

Made in France



www.mab.tools

SINCE 1961

MAB.

tools®

Mar. 2023
AVDA - FM

MADE in FRANCE

MAB.tools

ABRASIVES MADE IN EU

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commercial@mabtools.fr



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www.mab.tools



<https://www.linkedin.com/company/mabtools/>

For your
safety

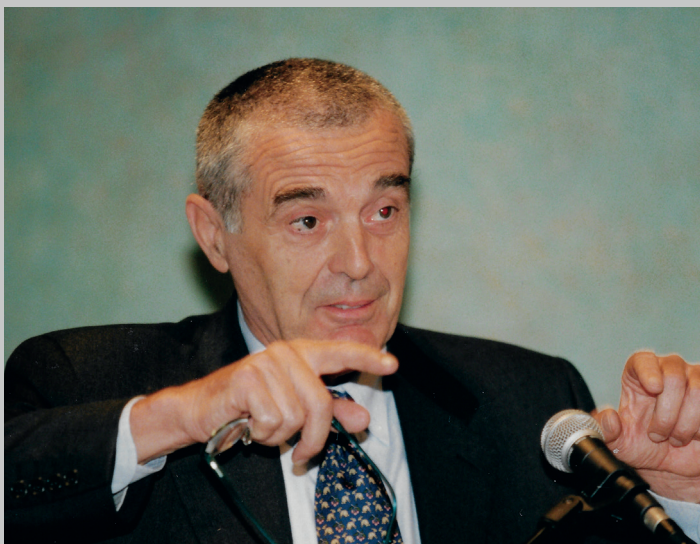


<https://abrasivessafety.com>

RECYCLED PAPER



CATALOG
2023/2024



When he created MAB.tools France in 1992 in Saint Etienne, Gianfranco Maiolini was already well known in the world of abrasive tool production. He was actually the chairman and founder of a leading European company for vitrified abrasives, which he had founded in 1961 near Brescia, Italy.



It was in 2007 that his son, Francesco Maiolini, took over the management of MAB.tools, which quickly became a 100% French company. During the years 2010-2020 the company underwent a complete reorganization with the aim to rush towards automation and sustainability.



The MAB.tools team now consists of 30 women and men who run 13 presses at full capacity to produce the 1200 references of the catalog. Thanks to the six ranges offered (r.Evolution, xForce, zForce, Power, Energy and PMUC), MAB.tools can meet all cutting and grinding needs. The MABTOOLS team makes continuous improvement one of its main assets: its QSE Integrated Management System is certified according to ISO 9001, ISO 14001 and ISO 45001.

MAB.tools®
LES ABRASIFS FRANÇAIS DEPUIS 1992
www.mab.tools

How is an abrasive disc made?



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FABRIQUE EN FRANCE



DRPEMT2107M

115x1,0x22,23 mm



34523



100

Fast cut and absolute lightness for the professional looking for the ESSENTIAL.



FABRIQUE EN FRANCE



DRPPMT2107M

115x1x22,23 mm



30587



25

The PLUS for the professional looking for lightness without compromises.



FABRIQUE EN FRANCE



DRPEMT2167M

115x1,6x22,23 mm



34134



100

The big classic developed in the range ensuring the ESSENTIAL.



FABRIQUE EN FRANCE



DRPPMT2167M

115x1,6x22,23 mm

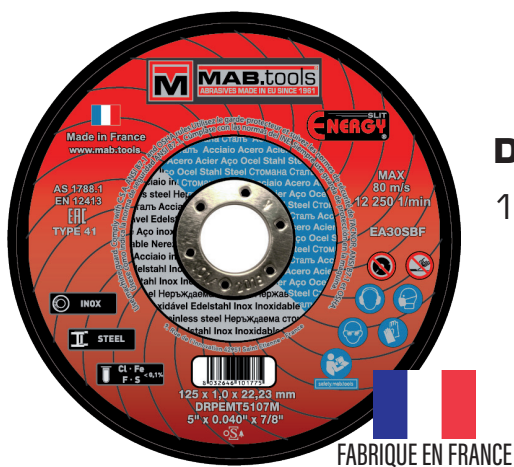


30594



25

The big classic developed in the range ensuring the PLUS to the demanding professional.

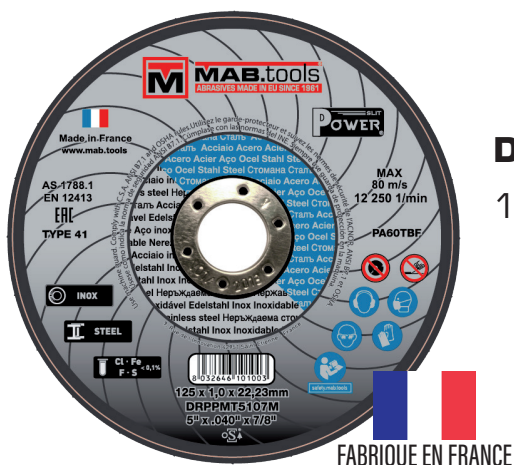


DRPEMT5107M
125x1x22,23 mm

Fast cut and good lifetime for the professional asking the ESSENTIAL.



34653
100

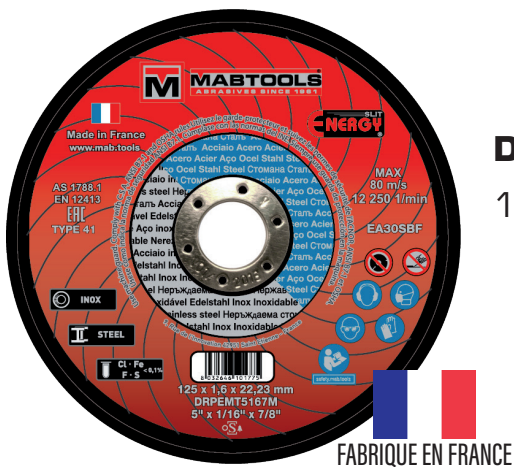


DRPPMT5107M
125x1x22,23 mm

Fast cut and great lifetime: the PLUS for the demanding professional.



31003
25

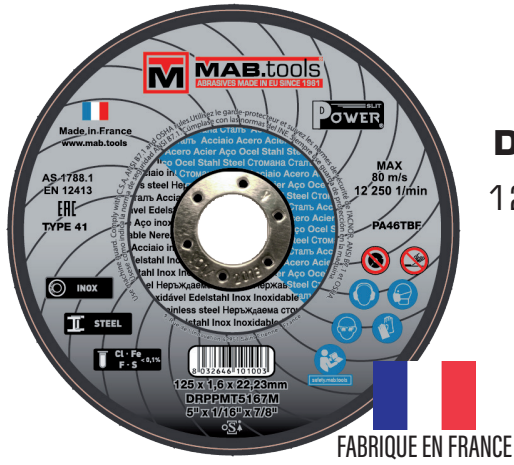


DRPEMT5167M
125x1,6x22,23 mm

The big classic offered in the range going to the ESSENTIAL.



32901
100

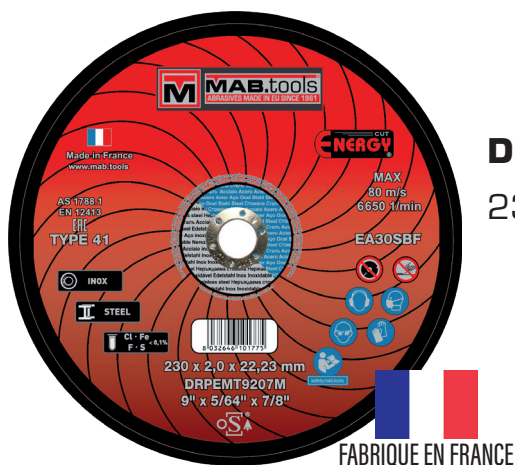


DRPPMT5167M
125x1,6x22,23 mm

The big classic to obtain an optimal cut: the PLUS for the demanding professional. Great lifetime.



30624
25



FABRIQUE EN FRANCE

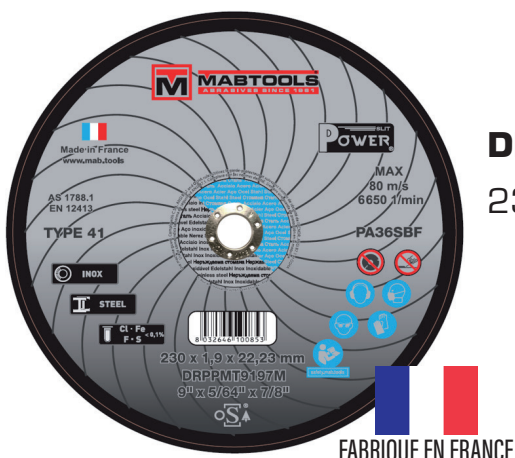


DRPEMT9207M
230x2x22,23 mm



32888
25

For the heavy works of the professional looking for the ESSENTIAL.



FABRIQUE EN FRANCE



DRPPMT9197M
230x1,9x22,23 mm



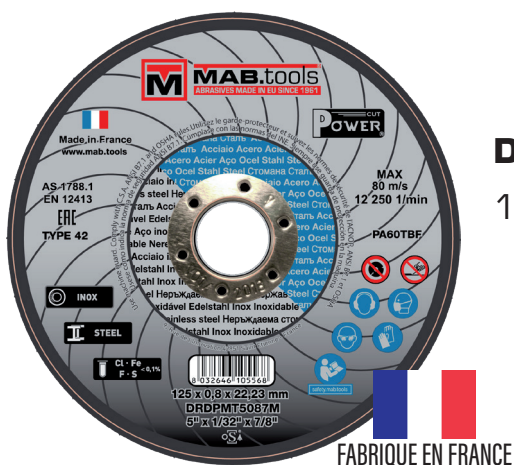
30853
25

The PLUS for the heavy works of the demanding professional.

**One carter is used only for cutting, the other one only for grinding.
Could you identify them?**



Answer: the carter on the left is used for grinding, the one on the right is used for cutting. Always use the correct carter to avoid accidents!



DRDPMT5087M

125x0,8x22,23 mm



35568

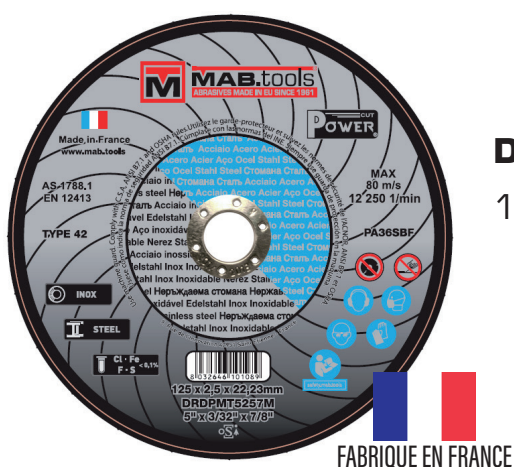


The PLUS of a very thin disc which guarantees rigidity thanks to its depressed center.



**WHAT IS THAT
ALL ABOUT?**

**Not suitable for
face grinding
(ISO 7010)**



DRDPMT5257M

125x2,5x22,23 mm



31089



The PLUS of a depressed center disc developed for the demanding professional.

DID YOU KNOW?

The European standards are periodically reviewed by the experts of the FEPA (European Federation of Abrasive Products Manufacturers) and discussed and approved for the whole world within the ISO.



