





LEOMA DIAMANT

Unelte super-abrazive din diamant si borazon®

Superabrasives Diamond and Borazon® tools

CATALOG

2009-2010

LEOMA DIAMANT produce si proiecteaza din 1982 instrumente super-abrazive din Diamant si CBN (Borazon®) cu liant galvanic (electrodepuse) rasina pentru industria mecanica de precizie, aereospatiala, automobilistica, nautica, pentru sectoarele de prelucrare a sticla si a pietrei.

Dispunem de o gama vasta de instrumente standard gata pentru a fi livrate (pietre abrazive cu coada 3mm si 6mm, pile, discuri pentru taiat, pietre abrazive cu coada modele diverse) si realizam in timp scurt instrumente speciale pe baza modelului dvs. sau le proiectam in functie de exigentele dvs..

in mod cat mai fidel fata de caracteristicile originale.
Sistemul nostru de productie ne permite sa efectuam reaplicari de diamant de la diametre mici (0,5/1 mm) la diametre mari (max diam 1000mm).
Cu noua tehnologie AVT (Advanced Vacuum Technology) realizam unelte de performanta pentru cele mai variate aplicatii.

LEOMA DIAMANT srl produces and plans from the 1982 superabrasives tools in Diamond and CBN (Borazon®) electroplated and resin bond for the mechanical industry of precision, aerospace, automotive, nautical, for the composites and similar processing, plastic reinforced and glass-reinforced plastics processing and stone processing too.

We also have a large range of standards tools in ready delivery (grinding wheels shank 3mm and 6mm, files, cutting discs) and realize in short times special tools on your design or we plan them based on your requirements.

We can also replate used tools and restore them to as close to the original specifications as is possible.
With our flexible manufacturing platform we can produce the widest variety of styles and sizes to meet your abrasive tooling needs, from small diameter 0,5/1 mm up to big diameter of 1000mm.
With new technology AVT (Advanced Vacuum Technology) we can realize exceptional performances tools for the varied applications.



















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DISPONIBILITATEA ARTICOLELOR N.B.: Disponibilitatile au un caracter strict orientativ si nu sunt in nici un caz obligatorii.	**STOC**	***AVALAIBILITY OF THE TOOLS*** *N.B.: Avalaibility is indicative, not binding in any case*
Articol disponibil in magazie	✸	*Ready on stock*
Articol disponibil in 8/10 zile lucratoare	✸	*Disposable in about 8/10 working days*
Articol realizat la cerere	✸	*Build on request*

NORME DE SIGURANTA

Inainte de a folosi uneltele superabrazive, asigurati-va ca utilajele pe care sunt folosite sunt prevazute cu dispozitive adecvate de protectie (carter, protectii, etc.) prevazute de Lege. Purtati intotdeauna dispozitivele individuale de protectie (D.P.I.) prevazute de Lege. LEOMA DIAMANT S.r.l. declina orice raspundere pentru eventualele daune provocate persoanelor si/sau lucrurilor din cauza nerespectarii legislatiei in vigoare in materie de igiena si siguranta la locul de munca.

SAFETY RULES

Before using superabrasives tools be sure that the machines that are used are equipped with the appropriate accident prevention repair (housings, guards, etc..) provided by law. Always wear the equipment of individual protection (PPE) required by law. LEOMA DIAMANT Srl disclaims any and all liability for any damage to persons and/or property caused by the non-observance of industrial injury legislation.



NOTE

- Se realizeaza unelte speciale pe baza schitei Clientului (dimensiuni max. diam. 1000 mm).
- Pentru detalii complexe sau scumpe, sau in orice caz avantajoase pentru Client, se efectueaza indepartarea depunerii si acoperirea ulterioara fara deteriorarea suportului (rediamantare).
- Personalul nostru tehnic este la dispozitia dvs. pentru studiera si realizarea de unelte speciale adaptate exigentelor dvs. specifice.

NOTES

- *We can produce custom-made tools on requirement or by draw (max dim. diameter 1000 mm).*
- *We can "strip" the Diamond layer and re-plate the Diamond, without damage for the core of particular tools to ricover it.*
- *We're at your disposal to plan and create new tools as you need.*

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MATERIALELE SUPERABRAZIVE
SUPERABRASIVES

Asa-numitele materiale superabrazive sunt:
- **Diamantul**
- **CBN (Borazon®)**, nitrura cubica de bor

Atributul de " superabraziv " deriva din faptul ca duritatea este in mod decis superioara celei a materialelor abrazive traditionale, precum corindonul, carbura de siliciu, etc.
Diamantul are duritatea 10 pe scara lui Mohs, iar CBN-ul este usor inferioara. Pe scara lui Knoop Diamantul are duritatea de peste 8500 Kg/mm^2 aprox., iar cea a CBN-ului de peste 4500 Kg/mm2
Exista diverse tipuri de **Diamant** , incepand de la cel prezent in natura, si deci numit "Diamant natural", pana la tipuri din ce in ce mai diferite care sunt produse in mod industrial, numite "Diamante sintetice".
CBN-ul in schimb, nu exista in natura: este produs doar in mod industrial.

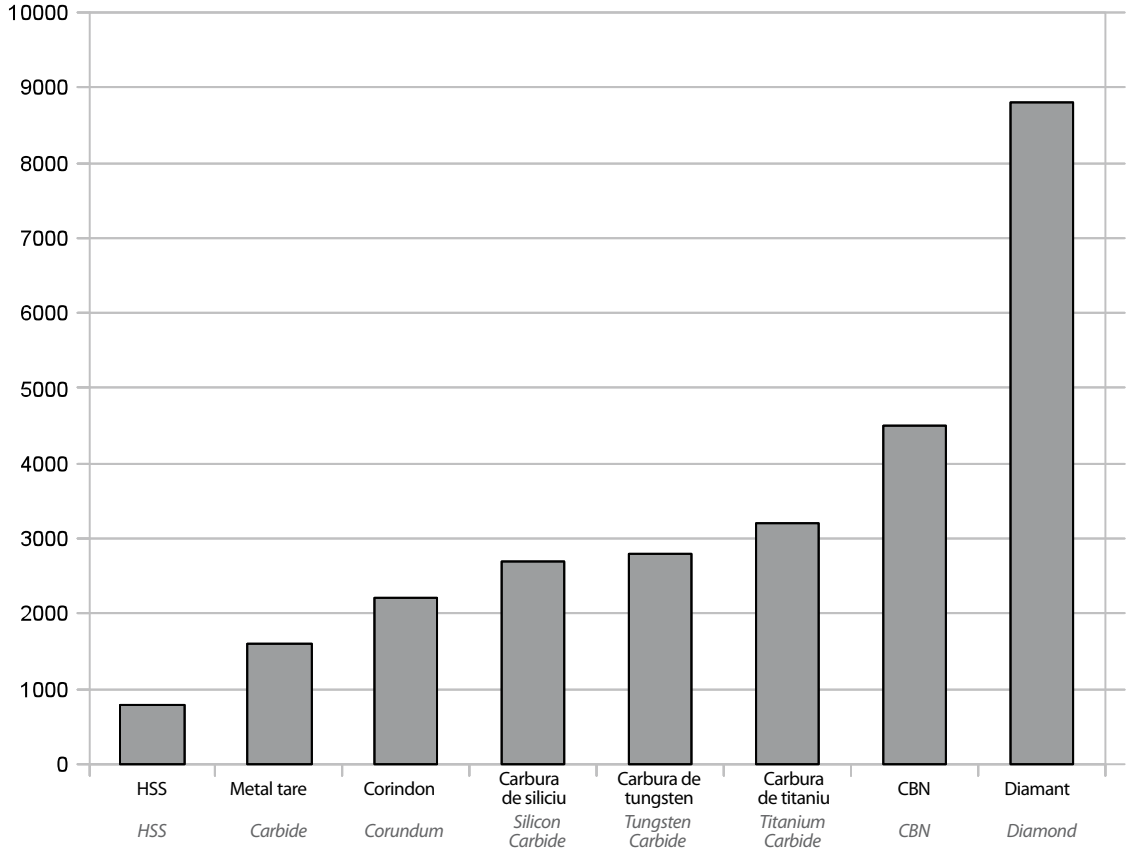
Productia consta in aplicarea de presiuni elevate la temperaturi inalte carbonului pur, care se transforma astfel in Diamant, sau borului si azotului, care se transforma in Nitrura cubica de Bor. Diferitele conditii de sinterizare aplicate, permit producerea de produse superabrazive cu diferite caracteristici de taiere si de friabilitate.

