# Catalogue 2008 Dupro GRINDING & CUT-OFF WHEELS



DuPro Tools, a company with a focus on power tool accessories and abrasives, developed its OEM business successfully during the last 12 years by working with well known companies across the globe.

Our young and dynamic team always listens to our customers needs with interest, ready to provide satisfying solutions.

Insisting on QUALITY and SERVICE makes DuPro Tools a reliable onestop supplier for all your cutting needs.



DuPro, the name coming from the spirit of the company, does everything professionally. All the knowledge and experience of our team is at your disposal. We are ready to be near our partners to insure the delivery of the right products, to the right market at the right time.





ADD: 1234 West Winton Ave. Hayward, Ca 94545

TEL: +1 360.518.4007

FAX: +1 360.414.3249

E-mail: johntai@duprousa.com

akurtti@duprousa.com



We are proud to present our team to you. When you are working with DuPro, you are not only working with our sales representatives, you are working with our entire team and you have all our support.

### REARCH AND DEVELOPMENT

Continuous research and comprehensive studies by our engineering team enables us to follow the most up to date technology to improve the quality of our products and develop our knowledge day by day.

Our team is always enthusiastic to develop new technology to provide new solutions to meet the requirement of our partners and satisfy our customers.

Thanks for contacting us! Your comments are appreciated. We are ready to work with you on your interesting ideas.



Contact: info@DuProUSA.com

### SALES

What is Win-Win? Our understanding is, our partners have to win first, only then can we win.

Our well trained sales team is available anytime with comprehensive knowledge of tools and commercial applications.

Contact: sales@DuProUSA.com



### QUALITY CONTROL

All of the facts we've found in our examination of the process from raw materials to our performance testing, have become a real asset to the company. We test so ridgidly to guarantee the safety and high productivity of our products. If you are unsatisfied with the performance of your DuPro tools or you discover any defects, please report them to us immediately.

Contact: QA@DuProUSA.com





### **MARKETING**

Easily recognizable images and clear information help our users to choose the right tools with little difficulties. Innovative packing and a wide variety of products provide a pleasant buying experience. While high standards and quality provide a safe experience.

Our years of experience have been essential in keeping us creative! Let us know what you like and don't about or products, your opinion is invaluable!



Contact: Marketing@DuProUSA.com

### **LOGISTICS**

Delivery logistics is simplified by using LOPAQS. Our export DC center is based on the concept of one stop solution for our customers.

We provide logistics, packing, quality control and inventory management.

Let's find the best way to build a seamless pipeline from our manufacturing to your distribution.



Contact: Lopaqs@DuProUSA.com

### **MANUFACTURING**

Up to date technology, automatic equipment, well trained technicians, and ISO9000 certified management quaranteed.

We can provide the most cost effective products.
We are dedicated to improving our production from all aspects. Any suggestions, please

Contact: blades@DuProUSA.com





### **FINANCE**

Our job is to work with our suppliers and customers to create the most efficient financial arrangement for you. We are open to discuss any suggestions to improve the cooperation with our suppliers and customers.

Contact: Finance@DuProUSA.com



### **CUSTOMER SERVICE**

We keep in close contact with our customers to insure satisfaction all around.

Contact: export@DuProUSA.com

















BRIEF INTRODUCTION	1
HOW TO CHOOSE DUPRO WHEELS	6
RECOMMENDATION OF CUT-OFF WHEELS	7
CUT-OFF WHEELS	9
RECOMMENDATION OF GRINDING WHEELS	17
GRINDING WHEELS	18



# WHY DUPRO DISCS

### Safety

All blades are manufactured strictly to EN13236 and approved by MPA.

A high safety level not only gives you the highest protection but also enables you to work more aggressively and increases efficiency.

In general, you can have more confidence with your DuPro tools.

### **Efficiency**

Time is money. Effort is cost. Based on this simple concept, all DuPro blades are designed and manufactured to the highest quality for fast and easy cutting.



### **Life and Cost**

Fast is not enough. The durability of our blades drive the cost per cut to be the most cost effective, as well as saving time for blade changes.