FABRIQUE EN FRANCE

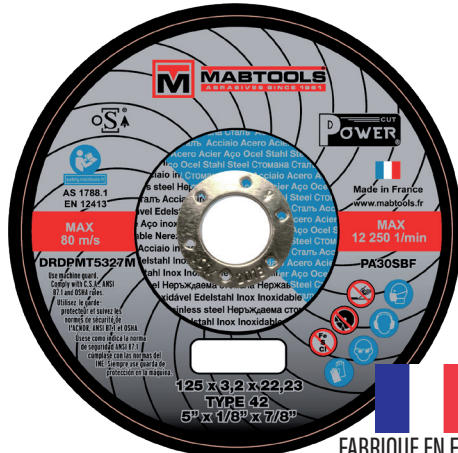


DRDEMT5307M
125x3x22,23 mm



30532
50

The depressed center disc for cutting in the range that guarantees the ESSENTIAL.



FABRIQUE EN FRANCE



DRDPMT5327M
125x3,2x22,23 mm



31096
25

The PLUS of a depressed center disc developed for the demanding professional.



FABRIQUE EN FRANCE

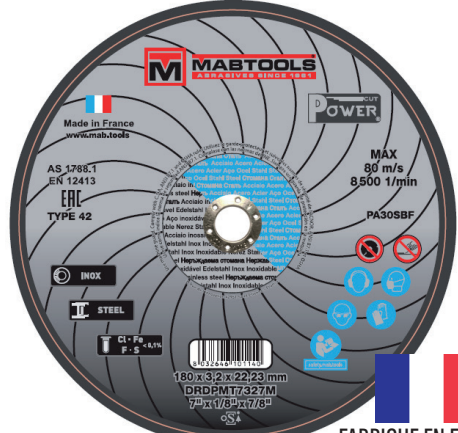


DRDPMT5327H
125x3,2x22,23 mm



31515
25

The PLUS of a depressed center disc developed for the demanding professional.



FABRIQUE EN FRANCE

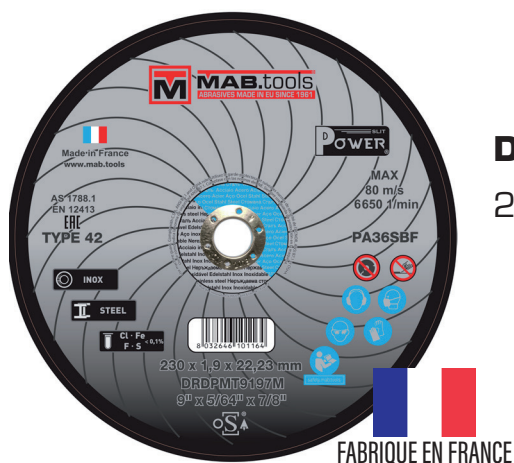


DRDPMT7327M
180x3,2x22,23 mm



31140
25

The PLUS of a depressed center disc developed for the demanding professional.

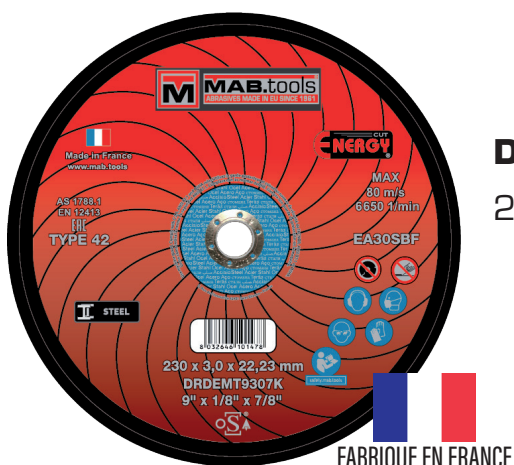


DRDPMT9197M
230x1,9x22,23 mm



31164
25

The PLUS of a thin disc for tough jobs of the most demanding professionals.

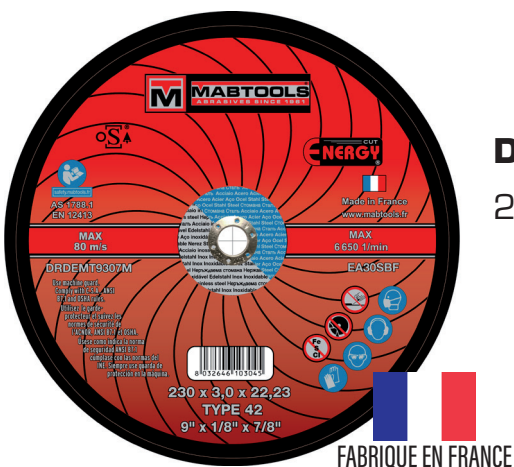


DRDEMT9307K
230x3x22,23 mm



31478
25

The depressed center disc developed for heavy-duty work in the range that guarantees the ESSENTIAL.

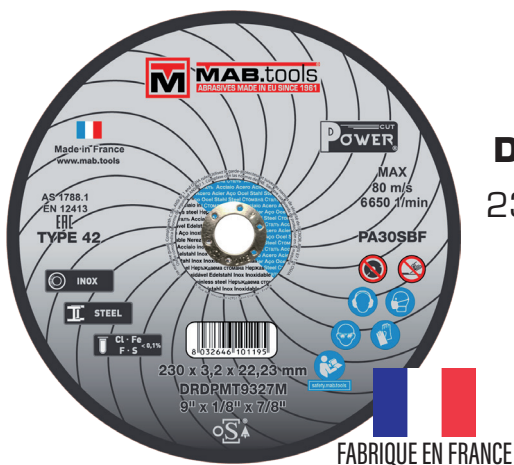


DRDEMT9307M
230x3x22,23 mm



32963
25

The depressed center disc developed for heavy-duty work in the range that guarantees the ESSENTIAL.



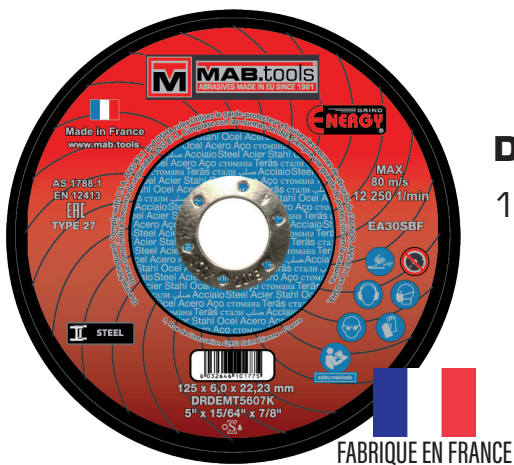
DRDPMT9327M
230x3,2x22,23 mm



31195
25

The PLUS of a heavy-duty depressed center disc developed for the demanding professional.

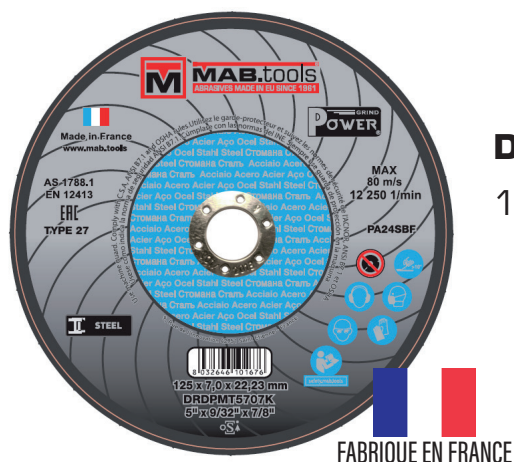




DRDEMT5607K
125x6x22,23 mm

34561
50

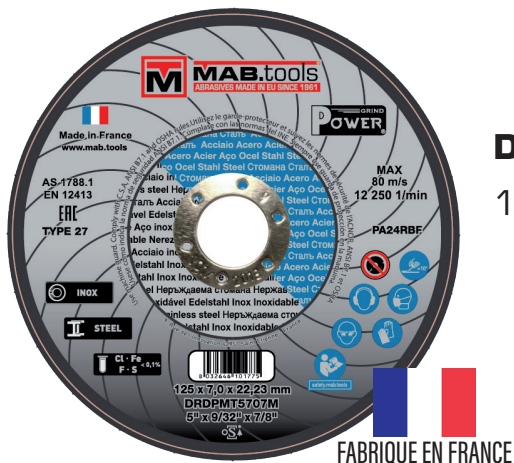
The product that guarantees the ESSENTIAL for easy grinding.



DRDPMT5707K
125x7x22,23 mm

31676
10

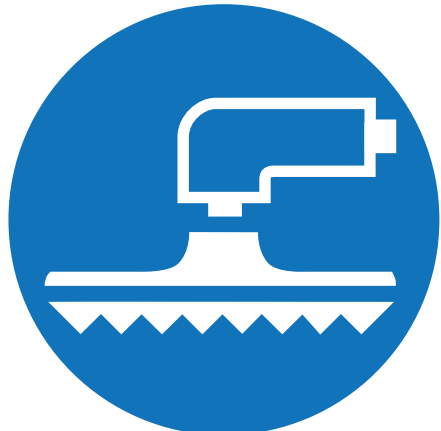
The PLUS of a grinding disc developed for the demanding professional. Excellent material removal ratio.



DRDPMT5707M
125x7x22,23 mm

31669
10

The PLUS of a grinding disc developed for the demanding professional. Excellent material removal ratio.



**WHAT IS THAT
ALL ABOUT?**

Only to be used with back-up pad

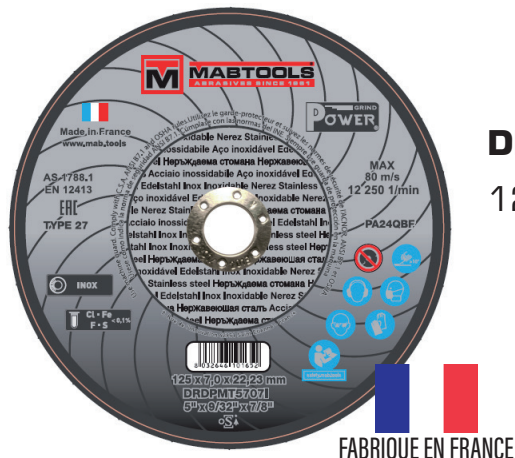


DRDEMT56071
125x6x22,23 mm



34431
10

The ESSENTIAL for stainless steel grinding jobs

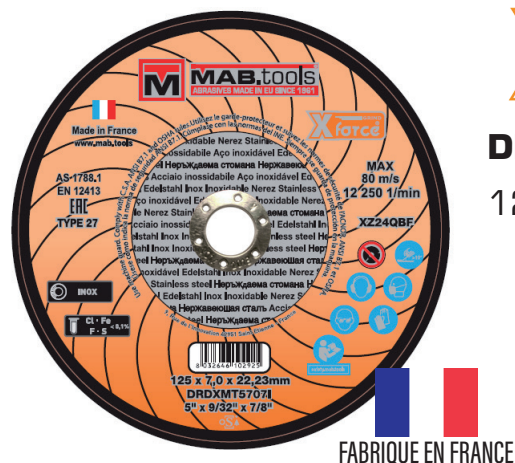


DRDPMT57071
125x7x22,23 mm



31652
10

The PLUS of a grinding disc developed for the demanding professional. Excellent material removal ratio.