Superabrasives materials are:
- ***Diamond***
- ***CBN (Borazon®)**, cubic boron nitride*

The assignment of "superabrasives" derives from the fact that their hardness is significantly higher than all other conventional abrasives, such as corundum, carbide silicon, etc. The Diamond has hardness 10 in the Mohs scale, the CBN is slightly lower. In the scale of "Knoop hardness", the Diamond has over 8500 Kg/mm^2, the CBN more than 4500 Kg / mm^2.
*There are different types of **Diamond**: when it's naturally occurring, it's called "natural Diamond". Other different varieties are produced industrially, and called "synthetic Diamond".*
*The **CBN** does not exist in nature: it's only produced industrially.*

The production consist to apply very high pressures at high temperatures to pure carbon, which then turns into Diamond, or to nitrogen and Boro, which are transformed in cubic boron nitride. The different sintering conditions applied can produce superabrasives with different characteristics about cutting and friability.

TABEL DURITATE KNOOP *KNOOP HARDNESS TABLE*



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DIAMANT

Datorita duritatii sale enorme, Diamantul este indicat mai ales pentru prelucrarea urmatoarelor materiale:
- Toate tipurile de metal tare
- Ceramica tehnica (cermets)
- Materiale oxiceramice si neoxiceramice
- Materiale abrazive in general
- Materiale sintetice armate cu fibre (fibra de sticla, fibre de carbon)
- Materiale compozite
- PCD / PCB
- Safir / sticla
- Ferita / Grafit
- Aliaje neferoase cu duritate superioara de aprox. 45 Hrc
- Pietre pretioase si semipretioase
- Marmura, travertin, granit si pietre de constructie

Otelul are o mare afinitate pentru carbon si deaorece Diamantul este alcatuit din carbon pur, nu este indicat pentru prelucrarea otelului. De fapt in punctul de contact al particulei de Diamant cu materialul de prelucrat se ating temperaturi elevate, iar otelul sustrage Diamantului atomi de carbon. Acest lucru cauzeaza distrugerea particulei de Diamant, care se transforma in grafit modificandu-si starea cristalina.
In prelucrarea materialelor feroase se utilizeaza CBN-ul.

DIAMOND

Thanks to its enormous hardness, Diamond is used mainly for machining the following materials:
- *All types of carbide*
- *Technical ceramics (cermets)*
- *Ossiceramic and not ossiceramic materials*
- *Abrasives materials*
- *Reinforced fibers synthetic materials (fiberglass, carbon fiber)*
- *Composites*
- *PCD / PCB*
- *Sapphire / glass*
- *Ferrite / Graphite*
- *Ferrous alloys hardness greater than about 45 Hrc*
- *Gemstones and semi-precious stones*
- *Marble, travertine, granite, construction stones*

The steel has a great affinity with carbon, and since the Diamond is composed of pure carbon, is not suitable for machining steel. In fact the point of contact between the grain of the Diamond and the working material can reach high temperatures, and steel subtracts the Diamond carbon atoms. This causes the destruction of the grain of Diamond, which is transformed into graphite.
In the machining of ferrous materials shall be used the CBN.

CBN (nitrura cubica de bor)

CBN-ul este alcatuit din elementele bor si azot. In CBN nu este prezent nici un atom de carbon iar acest lucru, spre deosebire de Diamant, il face potrivit pentru prelucrarea otelului.
Cu CBN este posibila prelucrarea urmatoarelor materiale:

- oteluri calite incepand de la o duritate de ca. 54 Hrc
- HSS (otel rapid)
- Stelit
- Superaliaje pe baza de nichel

CBN se bucura de un avantaj considerabil fata de Diamant in termeni de stabilitate termica. In timp ce Diamantul la circa 700°C prezinta o pierdere considerabila de duritate, CBN-ul isi pastreaza aproape nemodificata duritatea chiar si peste 1000°C, si prin urmare poate fi folosit in conditii mult mai severe.

CBN (cubic boron nitride)

The CBN is made up of the elements boron and nitrogen. In the CBN does not have an atom of carbon and that, unlike the Diamond, making it suitable for machining.
The CBN is possible to work the following materials:

- *Tempered steels at hardness of approx. 54 Hrc and more*
- *HSS (High Speed Steel)*
- *Stellite*
- *Superalloys based on nickel*

The CBN has a considerable advantage compared to Diamond in terms of thermal stability. While the Diamond at about 700°C presents a considerable loss of hardness, CBN remains almost unchanged its hardness to more than 1000°C, and therefore can be used in a much more hard conditions.

GRANULATIE

Granulatia materialelor superabrazive este clasificata in functie de standardul FEPA *(Federatia Europeana a Producatorilor de Abrazivi)* Numarul care identifica granulatia este indicele largimii nominale a ochilor sitei si indica aproximativ diametrul unei singure particule exprimat in micron (miimi de milimetru). Prin urmare, un numar mare defineste o granulatie mare, si invers (Tab. 1).
Uneltele produse de catre ***Leoma Diamant srl*** respecta clasificarea FEPA, pozitionand in fata numarului care indica granulatia, litera"D"in cazul uneltelor din Diamant (ex. D427), de litera "B" in cazul celor din CBN (ex. B76). Dimensiunea particulelor determina considerabil eficienta de indepartare a uneltelor abrazive si mai ales calitatea suprafetei obtinute in piesa prelucrata. In principiu, particulele mai mari permit obtinerea unei indepartari mai mari, dar penalizeaza calitatea finisarii suprafetei.
Cu particulele mai mici se obtin suprafete de calitate mai buna, dar cu o eficienta redusa de indepartare. Aceste rezultate opuse referitoare la suprafete implica de multe ori necesitatea de a efectua o operatiune de degrosare si una de finisare in numeroase procese de rectificare.

CRESTERILE

Aplicarea de particule abrazive pe suprafata suportului implica o variatie a cotelor de care este necesar sa se tina seama in constructia produselor semifabricate pentru a obtine un produs "finit" cu dimensiunile dorite.
Tab. 2 prezinta, in scop indicativ, aceste informatii.

RUGOZITATEA

In Tab. 3 se prezinta valorile indicative ale rugozitatii obtinute cu diferite granulometrii in prelucrarea de rectificare cilindrica a otelului.