### **Best Performance**

There may be different explanations of performance for so many different blades, but the fact is simple:

Abrasives	Brittle	Medium	Tough
Bond	Soft	Medium	Hard
Machine power	Low	Medium	High
Performance	Best	Best	Best

### **Best solution**

DuPro range of blades will provide the best solution for you after comprehensive testing and comparisons. We guarantee the best performance when using the proper blades for the suggested purposes and suggested machines.

### **Stability**

The strict selection of raw materials and manufacturing standards enables us to maintain consistent high quality production for all of our manufactured goods.

**HOW TO CHOOSE DUPRO WHEELS** 

# DuPro wheels are developed for a whole



# range of materials, eg.

- Constructional steels
- Inox
- High quality steel
- Aluminum
- Concrete
- Stone
- Asphalt

# for all masonry applications such as:

- Steel construction
- Installation work
- Automobile and body plants
- Roofers
- Tilers
- Building contractors
- Construction companies
- Ambitious D.I.Y. professionals.



DuPro tools have provided a simple color coding system to help customers in their selection of the right discs.

Metal

Blue: applications on ferrous and non-ferrous metals, steel, iron, welds, aluminum, brass, bronze etc.

Inox

Red: for stainless steel or other high tensile steels

Stone

Green: for application such as concrete, stone, bricks, masonry, asphalt.

Black background

Regular thickness for aggressive cutting of structural or bigger materials

**Grey background** 

Thin wheels for fine cutting of smaller or thinner materials.

### **RECOMMENDATION OF CUT-OFF WHEELS**

	Specif	ication				s	teel						Inox		М	asonry	Rei	infor	ced
Machine	Range	Size	Sma	all or	r Thin	Me	dium	Big	or Thick	Sma	ll or T	hin	Medium	Big or Thick	(Stone,	Bricks, Concrete)	(Conc	rete, Ca	
		4-1/2"	•	•	•		•								•	• •			
	2500	5"	•	•	•		•								•	• •			
	2300	7"		•		•	• •								•	• •			
		9"		•		•	• •	C	•						•	• •			
		4-1/2"	•	•	•														
Angle	2000	5"	•	•	•														
Grinder	2000	7"	•	•	•	•	•												
		9"	•	•	•	•	•												
	1600	4-1/2"	•	•	•					•	•	•							
		5"	•	•	•					•	•	•							
		7"	•	•	•		•			•	•	•	•						
		9"	•	•	•		•			•	•	•	• •						
Ch		12"	•	•	•	•	•					_							
Chop saw (2.2-3KW)	2800	14"	•	•	•	•	•					_							
		16"	•	•	•	•	•												
Stationary		12"				•		•	• •										
Machines (3-5KW)	4000	14"				•		•	• •										
		16"				•		•	• •										
Gassaw		12"		•		•		•	• •						•	• •	•	•	•
Gas saw (4-7KW)	4800	14"		•		•		•	• •						•	• •	•	•	•
		16"		•		•	•	•	• •						•	• •	•	•	•

 $\circ$   $\circ$  BEST PERFORMANCE------Fast and smooth cutting, long life.

O O GOOD PERFORMANCE----Cutting speed will be lower.

O ACCEPTABLE PERFORMANCE---Cutting speed will be lower and the life will be shorter.