DRDXMT57071
125x7x22,23 mm



32925
10

The EXCELLENCE of a mix that maximizes life-span while ensuring comfort of use



oSa goal is the establishment of a high level of [®] abrasive safety based on the relevant EN safety standards worldwide (EN 12413, 13236 and 13743). The highest possible EN safety requirements are in the fundamental interest of oSa. oSa itself is not active in the development of these standards



DRDPMT5707H
125x7x22,23 mm



32048
10

The PLUS of a grinding disc developed for the demanding professional. Excellent material removal ratio.



DRDEMT5607Y
125x6x22,23 mm



33410
50

The ESSENTIAL for cast iron grinding works



WHAT IS THAT
ALL ABOUT?

Only suitable for wet grinding

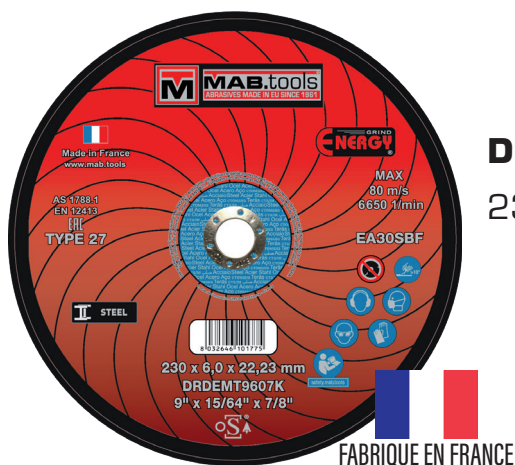


DRDEMT7607K
180x6x22,23 mm



34592
25

The ESSENTIAL for steel grinding works

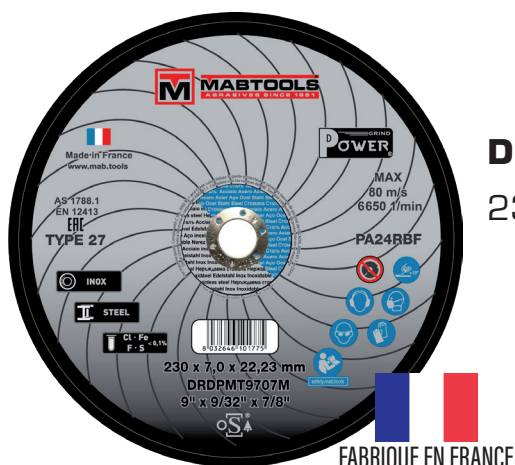


DRDEMT9607K
230x6x22,23 mm



36831
25

The ESSENTIAL for heavy grinding works

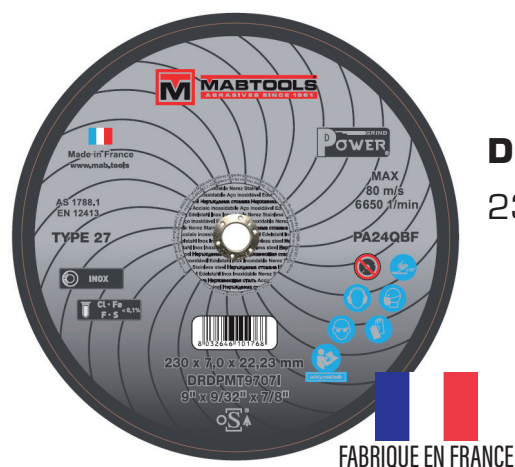


DRDPMT9707M
230x7x22,23 mm



31775
10

The PLUS of a grinding disc developed for the demanding professional. Excellent material removal ratio.



DRDPMT9707I
230x7x22,23 mm



31768
10

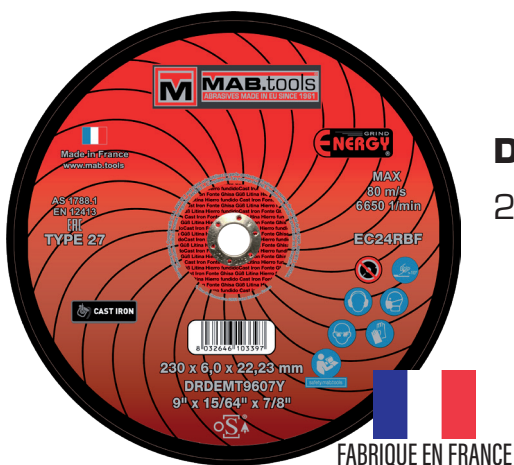
The PLUS of a grinding disc developed for the demanding professional. Excellent material removal ratio.

**RANGES
MAB**



ENERGY range is made up of versatile products, manufactured with the best technological solutions, for professional applications on all types of materials.

The main advantages of the ENERGY range lie in the ease of use, the excellent lifespan and the very good quality/price ratio.

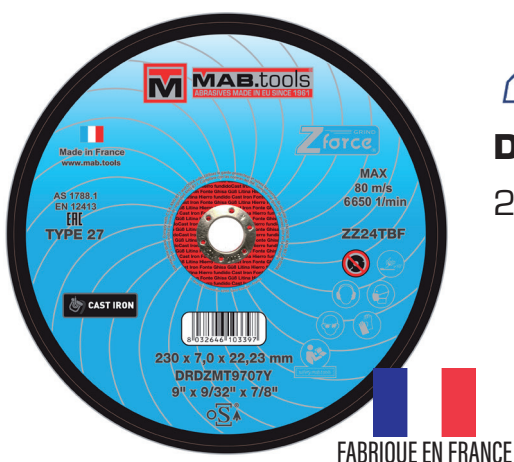


DRDEMT9607Y
230x6x22,23 mm



33359
25

The ESSENTIAL for heavy grinding works



DRDZMT9707Y
230x7x22,23 mm



33397
25

Zirconium oxide disc for cast iron professionals



1

**Raw materials
(abrasives, resins,
adjuvants)**

**HOW
ARE
ABRASIVE DISCS
MADE?**

Abrasive cutting and grinding discs are made from dry and/or liquid raw materials. The following are used in particular: - abrasive powders characterized by different grains (the grain indicates the size of the abrasive particle: the higher the grain value, the finer the abrasive) and made up of different materials (corundum, zirconia, or new ceramic abrasive materials) - binders, generally represented by phenolic or epoxy resins. They can be in powder or liquid form. Their role is to release the grain at the right time when the edges of the disc are worn - the so-called additives, materials that determine specific characteristics of the disc, such as hardness or thermal conductivity.



DRSPMT3083M

76x0,8x10 mm



35216



The PLUS of a high-performance disc for precise body work in tight spaces.



DRSPMT3103M

76x1x10 mm



39894



The PLUS of a high-performance disc for precise body work in tight spaces.



DRSPMT3163M

76x1,6x10 mm



30518



The PLUS of a high-performance disc for precise body work in tight spaces.



**WHAT IS THAT
ALL ABOUT?**

**Do not use with
hand-held grinding machi-
nes**



DRSPMT3243M

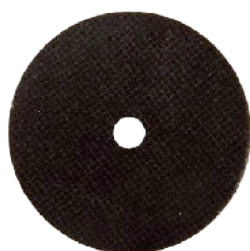
76x2,4x10 mm



36688



The PLUS of a high-performance disc for precise body work in tight spaces.



DRSPMT3483M

76x4,8x10 mm



32093

10



The PLUS of a high-performance disc for precise body work in tight spaces.

DID YOU KNOW?

The Bible mentions a stone called shamir which was most likely emery, a natural abrasive still used today.



DRSMANMT106

10x58x6 mm

35308



Shaft for bore Ø 10 mm, shank diameter 6 mm. For straight or axial grinders, easy to screw and unscrew




FABRIQUE EN FRANCE

POWER

DRCPMT2251K
300x2,5x25,4 mm

 **ACIER**

50890
 10

For efficient and fast cutting of profiles, tubes and bars, the PLUS of a high performance disc




FABRIQUE EN FRANCE

POWER

DRCPMT4271K
355x2,7x25,4 mm

 **ACIER**

32161
 10

For efficient and fast cutting of profiles, tubes and bars, the PLUS of a high performance disc

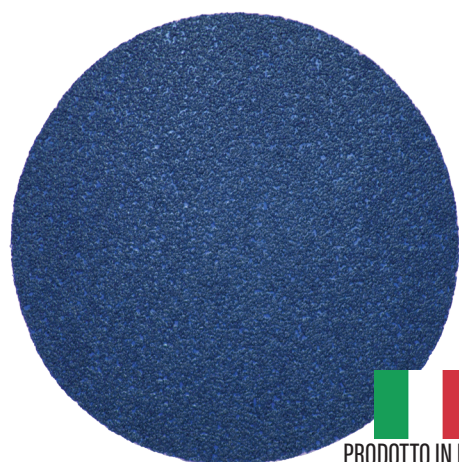


Mix

The mixing operation allows the abrasive grains to be incorporated into the future matrix based on phenolic resin. This is a very complex step, in which many parameters must be taken into account. In particular, it is necessary to control the abrasives used. There are many abrasives which are distinguished in particular by their hardness, their shapes, their size, their chemical composition. Atmospheric conditions (temperature and hygrometry) have a significant influence on the behavior of mixtures, in particular on their viscosity. Adjustments are made daily based on these parameters. The mixing operation includes tests of compressibility, viscosity, homogeneity, but also humidity (of the mixture) and tack (stickiness of the mixture) which can only be carried out by hand by an expert operator.

**HOW
ARE
ABRASIVE DISCS
MADE?**





DVC6Z004V0

Ø 150 mm

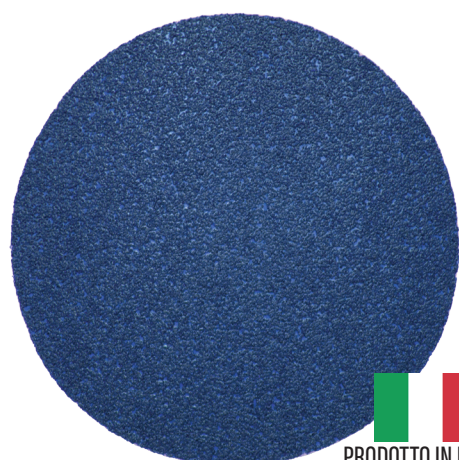
P40



53570



The PLUS of zirconium dioxide for the professional sanding of stainless steel. Without holes



DVC6Z006V0

Ø 150 mm

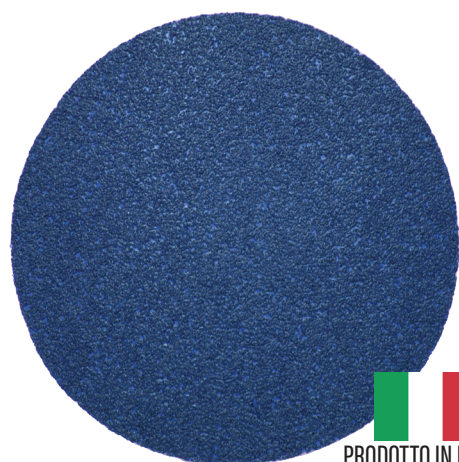
P60



53563



The PLUS of zirconium dioxide for the professional sanding of stainless steel. Without holes



DVC6Z008V0

Ø 150 mm

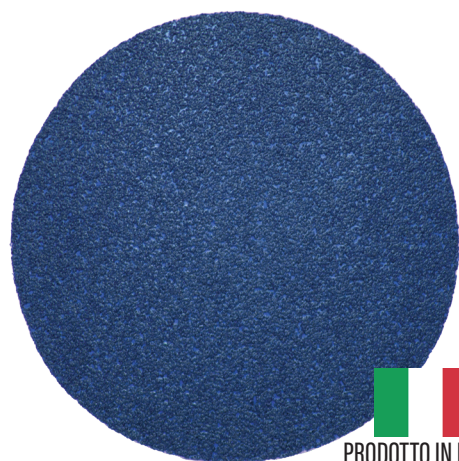
P80



53556



The PLUS of zirconium dioxide for the professional sanding of stainless steel. Without holes



DVC6Z012V0

Ø 150 mm

P120



53549



The PLUS of zirconium dioxide for the professional sanding of stainless steel. Without holes




PRODOTTO IN ITALIA



DVC6A004MO

Ø 150 mm

P40



54577



The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. Without holes




PRODOTTO IN ITALIA



DVC6A008MO

Ø 150 mm

P80



54560

100

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. Without holes



3

Mix distribution

After a rest dictated by the recipe, the mix (i.e. the mixture of all the raw materials) is ready for use. The powder is distributed in special moulds.

