

# DISC TYPES & APPLICATIONS

We stock a comprehensive range of premium quality Cutting, Grinding and Extra Thin Discs available for every application.

## RANGE INFO

Abracs' signature product range, we offer one of the most comprehensive and highest quality abrasive disc ranges available on the UK market. We have an extensive range of Cutting, Grinding, Extra Thin and Specialist discs available for use on a wide range of applications. All Abracs discs are subject to our rigorous quality control procedures and are manufactured to European safety standards. We have classified the range into 3 star and 5 star quality levels & application types to make selecting the right product as easy as possible.



### ABRASIVE CUTTING DISCS

Our Cutting Discs offer consistent and smooth cutting, maximum product lifespan, performance and quality. Available in a comprehensive range of sizes for a wealth of applications including metal, stone, stainless steel and aluminium cutting supplied in both Proflex 3 star and Phoenix 5 star quality levels.



### ABRASIVE GRINDING DISCS

Our Grinding Discs offer heavy duty abrasive grinding, excellent performance and incredible product life. Available in a comprehensive range of sizes for a wealth of applications including metal, stone, stainless steel and aluminium grinding supplied in both Proflex 3 star and Phoenix 5 star quality levels.



### EXTRA THIN CUTTING DISCS

Our Extra Thin Cutting Discs are INOX discs designed for fast and precise low vibration cutting and are both high performance and long lasting. Suitable for a wealth of metal applications including stainless steel. Available in both Proflex 3 star and Phoenix 5 star quality levels.

## QUALITY LEVELS

Our abrasive discs range is split into 2 professional quality levels to make blade selection simple.

### PROFLEX ★★☆☆☆

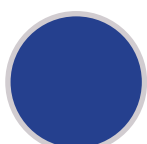
PROFLEX 3 STAR Cutting, Grinding and Extra Thin Discs are extended performance, professional quality products manufactured using high quality materials with an attractive price-performance ratio for the price conscious consumer.

### PHOENIX ★★★★★

PHOENIX 5 STAR Cutting, Grinding and Extra Thin Discs are ultimate performance, produced to O.S.A. Safety standards & manufactured using premium quality materials, giving long life and excellent value, offering one of the best cost per cut ratios in the market.

## APPLICATION GUIDE

Our range is separated into discs for Metal, Stone, Inox and Aluminium. Applications are highlighted with a category colour.



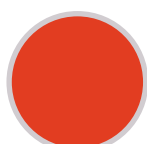
#### METAL

Metal cutting discs are suitable for a wide range of metal applications including mild steel, iron, sheet steel & construction steel.



#### STONE

Stone cutting discs are suitable for a wide range of stone applications including natural stone, concrete, bricks & tiles.



#### INOX

INOX cutting discs are specially designed for use on stainless steel as well as a wide range of non-ferrous metals.

