPING POLICIES

All Superflex abrasives are sold in full box quantities only, to help ensure that all products are delivered in good working order. It is still important that all materials are inspected when received and before shipping or using.

If any discs/products appear to be cracked or show signs of abuse DO NOT use/ship these discs.

WARNINGS AND INFORMATION

Nearly half of all accidents involving abrasives are caused by unsafe practices and usage by the operator.

By following minor precautions we can all prevent the risk of serious injury, damage or even death.

Do's

The use of common sense is your best defense

- Make sure to disconnect power tools prior to changing abrasives or wire brush products
- Inspect abrasives and wire brushes before use, if they appear to be damaged DO NOT use them
- Make sure that the operating speed of the tool does not exceed the Maximum R.P.M's. of the abrasive or wire brush
- Make sure that the clamping hardware properly centres and secures the abrasive or wire brush to the tool while still providing the required support
- Make sure that the material being worked on is properly secured
- Follow all safe guards indicated on the label
- Wear approved protective eye wear (safety glasses or face shields), body, ear and dust inhalation protection
- Ensure that the work area is clear/free of any obstructions and that it is safe for both the operator and other worker in the vicinity
- New abrasive and wire brushes should be allowed to run at the operating speed for up to a minute to ensure product and equipment safety
- If coolant is being used make sure to turned it off before stopping the wheel to prevent creating an out of balance condition

Don'ts

Abrasives and brushes run at extremely high speeds.

Particles of these products can break loose if damaged risking the possibility of serious injury, damage or even death.

- Use an abrasive product or wire brush that shows signs of abuse or damage
- Force an abrasive or wire brush onto the tool, they should mount without requiring excessive force
- Exceed the abrasive's or wire brushes rated Maximum R.P.M.
- Use cutting discs for grinding unless clearly indicated otherwise
- Use an abrasive or wire brush product on a tool that it was not designed for

CUTTING DISC SUITABILITY CHART

●● **Very Suitable**

● **Suitable**

○ **Limited Suitability**

	Page Number	Unalloy Steel	Construction Steel	Tool Steel	High Alloy Steel	Angular Steel	Angular Stainless	Cast	Aluminum	Copper	Brass or Bronze
Extra Thin Cutting Discs for Stainless and Carbon Steel											
AS46V Lifetime Plus		●●	●●	●●	●●	●●	●●	●	●	●	●
AS60V Lifetime Plus		●●	●●	●●	●●	●●	●●	●	●	●	●
AS46 Inox		●	●	●	●●	●●	●●	○	○	○	○
AS60 Inox		●	●	●	●●	●●	●●	○	●●	●●	●●
Extra Thin Cutting Discs for Aluminum and Non-Ferrous Metals											
CS60 Alu Special									●●	●●	●●
CS46 Alu Special									●●	●●	●●
Mini Cutting Discs for Metal											
AS46T		●	●	●	○	●●	○	○	○	○	○
Cutting Discs for Circular Saws (i.e. Skill Saws)											
AS30T		●●	●●	●●	○	●●	○	●	●	●	●
Cut Off Discs for Metal											
A24R		●●	●	●	○	●	○	●	●	●	●
AS30S-HT Gold		●●	●●	●●	○	●	○	●	●	●●	●
Cut Off Discs for Stainless Steel											
AS30 Inox Special		●	●	●	●●	●	●●	●●	●	●	●
Cut Off Discs for Aluminum and Non-Ferrous Metals											
AS30 Alu Special		●	○	○	○	○	○	○	●●	●●	●●
Extra Thin Combination Cutting and Grinding Discs											
AS46/30T Inox Cut + Grind		●	●	●	●●	●	●●	●●	○	○	○
Pipeline Combination Cutting and Grinding Discs											
AS30S		●●	●●	●●	○	●	○	●●	●	●	●

LIFETIME PLUS PACKAGING

What is *Lifetime Plus* and why do I need it?

All abrasives undergo a natural ageing process during storage, which is caused by the absorption of humidity found in the air by the disc.

Lifetime plus packaging creates a seal that keeps the moisture out preventing this ageing process from starting before the discs are needed.

Abrasives can loose up to 30% of their service life after just 6 weeks.

Benefits of *Lifetime plus* packaging:

- Increase service life by up to 30%
- Prevents the natural ageing process of synthetic resin-bonded discs before discs are needed
- The sealed metal tin protect the discs from the moisture in the air and from damaged during storage and/or transportation
- Packaged in recyclable metal tins

Results from service life (number of cuts) comparisons between discs stored in a proper (clean, dry) environment for 6 weeks and discs stored using the lifetime packaging.

AS46V LIFETIME PLUS

Metal | Stainless

This high performance disc offers very quick cutting times and an extremely long service life. It has been engineered to reduce vibration and minimal effort is required while cutting, making it easier on both the operator and equipment.

An excellent choice when cutting sheet steels and thin-walled tubing.

- Very good cutting speed and an unmatched service life
- Versatile disc designed to provide contamination free cutting of stainless steel, carbon steel, tool steels, aluminum, copper, brass and bronze
- Free of iron, sulphur and chlorine (Fe, S and Cl≤0.1%)

AS60V LIFETIME PLUS

Metal | Stainless

This top performance disc provides extremely quick cutting times and an excellent service life. The AS60V Gold disc is designed to cut thin sheet metal,steel cable, thin walled metal profile sections and pipe made of stainless steel or non-ferrous metals. It is also well suited for cutting fibre reinforced plastic (FRP) and high temperature metals commonly found in turbines.

- Extremely quick clean cuts and an very good service life
- Precision cool cutting (accurate to the millimeter) ensures burr free cutting
- Versatile disc designed to provide contamination free cutting of stainless steel materials, also well suited when cutting carbon steel tool steels, and high alloy steel
- Limited suitability when cutting aluminum, aluminum alloy or non-ferrous metals
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS46V GOLD		AS60V GOLD	Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x .040 x 7/8”			7385 1445	13,280	10 / 100
4-1/2 x 1/16 x 7/8”	7385 1465	*		13,280	10 / 100
5 x .040 x 7/8”			7385 1545	12,200	10 / 100
5 x 1/16 x 7/8”	7385 1565	*		12,200	10 / 100
6 x 1/16 x 7/8”	*	*		10,200	25
7 x 1/16 x 7/8”	*	*		8,600	25

* Available upon request, minimum order quantity may apply

AS46 Inox

Metal | Stainless

The AS46 Inox disc requires a minimal amount of effort and it produces very little vibration while cutting, making it easier on both the operator and equipment.

This disc offers very quick cutting speeds and a very good service life at an economical price.

- Very good cutting speed and service life
- Virtually no burrs are produced when cutting
- Versatile disc designed to provide contamination free cutting of stainless steel, carbon steel, tool steels and high alloy steel
- Free of iron, sulphur and chlorine (Fe, S and Cl≤0.1%)

AS60 Inox

Metal | Stainless

This very thin disc 1.0mm (0.040") offers a very quick and clean cut. A minimal amount of force is required allowing the disc and machine to do all of the work.

Precise to the millimeter this disc offer vibration free cutting without causing thermal bluing or burrs.

- Excellent cutting speed and a good service life
- Versatile disc designed to provide contamination free cutting of stainless steel, also well suited when cutting carbon steel, tool and high alloy steel
- Limited suitability when cutting aluminum, aluminum alloy or non-ferrous metals
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS46 Inox		AS60 Inox		Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x .040 x 7/8"			7385 0445	7385 0446	13,280	10 / 100
4-1/2 x 1/16 x 7/8"	7384 0462	*			13,280	10 / 100
5 x .040 x 7/8"			7385 0545	7385 0546	12,200	10 / 100
5 x 1/16 x 7/8"	7384 0562	*			12,200	10 / 100
6 x 1/16 x 7/8"	*	7384 0666			10,200	25
7 x 1/16 x 7/8"	*	7384 0766			8,600	25

* Available upon request, minimum order quantity may apply

CS46 Alu Special

Aluminum | Non-Ferrous

The CS46 Alu disc has been specially engineered to offer the maximum safety and performance for larger diameter discs (6 to 9") when cutting aluminum.