RACIREA

Este permisa utilizare uscata a uneltelor superabrazive, atat timp cat aveti grija sa permiteti din cand in cand racirea uneltei punand-o in functiune in gol. Totusi, utilizarea unui agent refrigerant adecvat, prelungeste viata uneltei si permite deseori obtinerea celor mai bune rezultate in ceea ce priveste finisarea. Intr-un astfel de caz, pentru a obtine cele mai bune rezultate se recomanda folosirea urmatorilor agenti refrigeranti:

- pentru Diamant, apa cu adaugarea de antioxidanti
- pentru CBN, ulei sulfoclorurat sau produse fara apa

TAB 1

FEPA	ISO standard deschidere site *sieves opening* (micron)	USA (mesh)
D1181	1190/1000	16/18
D1001	1000/840	18/20
D851	840/710	20/35
D711	710/590	25/30
D601	590/500	30/35
D501	500/420	35/40
D427	425/300	40/50
D356	355/300	45/50
D301	300/250	50/60
D252	250/180	60/80
D213	21/180	70/80
D181	180/150	80/100
D151	150/125	100/120
D126	125/106	120/140
D107	106/90	140/170
D91	90/75	170/200
D76	75/63	200/230
D64	63/45	230/270
D54	53/45	270/325
D46	45/38	325/400

TAB 2

GRANUL. FEPA *FEPA GRIT SIZE*	Grosimea stratului electrodepus *Thickness of electroplated layer*	Cresterea diametrului *Diameter increase*
46	0,075	0,15
54	0,09	0,18
76	0,1	0,2
91	0,125	0,25
107	0,14	0,28
126	0,18	0,36
151	0,2	0,4
181	0,22	0,44
252	0,28	0,56
301	0,35	0,7
427	0,5	1
501	0,6	1,2
602	0,75	1,5
711	0,85	1,7

TAB 3

GRANUL. FEPA *FEPA GRIT SIZE*	Rugozitate Ra realizabila *Roughness* mm
252	3,0 – 3,2
181	2,2 – 2,6
151	1,4 – 1,6
126	1,0 – 1,4
91	0,8 – 1,2
76	0,6 – 0,8
54	0,4 – 0,5

GRIT DIMENSION

The thickness of the grains of superabrasives is classified under the law FEPA (Federation of European Producers of Abrasives). *The number that identifies the grit size is an indication of the breadth of nominal mesh sieve, and indicate roughly the diameter of each grain measured in microns (thousandths of a millimeter). So a high number defines a coarse grit size, and vice-versa (Tab. 1).*
The tools produced by **Leoma Diamant srl** *follow the classification of the FEPA, preceded the number indicating the grain by the letter "D" in the case of Diamond tools (example D427), the letter "B" in case of CBN tools (example B76). The size of the grain greatly determines the efficiency of removal of abrasive tools and especially the surface quality achievable in the workpiece. In general, with coarse grit size we obtain a higher removal, but penalizing the quality of surface finish. With the fine grit size are obtained good surfaces quality, but with a lower efficiency of removal. Due to these results opposite often need to do an operation of roughing and one of finishing in many processes.*

INCREASES

The application of abrasive grains on the surface of the blank results in a dimensional variation due to the grit size.
This change should be considered in the construction of the blank to get a "finished" in size. The Tab. 2 provides, for example, this information.

ROUGHNESS

The Tab. 3 illustrates the approximates values of the roughness obtained with different grit sizes in the machining of cylindrical grinding of steel.

CUTTING FLUIDS

It's permitted to use dry the superabrasives tools, provided they have the foresight to allow time to time cooling the tool making it turn blank. However, the use of a suitable refrigerant, longer life and often allows for better outcomes in terms of finishing. In this case, for best results, we recommend the use of the following refrigerants:

- *for Diamond water with addition of antioxidants*
- *for CBN sulfo-chlorinated oil or water-free products*

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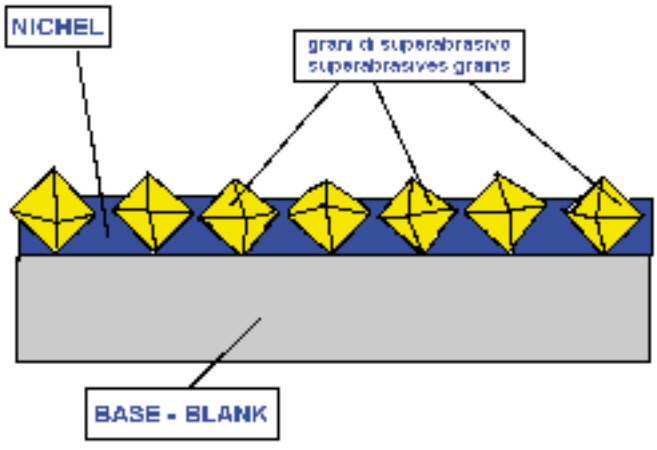
UNELTE ELECTRODEPUSE (LIANT GALVANIC)

ELECTROPLATED TOOLS (GALVANIC BOND)

Uneltele electrodepuse (ED) constau intr-un singur strat de particule de material supraabraziv fixate cu nichel prin galvanizare pe suportul metalic din otel. Grosimea stratului de nichel este in functie de grosimea particulelor, in asa fel incat acestea sa iasa in relief pentru aprox.jumatate din diametrul sau. Particulele sunt retinute prin sudura, dar dat fiind ca ies in mod amplu in relief fata de suprafata uneltei, rezulta a fi foarte agresiv si prevazut cu ample spatii pentru evacuarea "aschiilor".
Profilul uneltelor ED copiaza profilul suportului baza metalic, deoarece exista doar un singur strat de particule. Pentru aceste unelte nu este posibila prin urmare efectuarea de operatiuni de refacere si/sau de rectificare, dar este posibila realizarea de unelte cu profil complex.
Uneltele uzate pot di regenerate cu ajutorul unui proces care permite indepartarea materialului superabraziv consumat fara deteriorarea suportului din otel. Aceasta operatiune rezulta in mod deosebit convenabila in cazul unor unelte complexe si/sau de mari dimensiuni.

Electroplated tools consist in a single layer of superabrasives grains (Diamond or CBN) fixed on the blanck by a nickel galvanic process. The thickness of the layer of nickel depending by the thickness of the grain so that it projects for about half its diameter. The individual grains are firmly held, but partially exposed respect to the tool surface, so it's very aggressive and has ample space for the discharge of the "chip".
The profile of the electroplated tools is totally covered by a single layer of superabrasives grains. For these is not possible to perform operations dressing and/or correction, but is possible create tools with complex profile.
The worn tools can be regenerated with a process that allows removal of superabrasives without alteration of the support steel.
This is especially convenient in the case of complex or big dimensions tools.





PIETRE CILINDRICE PENTRU RECTIFICARE ORIFICII

1A1W

CYLINDRICAL WHEELS FOR INTERNAL GRINDING

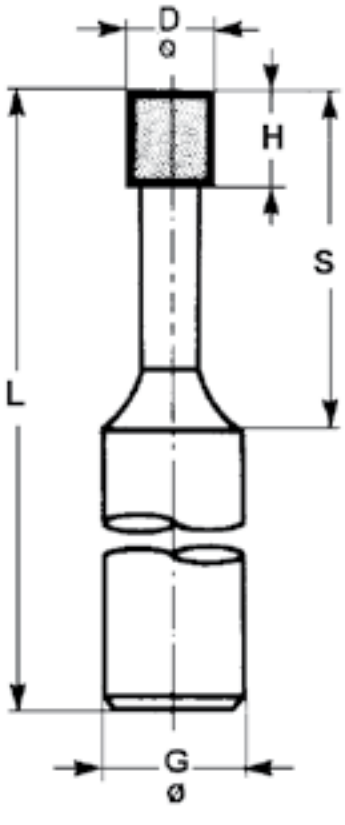
Pietre abrazive electrodepuse din Diamant si CBN. Ax din otel.

