

# EXTREMECUT



**AVERTISSEMENT**  
PERSONALES, SIEMPRE SE DEBE LEER  
COMPRENDER EL MANUAL DE INSTRUCCIONES  
ANTES DE UTILIZAR EL PRODUCTO. UTILICE  
SIEMPRE LAS GUARDAS APROPIADAS PARA LA  
SIEMPRE LA PROTECCIÓN ADECUADA. UTILICE  
VISTA Y PARA LAS VÍAS RESPIRATORIAS. UTILICE  
SOLAMENTE LOS ACCESORIOS CALIFICADOS  
COMO MÍNIMO PARA 12.100 RPM/MIN.  
REDUCE LOS  
RISQUES DE BLESSURES. L'UTILISATEUR DOIT LIRE  
ET COMPRENDRE LE GUIDE D'UTILISATION.  
TOUJOURS UTILISER LES PROTECTEURS  
APPROPRIÉS, TOUJOURS PORTER DE L'ÉQUIPEMENT  
DE PROTECTION OCULAIRE ET RESPIRATOIRE  
APPROPRIÉ. UTILISER SEULEMENT DES  
ACCESSOIRES CONÇUS POUR UNE VITESSE DE  
12 100 TR/MIN.

**SLIT ENERGY**

**M MABTOOLS**

AS1788.1  
EN 12413

**MAX**  
80 m/s

**DRPEMTO127M**

Use machine guard.  
Comply with C.S.A.,  
B7.1 and OSHA rules.  
Utilisez le garde-  
protecteur et suivez les  
normes de sécurité de  
l'ACNOR, ANSI B7.1 et OSHA.  
Usese como indica la norma  
de seguridad ANSI B7.1  
cúmplase con las normas del  
INE. Siempre use guarda de  
protección en la máquina.

Made in France  
[www.mabtools.fr](http://www.mabtools.fr)

**MAX**  
12 250 1/min

**EA30SMBF**



**125 x 1,2 x 22,23**  
**ISO 525 Type 41**  
**5" x .045" x 7/8"**



**CUTTING & GRINDING WHEELS**

REFERENCE & APPLICATION GUIDE	
CUT-OFF WHEELS	
CUTTING AND GRINDING WHEELS	
GRINDING WHEELS	
Notes	



EXTREME ABRASIVES is proud to represent MABTOOLS in North America



MABTOOLS, located in France, designs, develops and manufactures a complete range of cutting, deburring, and grinding solutions for industrial use. Previously known as MOLEMAB France, MABTOOLS, is the leading European manufacturer of Resin Bonded Wheels under its own brands as well as private labels.

MABTOOLS has a long history dating back to 1961, when it was created by Gianfranco Maiolini under the MOLEMOB name.

MABTOOLS invests heavily in R&D and technical staff to continue advancements in abrasive technology.

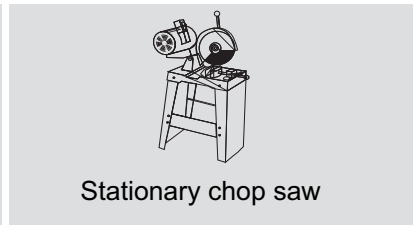
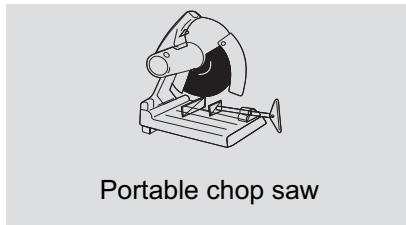
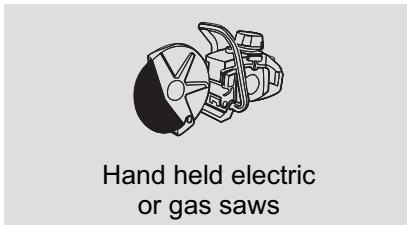
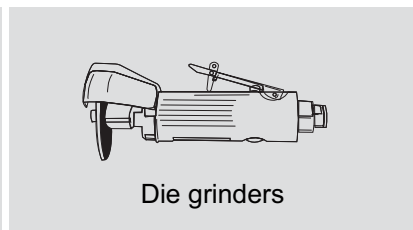
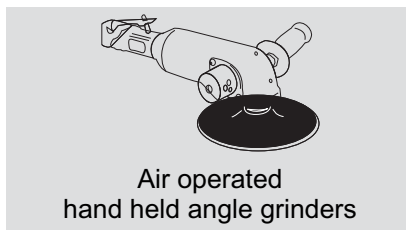
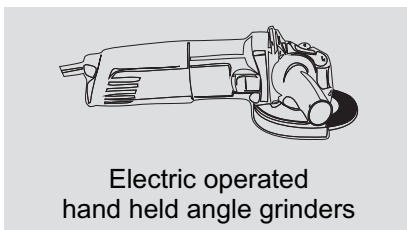
The highest quality, safety, performance and value in industry are the main advantages of the MABTOOLS Cutting and Grinding Wheels. These wheels are the preferred choice of professional users.