The special formula of this disc makes it the ideal product when cutting aluminum, aluminum alloys and non-ferrous metals.

- Very good cutting speed and an excellent service life
- Will not clog or load up
- Specially engineered to cut aluminum, aluminum alloys, non-ferrous metals such as copper brass and bonze
- Also well suited for most synthetic materials

CS60 Alu Special

Aluminum | Non-Ferrous

The CS60 Alu discs is very thin disc 1.0mm (0.040") which offers an extremely quick clean cuts. A minimal amount of force is required when cutting allowing the disc and machine to do all of the work.

The special formula of this disc makes it the ideal product when cutting aluminum, aluminum alloys and non-ferrous metal.

- Excellent cutting speed and service life
- Will not clog or load up
- Specially engineered to cut aluminum, aluminum alloys, non-ferrous metals such as copper brass and bonze
- Also well suited for most synthetic materials

Dimensions (Diameter x Thickness x Bore)	Vanguard Code		Max. R.P.M. 80m/Second	Standard Packaging
	CS46 Alu	CS60 Alu		
4-1/2 x .040 x 7/8"		7333 0445	13,280	25
5 x .040 x 7/8"		7333 0545	12,200	25
6 x 1/16 x 7/8"	*		10,200	25
7 x 1/16 x 7/8"	7333 0766		8,600	25
9 x 5/64 x 7/8"	*		6,600	25
7 x 1/16 x 7/8"		*	8,600	25

* Available upon request, minimum order quantity may apply

AS46T MINI

Metal

The AS46T mini cutting discs offer a means of reaching very tight areas. It can be used for high speed cutting, notching and grinding.

The special formula of this disc makes it very well suited when working on thin sheet steels, construction steel, tool steels and high speed steels.

- Very quick cutting and a good service life
- Ideal for flush cutting
- Versatile disc designed to cut carbon steels and tool steels

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS46T	Max. R.P.M. 80m/Second	Standard Packaging
3 x 3/64 x 3/8”	7383 7610	16,500	50
3 x 1/16 x 3/8”	7386 1616	16,500	50
3 x 1/8 x 3/8”	7383 7630	16,500	50
3 x 5/16 x 3/8”	7383 7680	16,500	50

AS30T CIRCULAR SAW

Metal

These AS30T discs are designed to run on circular saws, enabling the user to cut sheet metal without contouring the materials or producing burrs.

- Quick cutting speeds and a very good service life
- Well suited when cutting carbon steels, tool steels, solid materials, angular steel and tube steel

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS30T	Max. R.P.M. 80m/Second	Standard Packaging
7 x 3/32 x 5/8”	7380 0700	8,600	25
7 x 3/32 x 7/8”	7380 0706	8,600	25
8 x 3/32 x 5/8”	7380 0600	7,600	25

FREE HAND CUT OFF DISCS

A24R

Metal

This disc offers very quick cutting times and a good service life, ideal for both industrial and do-it-yourself applications.

- Very quick cutting speeds
- Good service life
- Economical pricing
- Well suited when cutting carbon steels, tool steels, solid materials, angular steel and tube steel

AS30S - HT GOLD

Metal | Aluminum | Non-Ferrous

This disc contains high temperature corundum and a very balanced bonding. The unique formula offers the aggressive cutting performance of a very soft disc, as well as the excellent service life you would expect from a much harder disc.

- Very quick cutting speed
- Excellent service life
- Well suited when cutting carbon steels, tool steels, rails, cast, non-ferrous metals, angular and tube steel

Dimensions (Diameter x Thickness x Bore)	Vanguard Code A24R	Vanguard Code AS30S - HT GOLD	Max. R.P.M. 80m/Second	Standard Packaging
4 x 1/8 x 5/8”	7305 0308	7335 0408	15,250	25
4-1/2 x 1/8 x 7/8”	7300 0408	7335 0508	13,280	25
5 x 1/8 x 7/8”	7300 0508	7335 0608	12,200	25
6 x 1/8 x 7/8”	7300 0608	7335 0708	10,200	25
7 x 1/8 x 7/8”	7300 0708	7335 0908	8,600	25
9 x 1/8 x 7/8”	7300 0908	7335 0408	6,600	25

AS30 INOX

Stainless | Metal | Aluminum | Non-Ferrous

This unique formula of this disc allows for contamination free cutting of stainless steel materials while also making it an excellent choice for an extremely wide range of other materials.

- Very quick cutting speed and an excellent service life on stainless materials
- Contamination free cutting of stainless steel materials
- Well suited for cutting a wide range of materials which include carbon steels, tool steels, rails, cast and non-ferrous metals, sheet steel, angular and tube steel
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

AS30 Alu SPECIAL

Aluminum | Non-Ferrous

The special composition of this disc prevents clogging when used to cut aluminum, aluminum alloys and non-ferrous metals. This ensures a very good service life and cutting speeds.

- Very good cutting speed and an excellent service life
- Will not clog or load up
- Specially engineered to cut aluminum, aluminum alloys, and non-ferrous metals

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS30 Inox	Vanguard Code AS30 Alu	Max. R.P.M. 80m/Second	Standard Packaging
4 x 3/32 x 5/8”	*		15,250	25
4 x 1/8 x 5/8”		*	15,250	25
4-1/2 x 3/32 x 7/8”	7330 0406		13,280	25
4-1/2 x 1/8 x 7/8”		7333 0408	13,280	25
5 x 3/32 x 7/8”	7330 0506		12,200	25
5 x 1/8 x 7/8”		7333 0508	12,200	25
6 x 3/32 x 7/8”	7330 0606		10,200	25
6 x 1/8 x 7/8”		7333 0608	10,200	25
7 x 3/32 x 7/8”	7330 07006		8,600	25
7 x 1/8 x 7/8”		7333 0708	8,600	25
9 x 3/32 x 7/8”	7330 0906		6,600	25
9 x 1/8 x 7/8”		7333 0908	6,600	25

AS46/30T INOX

Stainless | Metal | Aluminum | Non-Ferrous

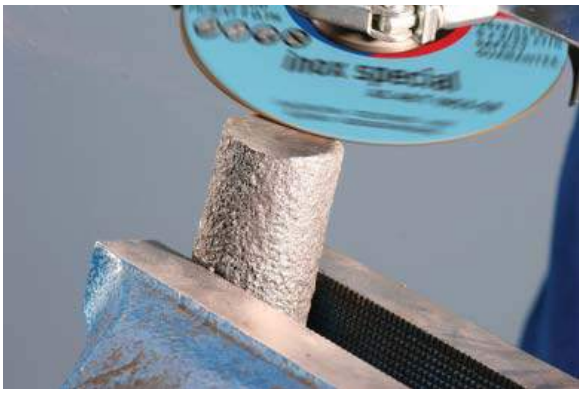
The AS46/30T Inox Extra Thin Cut + Grind disc allows the operator to cut at a comfortable speed then deburr, chamfer and grind immediately without changing the disc.

Eliminating disc change over and the need to stock multiple discs to perform these task saves both time and money.