It is these molds that give the discs their dimensional characteristics, such as diameter and thickness.

**HOW
ARE
ABRASIVE DISCS
MADE?**




PRODOTTO IN ITALIA



DVC6A004M6

Ø 150 mm

P40



54553



50

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. 6 holes




PRODOTTO IN ITALIA



DVC6A006M6

Ø 150 mm

P60



54546



50

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. 6 holes




PRODOTTO IN ITALIA



DVC6A008M6

Ø 150 mm

P80



54539



100

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. 6 holes




PRODOTTO IN ITALIA



DVC6A010M6

Ø 150 mm

P100



54522



100

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. 6 holes




 PRODOTTO IN ITALIA



DVC6A012M6

Ø 150 mm

P120



54515

 100

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. 6 holes



**WHAT IS THAT
 ALL ABOUT?**

**Refer to instruction manual
 / booklet**




 PRODOTTO IN ITALIA



DVC6A012M9

Ø 150 mm

P120



54508

 100

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. 9 holes




 PRODOTTO IN ITALIA



DVC6A024M9

Ø 150 mm

P240



54492

 100

The PLUS of an F weight paper coupled with high quality brown corundum in a semi-open structure for professional sanding. 9 holes



FAC2328C008V

230x280 mm

P80



53464



The PLUS of a waterproof paper coupled with high quality black silicon carbide for intensive sanding of metals, wet or dry



FAC2328C010V

230x280 mm

P100



53457



The PLUS of a waterproof paper coupled with high quality black silicon carbide for intensive sanding of metals, wet or dry



FAC2328C012V

230x280 mm

P120



53440



The PLUS of a waterproof paper coupled with high quality black silicon carbide for intensive sanding of metals, wet or dry



FAC2328C015V

230x280 mm

P150



53433



The PLUS of a waterproof paper coupled with high quality black silicon carbide for intensive sanding of metals, wet or dry



FAT2328A006F

230x280 mm

P60



53365



The PLUS of a flexible J Flex weight cloth coupled with high quality brown corundum for professional wood sanding



FAT2328A008F

230x280 mm

P80



53358

50

The PLUS of a flexible J Flex weight cloth coupled with high quality brown corundum for professional wood sanding



FAT2328A012F

230x280 mm

P120



53341



The PLUS of a flexible J Flex weight cloth coupled with high quality brown corundum for professional wood sanding



FAT2328A024F

230x280 mm

P240



53334



The PLUS of a flexible J Flex weight cloth coupled with high quality brown corundum for professional wood sanding



PRODOTTO IN ITALIA



DLFEMT5ZZ040S

125x22,23 mm P40



37159



160

The ESSENTIAL of a flap disc with an optimized cloth/abrasive binomial. Flat fibre backing



PRODOTTO IN ITALIA



DLFEMT5ZZ060S

125x22,23 mm P60



37166



160

The ESSENTIAL of a flap disc with an optimized cloth/abrasive binomial. Flat fibre backing



PRODOTTO IN ITALIA



DLFEMT5ZZ080S

125x22,23 mm P80



37173



160

The ESSENTIAL of a flap disc with an optimized cloth/abrasive binomial. Flat fibre backing



FEDERATION • OF • EUROPEAN
PRODUCERS • OF • ABRASIVES

FEPA is committed to its members and its missions, in addition to representing the European abrasive industry, are to promote abrasives produced in Europe, to inform members about the evolution of the regulatory framework in Europe and worldwide, to support producers with a range of technical, legal and scientific services, and to anticipate future challenges in the abrasives sector.




PRODOTTO IN ITALIA

POWER

DLFPMT5ZZ040S

125x22,23 mm P40

 **INOX**

34783

 10

The PLUS of a high-performance cotton cloth coupled with high-quality zirconium oxide for the demanding professional. Flat fibre backing




PRODOTTO IN ITALIA

POWER

DLFPMT5ZZ060S

125x22,23 mm P60

 **INOX**

36077

10

The PLUS of a high-performance cotton cloth coupled with high-quality zirconium oxide for the demanding professional. Flat fibre backing




PRODOTTO IN ITALIA

POWER

DLFPMT5ZZ080S

125x22,23 mm P80

 **INOX**

36091

 10

The PLUS of a high-performance cotton cloth coupled with high-quality zirconium oxide for the demanding professional. Flat fibre backing



**WHAT IS THAT
 ALL ABOUT?**

**Wear protective gloves
 (ISO 7010)**



PRODOTTO IN ITALIA



DLFXMT5ZZ040D

125x22,23 mm P40



36510



The EXCELLENCE of a fabric that guarantees the best working speed coupled with an excellent lifespan. Flat fibre backing



PRODOTTO IN ITALIA



DLFXMT5SZ040D

125x22,23 mm P40



36442



A duo of zirconium oxide and ceramized corundum that ensures EXCELLENCE. Flat fibre backing



PRODOTTO IN ITALIA



DLFXMT5SS040D

125x22,23 mm P40



37722



The EXCELLENCE of a fabric that guarantees the best working speed coupled with an excellent lifespan. Flat fibre backing



PRODOTTO IN ITALIA



DLFXMT5ZZ040M

125x22,23 mm P40



50319



A high performance cloth available in multiple flaps for EXCELLENCE in lifespan. Flat fibre backing




PRODOTTO IN ITALIA



DLTEMT5ZZ040S

125x22,23 mm P40



37395



10

The ESSENTIAL of a flap disc with an optimized cloth/abrasive duo. Tapered fibre backing




PRODOTTO IN ITALIA



DLTEMT5ZZ060S

125x22,23 mm P60



37401

10

The ESSENTIAL of a flap disc with an optimized cloth/abrasive duo. Tapered fibre backing




PRODOTTO IN ITALIA



DLTEMT5ZZ080S

125x22,23 mm P80



37418



10

The ESSENTIAL of a flap disc with an optimized cloth/abrasive duo. Tapered fibre backing

DID YOU KNOW?

Ancient Egyptian drawings show abrasives used to polish jewelry and vases.



PRODOTTO IN ITALIA

POWER

DLTPMT5ZZ040S

125x22,23 mm P40

INOX

34752

10

The PLUS of a high-performance cotton cloth coupled with high-quality zirconium oxide for the demanding professional. Tapered fibre backing



PRODOTTO IN ITALIA

POWER

DLTPMT5ZZ060S

125x22,23 mm P60

INOX

34776

10

The PLUS of a high-performance cotton cloth coupled with high-quality zirconium oxide for the demanding professional. Tapered fibre backing



PRODOTTO IN ITALIA

POWER

DLTPMT5ZZ080S

125x22,23 mm P80

INOX

36084

10

The PLUS of a high-performance cotton cloth coupled with high-quality zirconium oxide for the demanding professional. Tapered fibre backing



**WHAT IS THAT
ALL ABOUT?**

Do not use if damaged



PRODOTTO IN ITALIA



DLTXMT5ZZ040D

125x22,23 mm P40



38163



The EXCELLENCE in terms of working speed and lifespan. Tapered fibre backing



DLTXMT5AA08MD

125x22,23 mm



50463



A duo of cloth and non-woven fabric ensures EXCELLENCE for polishing the stainless steel weld bead without leaving stains



PRODOTTO IN ITALIA



DLTXMT5HH040X

125x22,23 mm P40



34684



The EXCELLENCE of an abrasive mesh developed to work without clogging. Tapered fibre backing.



PRODOTTO IN ITALIA



DLPPMT5ZZ040D

125x22,23 mm P40



50340



The PLUS of a high-performance cotton cloth coupled with high-quality zirconium oxide for the demanding professional. Plastic backing



DFXMT5A036

125x22,23 mm

P36



54188



Long-lasting resins coupled with the PLUS of a high performance corundum grain



DFCMT5Z036

125x22,23 mm

P36



38798



The PLUS of a high-performance zirconium oxide grit for smooth work on stainless steel



DFXMT5S036

125x22,23 mm

P36



35759



The best grain in ceramic corundum guarantees EXCELLENCE for unheard-of material removal.



DFXMT5S080

125x22,23 mm

P80



35773



The best ceramic corundum grain ensures EXCELLENCE for unheard-of pieces polishing.



PRODOTTO IN ITALIA

POWER

DSTMT5C036

125x22,23 mm

P36



BETON

39603



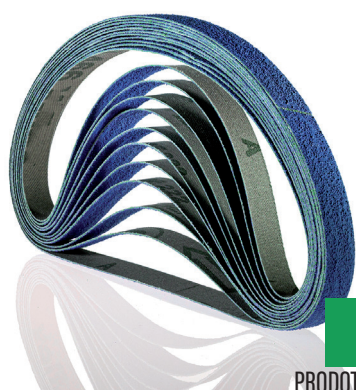
10

Semi-rigid silicon carbide disc for polishing and stripping concrete



**This user
runs a risk...
Why?**

Answer: the grinder does not have the protective guard.



PRODOTTO IN ITALIA

BA010033Z040X

10x330 mm

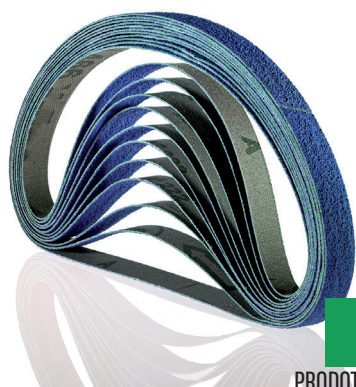
P40



50906



Zirconia synthetic cloth belt for file belt sanding machines



PRODOTTO IN ITALIA

BA013045Z040X

13x454 mm

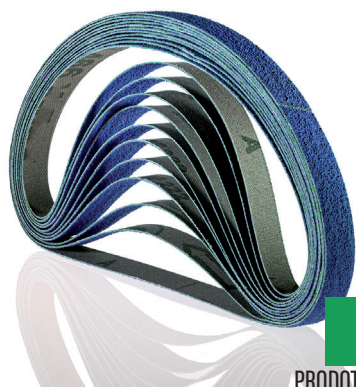
P40



50913



Zirconia synthetic cloth belt for file belt sanding machines



PRODOTTO IN ITALIA

BA015047Z040X

15x475 mm

P40



50920



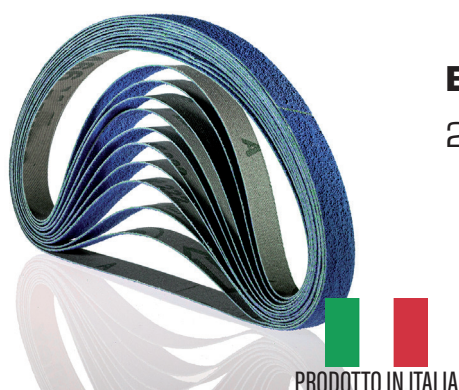
Zirconia synthetic cloth belt for file belt sanding machines

**RANGES
MAB**



The performance of the POWER range places it in the medium/high range on the benchmark market for abrasive products with above-average returns.