Cutting wheels are long-lasting and produce clean, precise, and burr-free cuts. Grinding wheels provide exceptionally high stock removal. Each wheel has fibreglass reinforcements that are selected for quality, strength, and maximum safety during use. All wheels are oSa approved, meet all of the EU and OSHA safety standards, and are made in France.

Recommended Wheels by Material:

RANGE	MATERIALS
r.Evolution Cutting Wheels	Stainless Steels, Hard Steels, Alloyed Steels, Carbon Steels, Tool Steels, Sheet Metal
Power Cutting Wheels	All types of Steels, Sheet Metal, Cast Iron, Non-Ferrous Metals
Energy Cutting and Grinding Wheels	All Steels, Sheet Metal

Cutting and Grinding Discs are designed for the machine types below:



WHEEL FEATURES	WHEEL BENEFITS
High-Tech Bonding	Minimize wheel wear and maximize life
High-Tech Grain	Outperforms other wheels on the market
Cooling Additive	Cool and burr-free cut
Fibreglass Reinforced	Safe even with the most aggressive applications
oSa certified	Safe to use
Latest Manufacturing Technology	Consistent quality and balance
	High G-ratio (lower manufacturing cost)
	Less operator fatigue
	No vibration



### Evolution range

Evolution range is manufactured from excellent raw materials with the latest technology. These discs are specifically designed for extreme uses. Innovation, research, and tests led our engineers to develop this exceptional disc for cutting steel and stainless steel.

### Power Range

MABTOOLS designed Power Range wheels through customer feedback and the latest manufacturing technologies for applications on all types of materials. With their excellent performance, Power Range wheels set the standard for the high-quality abrasives market and an above-average return. Power Range features a complete assortment of wheels.

### Energy Range

General and economic, for all industries. Energy Range's advantages are in its ease of use, its excellent durability, and a great quality-to-price ratio.

### Quality & Safety

All resin bonded wheels are engineered with safety in mind and undergo specific safety tests. MABTOOLS products offer a perfect balance between quality and lifetime, complying with the most recent safety norms. Resinoid cutting and grinding discs are manufactured in France, respecting the strictest European standards.

## FOR OPERATOR SAFETY



Follow ANSI and OSHA regulations



Wear a dust mask



Wear safety gloves



Wear safety glasses and ear muffs



Do not exceed operating speed



Read instructions

### Grinding Wheels vs. Flap Discs



- Up to 5 times longer life
- Both faces can be used to grind
- 1/8" wheels can be used for cutting and grinding



### Grinding Wheels vs. Fibre Discs:



- Up to 100 times longer life
- Both faces can be used to grind
- Fewer disc changes
- No back-up pad
- Easier storage



### Cutting and Grinding Wheels

**Cutting and Grinding Wheels** have chemically treated abrasive blends that allow for high performance, improving disc elasticity and tenacity. These versatile wheels have been designed for cutting, notching, and grinding on all metals. A clean and burrless cut and multi-use save time and money by eliminating changeover.

### Energy Grinding Wheels

**Energy Grinding Wheels** are designed and manufactured to provide the best grinding performances on steel and stainless steel. Their high stock removal makes them the ideal wheel to use in most grinding operations. .