- Cutting and light grinding with one disc
- Good cutting speed, grinding capacity and a very good service life
- Three layers of reinforcement guarantee operator safety when grinding
- Complies with the prescribed lateral load for grind discs of 290N
- Can be used when cutting both solid materials and profiles
- Very versatile disc can be used on carbon steel, tool steel, stainless steel, high tensile alloys and cast
- Limited suitability for aluminum, brass and bronze materials
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS46/30T Inox	Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x 3/32 x 7/8"	7384 0406	13,280	25
5 x 3/32 x 7/8"	7384 0506	12,200	25
6 x 1/8 x 7/8"	*	10,200	25
7 x 1/8 x 7/8"	*	8,600	25

* Available upon request, minimum order quantity may apply



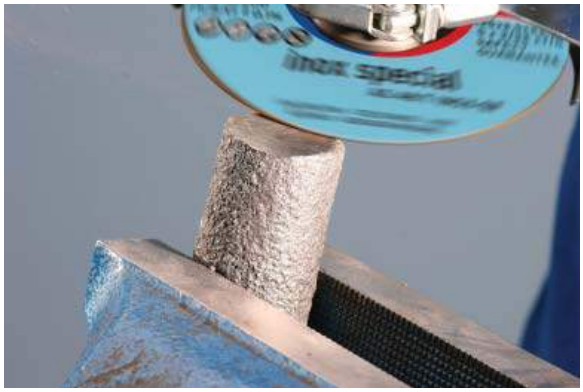
AS30S PIPELINE

Metal | Aluminum | Non-Ferrous

Triple reinforced to guarantee the maximum possible safety when grinding,notching and/or cutting. A proven performer on pipelines throughout the world.

- Very quick cutting times and an excellent service life
- Excellent stock removal and service life when grinding
- Available with thread 5/8-11NC hub
- Excellent choice for carbon steel, welding seams, cast and non-ferrous metals

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS30S Pipeline	Max. R.P.M. 80m/Second	Standard Packaging
6 x 5/32 x 7/8"	7300 1609	10,200	20
7 x 5/32 x 7/8"	7300 1709	8,600	25
7 x 5/32 x 7/8"	7301 1709	10,500	25
7 x 5/32 x 5/8-11 Hub	4301 17091	10,500	10



GRINDING DISC SUITABILITY CHART

●● Very Suitable

● Suitable

○ Limited Suitability

	Page Number	Unalloy Steel	Construction Steel	Tool Steel	High Alloy Steel	Angular Steel	Angular Stainless	Cast	Aluminum	Copper	Brass or Bronze
Grinding Discs for Metal											
AS30S		●●	●●	●●	○	●	○	●	●	●	●
A24 30P		●●	●	●	○	○	○	●	○	○	○
AS30R Gold		●●	●●	●●	●	●	●	●●	●	●	●
Grinding Discs for Stainless Steel											
AZ30R Evolution		●●	●	●	●●	●	●●	●●	●●	●	●
AS30 Inox Special		●	●	●	●●	●	●●	●	●	○	○
Grinding Discs for Aluminum and Non-Ferrous Metals											
AS46 Alu Special		○				○			●	●●	●●
Semi-Flexible Grinding Discs - Universal Applications											
AS36T X Evolution		●●	●●	●●	●●	●●	●●	●●	●●	●●	●●

AS30S

Metal | Aluminum | Non-Ferrous

These ranges of discs can be used to grind very aggressively at less than 15° reducing the amount of strain operator experience during the grinding. The unique shape also allows for greater/wider contact area during operation.

- Good stock removal rate and a long service life
- Medium – Hard bonding for heavy applications
- An excellent alternative to cup stones
- Very versatile disc can be used on a wide range of steels, tool steel, welding seams and cast

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS30S	Max. R.P.M. 80m/Second	Standard Packaging
7 x 1/4 x 7/8”	7381 0716	8,600	10
9 x 1/4 x 7/8”	7381 0900	6,600	10

A24 30P

Metal

Our number one selling disc is distinguished by its' excellent quality, long life and affordable price. Millions of these grinding discs have been used by in both industrial and do-it-yourself applications.

- Soft disc offering very quick stock removal
- Good service life and stock removal capacity
- Suitable for grinding welding seams, tool steels and steel materials
- Economical pricing

AS30R GOLD

Metal Aluminum Non-Ferrous

This "universal" range of discs offers excellent stock removal capacity and service life. It can be used on extremely wide range of materials problem free,including carbon steel, cast and non ferrous metals.

- Medium-hard bonding
- Very quick stock removal
- Excellent service life and very good stock removal capacity
- Very versatile disc can be used to grind carbon steels, tool steels, cast, aluminum, non-ferrous metals such as copper, brass and bronze

Dimensions (Diameter x Thickness x Bore)	Vanguard Code A24 30P	Vanguard Code AS30R Gold	Max. R.P.M. 80m/Second	Standard Packaging
4 x 1/4 x 5/8"	7305 0316	7335 0316	15,250	10
4-1/2 x 1/4 x 7/8"	7300 0416	7335 0416	13,280	10
5 x 1/4 x 7/8"	7300 0516	7335 0516	12,200	10
6 x 1/4 x 7/8"	7300 0616	7335 0616	10,200	10
7 x 1/4 x 7/8"	7300 0716	7335 0716	8,600	10
9 x 1/4 x 7/8"	7300 0916	7335 0916	6,600	10

AZ30S EVOLUTION

Stainless | Metal | Aluminum | Non-Ferrous

This special range of disc distinguishes itself by offering outstanding stock removal capacity, speed and service life.

Minimal effort is required making this disc easy on both the operator and the machine.

- Zirconium corundum, medium-hard disc
- Very quick stock removal and an excellent service life
- Extremely versatile disc can be used to grind carbon steels, tool steels, cast, stainless steel,aluminum and non-ferrous metals such as copper, brass and bronze
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

AS30S INOX SPECIAL

Stainless | Metal

The AS 30S Inox disc has been engineered to offer excellent stock removal capacity and service life on stainless steel applications.

It is also well suited for a wide range of other materials including both carbon steel and non-ferrous metals.

- Very quick stock removal and an excellent service life
- Medium-hard bonding make this disc ideal for heavy grinding operations on stainless steel surfaces
- Extremely versatile disc can be used to grind carbon steels, tool steels, cast,aluminum, copper, brass and bronze
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

Dimensions (Diameter x Thickness x Bore)	Vanguard Code		Max. R.P.M. 80m/Second	Standard Packaging
	AZ30S Evolution	AS30S Inox Special		
4 x 1/4 x 5/8”	*	7330 0316	15,250	10
4-1/2 x 1/4 x 7/8”	7331 0416	7330 0416	13,280	10
5 x 1/4 x 7/8”	7331 0516	7330 0516	12,200	10
6 x 1/4 x 7/8”	*	7330 0616	10,200	10
7 x 1/4 x 7/8”	7331 0716	7330 0716	8,600	10
9 x 1/4 x 7/8”	*	7330 0916	6,600	10

AS46 ALU SPECIAL

The AS46 Alu discs has been engineered to grind aluminum and other non-ferrous metals without clogging or loading up. The unique formula ensures very quick stock removal and an excellent service life.

- Very quick stock removal
- Excellent service life
- Will not clog or load up
- Ideal for use on aluminum, copper, brass, bronze and cast materials

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS46 Alu Special	Max. R.P.M. 80m/Second	Standard Packaging
4 x 1/4 x 5/8”	7333 0316	15,250	10
4-1/2 x 1/4 x 7/8”	7333 0416	13,280	10
5 x 1/4 x 7/8”	7333 0516	12,200	10
6 x 1/4 x 7/8”	7333 0616	10,200	10
7 x 1/4 x 7/8”	7333 0716	8,600	10
9 x 1/4 x 7/8”	7333 0916	6,600	10

AS36 TX EVOLUTION

Stainless | Metal | Aluminum | Non-Ferrous

This AS36 TX semi flexible grinding disc provides the extremely aggressive stock removal of a premium quality grinding disc, and the surface finish a flap disc.

This disc uses the latest technology in grinding with advanced ceramic aluminum oxide minerals. It is extremely light with (a thickness of either 3 or 4mm depending on the disc diameter) and very little force is required to get the maximum performance that this disc can offer

This versatile disc is designed for preparation or removal of welding seams,removal of spatter, descaling, heavy deburring, grinding and/or snagging.