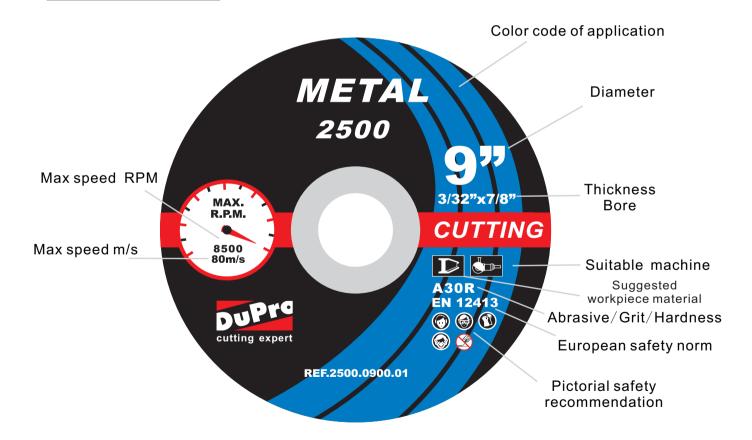


### **POWER OUTPUT OF ANGLE GRINDER**

Agngle grinder	Machine type	4"	4-1/2"	5"	7"	9"
High power	Air powered	-	<800w	<1000w	<1900w	<2200w
	Electric-speed controlled	-	<1400w	<1500w	<2500w	<2800w
	Electric	<700w	<1000w	<1200w	<2200w	<2500w
	Air powered	<400w	<600w	<800w	<1500w	<1800w
Low power	Electric	<500w	<1000w	<1200w	<1800w	<2000w

Please use this catalogue or visit our website www.DuProUSA.com to download the catalogue in PDF. This will help you to choose the most suitable wheels for your applications.

### **INDICATIONS**



Please read the indicators on the wheel carefully prior to purchase; The indicators will provide the user with all necessary information about the wheels and the suggested applications.





Most popular cut-off wheels for comprehensive jobs on site. Ideal for construction work on structural materials, angle bars, steel pipe and steel supports.

Abrasives	Aluminum Oxide
Bond	R
Reinforce	Double fiber net
Safety	EN12413
Max speed	80m/s
Thickness	3/32"
Workpiece Material	Structural Steels
Feature	High stock removal/Fast cutting



### Recommendation for use:

4"/4.5"/5"for cutting small and thin materials. For example, material small than angle bar 5/6"x5/6"x3/25" 7"/9" for cutting medium to large size materials, For example, IPN 1/3"x5/8"x4/25"

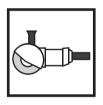
Thanks to improved technology of thinner and stronger reinforced fiber net, We are able to reduce the thickness of each wheel up to 1/10", with stronger build and a higher level of safety.

The 1/10" thickness proved to have the best cutting efficiency with less effort.

### Cautions:

Don't use 9" to cut small materials, this will reduces the durability of the disc.
Best performance for angle grinder with power > 2000W.







D	т	В	Designation	Part number	Qty. per box	Qty. per ctn.
4"	3/32"	5/8"	A46R	2500.0400.01	25	200
4-1/2"	3/32"	7/8"	A46R	2500.0412.01	25	200
5"	3/32"	7/8"	A46R	2500.0500.01	25	200
7"	3/32"	7/8"	A30R	2500.0700.01	25	100
9"	3/32"	7/8"	A30R	2500.0900.01	25	100



# METAL

Developed to meet the strict requirements of accurate cutting with burn free finish.

Good for small size solid materials, metal sheets, wire ropes and thin profiles.

Abrasives	Aluminum Oxide
Bond	Т
Reinforce	Double fiber net
Safety	EN12413
Max speed	80m/s
Thickness	.047"078"
Workpiece Material	Alloyed steels/H.S.S./Low grade inox
Feature	Smooth cutting with long life



### Recommendation for use:

4"/4.5"/5" for cutting small and thin materials. 7"/9"for cutting small to medium size materials. High power angle grinders required, for 4">800w, 4-1/2">1000w, 5">1800w, 7"/9">2000w.

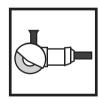
### Cautions:

Not recommended for cutting high grade inox and bigger materials, for example angle bar 50x50x5mm. Slow cutting may burn the material.

Great cutting experience for thin and flexible materials; thin wall pipe and profiles where you need to cut quickly without deformation.

Fast, clean, smooth, no burn cutting deliver a fine finish.







D	т	В	Designation	Part number	Qty. per box	Qty. per ctn.
4"	.047"	5/8"	A46T	2000.0400.01	50	200
4-1/2"	.047"	7/8"	A46T	2000.0412.01	50	200
5"	.047"	7/8"	A46T	2000.0500.01	50	200
7"	.071"	7/8"	A30T	2000.0700.01	25	100
9"	.078"	7/8"	A30T	2000.0900.01	25	100





Developed to meet the strict requirement of accurate cutting with burn free finish of stainless steel.

Medium hard multipurpose wheel to reduce heat build-up. Suitable for use with angle grinder of all output levels.