Electroplated Diamond & CBN. Steel shank.

FORMA A - *A SHAPE*



coada ø 3 mm - *Ø 3 mm shank*



DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*			CBN (Borazon®)		
Ø D	H	S	L	D126	D76	STOC	B126	B76	STOC
mm									
1	3	10	40	**1A1W-ED001**	**1A1W-ED002**	✹	**1A1W-EB003**	**1A1W-EB003S**	✹
1,25	3,5	12	40	**1A1W-ED004**	**1A1W-ED005**	✹	**1A1W-EB006**	**1A1W-EB006S**	✹
1,5	3,5	12	40	**1A1W-ED007**	**1A1W-ED008**	✹	**1A1W-EB009**	**1A1W-EB009S**	✹
1,75	3,5	12	40	**1A1W-ED010**	**1A1W-ED011**	✹	**1A1W-EB012**	**1A1W-EB012S**	✹
2	4	12	40	**1A1W-ED013**	**1A1W-ED014**	✹	**1A1W-EB015**	**1A1W-EB015S**	✹
2,5	4	16	40	**1A1W-ED019**	**1A1W-ED020**	✹	**1A1W-EB021**	**1A1W-EB021S**	✹
3	5	20	50	**1A1W-ED025**	**1A1W-ED026**	✹	**1A1W-EB027**	**1A1W-EB027S**	✹

coada ø 6 mm - *Ø 6 mm shank*

DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*			CBN (Borazon®)		
Ø D	H	S	L	D126	D76	STOC	B126	B76	STOC
mm									
3	4,5	20	60	**1A1W-ED061**	**1A1W-ED062**	✹	**1A1W-EB063**	**1A1W-EB063S**	✹
3,5	4,5	20	60	**1A1W-ED064**	**1A1W-ED055**	✹	**1A1W-EB066**	**1A1W-EB066S**	✹
4	5,5	30	80	**1A1W-ED067**	**1A1W-ED068**	✹	**1A1W-EB069**	**1A1W-EB069S**	✹
4,5	5,5	30	80	**1A1W-ED450**	**1A1W-ED451**	✹	**1A1W-EB450**	**1A1W-EB450S**	✹
5	6	30	80	**1A1W-ED070**	**1A1W-ED071**	✹	**1A1W-EB072**	**1A1W-EB072S**	✹
6	6,5	30	80	**1A1W-ED073**	**1A1W-ED074**	✹	**1A1W-EB075**	**1A1W-EB075S**	✹

*N.B. Anumite dimensiuni pot varia putin fara preaviz / Some dimensions can be variedwithout notice.

Alte dimensiuni si/sau granulatie sau concentratii la cerere. /Others measures and/or grits or concentrations on request.

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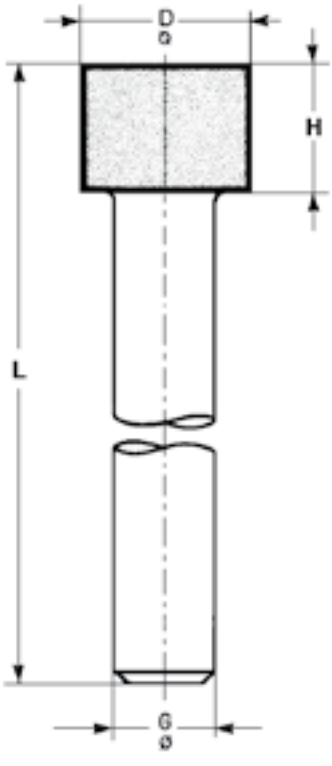
FORMA B - *B SHAPE*



coada ø 3 mm - *Ø 3 mm shank*

DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*			CBN (Borazon®)		
Ø D	H	S	L	D126	D76	STOC	B126	B76	STOC
mm									
3,5	5	--	50	**1A1W-ED101**	**1A1W-ED102**	✹	**1A1W-EB103**	**1A1W-EB103S**	✹
4	5	--	50	**1A1W-ED104**	**1A1W-ED105**	✹	**1A1W-EB106**	**1A1W-EB106S**	✹
4,5	5	--	50	**1A1W-ED107**	**1A1W-ED108**	✹	**1A1W-EB109**	**1A1W-EB109S**	✹
5	5	--	50	**1A1W-ED110**	**1A1W-ED111**	✹	**1A1W-EB112**	**1A1W-EB112S**	✹
6	5	--	50	**1A1W-ED116**	**1A1W-ED117**	✹	**1A1W-EB118**	**1A1W-EB118S**	✹



coada ø 6 mm - *Ø 6 mm shank*

DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*			CBN (Borazon®)		
Ø D	H	S	L	D126	D76	STOC	B126	B76	STOC
mm									
7	7	--	80	**1A1W-ED122**	**1A1W-ED123**	✹	**1A1W-EB124**	**1A1W-EB124S**	✹
8	8	--	80	**1A1W-ED125**	**1A1W-ED126**	✹	**1A1W-EB127**	**1A1W-EB127S**	✹
9	9	--	80	**1A1W-ED128**	**1A1W-ED129**	✹	**1A1W-EB130**	**1A1W-EB130S**	✹
10	10	--	80	**1A1W-ED131**	**1A1W-ED132**	✹	**1A1W-EB133**	**1A1W-EB133S**	✹
11	10	--	80	**1A1W-ED134**	**1A1W-ED135**	✹	**1A1W-EB136**	**1A1W-EB136S**	✹
12	10	--	80	**1A1W-ED137**	**1A1W-ED138**	✹	**1A1W-EB139**	**1A1W-EB139S**	✹
13	10	--	80	**1A1W-ED140**	**1A1W-ED141**	✹	**1A1W-EB142**	**1A1W-EB142S**	✹
14	10	--	80	**1A1W-ED143**	**1A1W-ED144**	✹	**1A1W-EB145**	**1A1W-EB145S**	✹
15	10	--	80	**1A1W-ED146**	**1A1W-ED147**	✹	**1A1W-EB148**	**1A1W-EB148S**	✹
16	10	--	80	**1A1W-ED149**	**1A1W-ED150**	✹	**1A1W-EB151**	**1A1W-EB151S**	✹

*N.B. Anumite dimensiuni pot varia putin fara preaviz / Some dimensions can be varied without notice.