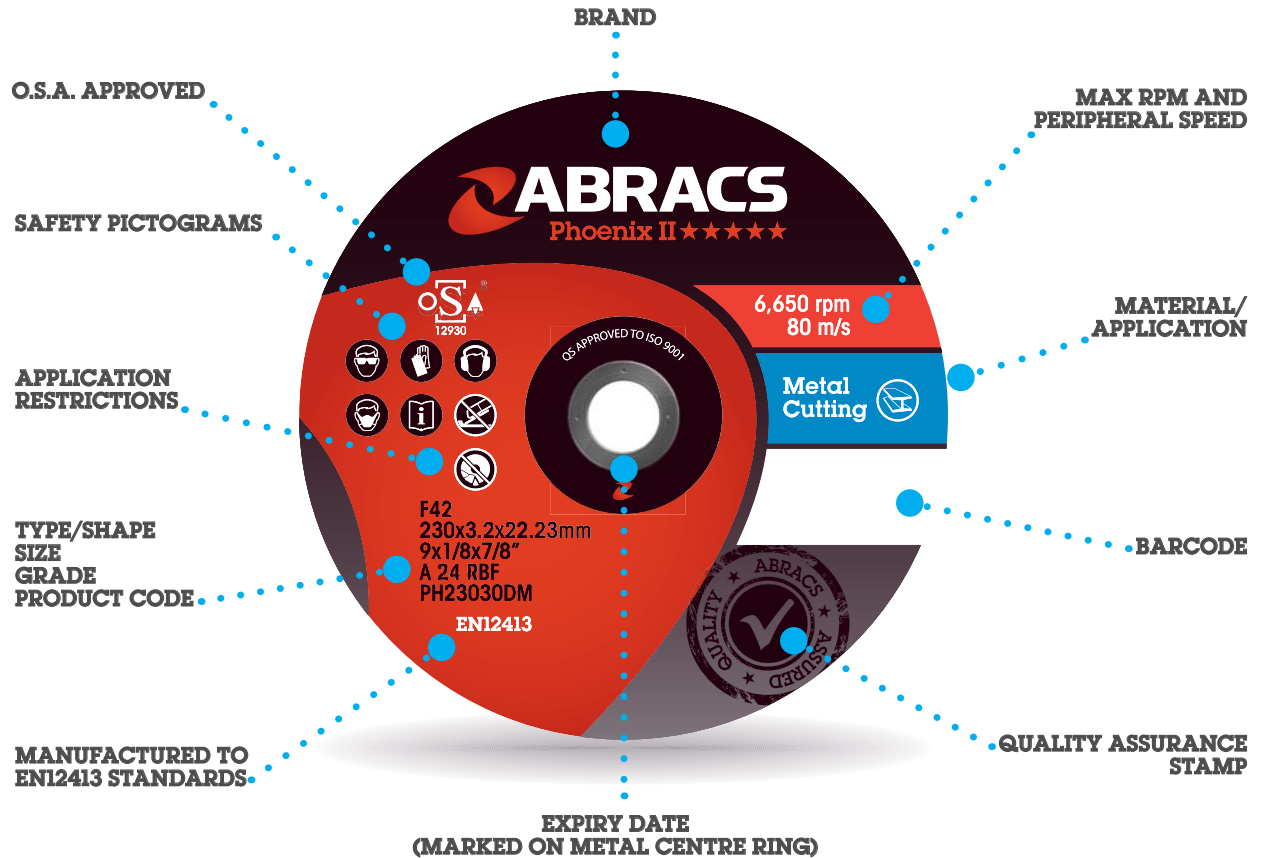


#### ALUMINIUM

Aluminium cutting discs are specially designed for use on Aluminium as well as a wide range of non-ferrous metals.

# ABRASIVE DISCS MARKING SYSTEM

Training and additional information on the safe use and fitting of abrasive wheels is available from Abracs.



## GRADE EXPLANATION

**INDICATES THE ABRASIVE GRAIN**  
 A = Aluminium Oxide for metal  
 C = Silicon Carbide for stone

**INDICATES THE HARDNESS OF THE DISC**

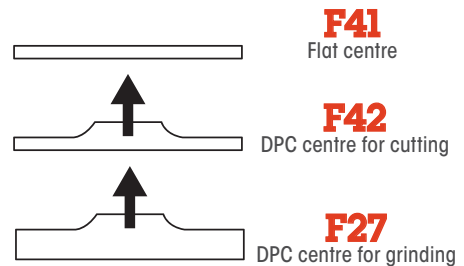
**A 30 S BF**

**INDICATES THE GRIT SIZE**  
 The higher the number, the finer the grade

**INDICATES THE NATURE OF THE BOND**  
 'BF' stands for reinforced bond

## SHAPE EXPLANATION

Abrasive discs are available in several different types, the most commonly used are shown below.



## THE SAFE USE OF ABRASIVE CUTTING & GRINDING DISCS

It is very important to always comply with all safety and accident prevention regulations when using abrasive cutting and grinding discs.

All Abracs blades are marked with the appropriate safety information pictograms.



Always observe ALL safety instructions



Always wear ear protection



Always wear a dust mask



Always wear safety goggles or glasses



Always wear safety gloves

MAXIMUM OPERATING SPEEDS ARE MARKED CLEARLY ON ALL ABRACS DISCS AND SHOULD NEVER BE EXCEEDED.



## CUTTING DISCS PHOENIX SILVER★★★★★

Phoenix Silver is a European manufactured disc range free from Iron, Sulphur and Chlorine. Similar to our Extra Thin Cutting Discs range the Phoenix Silver range of cutting and grinding discs is designed specifically for use on stainless steel as these specialist discs do not leave residue or contamination. Produced to O.S.A. Safety standards and marked with EN12413.



These specialist discs are popular for use within the food, nuclear and petrochemical industries.



Call the Abracs team for information on how you can target new customers and industries with our specialist disc range.