- The use of 3M™ Cubitron ensures extremely high stock removal rates and service life
- The flexible structure of this light weight disc produced less noise, dust and vibration
- Minimal force required making this disc easier on both the operator and machine
- Increased operator comfort and reduced fatigue
- Produces a smoother surface finish (equivalent to a 36 grit finish)
- Extremely versatile disc well suited when grinding carbon steel, tool steel, stainless steel, high tensile alloys, cast and non-ferrous metals
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS36TX Evolution	Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x 1/8 x 7/8 *	7393 0408	13,280	10
5 x 1/8 x 7/8 *	7393 0508	12,200	10
7 x 5/32 x 7/8 *	7393 0710	8,600	10
Backing Pad for 4-1/2 & 5” Discs	7393 0004	N/A	1
Backing Pad for 7” Discs	7393 0007	N/A	1

* Mini backing must always be used, one supplied with each bundle

STATIONARY CUT OFF DISCS SUITABILITY CHART

●● Very Suitable
● Suitable
○ Limited Suitability

	Page Number	Unalloy Steel	Construction Steel	Tool Steel	High Alloy Steel	Angular Steel	Angular Stainless	Cast	Aluminum	Copper	Brass or Bronze
Stationary Cut Off Discs for Metal											
AS30S		●●	●	●	●●	○	●●	●	●	●	●
Stationary Cut Off Discs for Steel											
AS36T		●●	●●	●	○	●	○	●●	●	●	●
Stationary Cut Off Discs for Stainless Steel											
AS36 Inox Special		●●	●●	●	○	●	●●	●●	●	●	●

AS30S *(Minimum of 3Hp Motor)*

Metal
Aluminum
Non-Ferrous

The AS 30S discs offer very quick cutting times and a long service life, even when used to cut a wide variety of materials. It offers very good stability when cutting making it a very cost effective disc.
Excellent disc when cutting metal profiles, pipes or solid materials.

- Quick cutting speed and a very good service life
- Externally reinforced for greater stability and safety
- Well suited for cutting carbon steels, tool steels, high alloy specialty steels, cast and non-ferrous metals.

Dimensions (Diameter x Thickness x Bore)	Vanguard Code AS30S	Max. R.P.M. 80m/Second	Max. R.P.M. 100m/Second	Standard Packaging
12 x 1/8 x 1”	7360 1208	4,100	N/A	10
14 x 1/8 x 1”	7360 1408	4,400	N/A	10
16 x 5/32 x 1”	7360 1610	N/A	4,780	10
18 x 3/16 x 1”	7360 1812	N/A	4,250	5
20 x 3/16 x 1”	7360 2012	N/A	3,800	5

AS36T *(Maximum of 3Hp Motor)*

Metal | Aluminum | Non-Ferrous

This disc offers very quick cutting times and service life on a wide range of materials ranging from construction steels to aluminum, non-ferrous metals such as copper, brass and bronze.

- Quick cutting speed
- Very good service life
- Externally reinforced for greater stability and safety when cutting
- Well suited for cutting carbon steels, tool steels, rails, cast, aluminum, non ferrous metals, sheet steel, angular and tube steel

AS36 INOX SPECIAL *(Maximum of 3Hp Motor)*

Stainless | Metal | Aluminum | Non-Ferrous

This disc offers excellent cutting times and service life on a wide range of materials ranging from stainless steel to carbon steel materials.

Externally reinforced for greater stability and safety when cutting

- Very quick cutting speed
- Excellent service life
- Externally reinforced for greater stability and safety when cutting
- Versatile disc designed to provide contamination free cutting of stainless steel
- Also well suited when cutting carbon steel, tool steel, cast, aluminum and non-ferrous metals such as copper brass and bronze
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

Dimensions (Diameter x Thickness x Bore)	Vanguard Code		Max. R.P.M. 80m/Second	Standard Packaging
	AS36T	AS36 Inox Special		
12 x 7/64 x 1”	7380 1200	7372 1207	5,100	10 / 1000
14 x 7/64 x 1”	7380 1400	7372 1407	4,400	10 / 1000
16 x 1/8 x 1	7380 1600	*	3,800	10

PORTABLE POWER/GAS SAW DISC SUITABILITY CHART

●● Very Suitable
● Suitable
○ Limited Suitability

	Page Number	Unalloy Steel	Construction Steel	Tool Steel	High Alloy Steel	Angular Steel	Angular Stainless	Cast	Aluminum	Copper	Brass or Bronze
Portable Discs for Cutting Metal											
A24R		●●	●	●	○	●	○	●	●	●	●
AS30S		●●	●●	●●	○	●	○	●●	●	●	●

●● Very Suitable
● Suitable
○ Limited Suitability

	Page Number	Asphalt	Concrete / Exposed Aggregate	Porous Concrete	Granite	Sand-Lime Stone	Clinker Brick	Marble, Slate and Terrazzo	Tile	Brick	Ductile Pipe
Portable Discs for Cutting Concrete/Masonry Applications											
C24R		○	●	●	○	●	○	●	●	●	○
CS24R		○	●●	●	●	●	●●	●	●	●●	○
Portable Discs for Cutting Asphalt and Ductile Applications											
CS30 Special		●●	●	●●	○	●●	●	○	○	●	●●

A24R

Metal | Aluminum | Non-Ferrous

This disc offers quick cutting speed and a good service life at an economical price. The grit formula of this disc makes it well suited for cutting a wide range of materials such as steel, aluminum, copper, brass and bronze.

- Very quick cutting speed
- Good service life
- Externally reinforced for greater stability and safety
- Very good price/performance ratio
- Versatile disc well suited for cutting most metals found on construction sites

AS30S SPECIAL

Metal | Aluminum | Non-Ferrous

This disc offers very quick cutting speeds and an excellent service life, making it an extremely cost effective disc for cutting metals.

- Very quick cutting speed
- Excellent service life
- Externally reinforced for greater stability and safety
- Excellent price/performance ratio
- Versatile disc well suited for cutting most metals found on construction sites

Dimensions (Diameter x Thickness x Bore)	Vanguard Code		Max. R.P.M. 80m/Second	Max. R.P.M. 100m/Second	Standard Packaging
	A24R	AS30S Special			
12 x 1/8" x 20mm	7370 1207	7370 1208	5,100	N./A	10 / 1000
12 x 1/8 x 1"	7371 1207	7371 1208	5,100	N/A	10 / 1000
14 x 5/32" x 20mm	*	7370 1411	N/A	5,500	10 / 1000
14 x 5/32 x 1"	*	7371 1411	N/A	5,500	10 / 1000

* Available upon request, minimum order quantity may apply

C24R

Concrete/Masonry

This disc offers quick cutting speed and a good service life at an economical price. The grit formula of this disc makes it well suited for cutting most masonry/ concrete materials commonly found on construction sites, such as concrete, sand-lime stone, slate and brick.

- Quick cutting speed
- Good service life
- Externally reinforced for greater stability and safety
- Very good price/performance ratio
- Economically price

CS24R SPECIAL

Concrete/Masonry

This disc offers very quick cutting speeds and an excellent service life,making it an extremely cost effective disc when cutting masonry/concrete materials such as concrete, clinker brick, earthenware pipes, exposed aggregate concrete and brick.

This disc is also well suited when cutting ceramics, porcelain and marble.

- Very quick cutting speed
- Excellent service life
- Externally reinforced for greater stability and safety
- Excellent price/performance ratio
- Versatile disc well suited for cutting a wide range of concrete/masonry materials found on construction sites

Dimensions (Diameter x Thickness x Bore)	Vanguard Code		Max. R.P.M. 80m/Second	Max. R.P.M. 100m/Second	Standard Packaging
	C24R	CS24R Special			
12 x 5/32" x 20mm	7389 1209	7389 1210	5,100	N./A	10 / 1000
12 x 5/32 x 1"	7390 1209	7390 1210	5,100	N/A	10 / 1000
14 x 5/32" x 20mm	*	7389 1408	N/A	5,500	10 / 1000
14 x 5/32 x 1"	*	*	N/A	5,500	10 / 1000

* Available upon request, minimum order quantity may apply

CS30 SPECIAL

Asphalt

This disc offers very quick cutting speeds and an excellent service life, making it an extremely cost effective disc for cutting cement/cast ductile pipes, asphalt and construction site materials.