Alte dimensiuni si/sau granulatie sau concentratii la cerere. /Others measures and/or grits or concentrations on request

PIETRE ABRAZIVE CILINDRICE PENTRU RECTIFICARE ORIFICII CU AX DIN METAL TARE

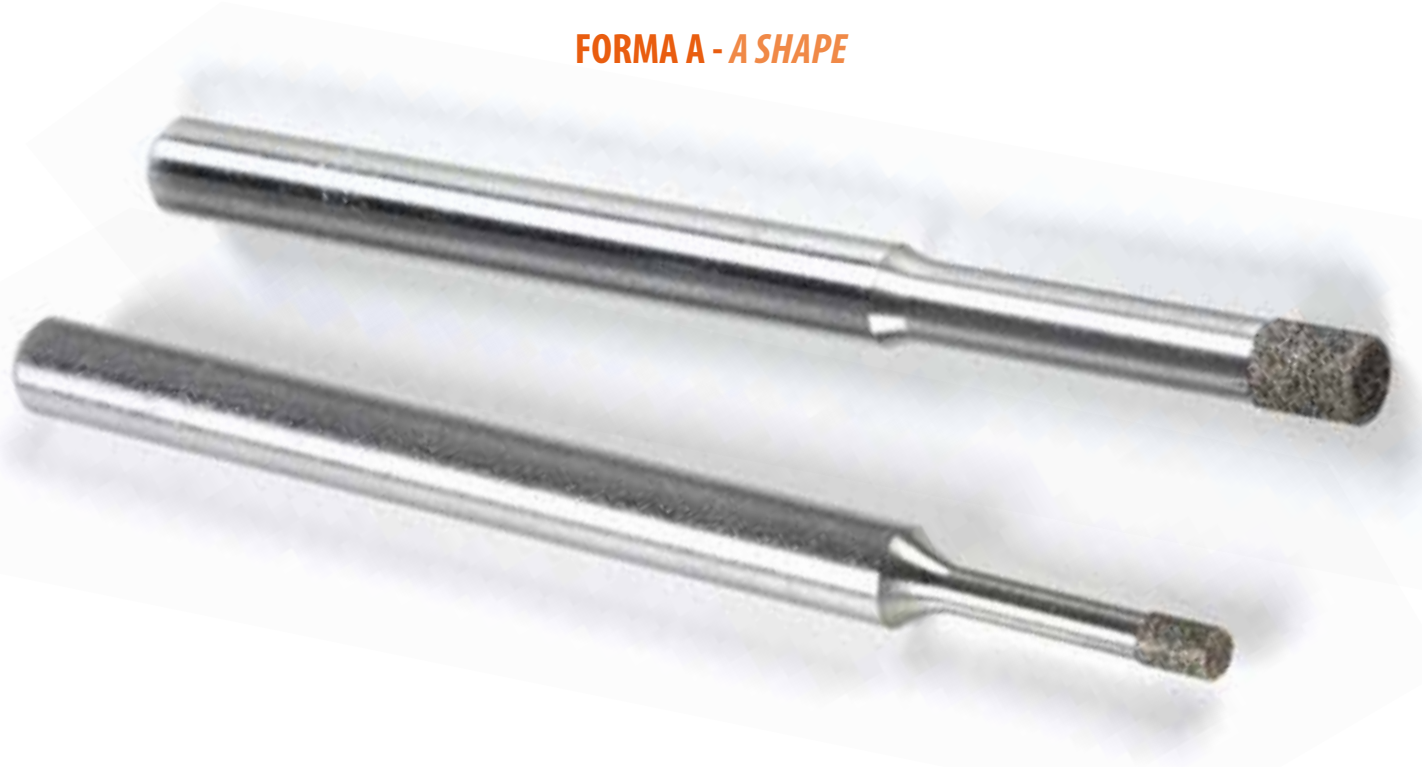
CYLINDRICAL WHEELS FOR INTERNAL GRINDING WITH HARD METAL SHANK

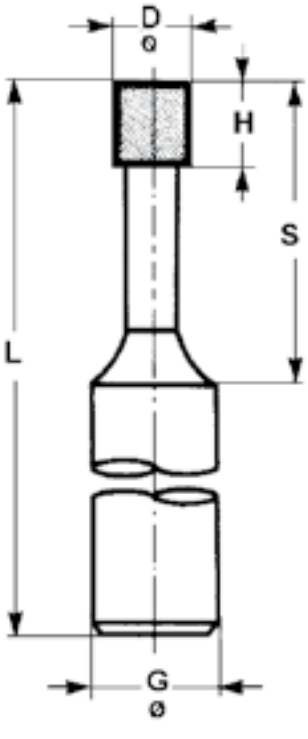
1A1W-HM

Coada din metal tare are un modul de elasticitate aproape triplu fata de coada din otel. Din acest motiv pietrele abrazice cu coada din metal tare permit, in rectificarea orificiilor, realizarea unei indepartari superioare, suprafete mai bune si o durata de viata superioara a uneltei.

The carbide shank has an elasticity modulus almost three times the steel shank. For this the grinding wheels with the shank in carbide allow to obtain more removal, better surface and greater durability of the tool.

FORMA A - *A SHAPE*





coada ø 3 mm - *Ø 3 mm shank*

DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*		CBN (Borazon®)	
Ø D	H	S	L	#76; #126; #151; #181	STOC	#76; #126; #151; #181	STOC
mm							
0,4	2	3	40		✸		✸
0,5	2	3	40		✸		✸
0,6	3	5	40		✸		✸
0,7	3	6	40		✸		✸
0,8	3	6	40		✸		✸
0,9	3	7	40		✸		✸
1	3	7	40	**1A1WHM-ED**	✸	**1A1WHM-EB**	✸
1,1	3	8	40		✸		✸
1,2	3	8	40		✸		✸
1,5	3	15	40		✸		✸
2	5	15	40		✸		✸
2,5	5	16	40		✸		✸
3	5	17	40		✸		✸

*N.B. Anumite dimensiuni pot varia putin fara preaviz / Some dimensions can be variedwithout notice.

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FORMA B - *B SHAPE*



CUM COMANDAM
COMANDA MINIMA
5 buc. pe tip

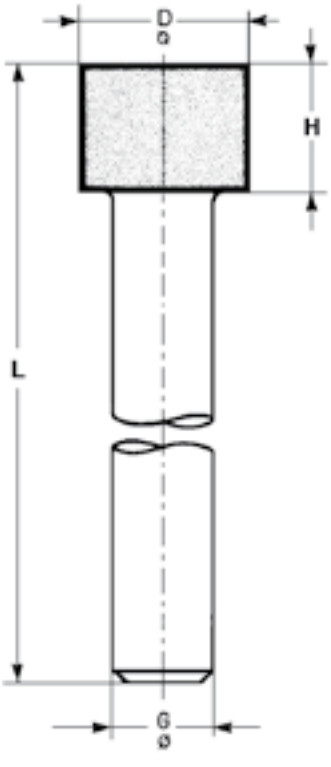
PIATRA ABRAZIVA
Specificati:
- Forma (A sau B)
- Diam. coada (3 sau 6 mm)
- Diam. cap (D)
- Lungime coada (L)

HOW TO ORDER
MINIMUN ORDER:
5 pieces for type

WHEEL
Specify:
- Shape (A or B)
- Shank diameter (3 or 6 mm)
- Head diameter (D)
- Shank length (L)

GRIT SIZE
Specify the required grit size (76, 126, 151, 181)

ABRASIVE
Specify if:
Diamond (ED) or CBN (EB)



coada ø 3 mm - *Ø 3 mm shank*

DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*		CBN (Borazon®)	
Ø D	H	S	L	#76; #126; #151; #181	STOC	#76; #126; #151; #181	STOC
mm							
5	5	--	75	**1A1WHM-ED**	✸	**1A1WHM-EB**	✸
5	5	--	100		✸		✸
6	5	--	80		✸		✸
6	5	--	100		✸		✸
8	8	--	80		✸		✸
8	8	--	100		✸		✸

*N.B. Anumite dimensiuni pot varia putin fara preaviz / Some dimensions can be variedWithout notice.

coada ø 6 mm - *Ø 6 mm shank*

DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*		CBN (Borazon®)	
Ø D	H	S	L	#76; #126; #151; #181	STOC	#76; #126; #151; #181	STOC
mm							
7	8	--	75	**1A1WHM-ED**	✸	**1A1WHM-EB**	✸
7	8	--	110		✸		✸
8	8	--	75		✸		✸
8	8	--	110		✸		✸
10	10	--	110		✸		✸
12	10	--	110		✸		✸
14	10	--	110		✸		✸
15	10	--	110		✸		✸
16	10	--	110		✸		✸
18	10	--	110		✸		✸
20	10	--	110		✸		✸

*N.B. Anumite dimensiuni pot varia putin fara preaviz / Some dimensions can be variedWithout notice.