POWER is an extensive range, made up of resinoid discs, flap discs, coated abrasives, diamond discs, carbide burrs and mounted points.



BA020052Z040X

20x520 mm

P40

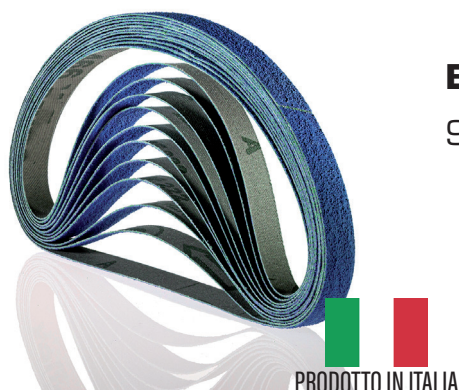
Zirconia synthetic cloth belt for file belt sanding machines



50937



50



BA009053Z040X

9x533 mm

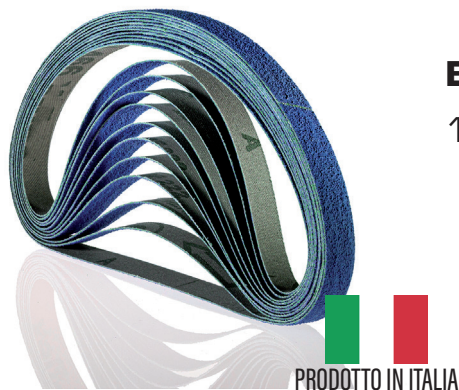
P40

Zirconia synthetic cloth belt for file belt sanding machines



50944

50



BA013053Z040X

13x533 mm

P40

Zirconia synthetic cloth belt for file belt sanding machines



50951

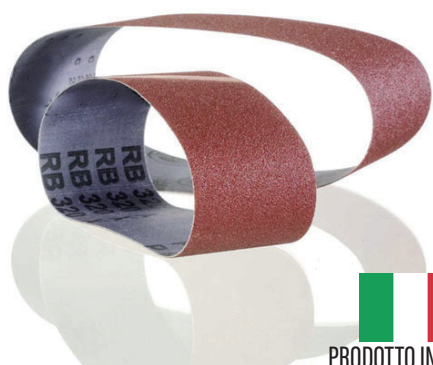


50



**WHAT IS THAT
ALL ABOUT?**

**Wear
eye protection
(ISO 7010)**



BA075045A040X

75x457 mm

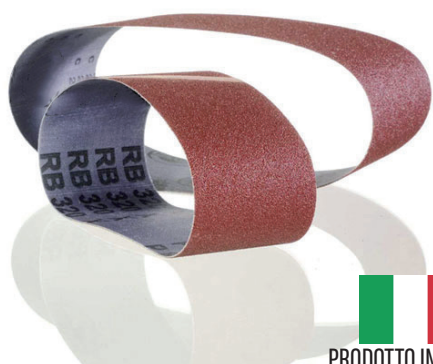
P40



50555



Corundum cloth belt for portable sanders for wood and composites finishing



BA030053A040X

30x533 mm

P40



50500



Corundum cloth belt for portable sanders for wood and composites finishing



BA030053Z040X

30x533 mm

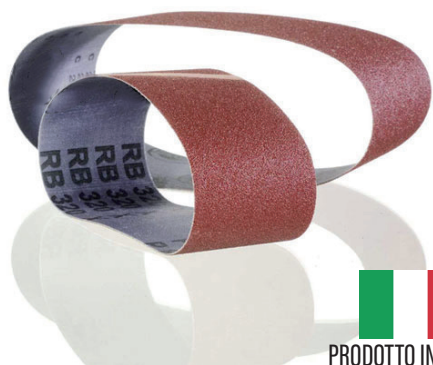
P40



50968



Zirconia cloth belt for portable sanders for stainless steel working.



BA075053A040X

75x533 mm

P40



50562



Corundum cloth belt for portable sanders for wood and composites finishing



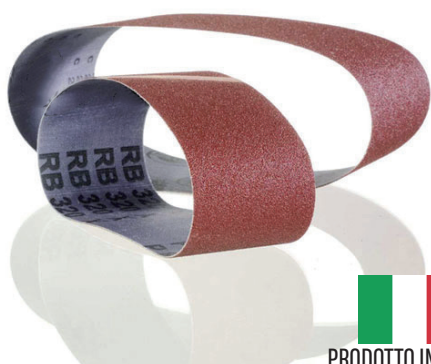
BA100055A080X

100x552 mm P80

50975



Corundum cloth belt for portable sanders for wood and composites finishing



BA100056A040X

100x560 mm P40

50487

10

Corundum cloth belt for portable sanders for wood and composites finishing

4

Adding nets and metal rings



HOW ARE ABRASIVE DISCS MADE?

Depending on the type of disc, special circular fiberglass nets are added between the layers of abrasive mix: two nets for cutting discs, three for grinding discs. The function of these reinforcements is to guarantee the safety of the discs, avoiding the bursting at high speed of the grinders and the breakage in the event of misuse of the disc (for example the cut-off discs used carelessly for small deburring jobs). Storage in a cold room (about ten degrees Celsius) is essential to preserve nets' mechanical characteristics.

A metal ring is also added in order to ease the correct mounting of the disc on the angle grinder.



PRODOTTO IN ITALIA

BA075061A040X

75x610 mm

P40

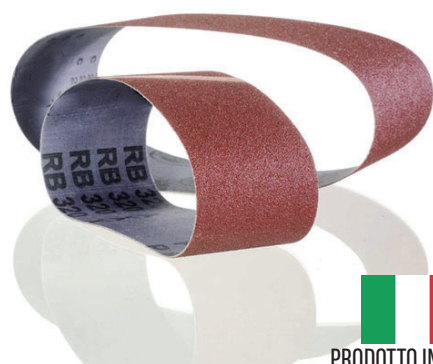


50579



10

Corundum cloth belt for portable sanders for wood and composites finishing



PRODOTTO IN ITALIA

BA100061A040X

100x610 mm

P40

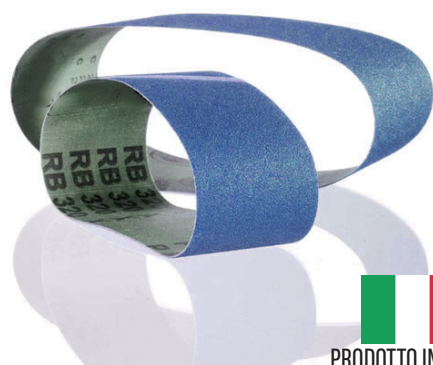


54362



10

Corundum cloth belt for portable sanders for wood and composites finishing



PRODOTTO IN ITALIA

BA100061Z040X

100x610 mm

P40



50982

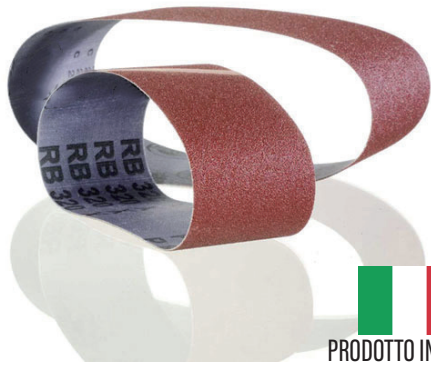


10

Zirconia cloth belt for portable sanders for stainless steel working.



SEAM is the program for sustainability in the European abrasives industry. SEAM is promoted by FEPA, the European Federation of Abrasives Producers, which includes members from the world's leading abrasives companies. FEPA represents more than 80% of European producers of abrasive products, the world leaders including SMEs and international companies, as well as national abrasives associations and their own members.




 PRODOTTO IN ITALIA

BA100062A040X

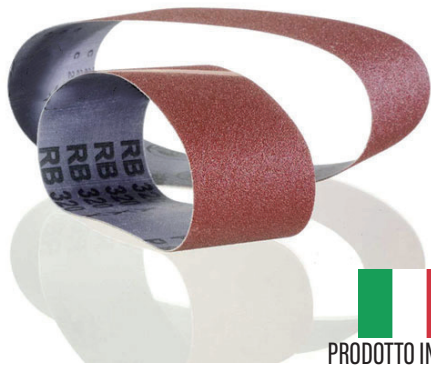
100x620 mm P40



50494



Corundum cloth belt for portable sanders for wood and composites finishing




 PRODOTTO IN ITALIA

BA110062A040X

110x620 mm P40



50999

10

Corundum cloth belt for portable sanders for wood and composites finishing





BA100092A060X

100x920 mm

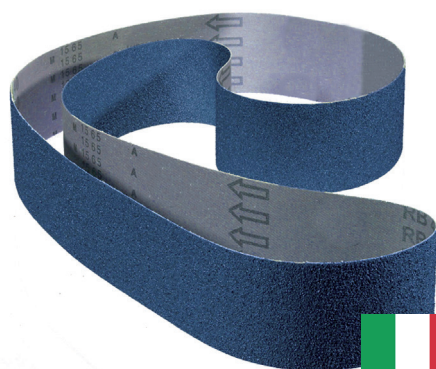
P60



51002



Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



BA100092Z040X

100x920 mm

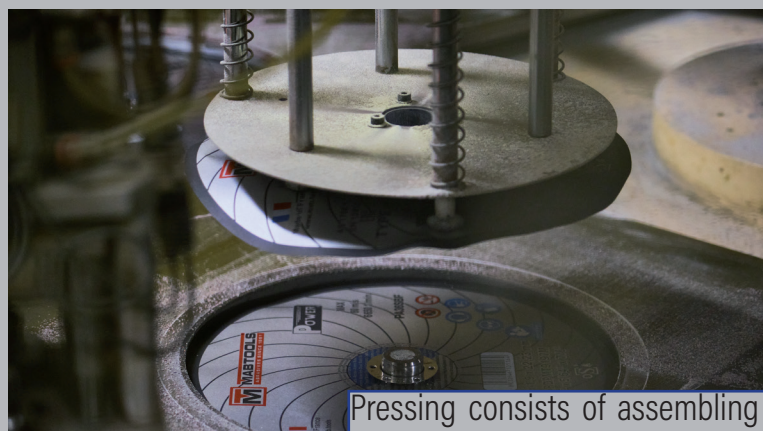
P40



51019



Cotton-synthetic mix cloth belt with zirconium oxyde



Pressing

Pressing consists of assembling the various components of the disc. Sandwiches of fibreglass cloth and abrasive compound are pressed using special pneumatic presses, numerically or manually controlled, with the addition of the label, which contains all the important information, such as the manufacturer, the reference standard and the obligation and prohibition pictograms.