Depending on the application and workpiece, wheels are available in following styles:

**Type 1 or 41** - Has a flat shape for maximum efficiency and usage

**Type 27 or 42** - Has a depressed centre shape for rigidity and surface cutting.

CUTTING WHEEL  
FLAT T1



CUTTING WHEEL  
DEPRESSED CENTRE T27



CUTTING AND GRINDING WHEEL  
DEPRESSED CENTRE T27



GRINDING WHEEL  
DEPRESSED CENTRE T27



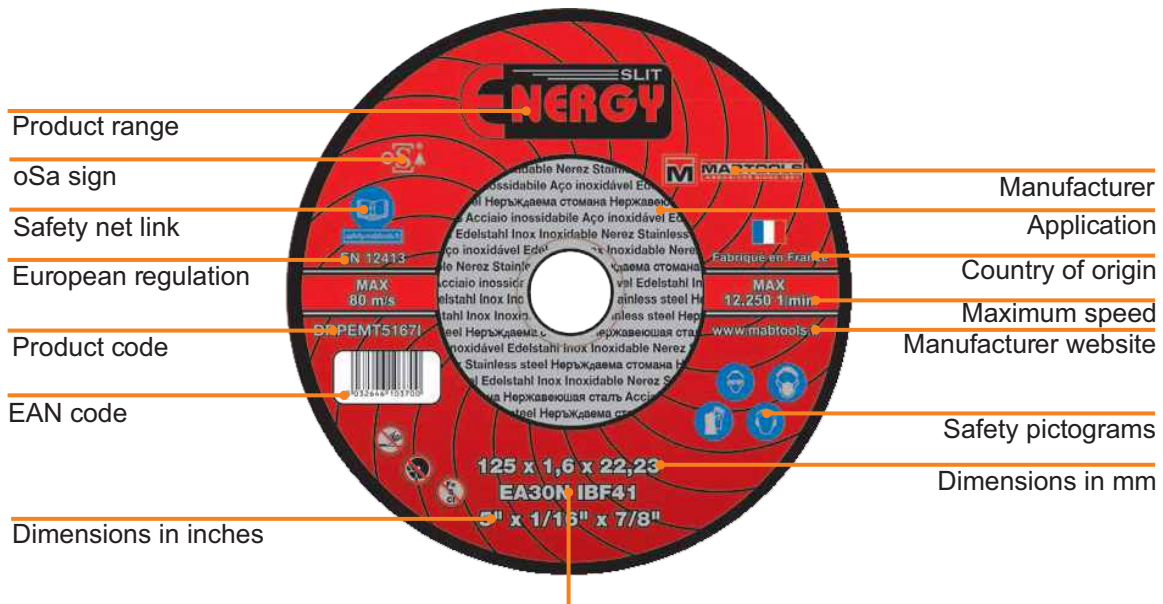
### Main Applications

- METAL FABRICATION
- MAINTENANCE
- METAL CONSTRUCTION
- AUTO BODY INDUSTRY
- RAILS
- TANKS/PIPELINES
- SHIPYARDS

# CUTTING AND GRINDING WHEELS

## HOW TO READ LABELS

MABTOOLS disc labels are designed according to regulation EN 12413 and oSa recommendations.



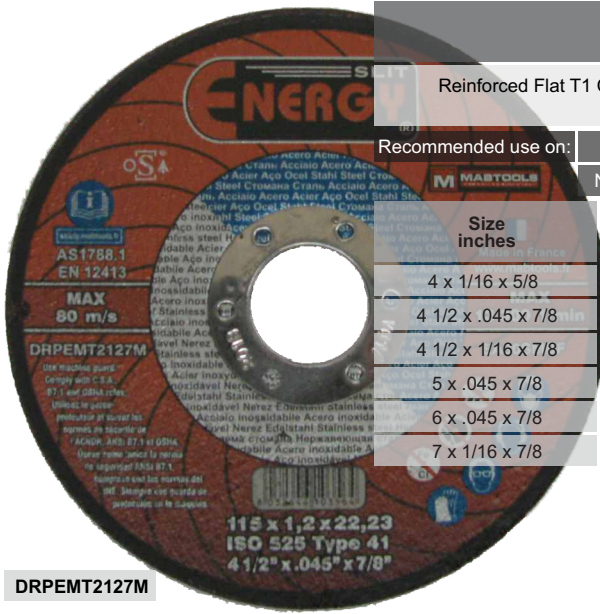
## SPECIFICATION

**X Z 46 T M B F 41**

RANGE	ABRASIVE	GRIT	HARDNESS	APPLICATION	BOND	REINFORCEMENT	SHAPE
E - Energy P - Power R - r.Evolution X - Xforce Z - Zforce	A - A/O A - C/A C - S/C Z - Z/A	Coarse 24 30 36 46 60 Fine	Soft N P Q R S T Hard	H - Aluminium I - Stainless K - Steel M - Steel and Stainless Steel R - Rails Y - Cast Iron	B - Resin	F - Fibreglass	27 - Depressed Centre Grinding 41 - Flat Cutting 42 - Depressed Centre Cutting

# Energy Cutting Wheels

Made using chemically treated abrasive blends which offer good performance and improves the discs tenacity. These wheels have been designed for versatility, paying particular attention to the price/performance ratio. A clean and precise cut make these wheels a good choice for operations on **steel and stainless steel**.