PIETRE ABRAZIVE CILINDRICE PENTRU RECTIFICARE ORIFICII CU GAURA

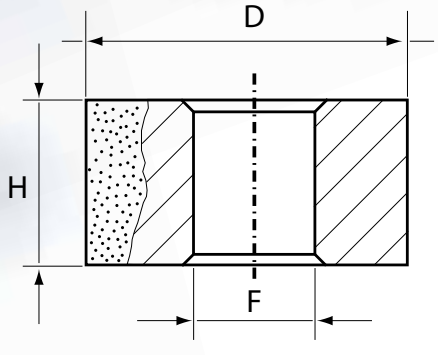
1A1

CYLINDRICAL WHEELS FOR INTERNAL GRINDING WITH HOLE

Pietre abrazive electrodepuse din Diamant si CBN. Gaura standard 6 mm. La cerere se pot efectua gauri diferite .

Electroplated Diamond & CBN. Standard hole 6 mm. Different holes available on request.





DIMENSIUNI / *DIMENSIONS**			DIAMANT / *DIAMOND*			CBN (Borazon®)		
Ø F	Ø D	H	D126	D76	STOC	B126	B76	STOC
mm								
	10	10	1A1-ED184	1A1-ED185	✹	1A1-EB184	1A1-EB185	✹
	12	10	1A1-ED188	1A1-ED189	✹	1A1-EB188	1A1-EB189	✹
	14	10	1A1-ED192	1A1-ED193	✹	1A1-EB192	1A1-EB193	✹
	15	10	1A1-ED194	1A1-ED195	✹	1A1-EB194	1A1-EB195	✹
	16	10	1A1-ED196	1A1-ED197	✹	1A1-EB196	1A1-EB197	✹
	18	10	1A1-ED200	1A1-ED201	✹	1A1-EB200	1A1-EB201	✹
	20	10	1A1-ED204	1A1-ED205	✹	1A1-EB204	1A1-EB205	✹
	22	10	1A1-ED208	1A1-ED209	✹	1A1-EB208	1A1-EB209	✹
6	25	10	1A1-ED214	1A1-ED215	✹	1A1-EB214	1A1-EB215	✹
	30	10	1A1-ED224	1A1-ED225	✹	1A1-ED224	1A1-EB225	✹
	30	15	1A1-ED224H	1A1-ED225H	✸	1A1-EB224H	1A1-EB225H	✸
	35	10	1A1-ED234	1A1-ED235	✹	1A1-EB234	1A1-EB235	✹
	40	10	1A1-ED244	1A1-ED245	✹	1A1-EB244	1A1-EB245	✹
	40	15	1A1-ED244H	1A1-ED245H	✸	1A1-EB244H	1A1-EB245H	✸
	45	10	1A1-ED254	1A1-ED255	✹	1A1-EB254	1A1-EB255	✹
	50	10	1A1-ED264	1A1-ED265	✹	1A1-EB264	1A1-EB265	✹
	50	15	1A1-ED264H	1A1-ED265H	✸	1A1-EB264H	1A1-EB265H	✸

N.B. *Alte dimensiuni si/sau granulatii disponibile la cerere / Others measures and/or grits on request*

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PIETRE ABRAZIVE CILINDRICE PENTRU RECTIFICARE SI FINISARE ORIFICII cu liant rezinoid

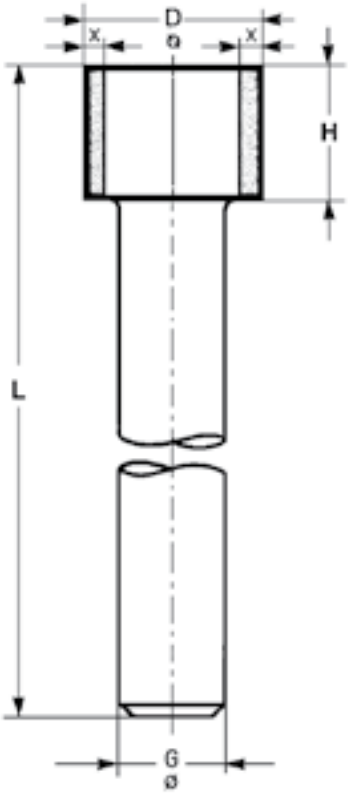
1A1W-RES

CYLINDRICAL WHEELS FOR INTERNAL GRINDING OR LAPPING - resin bond

Pietre abrazive dotate cu tais bun, permit obtinerea de suprafete de inalta calitate.
Disponibile si de tipul celor pentru microfinisare. Pot fi utilizate in mediu uscat sau umed (se va specifica in comanda).

Wheels with good sharp, to obtain surfaces of high quality. Also available in the type for microlapping. For dry or wet use (to specify at the order).





coada ø 6 mm - *Ø 6 mm shank*

DIMENSIUNI / *DIMENSIONS**				DIAMANT / *DIAMOND*			CBN (Borazon®)		
Ø D	H	X	L	STANDARD C100	GRANA/ *GRIT*	STOC	STANDARD C100	GRANA/ *GRIT*	STOC
mm									
5	10	2	60	1A1W-RES 310	D 107	✹	1A1W-RES 310	B 107	✹
6				1A1W-RES 320		✹	1A1W-RES 320		✹
7				1A1W-RES 330	D 126	✹	1A1W-RES 330	B 126	✹
8				1A1W-RES 340		✹	1A1W-RES 340		✹
9				1A1W-RES 350		✹	1A1W-RES 350		✹
10				1A1W-RES 360		✹	1A1W-RES 360		✹
11				1A1W-RES 365		✹	1A1W-RES 365		✹
12				1A1W-RES 370		✹	1A1W-RES 370		✹

Alte dimensiuni si/sau granulatii ori concentratii sunt disponibile la cerere: GRANULATIE D30 - D15 pentru microfinisare: +15% / *Others measures and/or grits or concentrations on request: D30 - D15 GRIT for microlapping: + 15%*

N.B. Anumite dimensiuni pot varia usor fara preaviz / *Some dimensions can be varied without notice.*

PIETRE CONICE PENTRU RECTIFICARE

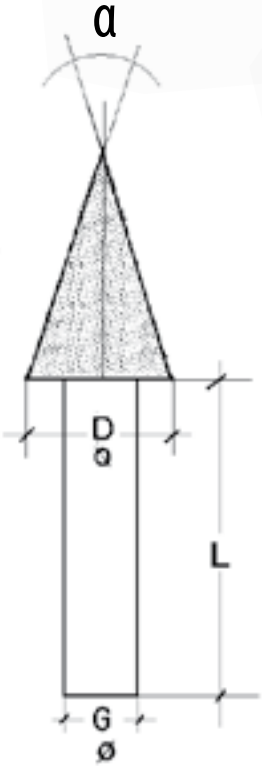
1A1WC

CONICAL WHEELS FOR GRINDING

Pietre electrodepuse din Diamant si CBN. Ax din otel.