Abrasives	Aluminum Oxide/Zirconium
Bond	R
Reinforce	Double fiber net
Safety	EN12413
Max speed	80m/s
Thickness	.047"078"
Workpiece Material	Stainless steel
Feature	Smooth cutting with long life



### Recommendation for use:

4"/4.5"/5" for cutting small and thin materials. 7"/9"for cutting small to medium size materials.

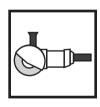
Nice cutting experience for thin and flexible materials like thin wall pipe and profiles where you need to cut quickly without deformation.

Fast, clean, smooth, no burn, cutting delivers a fine finish.

### Cautions:

Not recommended for larger materials, for example Solid bar more than 1". Slow cutting may burn the material.







D	т	В	Designation	Part number	Qty. per box	Qty. per ctn.
4"	.047"	5/8"	ZA46R	1600.0400.01	50	200
4-1/2"	.047"	7/8"	ZA46R	1600.0412.01	50	200
5"	.047"	7/8"	ZA46R	1600.0500.01	50	200
7"	.071"	7/8"	ZA30R	1600.0700.01	25	100
9"	.078"	7/8"	ZA30R	1600.0900.01	25	100



# STONE

Most popular cut-off wheels for comprehensive jobs on site. Ideal for construction work, good for any natural and artificial stone, concrete and refractory bricks.

Abrasives	Silicon Carbide
Bond	R
Reinforce	Double fiber net
Safety	EN12413
Max speed	80m/s
Thickness	3/32"
Workpiece Material	Masonry
Feature	High stock removal/Fast cutting



### Recommendation for use:

4"/4.5"/5" for cutting small and thin materials, for example, Floor tiles.7"/9" for cutting medium to large size materials, concrete block for example.

### Cautions:

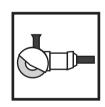
When you use 9" to cut small materials, the life may be shorter. Best performance for angle grinder with power >2000W.

Thanks to improved technology of thinner and stronger reinforced fiber net.

We reached our goal to reduce the thickness of wheels to 1/10" with stronger build and a higher level of safety.

The 1/10" thickness proved to have the best cutting efficiency with the least effort. It is so sharp you'll enjoy cutting with it.







D	т	В	Designation	Part number	Qty. per box	Qty. per ctn.
4"	3/32"	5/8"	C46R	C2500.0400.01	25	200
4-1/2"	3/32"	7/8"	C46R	C2500.0412.01	25	200
5"	3/32"	7/8"	C46R	C2500.0500.01	25	200
7"	3/32"	7/8"	C30R	C2500.0700.01	25	100
9"	3/32"	7/8"	C30R	C2500.0900.01	25	100

**METAL 2800** 





Most popular cut-off wheels for comprehensive jobs on site used by Chop saw.

Medium soft bond ideal for general purpose cool cutting on thin materials.

Abrasives	Aluminum Oxide
Bond	Р
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s
Thickness	7/64"
Workpiece Material	Structural Steels
Feature	High stock removal/Fast cutting



### Recommendation for use:

Excellent for use on angle bar, thin rebar, light gauge metals. Don't use for heavy and big materials, Also good for non-ferrous metals.

### Cautions:

for example, IPN 80X40X4. Slow cutting may burn the materials.

### Thanks to improved technology of thinner and stronger reinforced Fiber net, cutting is easy and efficient.









D	т	В	Designation	Part number	Qty. per shrink	Qty. per ctn.
12"	7/64"	1"	A24P	2800.1200.01	5	25
14"	7/64"	1"	A24P	2800.1400.01	5	25
16"	7/64"	1"	A24P	2800.1600.01	5	25





Wide used cutting wheels for stationary machines with the power between 3kw-5kw.

Soft bond special for general purpose cool cutting on large materials.

Abrasives	Aluminum Oxide
Bond	N
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s
Thickness	1/8"-5/32"
Workpiece Material	Solid steels/low grade stainless steel
Feature	High stock removal/Fast cutting



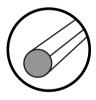
### Recommendation for use:

Excellent for use on large solid or structural steels. Good for low grade lnox as well.

### Cautions:

Don't use for cutting small materials such as angle bars, durability will be reduced compared with 2800 range.