DRPEMT2127M

## ENERGY

Reinforced Flat T1 Cutting Wheels made with Top Quality Aluminum grain. Excellent performance at a competitive price. Contaminate free. Long life.

Recommended use on:

All Steels	Alloyed Steels	Heat Treated Steels	Sheet Metal
Non Ferrous Metals	Cast Iron	Stainless Steels	

Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 x 1/16 x 5/8	101 x 1,6 x 16,0	1/41	TA60T	DRPEEX4165M	15,300	50
4 1/2 x .045 x 7/8	115 x 1,2 x 22,23	1/41	EA30S	DRPEMT2127M	13,300	25
4 1/2 x 1/16 x 7/8	115 x 1,6 x 22,23	1/41	EA30S	DRPEMT2167M	13,300	25
5 x .045 x 7/8	127 x 1,2 x 22,23	1/41	EA30S	DRPEMT0127M	12,250	25
6 x .045 x 7/8	150 x 1,2 x 22,23	1/41	EA30S	DRPEMT6127M	10,200	25
7 x 1/16 x 7/8	180 x 1,6 x 22,23	1/41	EA30S	DRPEMT7167M	8,500	25

CUTTING WHEEL  
FLAT T1



DRDEMT2127M

## ENERGY

Reinforced Depressed Centre T27 Cutting Wheels made with Top Quality Aluminum Oxide Grain. Excellent performance at a competitive price. Contaminate free. Long life.

Recommended use on:

All Steels	Alloyed Steels	Heat Treated Steels	Sheet Metal
Non Ferrous Metals	Cast Iron	Stainless Steels	

Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 1/2 x .045 x 7/8	115 x 1,2 x 22,23	27/42	EA30S	DRDEMT2127M	13,300	25
5 x .045 x 7/8	127 x 1,2 x 22,23	27/42	EA30S	DRDEMT0127M	12,250	25
6 x .045 x 7/8	150 x 1,2 x 22,23	27/42	EA30S	DRDEMT6167M	10,200	25
7 x 1/16 x 7/8	180 x 1,6 x 22,23	27/42	EA30S	DRDEMT7167M	8,500	25

CUTTING WHEEL  
DEPRESSED CENTRE T27

CUT-OFF WHEELS

## Xforce Cutting Wheels

Made with high quality zirconium abrasive grain that has the ability to sharpen itself. Top performance on **Stainless Steel and Steel** for demanding applications. Long life.



DRPXMT2167M

### Xforce

Reinforced Flat T1 Cutting Wheels. Zirconia Self-Sharpening grain for high performance cutting on steel and stainless steel. .

Recommended use on:	Stainless Steels	Alloyed Steels	Heat Treated Steels	Tool Steels
	Sheet Metal			

Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 1/2 x 1/16 x 7/8	115 x 1,6 x 22,23	1/41	XZ46T	DRPXMT2167M	13,300	25
5 x 1/16 x 7/8	127 x 1,6 x 22,23	1/41	XZ46T	DRPXMT5167M	12,250	25
6 x 1/16 x 7/8	150 x 1,6 x 22,23	1/41	XZ46T	DRPXMT6167M	10,200	25
7 x 1/16 x 7/8	180 x 1,6 x 22,23	1/41	XZ46T	DRPXMT7167M	8,500	25

CUTTING WHEEL  
FLAT T1



DRDXMT0167M

### Xforce

Reinforced Flat T1 Cutting Wheels. Zirconia Self-Sharpening grain for high performance cutting on steel and stainless steel. .