Mastering mix compression is the keystone of pressing operation. Indeed the density of the discs has a very strong impact on their behavior, this density is adjusted so as to make the right compromise between the wear of the disc, the power of the machine and the removal of material.

**HOW
ARE
ABRASIVE DISCS
MADE?**



BA050100A060X

50x1000 mm P60

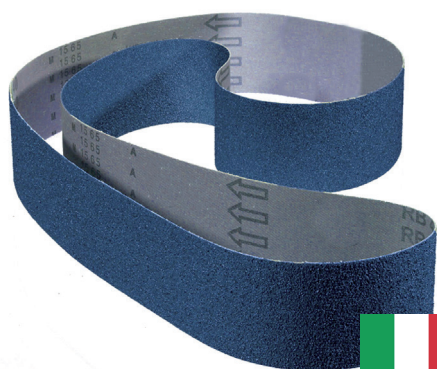
Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



51026



10



BA050100Z060X

50x1000 mm P60

Cotton-synthetic mix cloth belt with zirconium oxide



51033

10



BA100100A060X

100x1000 mm P60

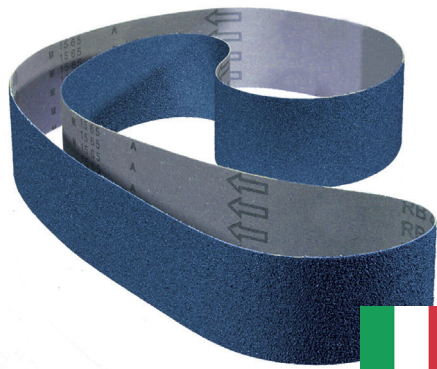
Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



51040



10



BA100100Z040X

100x1000 mm P40

Cotton-synthetic mix cloth belt with zirconium oxide



51057



10



PRODOTTO IN ITALIA

BA100100S036Z

100x1000 mm P36



51064



10

Synthetic stiff cloth belt with high performance ceramic grit



PRODOTTO IN ITALIA

BA100122A060X

100x1220 mm P60

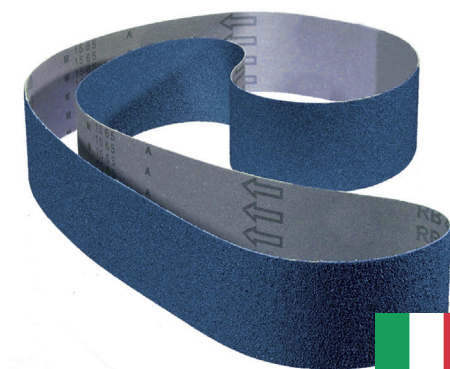


51071



10

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



PRODOTTO IN ITALIA

BA100122Z036X

100x1220 mm P36



51088



10

Cotton-synthetic mix cloth belt with zirconium oxide



PRODOTTO IN ITALIA

BA150122A060X

150x1220 mm P80

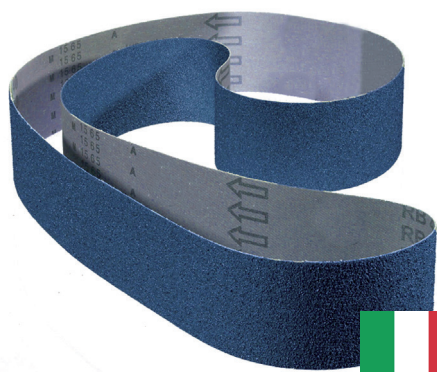


51255



10

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



BA040148Z024X

40x1480 mm P24

Cotton-synthetic mix cloth belt with zirconium oxyde

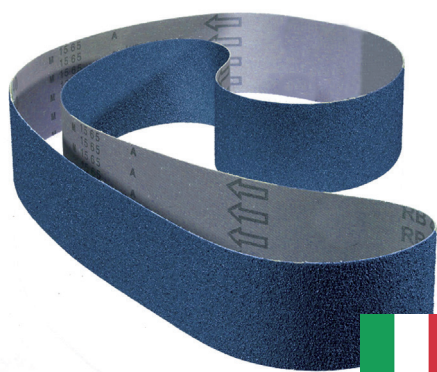


INOX

51095



10



BA100148Z024X

100x1480 mm P24

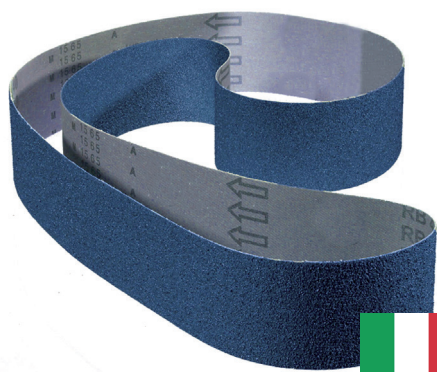
Cotton-synthetic mix cloth belt with zirconium oxyde



INOX

51101

10



BA040165Z024X

40x1650 mm P24

Cotton-synthetic mix cloth belt with zirconium oxyde



INOX

51118



10

DID YOU KNOW?

A statue of a Scythian slave, called "The Grinder", in the Uffizi Gallery in Florence, shows an irregularly shaped natural whetstone used to sharpen a knife.



BA050175A060X

50x1750 mm

P60



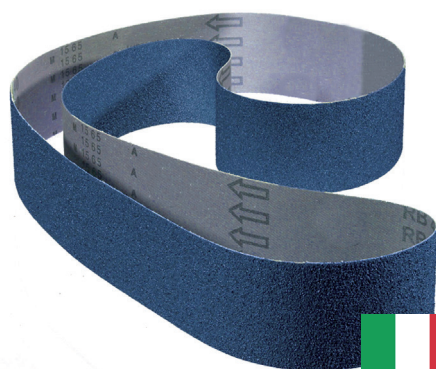
ACIER

50517



10

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



BA050175Z060X

50x1750 mm

P60



INOX

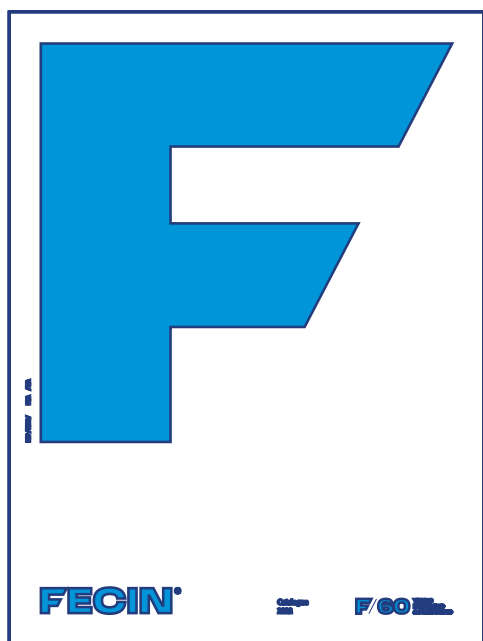
51125



10

Cotton-synthetic mix cloth belt with zirconium oxide

MAB.tools distribue en France les brosses FECIN



**Demandez-nous
le catalogue!**





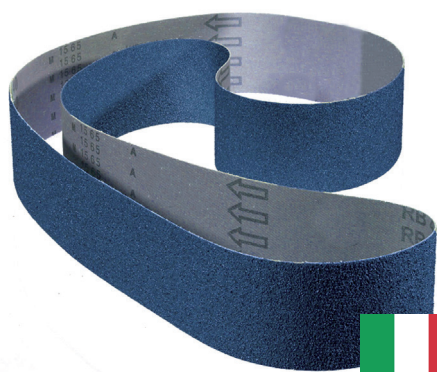
BA050200A060X

50x2000 mm P60

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



51132



BA050200Z040X

50x2000 mm P40

Cotton-synthetic mix cloth belt with zirconium oxyde



51149

10



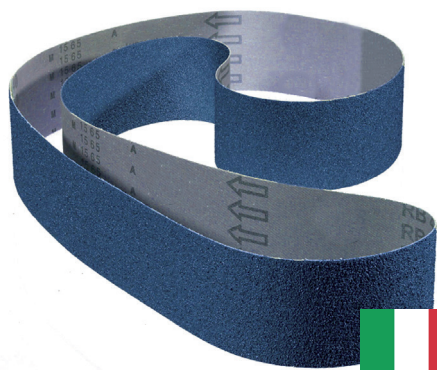
BA075200A060X

75x2000 mm P60

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



50524



BA075200Z040X

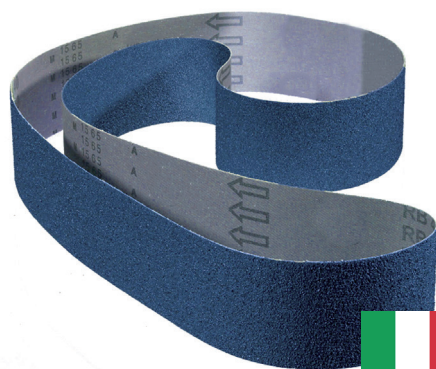
75x2000 mm P40

Cotton-synthetic mix cloth belt with zirconium oxyde



50531





BA050250Z040X

50x2500 mm

P40



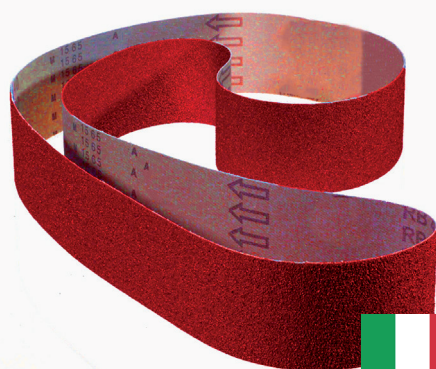
INOX

51156



10

Cotton-synthetic mix cloth belt with zirconium oxide



BA075200S036Z

75x2000 mm

P36



INOX

51163



10

Synthetic stiff cloth belt with high performance ceramic grit



BA150200A060X

150x2000 mm

P60



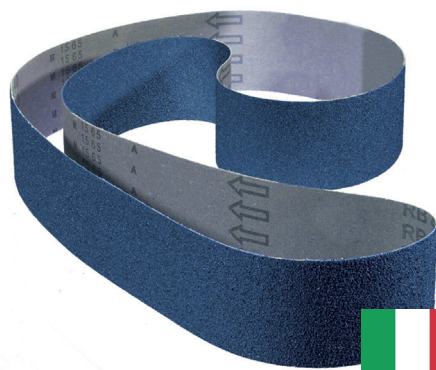
ACIER

51170



10

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



BA150200Z040X

150x2000 mm

P40



INOX

51187



10

Cotton-synthetic mix cloth belt with zirconium oxide




 PRODOTTO IN ITALIA

BA075250A060X

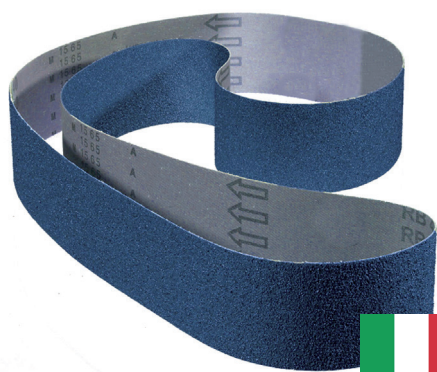
75x2500 mm P60

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



ACIER

51194




 PRODOTTO IN ITALIA

BA075250Z040X

75x2500 mm P40

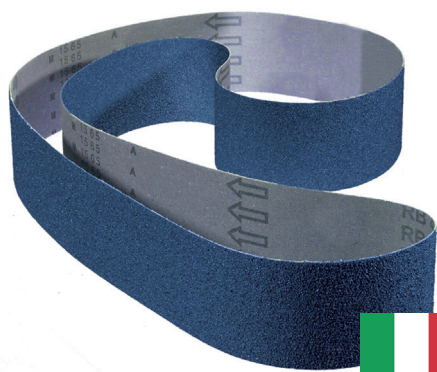
Cotton-synthetic mix cloth belt with zirconium oxide