Externally reinforced for greater stability and safety.

- Very quick cutting speed
- Excellent service life
- Excellent price/performance ratio
- Versatile disc well suited for cutting asphalt, ductile pipes, porous concrete,masonry roof tiles, sand-lime stone and earthenware pipes
- Very good performance in asphalt with or without aggregate

Dimensions (Diameter x Thickness x Bore)	Vanguard Code CS30 Special	Max. R.P.M. 80m/Second	Max. R.P.M. 100m/Second	Standard Packaging
12 x 5/32” x 20mm	7386 1210	5,100	N/A	10
14 x 5/32” x 20mm	7386 1410	N/A	5,500	10

FLAP PRODUCTS SUITABILITY CHART

●● **Very Suitable**

● **Suitable**

O **Limited Suitability**

	Page Number	Unalloy and Alloyed Steels	Construction Steel	Tool Steel	High Alloy Steel	Sheet Steel	Stainless Steel	Welding Seams	Cast	Non-ferrous Metals	Wood	Plastic	Filling compounds
Zirconiated Flap Discs													
G-AZL		●●	●●	●●	●●	●●	●●	●	●●	●	●	●	●
G-AZ Gold		●●	●●	●●	●●	●●	●●	●	●●	●	●	●	●
G-AZA Gold		●●	●●	●●	●●	●●	●●	●	●●	●	●	●	●
Ceramic Flap Discs													
G-AK Gold		●●	●●	●●	●●	●●	●●	●	●●	●●	●	●	●
Combination Zirconium and Non-Woven													
GPS Dual (Grinding & Polishing)		●●	●●	●●	●●	●●	●●	●	●●	●●	●	●	●
Non-Woven Flap Discs													
Polishing Flap Discs		●	●	●	●	●	●●	●	O	●●	O	O	O
Flap Products													
Mini Flap Discs		●●	●●	●●	●●	●●	●●	●	●●	●	●	●	●
Shaft Mounted Flap Wheels		●	●	●	●	●	O	●	●	O			

FLAP DISC BENEFITS

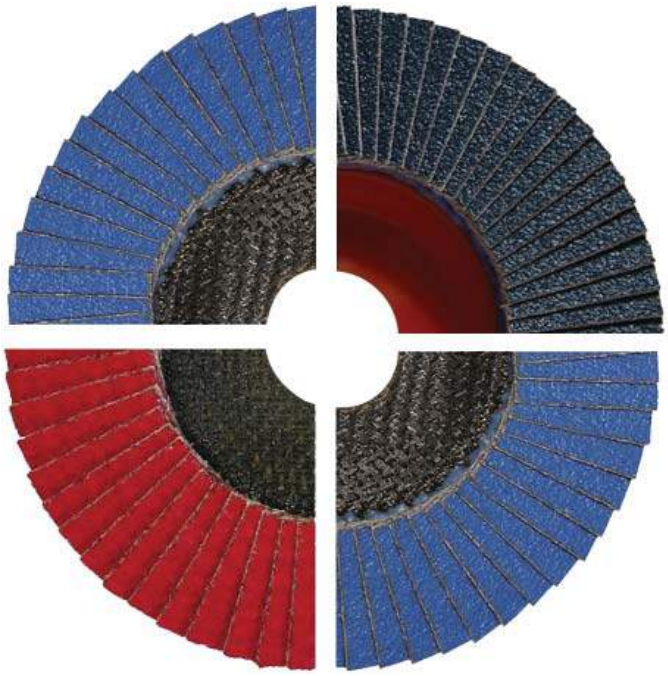
Superflex flap disc are a versatile grinding and finishing tool, they offer a long service life and stay sharp for 10-15 times longer than conventional fiber discs.

They provide cooler grinding and finishing in one-step, while generating very little noise.

Very little surface pressure is required making flap discs easyon both the operator and the equipment. They are easy to use and cost effective.

G-AZ Gold

- the abrasive grain is less hard but very tough
- outstanding grinding capacity and service life



G-AZA

- support of the abrasive Band contains cotton twill
- ideal for surface grinding
- very good grinding capacity
- outstanding service life
- no clogging up

G-AK (Ceramic)

- self-sharpening
- robust polyester backing
- extremely high stock removal for the entire life of the disc
- cool grinding on surfaces and edges
- superior service life

G- AZL

Same features as G-AZ

- longer lamellas make this the ideal disc for hard to reach areas

Stainless | Metal | Aluminum | Non-Ferrous

ZICONIATED G-AZL **with Long Lamellas**

The unique length of the lamellas (9mm longer than our standard flap discs) and the disc design makes this flap disc the ideal choice when working in hard to reach areas such as angles, corners notches, grooves, fillet welds and depressions.

The flexible rim of the flap disc adapts perfectly to these applications, while the strong polyester backing prevents early fray out.

- The abrasive grain is less hard but very tough
- Outstanding grinding capacity and service life
- Ideal for difficult to reach areas such as notches, grooves,fillet welds,corners and depressions
- Free of iron, sulphur and chlorine (Fe, S and Cl≤0.1%)

Dimensions (Diameter x Bore x Grit)	Vanguard Code	Max. R.P.M. 80m/Second	Standard Packaging
5 x 7/8' G-AZ40	7341 0405L	12,200	10
5 x 7/8' G-AZ60	7341 0605L	12,200	10
5 x 7/8' G-AZ80	7341 0805L	12,200	10

Additional grits available upon request, minimum order quantity may apply

ZIRCONIATED G-AZ GOLD

Stainless | Metal | Aluminum | Non-Ferrous

The abrasive grain is less hard but very tough, giving this disc very good all purpose characteristics. It is and excellent choice when deburring, machining welding seams and breaking edges.

The fibre glass backing is characterized by an even grinding finish up to the complete consumption of the abrasive grain. As a result, no scratches will appear on the work piece.

- Ideal for working on edges of both mild steel and stainless steel
- Outstanding grinding capacity and service life
- Excellent service life
- Free of iron, sulphur and chlorine (Fe, S and Cl≤0.1%)

Dimensions (Diameter x Bore x Grit)	Vanguard Code		Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x 7/8” AZ40	7345 0404	7341 0404	13,280	10
4-1/2 x 7/8” AZ60	7345 0604	7341 0604	13,280	10
4-1/2 x 7/8” AZ80	7345 0804	7341 0804	13,280	10
4-1/2 x 7/8” AZ100	7345 1004	7341 1004	13,280	10
4-1/2 x 7/8” AZ120	7345 1204	7341 1204	13,280	10
5 x 7/8” AZ40	7345 0405	7341 0405	12,200	10
5 x 7/8” AZ60	7345 0605	7341 0605	12,200	10
5 x 7/8” AZ80	7345 0805	7341 0805	12,200	10
5 x 7/8” AZ100	7345 1005	7341 1005	12,200	10
5 x 7/8” AZ120	7345 1205	7341 1205	12,200	10
7 x 7/8” AZ40	7345 0407	7341 0407	8,600	10
7 x 7/8” AZ60	7345 0607	7341 0607	8,600	10
7 x 7/8” AZ80	7345 0807	7341 0807	8,600	10
7 x 7/8” AZ100	7345 1007	7341 1007	8,600	10
7 x 7/8” AZ120	7345 1207	7341 1207	8,600	10

Additional grits available upon request, minimum order quantity may apply

Stainless | Metal | Aluminum | Non-Ferrous

ZIRCONIATED G-AZA GOLD
(with Trimmable Plastic Backing)

The AZA Gold flap discs contains premium quality zirconium corundum abrasive lamellas.

The trimmable plastic backing allows the operator to “shave” off the backing exposing the remaining flaps, maximizing the discs service life.

The plastic backing also offers excellent strength and durability.