Thanks to the efforts of our research team, cutting big materials is easy.









D	т	В	Designation	Part number	Qty. per shrink	Qty. per ctn.
12"	1/8"	1"	A24N	4000.1200.01	5	25
14"	1/7"	1"	A24N	4000.1400.01	5	25
16"	5/32"	1"	A24N	4000.1600.01	5	25





Heavy duty wheels manufactured for Portable Gas Saw. Strong body makes it sustain challenging jobs.

Abrasives	Aluminum Oxide
Bond	R
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s-100m/s
Thickness	5/32"-3/16"
Workpiece Materia	l Alloyed steels/H.S.S./Low grade inox
Feature	General purpose/long life



### Recommendation for use:

Excellent for use on large solid or structural steels. Good for any constructional steels.

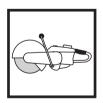
### Cautions:

The 12" are supplied in two max, operating speeds 80m/s and 100m/s. Please check the speed of your machine before working.











D	т	В	Designation	Max R.P.M	Part number	Qty. per shrink	Qty. per ctn.
12"	5/32"	1"	A24R	5100	4800.1200.01	5	25
12"	5/32"	1"	A24R	6300	4800.1200.02	5	25
14"	3/16"	1"	A24R	4350	4800.1400.01	5	25
14"	3/16"	1"	A24R	5450	4800.1400.02	5	25
16"	3/16"	1"	A24R	3800	4800.1600.01	5	25
16"	3/16"	1"	A24R	4750	4800.1600.02	5	25



# STONE

Heavy duty wheels manufactured for Portable Gas Saw. Strong body makes it sustain challenging works. Un-beatable tool for construction and rescue.

Abrasives	Aluminum Oxide/Silicon Carbide
Bond	Q
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s-100m/s
Thickness	5/32"-3/16"
Workpiece Material	Concrete/Cast iron
Feature	Reinforce concrete



### Recommendation for use:

Excellent for cutting reinforced concrete, as well as cast iron, hard metal and concrete coated steels.

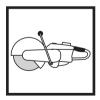
### Cautions:

High power Gas Saw required for 14" and 16".











D	т	В	Designation	Max R.P.M	Part number	Qty. per shrink	Qty. per ctn.
12"	5/32"	1"	AC24Q	5100	AC4800.1200.01	5	25
12"	5/32"	1"	AC24Q	6300	AC4800.1200.02	5	25
14"	3/16"	1"	AC24Q	4350	AC4800.1400.01	5	25
14"	3/16"	1"	AC24Q	5450	AC4800.1400.02	5	25
16"	3/16"	1"	AC24Q	3800	AC4800.1600.01	5	25
16"	3/16"	1"	AC24Q	4750	AC4800.1600.02	5	25



# HOW TO CHOOSE DUPRO GRINDING WHEELS



The reinforced grinding wheels of both hard bond and soft bond are designed for use either on surfaces or on edges.

Choose the right wheels for different materials by color, METAL INOX STONE Choose the right wheels according to your machine power, HIGH POWER LOW POWER











### RECOMMENDATION OF GRINDING WHEELS

Machine	D	wer Use	Steel		Inox		Stone	
Machine	Power	USE	Hard bond	Soft bond	Surface/Weld	Edge		
Angle Grinder Low	Lliab	Surface/Weld	• • •	•	• • •	•	• • •	
	nigii	Edge	• • •	•	• • •	•	• • •	
		Surface/Weld	•	• • •	•	• • •	• • •	
		Edge	•	• • •	•	• • •	• • •	

- O O O BEST PERFORMANCE
- **GOOD PERFORMANCE**
- **ACCEPTABLE PERFORMANCE**

### **POWER OUTPUT OF ANGLE GRINDER**

Agngle grinder	Machine type	4"	4-1/2"	5"	7"	9"
	Air powered	-	<800w	<1000w	<1900w	<2200w
High power	Electric-speed controlled	-	<1400w	<1500w	<2500w	<2800w
	Electric	<700w	<1000w	<1200w	<2200w	<2500w
Lownower	Air powered	<400w	<600w	<800w	<1500w	<1800w
Low power	Electric	<500w	<1000w	<1200w	<1800w	<2000w

## **METAL 6000**





Most popular grinding wheels for comprehensive jobs on site. Hard bonded.