INOX

51200

10




 PRODOTTO IN ITALIA

BA100250Z060X

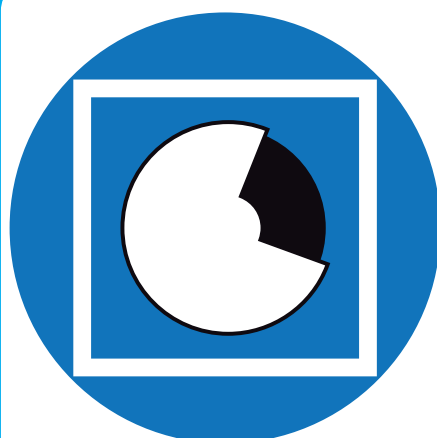
100x2500 mm P60

Cotton-synthetic mix cloth belt with zirconium oxide



INOX

51217



**WHAT IS THAT
 ALL ABOUT?**

**Only permitted for
 totally. enclosed working
 areas**



BA050400A008X

50x4000 mm P80



51224



Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



BA075400A060X

75x4000 mm P60



50548



Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product



6

Stacking

After pressing, the discs are stacked; an aluminum plate is inserted between one disc and the other which, thanks to its excellent thermal conductivity, will help to obtain an even curing of the disc. This plate also has a modeling role, because the disc loses all rigidity as the temperature rises.

**HOW
ARE
ABRASIVE DISCS
MADE?**




PRODOTTO IN ITALIA

BA930190A120X

930x1900 mm P120



51231



Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product




PRODOTTO IN ITALIA

BA380190A120X

1380x1900 mm P120



51248

5

Corundum semi-synthetic cloth belt for grinding and finishing, polyvalent product





PRODOTTO IN ITALIA

POWER

RLPM3010AA0606

30x10 mm

P60

ACIER

35452



The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.

**RANGES
MAB**

Xforce

The Xforce Range is made up of superior quality products. These are extremely technical tools for professional use, developed thanks to a constant search for innovation and manufactured with the best technological solutions and with a contribution of zirconium dioxide for better aggressiveness. For professional applications on steels and stainless steels.



PRODOTTO IN ITALIA

POWER

RLPM4015AA0606

40x15 mm

P60

ACIER

35391



The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.



**WHAT IS THAT
ALL ABOUT?**

**Not suitable for
wet grinding or cutting
(ISO 7010)**



PRODOTTO IN ITALIA

POWER

RLPM4030AA0606

40x30 mm

P60

ACIER

54584

10

The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.



PRODOTTO IN ITALIA

POWER

RLPM4030AAC0A6

40x30 mm

coarse

ACIER

54829

10

The PLUS of a a high quality non-woven fabric for polishing or satin finishes

DID YOU KNOW?

Desiccated sharkskin, also known as stingray, was used to smooth and polish wood due to its rough and abrasive properties.



PRODOTTO IN ITALIA

POWER

RLPM5030AA0606

50x30 mm

P60

ACIER

54836

10

The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.



PRODOTTO IN ITALIA

POWER

RLPM6015AA0406

60x15 mm

P40

ACIER

54843



The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.



PRODOTTO IN ITALIA

POWER

RLPM6015AA0606

60x15 mm

P60

ACIER

54850



The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.



PRODOTTO IN ITALIA

POWER

RLPM6015AA1206

60x15 mm

P120

ACIER

54874



The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.



**WHAT IS THAT
ALL ABOUT?**

**Wear dust mask
(ISO 7010)**



PRODOTTO IN ITALIA

POWER

RLPM6030AA0406

60x30 mm

P40

ACIER

54881

10

The PLUS of an X weight cotton cloth very strong and flexible for sanding and finishing any surface.



PRODOTTO IN ITALIA

POWER

RLPM6030AAC0A6

60x30 mm

coarse

ACIER

54935

10

The PLUS of a high quality non-woven fabric for polishing or satin finishes



7

Polimerization

**HOW
ARE
ABRASIVE DISCS
MADE?**

Polimerization takes place between 180°C and 200 °C depending on the disc. It is an essential part of the manufacturing process. Depending on the degree of polymerization, the disc will be more or less hard.

Curing varies from 24 to 72 hours, and follows a different temperature curve depending on the mix, the thickness and the use for which the discs will be used.

During curing, the oven is ventilated to provide a supply of oxygen essential for polymerization; moreover, the air is agitated to homogenize the temperature inside the chamber as much as possible.



PRODOTTO IN ITALIA

POWER

RLPM8030AACOA6

80x30 mm

coarse

ACIER

32468



The PLUS of a high quality non-woven fabric for polishing or satin finishes



PRODOTTO IN ITALIA

POWER

RLPM8050AA15F6

80x50 mm

P150 and
fine

ACIER

32611



The PLUS of a cotton cloth coupled with a non-woven fabric for sanding and finishing surfaces.



PRODOTTO IN ITALIA

POWER

RLPM8050AACOA6

80x50 mm

coarse

ACIER

32635



The PLUS of a high quality non-woven fabric for polishing or satin finishes

**RANGES
MAB**

r.Evolution^{3.0}

r-Evolution range is composed of raw materials of excellence from the latest technology.

These are discs specifically developed for extreme uses.

Innovation, research and testing were the key words that led our engineers to develop this exceptional disc for cutting steel and stainless steel.




 PRODOTTO IN ITALIA



RANMT1110AFINM

115 mm x 10 m fine



39146



Quality finish PLUS longevity for manual sanding and corrosion removal.




 PRODOTTO IN ITALIA



RANMT1110AVFNM

115 mm x 10 m very fine



39078

1

Quality finish PLUS longevity for manual sanding and corrosion removal.




 PRODOTTO IN ITALIA



RANMT1110CUFNM

115 mm x 10 m ultra fine



38019

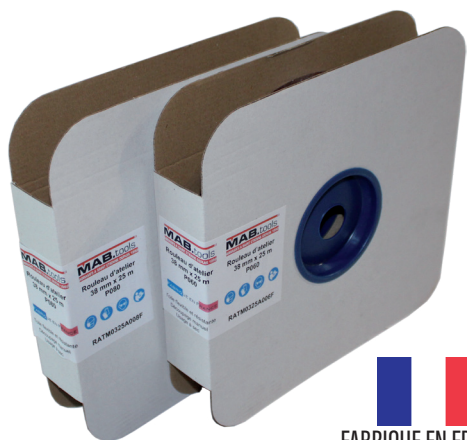


Quality finish PLUS longevity for manual sanding and corrosion removal.



**WHAT IS THAT
 ALL ABOUT?**

Only suitable for face grinding with an angle greater than 10°.