**INOX**

FOR USE ON

STAINLESS STEEL

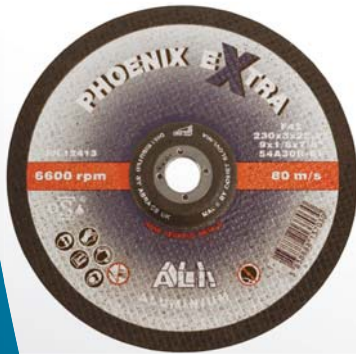
SHEET METAL

MILD STEEL

HIGH GRADE STEEL

Specification	Grade	Max RPM	Box Qty	Outer Qty	Product Code	List Price
100mm x 3.0mm x 16mm DPC INOX Cutting Disc PHOENIX SILVER	20A24P4BF	15,200	25	-	PHS10030DI	£1.51
100mm x 6.5mm x 16mm DPC INOX Grinding Disc PHOENIX SILVER	20A24P4BF	15,200	25	-	PHS10060DI	£1.87
115mm x 3.0mm x 22mm DPC INOX Cutting Disc PHOENIX SILVER	20A24P4BF	13,200	25	-	PHS11530DI	£1.63
115mm x 6.5mm x 22mm DPC INOX Grinding Disc PHOENIX SILVER	20A24P4BF	13,200	25	-	PHS11560DI	£2.05
125mm x 3.0mm x 22mm DPC INOX Cutting Disc PHOENIX SILVER	20A24P4BF	12,200	25	-	PHS12530DI	£1.75
125mm x 6.5mm x 22mm DPC INOX Grinding Disc PHOENIX SILVER	20A24P4BF	12,200	25	-	PHS12560DI	£2.40
178mm x 3.0mm x 22mm DPC INOX Cutting Disc PHOENIX SILVER	20A24P4BF	8,600	25	-	PHS17830DI	£2.35
178mm x 6.8mm x 22mm DPC INOX Grinding Disc PHOENIX SILVER	20A24P4BF	8,600	25	-	PHS17860DI	£3.32
230mm x 3.0mm x 22mm DPC INOX Cutting Disc PHOENIX SILVER	20A24P4BF	6,600	25	-	PHS23030DI	£2.96
230mm x 6.8mm x 22mm DPC INOX Grinding Disc PHOENIX SILVER	20A24P4BF	6,600	25	-	PHS23060DI	£5.13
350mm x 2.8mm x 25mm Flat INOX Cutting Disc PHOENIX SILVER	20A24P4BF	4,000	25	-	PHS3502825FI	£8.74

FOR REFERENCE ONLY – PRICE MAY NOT REFLECT CURRENT PRICING



## CUTTING DISCS PHOENIX ALI★★★★★

Phoenix Ali are expert quality, heavy duty specialist Cutting and Grinding Discs designed specifically for use on aluminium and other non-ferrous materials. The composition of this specialist disc is designed so it is highly resistant to clogging and will protect against overheating the material. Made to O.S.A. Safety standards and marked with EN12413.



Cutting aluminium with abrasive discs that are not specifically designed for aluminium can be dangerous. Make sure you are always using the right disc for the cutting application.

FOR USE ON

ALUMINIUM

MILD STEEL

COPPER

NON-FERROUS METALS

Specification	Grade	Max RPM	Box Qty	Outer Qty	Product Code	List Price
100mm x 3.0mm x 16mm DPC Aluminium Cutting Disc PHOENIX ALI	54A30RBF	15,200	25	-	PHA10030DA	£1.54
100mm x 7.0mm x 16mm DPC Aluminium Grinding Disc PHOENIX ALI	54A30RBF	15,200	25	-	PHA10070DA	£2.30
115mm x 1.0mm x 22mm Flat Aluminium Extra Thin Cutting Disc PHOENIX ALI	54A30RBF	13,200	25	-	PHA11510FA	£1.87
115mm x 3.0mm x 22mm DPC Aluminium Cutting Disc PHOENIX ALI	54A30RBF	13,200	25	-	PHA11530DA	£1.56
115mm x 7.0mm x 22mm DPC Aluminium Grinding Disc PHOENIX ALI	54A30RBF	13,200	25	-	PHA11570DA	£2.67
125mm x 3.0mm x 22mm DPC Aluminium Cutting Disc PHOENIX ALI	54A30RBF	12,200	25	-	PHA12530DA	£1.63
125mm x 7.0mm x 22mm DPC Aluminium Grinding Disc PHOENIX ALI	54A30RBF	12,200	25	-	PHA12570DA	£3.51
178mm x 3.0mm x 22mm DPC Aluminium Cutting Disc PHOENIX ALI	54A30RBF	8,600	25	-	PHA17830DA	£2.35
178mm x 7.0mm x 22mm DPC Aluminium Grinding Disc PHOENIX ALI	54A30RBF	8,600	25	-	PHA17870DA	£4.76
230mm x 3.0mm x 22mm DPC Aluminium Cutting Disc PHOENIX ALI	54A30RBF	6,600	25	-	PHA23030DA	£3.76
230mm x 7.0mm x 22mm DPC Aluminium Grinding Disc PHOENIX ALI	54A30RBF	6,600	25	-	PHA23070DA	£7.88