Use for High power angle grinder for Welds, deburring and edge grinding.

Abrasives	Aluminum Oxide
Bond	R
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s
Thickness	1/4"
Workpiece Material	Steels
Feature	Fast stock removal/Long service life



### Recommendation for use:

Use High power machines to achieve the highest efficiency.

### Cautions:

Low power machines are only good for edge grinding. Stock removal will be slow...







D	т	В	Designation	Part number	Qty. per box	Qty. per ctn.
4"	1/4"	7/8"	A24R	M6000.0400.01H	25	100
4-1/2"	1/4"	7/8"	A24R	M6000.0412.01H	25	100
5"	1/4"	7/8"	A24R	M6000.0500.01H	25	100
7"	1/4"	7/8"	A24R	M6000.0700.01H	25	50
9"	1/4"	7/8"	A24R	M6000.0900.01H	25	50







Specifically developed for stainless steel with a selection of high quality abrasives combined.

Hard bonded for use on a High power angle grinder for welds, deburring and edge grinding.

Abrasives	Aluminum Oxide
Bond	Q
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s
Thickness	1/4"
Workpiece Material	Steels
Feature	exceptional fast stock removal

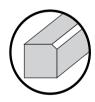


### Recommendation for use:

Use High power machines to achieve maximum efficiency.

### Cautions:

Stock removal will be slow.















Most popular grinding wheels for comprehensive jobs on site. Soft bonded for use by low power angle grinder for welds, deburring and edge grinding.

Abrasives	Aluminum Oxide/Zirconium
Bond	0
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s
Thickness	1/4"
Workpiece Material	Stainless steels
Feature	exceptional fast stock removal



### Recommendation for use:

Use Low power machine to extend wheel life.

### Cautions:

9"

1/4"

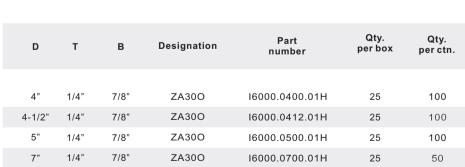
7/8"

High power machine will deliver faster stock removal but will shorten the grinding life drastically.









**ZA300** 





25

50

I6000.0900.01H





Specifically developed for stainless steel with a selection of high quality abrasives combined.

Soft bonded for use on Low power angle grinders for surface grinding and general purpose.

Abrasives	Aluminum Oxide/Zirconium
Bond	N
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s
Thickness	1/4"
Workpiece Material	Stainless steels
Feature	Fast stock removal/Long service life



### Recommendation for use:

Use Low power machine to extend wheel life.

### Cautions:

High power machine will deliver faster stock removal but will shorten the grinding life drastically.















# STONE

Widely used grinding wheels for masonry materials, Aluminum and Cast iron.

Medium bonded for surface grinding and general purpose use.

Abrasives	Silicon Carbide
Bond	R
Reinforce	Three fiber net
Safety	EN12413
Max speed	80m/s
Thickness	1/4"
Workpiece Material	Steels
Feature	Fast stock removal/General purpose



### Recommendation for use:

Best performance for natural and artificial stones, concrete. Good for Aluminum and Cast iron as well.

### Cautions:

Do not use on ferrous metals.









D	т	В	Designation	Part number	Qty. per box	Qty. per ctn.
4"	1/4"	7/8"	C24R	C6000.0400.01	25	100
4-1/2"	1/4"	7/8"	C24R	C6000.0412.01	25	100
5"	1/4"	7/8"	C24R	C6000.0500.01	25	100
7"	1/4"	7/8"	C24R	C6000.0700.01	25	50
9"	1/4"	7/8"	C24R	C6000.0900.01	25	50



# Q U A L I T Y A B R A S I V E S

### **DUPRO TOOLS INC.**

ADD: 1234 West Winton Ave. Hayward, Ca 94545

TEL: 360.518.4007 FAX: 360.414.3249

E-mail: johntai@duprousa.com

akurtti@duprousa.com