FABRIQUE EN FRANCE

POWER

RATMT0325A004F

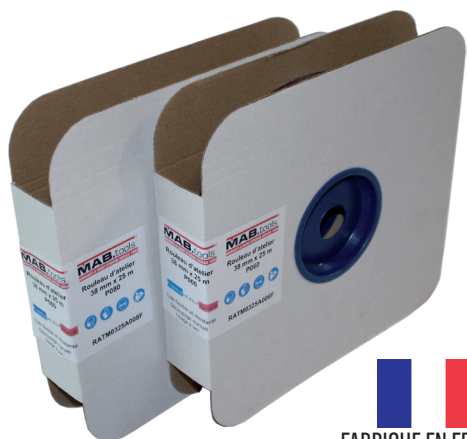
38 mm x 25 m P40

 **ACIER**

37593



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth




FABRIQUE EN FRANCE

POWER

RATMT0325A006F

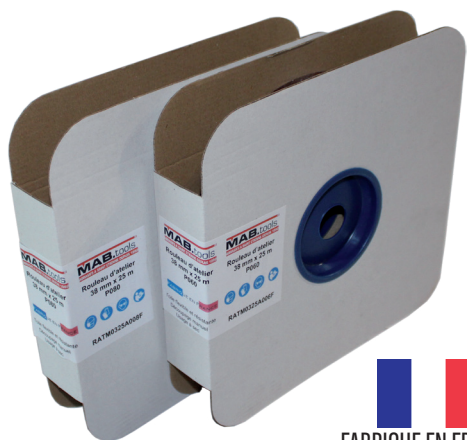
38 mm x 25 m P60

 **ACIER**

35346



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth




FABRIQUE EN FRANCE

POWER

RATMT0325A008F

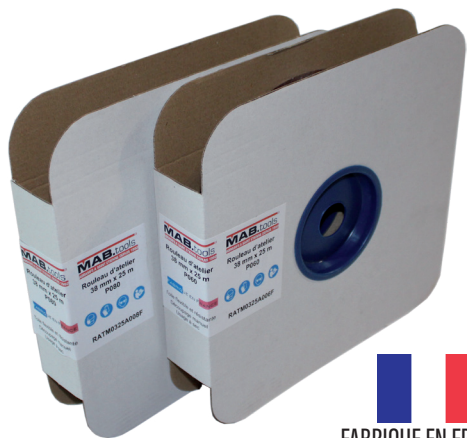
38 mm x 25 m P80

 **ACIER**

50791



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth




FABRIQUE EN FRANCE

POWER

RATMT0325A010F

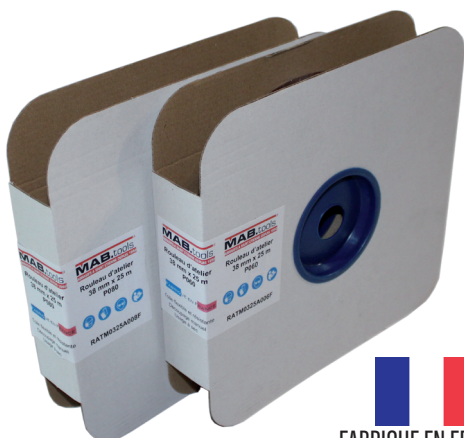
38 mm x 25 m P100

 **ACIER**

50807



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth




FABRIQUE EN FRANCE

POWER

RATMT0325A012F

38 mm x 25 m

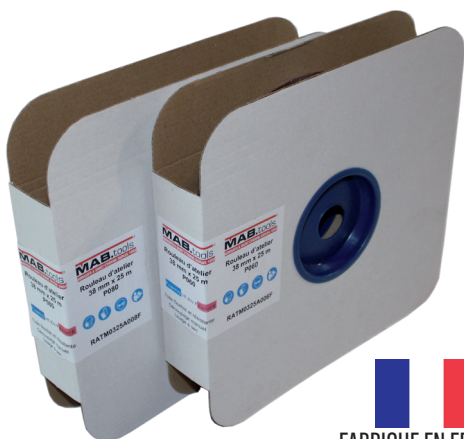
P120

 **ACIER**

50814



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth




FABRIQUE EN FRANCE

POWER

RATMT0325A015F

38 mm x 25 m

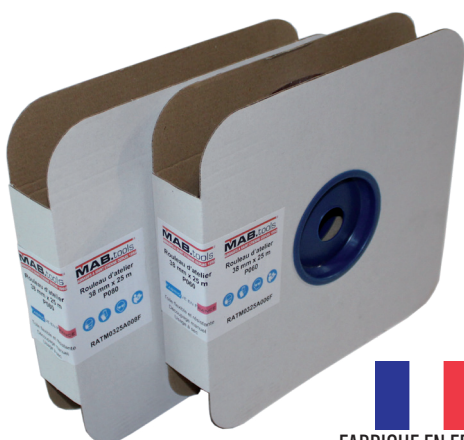
P150

 **ACIER**

37524

1

The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth




FABRIQUE EN FRANCE

POWER

RATMT0325A018F

38 mm x 25 m

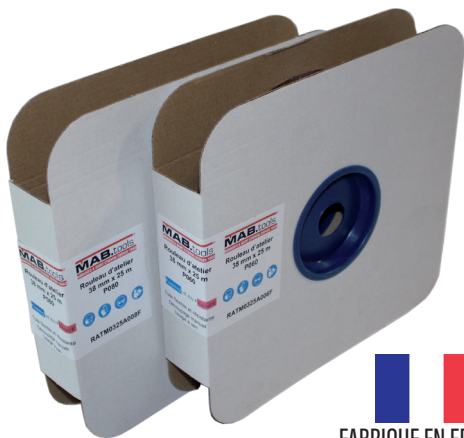
P180

 **ACIER**

50821



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth




FABRIQUE EN FRANCE

POWER

RATMT0325A022F

38 mm x 25 m

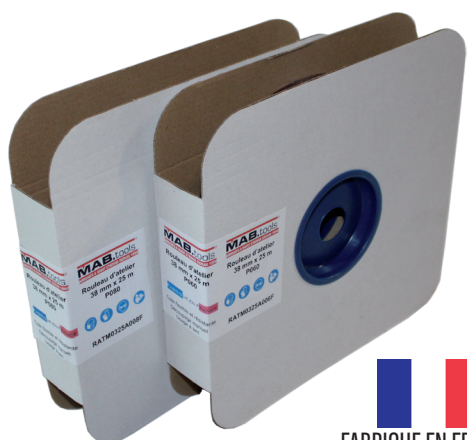
P220

 **ACIER**

50838



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth



POWER

RATMT0325A032F

38 mm x 25 m P320

ACIER

35933



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth



POWER

RATMT0325A040F

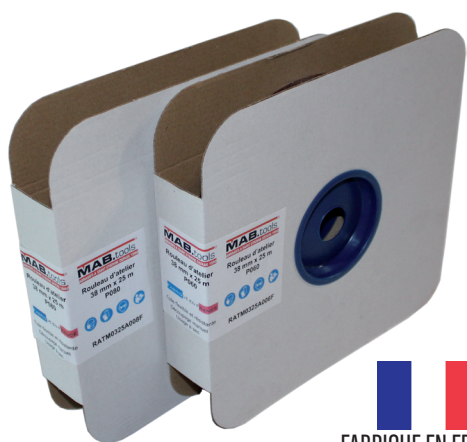
38 mm x 25 m P400

ACIER

35926



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth



POWER

RATMT0325A080F

38 mm x 25 m P800

ACIER

32499



The PLUS of this vital corundum product: really stiff and flexible waterproof cotton cloth



Abrasivessafety.com is committed to provide do-it-yourselfers and professional end users of abrasive tools and machines with advice on how to use these products safely and avoid accidents that can be very serious.

Abrasives safety intends to give you information on the safe use of abrasives according to European standards.



DDPMT57C

125 x 2,2 x 22,23 mm



37951



For reinforced concrete cutting with the PLUS of 10 segments 10 mm high



DDPMT97C

230 x 2,4 x 22,23 mm



37968

1

For reinforced concrete cutting with the PLUS of 16 segments 10 mm high



DDPMT57P

125 x 2 x 22,23 mm



37982



For concrete cutting with the PLUS of a continuous uniform rim 10 mm high



**WHAT IS THAT
ALL ABOUT?**

Only suitable for face grinding with an angle greater than 10°.



DDPPMT57Z

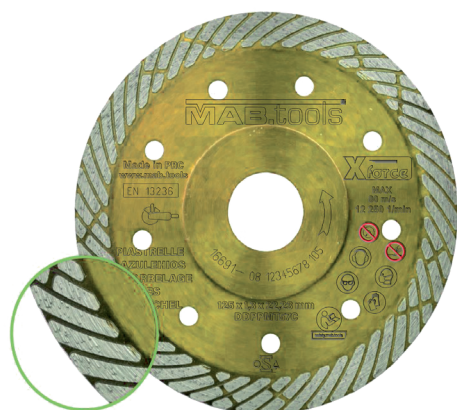
125 x 1,6 x 22,23 mm



36886



For floor tiles cutting with the PLUS of a continuous turbo rim 7 mm high



DDPXMT57Z

125 x 1,4 x 22,23 mm



35575



The EXCELLENCE of a premium disc for cutting even the hardest tiles quickly without splintering thanks to a crown just 1.4 mm thick



Destacking

After curing, the discs are removed from the piles on which they were placed for curing and gathered in piles of 25. This operation is called "destacking", and consists of separating the discs from the aluminum plates. During this operation a first visual check is carried out.

**HOW
ARE
ABRASIVE DISCS
MADE?**



DCPEMT57C

125 x 7 x 22,23 mm



BETON

39702



1

An ESSENTIAL cup with 20 segments 5 mm wide on double row



DCPEMT77C

180 x 7 x 22,23 mm



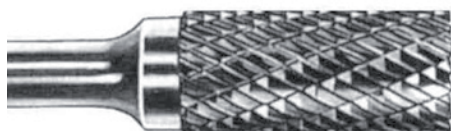
BETON

39719

1

An ESSENTIAL cup with 28 segments 5 mm wide on double row





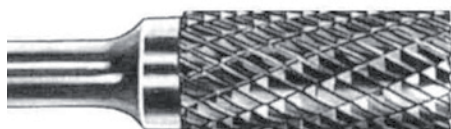
FLA12256C

12x25 mm Double cut

52696



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape A cylinder, no end cut



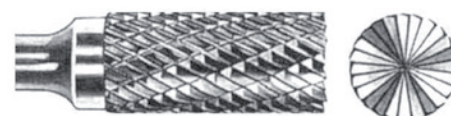
FLA16256C

16x25 mm Double cut

52702



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape A cylinder, no end cut



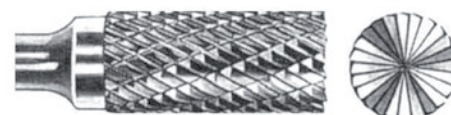
FLB08206C

8x20 mm Double cut

54645



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape B cylinder, end cut



FLB09196C

9x19 mm Double cut

54652



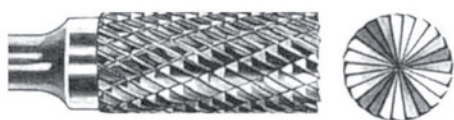
The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape B cylinder, end cut



FLB12256C

52719

12x25 mm Double cut



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape B cylinder, end cut



FLC06166C

57325

6x16 mm Double cut

1



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape C ball nose cylinder



FLC08196C

57363

8x19 mm Double cut



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape C ball nose cylinder



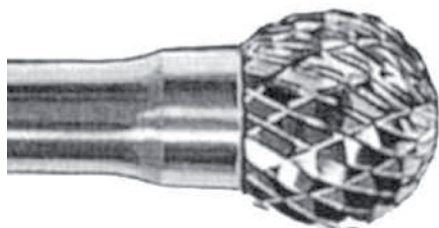
FLC09196C

54669

9x19 mm Double cut



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape C ball nose cylinder



POWER

FLD12116C

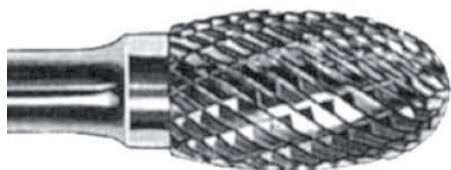
12x11 mm Double cut

I ACIER

52733



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape D ball



POWER

FLE12226C

12x22 mm Double cut

I ACIER

52740



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape E oval

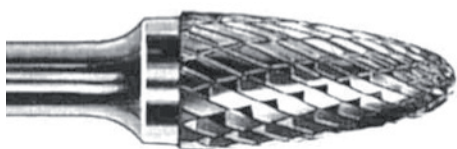


9

Safety and quality check

All abrasive discs manufacturers following ISO EN 12413 standard carry out two destructive burst tests on each batch, in addition to visual inspections and controls during production. A first test is carried out under the effect of a centrifugal force and a second under the effect of a lateral force applied by means of a wheel or a hammer. The first test is the most important for grinding discs, while the second test is essential for cutting discs. In addition, oSa-certified manufacturers (such as MAB.tools) guarantee the quality and safety of their products through independent testing. Some manufacturers (including MAB.tools) carry out performance tests on production batches consisting in characterizing the performance of the disc by field tests that are as representative as possible of the final application.

**HOW
ARE
ABRASIVE DISCS
MADE?**



FLF08206C

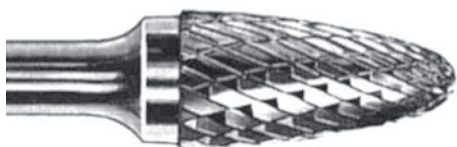
8x20 mm Double cut



54676



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape F ball nosed tree



FLF12256C

12x25 mm Double cut



52757

1

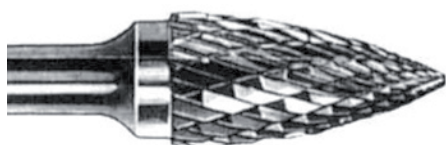
The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape F ball nosed tree

MAB.tools distribue en France les meules SAIDTOOLS



**Demandez-nous
le catalogue!**





FLG12256C

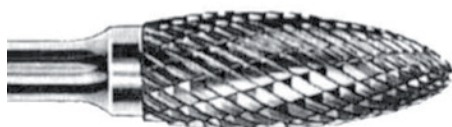
12x25 mm Double cut



52764



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape G tree



FLH12326C

12x32 mm Double cut



52771



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape H flame



FLL12386C

13x38 mm Double cut



54683



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape F ball nosed cylinder

DID YOU KNOW?

Abrasives are also used for cutting frozen fish into fish sticks, grinding animal gut sutures and guitar strings to consistent diameters and grinding round toothpicks.



FLM12226C

12x22 mm Double cut

52795



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape M cone



FLN12136C

12x13 mm Double cut

52801

1



The PLUS of a high quality tungsten carbide rotary burr, 6 mm shaft, shape N inverted cone



10

Packaging and stocking

Packing is handmade, discs are put in boxes by 10, 25 or 50. These boxes are then put on pallets and dispatched to customers.

Average stocking time goes from some weeks up to 3 years (maximum allowed period of use for abrasive discs).

HOW ARE ABRASIVE DISCS MADE?