Electroplated Diamond & CBN. Steel shank.





coada Ø 6 mm - *Ø 6 mm shank*

DIMENSIUNI / *DIMENSIONS**			DIAMANT / *DIAMOND*			CBN (Borazon®)		
Ø D	L	UNGHI *ANGLE*	D126	D76	STOCK	B126	B76	STOC
mm								
10	60	30°	1A1WC-ED 100	1A1WC-ED 101	✸	1A1WC-ED 300	1A1WC-ED 301	✸
	60	60°	1A1WC-ED 110	1A1WC-ED 111	✸	1A1WC-ED 310	1A1WC-ED 311	✸
	60	90°	1A1WC-ED 120	1A1WC-ED 121	✸	1A1WC-ED 320	1A1WC-ED 321	✸
12	60	60°	1A1WC-ED 130	1A1WC-ED 131	✸	1A1WC-ED 330	1A1WC-ED 331	✸
	60	90°	1A1WC-ED 140	1A1WC-ED 141	✸	1A1WC-ED 340	1A1WC-ED 341	✸
15	60	60°	1A1WC-ED 150	1A1WC-ED 151	✸	1A1WC-ED 350	1A1WC-ED 351	✸
	60	90°	1A1WC-ED 160	1A1WC-ED 161	✸	1A1WC-ED 360	1A1WC-ED 361	✸

Alte dimensiuni si/sau granulatii sunt disponibile la cerere. / *Others measures and/or grits on request.*
N.B. Anumite dimensiuni pot varia usor fara preaviz / *Some dimensions can be varied without notice.*

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PIETRE DIAMANTATE FORME DIVERSE

Format standard cu granulatie D427 pentru utilizare cu fibra de sticla, materiale compozite, marmura, materiale abrazive.

EDMS

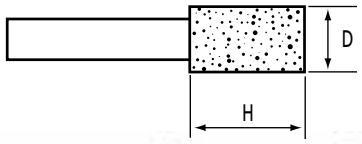
DIAMOND SHAPED POINTS

Standard grit size D427 for use on fiberglass, composites, marble, abrasives.

coada ø 6 mm - *Ø 6 mm shank*



CAP CILINDRIC / *CYLINDRICAL HEAD*





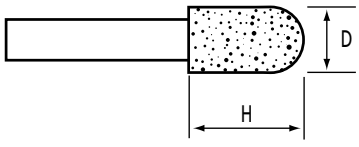




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D427	STOC
mm				
6	12	60	EDMS-001	✹
6,5	15		EDMS-005	✹
8	12		EDMS-010	✹
10	12		EDMS-020	✹
12	12		EDMS-030	✹
18	26		EDMS-040	✹
8	20		EDMS-050	✹
10	1,5		EDMS-052	✹
10	20		EDMS-058	✹
10	25		EDMS-060	✹
12	30		EDMS-070	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii. / *Measures indicative. Others measures and/or grits on request.*

CAP CILINDRIC ROTUNJIT / *ROUND CYLINDRICAL HEAD*

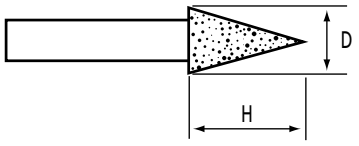




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D427	STOC
mm				
9	37	60	EDMS-100	✹
5	15		EDMS-110	✹
6	15		EDMS-120	✹
8	19		EDMS-122	✹
10	19		EDMS-124	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP CONIC / *CONIC HEAD*





DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D427	STOC
mm				
16	8/90°	60	EDMS-080	✹
8	15/28°		EDMS-082	✹
10	15/30°		EDMS-084	✹
6,5	24/10°		EDMS-086	✹
9	38		EDMS-090	✹
10	15/90°		EDMS-094	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

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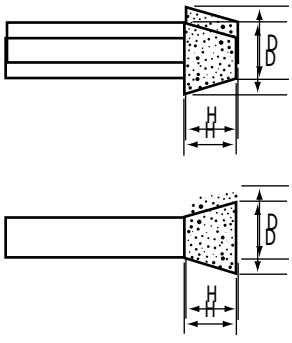
CAP TRUNCHI DE CON / *TRUNKED CONIC HEAD*

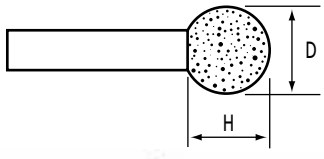




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D427	STOC
mm				
8	15/15°	60	EDMS-092	✹
10	5/20°		EDMS-096	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP SFERIC / *BALL HEAD*

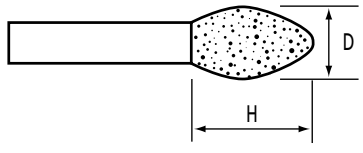




DIMENSIUNI / *DIMENSIONS**			COD/ *CODE*	
Ø D	H	L	D427	STOC
mm				
8	8	60	EDMS-130	✹
10	10		EDMS-140	✹
12	12		EDMS-150	✹
16	16		EDMS-160	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP TIP FLACARA / *FLAME HEAD*

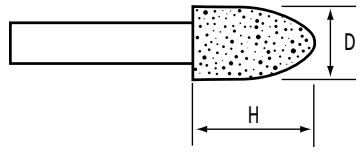




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D427	STOC
mm				
6	14	60	EDMS-170	✹
8	17		EDMS-180	✹
10	16		EDMS-186	✹
10	20		EDMS-190	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP TIP OGIVA / *OGIVAE HEAD*





DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D427	STOC
mm				
6,5	15	60	EDMS-200	✹
8	19		EDMS-210	✹
10	19		EDMS-220	✹
10	19		EDMS-230	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

PIETRE FORME DIVERSE

MAP

SHAPED POINTS

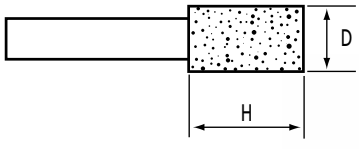
Format standard cu granulatie D126 pentru utilizare cu metale tari, presinterizate, ceramici technice, pietre ornamentale, sticla.