Recommended use on:	Stainless Steels	Alloyed Steels	Heat Treated Steels	Tool Steels
	Sheet Metal			

Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 1/2 x 1/16 x 7/8	115 x 1,6 x 22,23	27/42	XZ46T	DRDXMT2167M	13,300	25
5 x 1/16 x 7/8	127 x 1,6 x 22,23	27/42	XZ46T	DRDXMT0167M	12,250	25
6 x 1/16 x 7/8	150 x 1,6 x 22,23	27/42	XZ46T	DRDXMT6167M	10,200	25
7 x 1/16 x 7/8	180 x 1,6 x 22,23	27/42	XZ46T	DRDXMT7167M	8,500	25

CUTTING WHEEL  
DEPRESSED CENTRE T27



## r.Evolution Cutting Wheels

Made with an exclusive ceramic abrasive grain that has the ability to resharpen itself. Bonded with high tech binders, these discs feature an internal cooling system using a new additive previously unknown. This additive allows the disc to keep a controlled temperature throughout the cut, resulting in constant working conditions and improved the cutting time, life and operator comfort. Recommended for **stainless steel and soft metal**



DRPRMT2127M

### r.EVOLUTION

Reinforced Flat T1 Cutting Wheels. Proprietary new abrasive spherically shaped. Self-Sharpening grain is bonded using latest technology.

Recommended use on:	Stainless Steels	Alloyed Steels	Heat Treated Steels	Tool Steels		
	Sheet Metal					
Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 1/2 x .045 x 7/8	115 x 1,2 x 22,23	1/41	RA60T	DRPRMT2127M	13,300	25
5 x .045 x 7/8	127 x 1,2 x 22,23	1/41	RA60T	DRPRMT0127M	12,250	25
6 x .045 x 7/8	150 x 1,2 x 22,23	1/41	RA60T	DRPRMT6127M	10,200	25
7 x 1/16 x 7/8	180 x 1,6 x 22,23	1/41	RA60T	DRPRMT716M	8,500	25

CUTTING WHEEL  
FLAT T1



DRDRMT2127M

### r.EVOLUTION

Reinforced Depressed Centre T27 Cutting Wheels. Proprietary new abrasive spherically shaped. Self-Sharpening grain is bonded using latest technology.

Recommended use on:	Stainless Steels	Alloyed Steels	Heat Treated Steels	Tool Steels		
	Sheet Metal					
Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 1/2 x .045 x 7/8	115 x 1,2 x 22,23	27/42	RA60T	DRDRMT2127M	13,300	25
5 x .045 x 7/8	127 x 1,2 x 22,23	27/42	RA60T	DRDRMT0127M	12,250	25
6 x .045 x 7/8	150 x 1,2 x 22,23	27/42	RA60T	DRDRMT6127M	10,200	25
7 x 1/16 x 7/8	180 x 1,6 x 22,23	27/42	RA60T	DRDRMT7167M	8,500	25

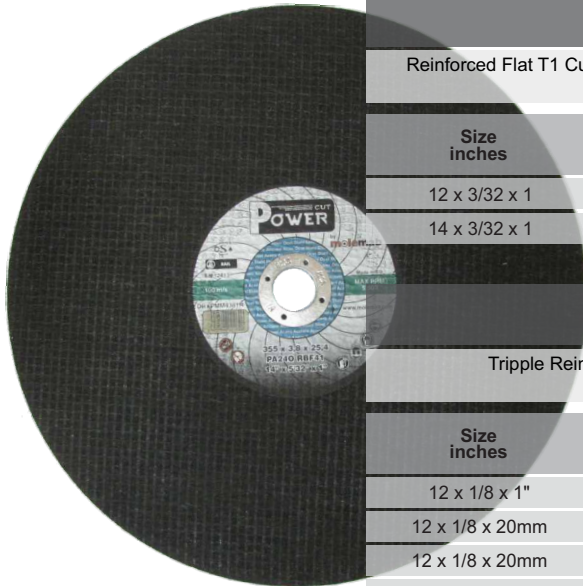
CUTTING WHEEL  
DEPRESSED CENTRE T27



CUT-OFF WHEELS

## Large Diameter Cutting Wheels

Available for Stationary and High Speed Machines



DRXPMM4381R

### Stationary Machines

Reinforced Flat T1 Cutting Wheels specifically made for Stationary Machines. For precise and contorted cutting. available for metal and masonry cutting.

Size inches	Application	Type	Spec	Item No.	Max RPM	Qty Pkg
12 x 3/32 x 1	Metal	1/41	PA36N	DRCPPEX2251M	5,100	10
14 x 3/32 x 1	Metal	1/41	PA36N	DRCPMT4271M	4,400	10

### High Speed Machines

Tripple Reinforced for maximum safety. Wheels specifically made for High Speed Machines. General purpose fast cutting.