- Support of the abrasive band contains cotton twill
- Ideal for surface grinding
- Very good grinding capacity
- Outstanding service life
- No clogging up
- Free of iron, sulphur and chlorine (Fe, S and Cl≤0.1%)

Dimensions (Diameter x Bore x Grit)	Vanguard Code	Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x 7/8” AZ40	7348 0404	13,280	10
4-1/2 x 7/8” AZ60	7348 0604	13,280	10
4-1/2 x 7/8” AZ80	7348 0804	13,280	10
5 x 7/8” AZ40	7348 0405	12,200	10
5 x 7/8” AZ60	7348 0605	12,200	10
5 x 7/8” AZ80	7348 0805	12,200	10

Additional grits available upon request, minimum order quantity may apply

CERAMIC G-AK GOLD

Stainless | Metal | Aluminum | Non-Ferrous

The G-AK flap disc uses innovative ceramic lamellas, that are self sharpening which guarantees extremely high stock removal throughout the full life of the disc.

This disc offer outstanding results when grinding on surfaces as well as edge grinding on carbon steel and stainless steel.
Due to the extremely high load capacity this disc is ideally suited for extreme grinding applications.

- Service life of up to 3 times most premium zirconiated flap discs
- Extremely high stock removal capacity
- Outstanding service life
- Self sharpening
- Cool grinding on surfaces and edges
- Free of iron, sulphur and chlorine (Fe, S and Cl≤0.1%)

Dimensions (Diameter x Bore x Grit)	Vanguard Code	Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x 7/8” AK40	7343 0404	13,280	10
4-1/2 x 7/8” AK60	7343 0604	13,280	10
4-1/2 x 7/8” AK80	7343 0804	13,280	10
5 x 7/8” AK40	7343 0405	12,200	10
5 x 7/8” AK60	7343 0605	12,200	10
5 x 7/8” AK80	7348 0805	12,200	10

* Tapered discs available upon request, minimum order quantity may apply

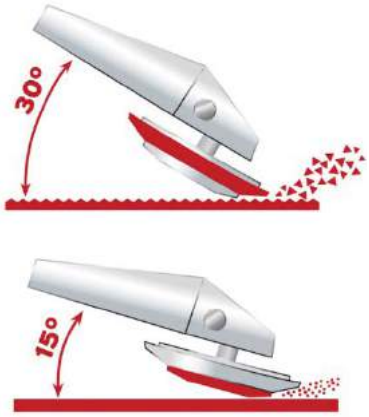
Stainless | Metal | Aluminum | Non-Ferrous

GPS DUAL FLAP DISCS

This GPS dual flap discs consist of a 5” outer flap disc and a 3-1/2” inner flap disc both having different grits or materials.

Both discs are mounted on a standard angle grinder. To change between the inner and outer discs you simply adjust the grinding angle, 30° when the operator needs to use the outer disc and 15° when the inner disc is required.

- Increased productivity as two tasks can be performed with one disc
- Designed to work on a standard angle grinder
- Combinations can be customized to meet each applications unique requirements
- Plastic backing offers excellent strength and durability
- Suitable for carbon steel, tool steel, stainless steel, welding seams, high tensile alloys, cast,aluminum and non-ferrous metals
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)



Description		Vanguard Code	Max. R.P.M. 80m/Second	Standard Packaging
5” Outer Disc	3-1/2” Inner Disc			
AZ40	AZ80	7341 7000	12,200	6 Sets
AZ80	Medium Non-Woven	7341 7001	12,200	6 Sets
Coarse Non-Woven	Fine Non-Woven	7341 7002	12,200	6 Sets

Additional combinations available upon request

NON-WOVEN POLISHING DISCS

Stainless | Metal | Aluminum | Non-Ferrous

Polishing flap discs consisting of an innovative,highly effective non-woven grinding fleece in a fan shaped flap structures which provide outstanding results when working with stainless steel, aluminum, aluminum alloys and non-ferrous metals.

Excellent for:

- The removal of rust, paint, thermal bluing
- Surface preparation and finishing of welding seams
- Deburring and Polishing
- Cleaning and/or polishing of unalloyed steel, high alloy steel, stainless steel, aluminum and non-ferrous metals
- Grinding edges and surfaces

Dimensions (Diameter x Bore)	Grit/Color	Vanguard Code	Max. R.P.M. 80m/Second	Standard Packaging
4-1/2 x 7/8”	Fine/Blue	7341 6004	13,280	10
4-1/2 x 7/8”	Medium/Maroon	7341 4004	13,280	10
4-1/2 x 7/8”	Coarse/Tan	7341 2004	13,280	10
5 x 7/8”	Fine/Blue	7341 6005	12,200	10
5 x 7/8”	Medium/Maroon	7341 4005	12,200	10
5 x 7/8”	Coarse/Tan	7341 2005	12,200	10
Counter Top Display Unit *		7341 2461		1

54 pcs per counter top display unit (9 pc of fine, medium and course grits in both 4-1/2 and 5” diameters)

ZIRCONIATED MINI FLAP DISCS

Stainless | Metal | Aluminum | Non-Ferrous

Flap disc technology with the convenience and versatility of quick change discs. They come standard with Type R (male plastic thread) for quick and easy mounting.

Their “mini” size makes them ideal when working in tight areas. The flap disc design offers extremely quick stock removal, outstanding service life and cool grinding.

Only premium quality zirconium lamellas are used making this product well suited on a wide range of materials.

- Ideal for working in tight areas
- Grinding and finishing with one product
- Quick change backing
- Suitable for carbon steel, tool steel, stainless steel, welding seams, high tensile alloys, cast, aluminum and non ferrous metals.
- Free of iron, sulphur and chlorine (Fe, S and Cl ≤ 0.1%)

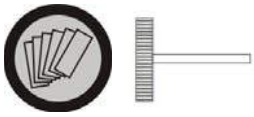
Dimensions (Diameter x Grit)	Vanguard Code	Maximum R.P.M.	Standard Packaging
2” x Z40	7422 5203 05	30,000	10
2” x Z60	7422 5205 05	30,000	10
2” x Z80	7422 5206 05	30,000	10
2” x Z100	7422 5207 05	30,000	10
2” x Z120	7422 5208 05	30,000	10
3” x Z40	7422 5303 05	20,000	10
3” x Z60	7422 5305 05	20,000	10
3” x Z80	7422 5306 05	20,000	10
3” x Z120	7422 5308 05	20,000	10

FLAP WHEELS *Shaft Mounted*

Metal

Superflex shaft mounted flap wheels are manufactured with premium aluminum oxide grain on an x-weight cotton backing. This gives Superflex flap wheels superior durability and greater flexibility, improving the finish and performance.

They are designed for blending and finishing applications. The shaft mount makes this product ideal when working in hard to reach areas where a larger abrasive will not fit.



Dimensions (Diameter x Width x Shaft)	Grit	Vanguard Code	Maximum R.P.M.	Standard Packaging
3/4 x 3/4 x 1/4"	A40	35,000	7395 10142	10
3/4 x 3/4 x 1/4"	A60	35,000	7395 10144	10
3/4 x 3/4 x 1/4"	A80	35,000	7395 10145	10
3/4 x 3/4 x 1/4"	A120	35,000	7395 10147	10
1 x 1 x 1/4”	A40	30,000	7395 10242	10
1 x 1 x 1/4”	A60	30,000	7395 10244	10
1 x 1 x 1/4”	A80	30,000	7395 10245	10
1 x 1 x 1/4”	A120	30,000	7395 10247	10
1-1/2 x 1 x 1/4”	A40	30,000	7395 10422	10
1-1/2 x 1 x 1/4”	A60	30,000	7395 10424	10
1-1/2 x 1 x 1/4”	A80	30,000	7395 10425	10
1-1/2 x 1 x 1/4”	A120	30,000	7395 10427	10
2 x 1 x 1/4”	A40	25,000	7395 10522	10
2 x 1 x 1/4”	A60	25,000	7395 10524	10
2 x 1 x 1/4”	A80	25,000	7395 10525	10
2 x 1 x 1/4”	A120	25,000	7395 10527	10
2 x 3/4 x 1/4"	A40	25,000	7395 10502	10
2 x 3/4 x 1/4"	A60	25,000	7395 10504	10
2 x 3/4 x 1/4"	A80	25,000	7395 10505	10
2 x 3/4 x 1/4"	A120	25,000	7395 10507	10
2 x 1 x 1/4"	A40	25,000	73951 0522	10
2 x 1 x 1/4"	A60	25,000	7395 10524	10
2 x 1 x 1/4"	A80	25,000	7395 10525	10
2 x 1 x 1/4"	A120	25,000	7395 10527	10

Additional sizes available upon request. Grit sizes available through A320
1/4”-20 Threaded shaft available upon request

SHAFT MOUNTED MINI ABRASIVE FLAP WHEELS

We offer some the smallest high quality mini flap wheels in the world. They are the ideal product for detailed finishing, hard to reach applications, tooling and die maintenance.