Size inches	Application	Type	Spec	Item No.	Max RPM	Qty Pkg
12 x 1/8 x 1"	Metal	1/41	A24R	DRXSEX2301K	6,300	10
12 x 1/8 x 20mm	Concrete	1/41	A24C	DRXSEX2302G	6,300	10
12 x 1/8 x 20mm	Metal	1/41	A24R	DRXSEX2302K	6,300	10
14 x 1/8 x 20mm	Concrete	1/41	A24C	DRXSEX4302G	5,400	10
14 x 1/8 x 20mm	Metal	1/41	A24R	DRXSEX4302K	5,400	10
14 x 5/32 x 1"	Rail	1/41	PA240	DRXPMM4381R	5,400	10

CUTTING WHEEL  
FLAT T1

## Small Diameter Cutting Wheels

Designed and manufactured to provide the great cutting performances on all metals. Wheels specifically made for air operated portable grinders..

### AIR OPERATED GRINDERS

Extremely versatile wheels.  
Best choice for operations on steel, stainless steel, aluminium and non-ferrous materials

Recommended use on:	Steels	Stainless Steels	Aluminum	Non-Ferrous Metals
	Cast Iron	Sheet Metal		



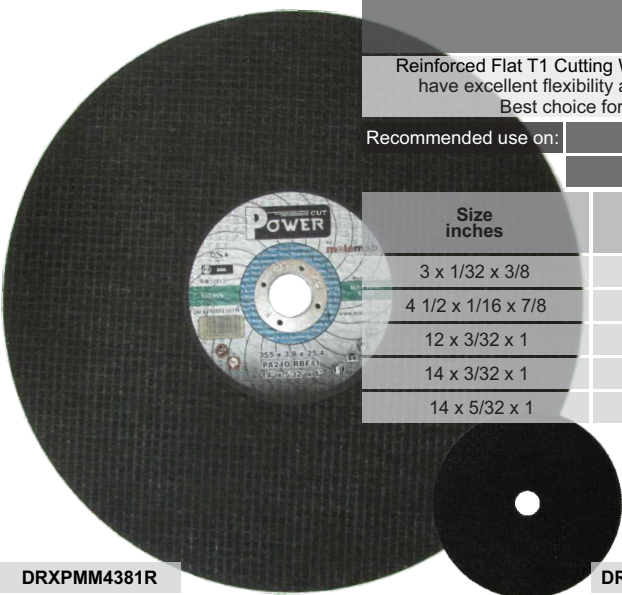
DRPEEX3103M

Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
2 x 1/32 x 3/8	50 x 1,0 x 9,52	1/41	TA60T	DRPEEX2103M	31,000	50
3 x 1/32 x 3/8	76 x 1,0 x 9,52	1/41	TA60T	DRPEEX3103M	25,000	50
3 x 1/16 x 3/8	76 x 1,6 x 9,52	1/41	TA60T	DRPEEX3163M	25,000	50
3 x 1/8 x 3/8	76 x 3,0 x 9,52	1/41	TA60T	DRPEEX3303M	25,000	50
4 x 1/32 x 3/8	101 x 1,0 x 9,52	1/41	TA60T	DRPEEX4103M	19,300	50
4 x 1/16 x 3/8	101 x 1,6 x 9,52	1/41	TA60T	DRPEEX4163M	15,300	50

CUTTING WHEEL  
FLAT T1

# Power Cutting Wheels

Designed and manufactured to provide the great cutting performances on steel, stainless steel, aluminium and non-ferrous metals. These wheels have also been designed for their versatility. This in turn, allows for a better performances during cutting operations on small or large surfaces.




**POWER**


Reinforced Flat T1 Cutting Wheels made with combination of Aluminum Oxide and silicon Carbide grains. Wheels have excellent flexibility and produce clean, precise and burrless cut on all metal. Extremely versatile wheel.  
Best choice for operations on steel, stainless steel, aluminium and non-ferrous materials

Recommended use on:	Steels	Stainless Steels	Aluminum	Non-Ferrous Metals
	Cast Iron	Sheet Metal		


Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
3 x 1/32 x 3/8	76 x 1,0 x 9,52	1/41	TA60T	DRPEEX2103M	19,100	50
4 1/2 x 1/16 x 7/8	115 x 1,6 x 22,23	1/41	PA46T	DRPPMT2167M	13,300	25
12 x 3/32 x 1	300 x 3.0 x 25,40	1/41	PA36N	DRCPEX2251M	5,100	10
14 x 3/32 x 1	355 x 3.0 x 25,40	1/41	PA36N	DRCPMT4271M	4,400	10
14 x 5/32 x 1	355 x 3,8 x 25,40	1/41	PA240	DRXPMM4381R	5,400	10



CUTTING WHEEL  
FLAT T1



DRXPMM4381R



DRPEEX3103M

**CUT-OFF WHEELS**

# ENERGY

Reinforced Depressed Centre T27 Cutting and Grinding Wheel made with Top Quality Aluminum Oxide.



Recommended use on:

Steel	Stainless Steel	Heat Treated Steels	Sheet Metal
Alloyed Steels	Cast Iron	Non-Ferrous Metals	

Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 1/2 x 1/8 x 7/8	115 x 4,0 x 22,23	1/41	EA30S	DRDEMT2407K	13,300	25
5 x 1/8 x 7/8	125 x 4,0 x 22,23	1/41	EA30S	DRDEMT5407K	12,250	25
4 1/2 x 1/8 x 7/8	115 x 4,0 x 22,23	1/41	EA30N	DRDEMT2407I	13,300	25
5 x 1/8 x 7/8	125 x 4,0 x 22,23	1/41	EA30N	DRDEMT5407I	12,250	25

CUTTING AND GRINDING WHEEL  
DEPRESSED CENTRE T27

DRDEMT2407K

Available with: • 5/8-11 Zinc Flange to 4.5" & 5" discs. For item number add 5811 to the end of the existing number.

## ENERGY

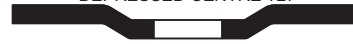
Reinforced Depressed Centre T27 Cutting and Grinding Wheels made with Top Quality Aluminum Oxide.



DRDEMT6607I

Recommended use on:	Steel	Stainless Steel	Heat Treated Steels	Sheet Metal		
	Alloyed Steels	Cast Iron	Non-Ferrous Metals			
Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
4 1/2 x 1/4 x 7/8	115 x 6,0 x 22,23	27/42	EA30S	DRDEMT2607K	13,300	25
5 x 1/4 x 7/8	125 x 6,0 x 22,23	27/42	EA30S	DRDEMT5607K	12,250	25
6 x 1/4 x 7/8	150 x 6,0 x 22,23	27/42	EA30S	DRDEMT6607K	10,200	25
7 x 1/4 x 7/8	180 x 6,0 x 22,23	27/42	EA30S	DRDEMT7607K	8,500	25
4 1/2 x 1/4 x 7/8	115 x 6,0 x 22,23	27/42	EA30N	DRDEMT2607I	13,300	25
5 x 1/4 x 7/8	125 x 6,0 x 22,23	27/42	EA30N	DRDEMT5607I	12,250	25
6 x 1/4 x 7/8	150 x 6,0 x 22,23	27/42	EA30N	DRDEMT6607I	10,200	25

GRINDING WHEEL  
DEPRESSED CENTRE T27



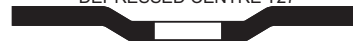
Available with: • 5/8-11 Zinc Flange to 4.5" & 5" discs. For item number add 5811 to the end of the existing number.

## SPECIALITY GRINDING WHEELS

Reinforced Depressed Centre T27 Cutting and Grinding Wheels made for specific materials and applications. Please contact our sales department for specific materials and application. We can provide wheels with specifications other than ones listed in this catalogue.

Size inches	Size mm	Type	Spec	Item No.	Max RPM	Qty Pkg
<b>Zirconia Grinding Wheel. Recommended for Stainless Steel.</b> Excellent performance on soft metals and steel.						
4 1/2 x 1/4 x 7/8	115 x 6,0 x 22,23	27/42	Z24S	DRDZGR260M	13,300	25
<b>Aluminum Grinding Wheel.</b> Excellent performance on soft metals.						
5 x 1/4 x 7/8	125 x 6,0 x 22,23	27/42	ALU24	DEDPGX2607H	12,200	25

GRINDING WHEEL  
DEPRESSED CENTRE T27



Available with: • 5/8-11 Zinc Flange to 4.5" & 5" discs. For item number add 5811 to the end of the existing number.

**CUTTING AND GRINDING WHEELS**



**EXTREMEMANUFACTURING**