Mounted on a 1/8” shaft we can supply flap wheels ranging from 3/8 - 1-3/16” in diameter, and widths of 3/16 - 5/8”. With a grit range of 60 to 320.

UNMOUNTED ABRASIVE FLAP WHEELS

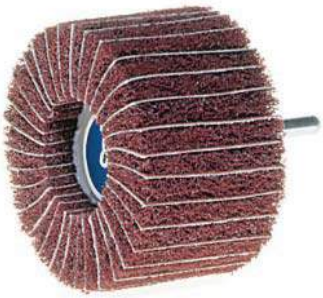
Manufactured with premium aluminum oxide grain on an x-weight cotton backing Superflex unmounted flap wheels offer outstanding flexibility and service life.

We can supply an extremely wide range of sizes (up to 16” diameter and 8” face width) and grit range (40 to 400grit). We also use up to 30% more flaps to guarantee unmatched stock removal and service life.

INTERLEAF FINISHING FLAP WHEELS

Mounted on a 1/4” shaft, interleaf flap wheels contain alternating abrasive cloth and non woven finishing materials. Ideal for applications that require stock removal while leaving a brush finish. Also an excellent product for deburring and finishing in one step.

Available in medium with 80 or 120 grit, in fine with 150 or 180 grit and very fine with 240 grit.



FLAP ROLLS

Flap rolls have a wide profile (up to 4”) making them the ideal product for finishing large surface areas. Their rotation provides a grained, or linear surface finish, as opposed to the swirl patter that is produced when using disc products.

This product can be suppled with abrasive rolls, flap rolls, interleaf or non woven. They are available with a key slot or a 5/8-11 threaded bore.

ALUMINUM OXIDE

Metal

Superflex aluminum oxide fibre/sanding discs are an excellent tool for the removal of rust, burr and coatings.

They are ideally suited for all grinding operations.

- Very high stock removal capacity
- Excellent service life
- No harmful additives, user friendly

Dimensions (Inches)	Grit	Vanguard Code	Standard Packaging
4 1/2 x 7/8	A24	7395 0244	25
4 1/2 x 7/8	A36	7395 0364	25
4 1/2 x 7/8	A40	7395 0404	25
4 1/2 x 7/8	A50	7395 0504	25
4 1/2 x 7/8	A60	7395 0604	25
4 1/2 x 7/8	A80	7395 0804	25
4 1/2 x 7/8	A100	73951004	25
4 1/2 x 7/8	A120	7395 1204	25
5 x 7/8	A24	7395 0245	25
5 x 7/8	A36	7395 0365	25
5 x 7/8	A40	7395 0405	25
5 x 7/8	A50	7395 0505	25
5 x 7/8	A60	7395 0605	25
5 x 7/8	A80	7395 0805	25
5 x 7/8	A100	7395 1005	25
7 x 7/8”	A24	7395 0247	25
7 x 7/8”	A36	7395 0367	25
7 x 7/8”	A60	7395 0607	25
7 x 7/8”	A80	7395 0807	25
7 x 7/8”	A100	7395 1007	25
7 x 7/8”	A120	7395 1207	25

Stainless | Metal | Aluminum | Non-Ferrous

PREMIUM ZIRCONIUM

Superflex zirconiated fibre discs have an extremely hard abrasive alloy that sharpens itself during use. Our unique formula delivers an outstanding cutting rates and an excellent service life on a wide range of materials.

The advanced bond extends the discs service life by minimizing grain shedding, while promoting a cool grinding action which reduces both glazing and loading.

- Very high stock removal capacity
- Excellent service life
- Advanced bonding formulation provides cool grinding

Dimensions (Inches)	Grit	Vanguard Code	Standard Packaging
4 1/2 x 7/8	Z36	7392 0364	25
4 1/2 x 7/8	Z60	7392 0604	25
4 1/2 x 7/8	Z80	7392 0804	25
4 1/2 x 7/8	Z100	7392 1004	25
4 1/2 x 7/8	Z120	7392 1204	25
5 x 7/8	Z36	7392 0365	25
5 x 7/8	Z50	7392 0505	25
5 x 7/8	Z60	7392 0605	25
5 x 7/8	Z80	7392 0805	25
5 x 7/8	Z100	7392 1005	25
5 x 7/8	Z120	7392 1205	25
7 x 7/8”	Z36	7392 0367	25
7 x 7/8”	Z50	7392 0507	25
7 x 7/8”	Z60	7392 0607	25
7 x 7/8”	Z80	7392 0807	25
7 x 7/8”	Z100	7392 1007	25
7 x 7/8”	Z120	7392 1207	25

SMD **(Soft Metal Discs)**

Are designed for use on softer metals such as aluminum, brass and bronze. These discs disperse their own lubrication as they grind, this delays heat build up on the metal work piece which increases the discs service life.

- Reduces disc waste and costly changeover times
- Low pressure is required for optimum performance

PMD **(Premium Metal Discs)**

Were developed specifically for use on stainless steel and other alloys. The provide a higher cut rate and cooler grinding temperatures. The exclusive formula of this disc uses heat treated blue fired ceramically coated aluminum oxide, ceramic grain and a custom blended grinding aid.

- Contains a synthetic wax
- Anti glazing, anti loading cool grinding product
- Engineered specifically for hard metals such as 300 series stainless steel, carbon steel, exotic alloys and titanium

CER **(Ceramic)**

Fibre discs are coated with SG ceramic grain, a proven winner on applications where heat is a problem. The grains remain sharp as they fracture as new cutting edges are continually exposed while grinding extending the discs service life and stock removal capacity.

- Maintain their sharpness longer, which minimizes metallurgical damage during metal removal
- Cut heat sensitive metals very quickly with a noticeable reduction in the work piece discoloration
- Offers unmatched service life on carbon steel

SILICON

Discs are designed for use on stone products such as terrazzo, ceramic and non-ferrous metal stock removal.

- Extremely quick cutting action on non-ferrous metals
- Clean bonding promotes a safer, healthier work environment

ALUMINUM OXIDE QUICK CHANGE MINI DISCS

Superflex mini fibre discs are manufactured using multi layer heavy duty vulcanized fibre backing. Coated with specially processed grit that has been engineered for toughness, sharpness and bond.

Superflex mini fibre discs are powerful, versatile, flexible, safe and extremely economical. They are available with either a Type N (metal female style thread) or a Type R (male plastic thread).

- Ideal for grinding, blending and deburring on a wide range of materials
- The tough fibre backing resists tearing

Dimensions (Diameter - Grit)	Vanguard Code		Maximum R.P.M.	Standard Packaging
	Type R	Type N		
1-1/2" - A24	74212 15205	74212 15210	30,000	50 / 100
1-1/2" - A36	74212 15305	74212 15310	30,000	50 / 100
1-1/2" - A50	74212 15405	74212 15410	30,000	50 / 100
1-1/2" - A60	74212 15505	74212 15510	30,000	50 / 100
1-1/2" - A80	74212 15605	74212 15610	30,000	50 / 100
1-1/2" - A100	74212 15705	74212 15710	30,000	50 / 100
1-1/2" - A120	74212 15805	74212 15810	30,000	50 / 100
2" - A24	74212 20205	74212 20210	30,000	50 / 100
2" - A36	74212 20305	74212 20310	30,000	50 / 100
2" - A50	74212 20405	74212 20410	30,000	50 / 100
2" - A60	74212 20505	74212 20510	30,000	50 / 100
2" - A80	74212 20605	74212 20610	30,000	50 / 100
2" - A100	74212 20705	74212 20710	30,000	50 / 100
2" - A120	74212 20805	74212 20810	30,000	50 / 100
3" - A24	74212 30205	74212 30210	20,000	50 / 100
3" - A36	74212 30305	74212 30310	20,000	50 / 100
3" - A50	74212 30405	74212 30410	20,000	50 / 100
3" - A60	74212 30505	74212 30510	20,000	50 / 100
3" - A80	74212 30605	74212 30610	20,000	50 / 100
3" - A100	74212 30705	74212 30710	20,000	50 / 100
3" - A120	74212 30805	74212 30810	20,000	50 / 100

Available in a wide range of materials, (Zirconiated, SMD and PMD)

SUPER PREMIUM QUICK CHANGE MINI DISCS

The Mini GrindR disc uses a Type R (plastic male plastic thread) design as it's base. The abrasive grain if fused directly onto the tough polymer backing. Not paper, not cloth, or even fibre, but plastic.

This one piece design prevents the risk of detaching. The polymer also promotes cool efficient grinding.

Available in 1-1/2 to 4" diameters with aluminum oxide, zirconia, SMD and PMD materials.

BACKING PRODUCTS

Rapid Change Holder

Backing Pads

Description	Vanguard Code	Standard Packaging
Rapid Change Holder 1-1/2" Type N	7570 0150 03	1 / 10
Rapid Change Holder 2" Type N	7470 0200 04	1 / 10
Rapid Change Holder 3" Type N	7470 0300 02	1 / 10
Rapid Change Holder 1-1/2" Type R	7470 0150 01	1 / 10
Rapid Change Holder 2" Type R	7470 0200 03	1 / 10
Rapid Change Holder 3" Type R	7470 0300 01	1 / 10
4 x 5/8-11 NC – Backing Pad	7395 0003	1
4-1/2 x 5/8-11 NC – Backing Pad	7395 0004	1
5x 5/8-11 NC - Backing Pad	7395 0005	1
6 x 5/8-11 NC - Backing Pad	7395 0006	1
7 x 5/8-11 C – Backing Pad	7395 0007	1

TRIM-KUT®

This is a revolutionary abrasive disc designed to grind and finish a wide variety of materials faster and cooler than any other abrasive disc available in the market.

The patented process of fusing premium abrasive grains to a durable polymer backing results in a highly versatile grinding tool that requires no backing pad. The polymer backing is trimmable allowing the operator to either renew the cutting surface or reduce the discs diameter.

- Ideal for grinding or sanding applications
- Available with a wide range of materials, aluminum oxide, silicon carbide, SMD and non-woven materials.

Description	Vanguard Code	Maximum R.P.M.	Standard Packaging
3" Aluminum Oxide A24 (White Print)	7424 1302 00	21,000	25 / 100
3" Aluminum Oxide A36 (Red Print)	7424 1303 00	21,000	25 / 100
3" Aluminum Oxide A60 (Orange Print)	7424 1305 00	21,000	25 / 100
3" Aluminum Oxide A120 (Green Print)	7424 1308 00	21,000	25 / 100
4-1/2" Aluminum Oxide A36 (Red Print)	7424 1452 00	13,000	25 / 100
4-1/2" Aluminum Oxide A60 (Orange Print)	74241 455 00	13,000	25 / 100
4-1/2" Aluminum Oxide A120 (Green Print)	7424 1458 00	13,000	25 / 100
5" Aluminum Oxide A24 (White Print)	7424 1502 00	13,000	25 / 100
5" Aluminum Oxide A36 (Red Print)	7424 1532 00	13,000	25 / 100
5" Aluminum Oxide A60 (Orange Print)	7424 1505 00	13,000	25 / 100
5" Aluminum Oxide A120 (Green Print)	7424 1508 00	13,000	25 / 100
Replacement Mandrel 1/4" Round	7490 0000 20	N/A	1 / 10
Replacement Mandrel 1/4' Hex - Premium	7424 1332 00	N/A	1 / 10

* Adaptors and nuts also available upon request. Minimum order quantity may apply

GENERAL INFORMATION

Non-Woven abrasive products are manufactured from synthetic fibers, bonded together with specially formulated resins and impregnated through the web with mineral grain creating an open, three dimensional structure.

These products are designed for a broad range of applications including light duty cleaning, polishing, scuffing, finishing and for heavier jobs such as paint, rust and corrosion removal.

The tough synthetic fibers will not rust, they can be used for dry scuffing and/or finishing. They can also be used with water and chemical solvents.

They are highly flexible making them well suited for hard to reach areas and they are strong enough for continuous use. Non-woven products are available in a variety of grades ranging from hand cleaning to high-speed machine use.

SCUFF DISCS

For use on sanders 5, 6 ad 8”

QUICK CHANGE SURFACE CONDITIONING DISCS

Type N, Type R and Quick Lock

NON-WOVEN PRODUCTS SUITABILITY CHART

Color Code:	Tan Heavy Duty	Green Industrial	Maroon General Purpose	Maroon Premium	Grey Ultra Fine	White Non-Abrasive
Applications						
Light Duty Cleaning						●
Primer Rub Down			●	●	●	
Over Spray Removal			●	●	●	
Scuff			●	●	●	
Final Prep			●	●	●	
Blending			●	●	●	
Heavy Duty Cleaning		●		●		
Fine Finish					●	
Coarse Finish	●					
Removal of Rust/Paint	●	●				
Standard Sizes *(Jumbo Rolls)*						
48” x 30 Yards	●					
80” x 50 Yards		●		●	●	
57” x 50 Yards						●
40” x 50 Yards		●	●	●	●	
Standard Sizes *(Hand Pads)*						
4 x 6”	●	●	●	●	●	●
6 x 9”	●	●	●	●	●	●
Standard Sizes *(Scuff Rolls)*						
4 x 30”	●	●		●	●	
6 x 30”	●	●		●	●	
5, 6 and 8”		●		●	●	

NON-WOVEN PRODUCTS

Product Benefits:

- Very flexible
- Non-loading
- Will not rust
- Easy to cut to desired size
- Long service life
- Solvent resistant
- Waterproof

Description	Vanguard Code	Standard Packaging
Hand Pads		
6 x 9" - Non Abrasive (White)	7402 3815	20
6 x 9" - Ultra Fine (Grey)	7402 3813	20
6 x 9" - Very Fine (Maroon)	7402 3812	20
6 x 9"- Industrial/Coarse (Green)	7402 3814	20
6 x 9" - Extra Coarse (Tan)	7402 3811	10
6 x 9" - Extra Coarse (Tan)	7402 3819	20
Scuff Rolls		
4" x 30 Ft - Ultra Fine (Grey)	7402 3815	1 / 5
4" x 30 Ft - Medium (Maroon)	7402 3813	1 / 5
4" x 30 Ft - Industrial/Coarse (Green)	7402 3812	1 / 5
4" x 30 Ft - Extra Coarse (Tan)	7402 3814	1 / 5
6" x 30 Ft - Ultra Fine (Grey)	7419 6D01	1 / 5
6" x 30 Ft - Medium (Maroon)	7478 6D01	1 / 5
6" x 30 Ft - Industrial/Coarse (Green)	7411 6D01	1 / 5
6" x 30 Ft - Extra Coarse (Tan)	7424 032	1 / 5

* Additional sizes available upon request, minimum quantity may apply