Standard grit size D126 for use on hard metal, pre-sintered, cermets, decorative stones, glass.

coada ø 3 mm - *Ø 3 mm shank*



CAP CILINDRIC / *CYLINDRICAL HEAD*

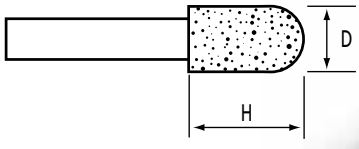




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
1	5	45	MAP-CL10	✹
1,5	5		MAP-CL15	✹
2	7		MAP-CL20	✹
2,5	7		MAP-CL25	✹
3	7		MAP-CL30	✹
3,5	7		MAP-CL35	✹
4	10		MAP-CL40	✹
5	10		MAP-CL50	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP CILINDRIC ROTUNJIT / *ROUND CYLINDRICAL HEAD*





DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
1,5	5	45	MAP-CR15	✹
2	7		MAP-CR20	✹
2,5	7		MAP-CR25	✹
3	7		MAP-CR30	✹
3,5	7		MAP-CR35	✹
4	10		MAP-CR40	✹
5	10		MAP-CR50	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

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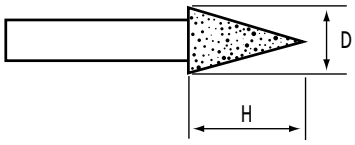
CAP CONIC / *CONIC HEAD*

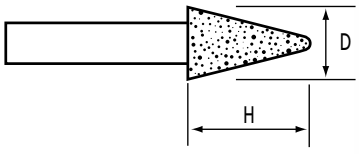




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
2	12	45	MAP-CO20	✹
3	14		MAP-CO30	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP CONIC ROTUNJIT / *ROUND CONIC HEAD*

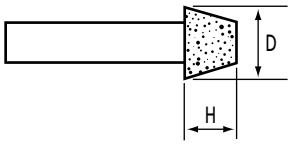




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
1,5	12	45	MAP-CA15	✹
2	12		MAP-CA20	✹
3	12		MAP-CA30	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP TRUNCHI DE CON / *TRUNKED CONIC HEAD*

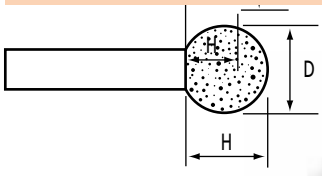




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
2	7	45	MAP-TC20	✹
3	7		MAP-TC30	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP SFERIC / *BALL HEAD*

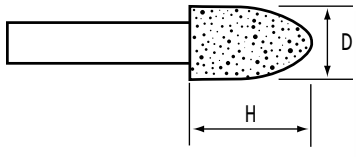




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
2	2	45	MAP-SF20	✹
3	3		MAP-SF30	✹
4	4		MAP-SF40	✹
5	5		MAP-SF50	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP TIP OGIVA / *OGIVAE HEAD*

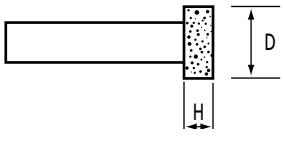




DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
2	10	45	MAP-OR20	✹
3	10		MAP-OR30	✹
4	10		MAP-OR40	✹
5	10		MAP-OR50	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

CAP TIP DISC / *DISC HEAD*





DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
Ø D	H	L	D126	STOC
mm				
13	2	45	MAP-DT20	✹
13	3		MAP-DT30	✹
13	4		MAP-DT40	✹

*N.B. Dimensiunile sunt orientative. La cerere sunt disponibile alte marimi si/sau granulatii / *Measures indicative. Others measures and/or grits on request.*

PILE CU AC - L. 140 mm

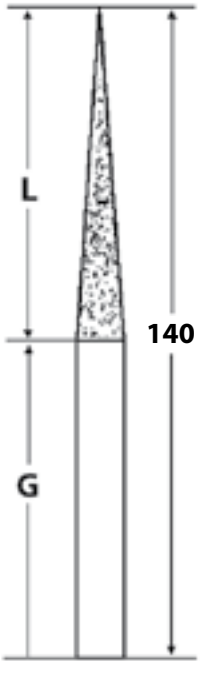
LAG-C

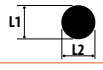
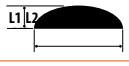
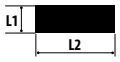
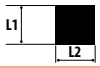
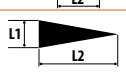
NEEDLE FILES - L.140 mm

Pile de precizie cu ac din Diamant electrodepuse. Model cu granulatie D126 (degrosare) si D91 (finisare).

Needle precision files Diamond electroplated. Standard grit size D126 (roughing) and D91 (finishing).





		DIMENSIUNI / DIMENSIONS*				COD / CODE		
		G	L	SECTIUNE/SECTION		D126	D91	STOC
				L1	L2			
		mm						
	SECTIUNE ROTUNDA *ROUND SECTION*	70	70	3	3	LAG-C 001	LAG-C 020	✹
	SECTIUNE SEMIROTUNDA *HALF-ROUND SECTION*	70	70	2	5	LAG-C 010	LAG-C 040	✹
	SECTIUNE OVALA *OVAL SECTION*	70	70	2	5	LAG-C 030	LAG-C 080	✹
	SECTIUNE PLATA *PLATE SECTION*	70	70	1,5	5,5	LAG-C 090	LAG-C 120	✹
	SECTIUNE PATRATA *SQUARE SECTION*	70	70	2,5	2,5	LAG-C 130	LAG-C 160	✹
	SECTIUNE TRIUNGHIULARA *TRIANGULAR SECTION*	70	70	3,5	3,5	LAG-C 150	LAG-C 180	✹
	SECTIUNE CUTIT *KNIFE SECTION*	70	70	2	5,5	LAG-C 170	LAG-C 200	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

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PILE CU AC - L. 160 mm

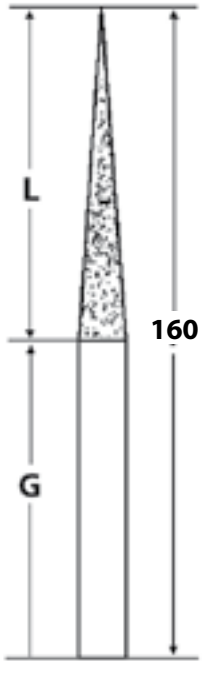
LAG

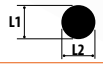
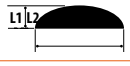
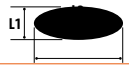
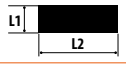
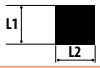
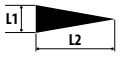
NEEDLE FILES - L. 160 mm

Pile de precizie cu ac din Diamant electrodepuse. Model cu granulatie D126 (degrosare) si D91 (finisare).

Needle precision files Diamond electroplated. Standard grit size D126 (roughing) and D91 (finishing).





		DIMENSIUNI / DIMENSIONS*				COD CODE		
		G	L	SECTIUNE/SECTION		D126	D91	STOC
				L1	L2			
		mm						
	SECTIUNE ROTUNDA *ROUND SECTION*	90	70	4	4	LAG-001	LAG-020	✹
	SECTIUNE SEMIROTUNDA *HALF-ROUND SECTION*	90	70	2,5	7	LAG-010	LAG-040	✹
	SECTIUNE OVALA *OVAL SECTION*	90	70	3,5	4,5	LAG-030	LAG-080	✹
	SECTIUNE PLATA *PLATE SECTION*	90	70	2	7,5	LAG-090	LAG-120	✹
	SECTIUNE PATRATA *SQUARE SECTION*	90	70	3,5	3,5	LAG-130	LAG-160	✹
	SECTIUNE TRIUNGHIULARA	90	70	5	5	LAG-150	LAG-180	✹
	SECTIUNE CUTIT *KNIFE SECTION*	90	70	2,5	7	LAG-170	LAG-200	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

PILE CU AC - L. 180 mm

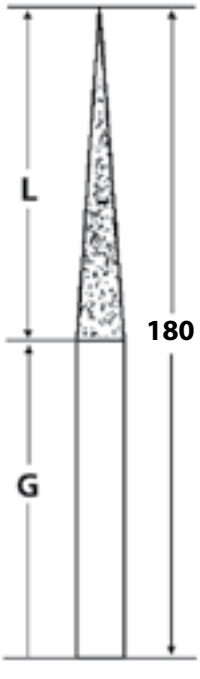
LAG-M

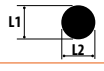
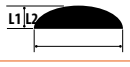
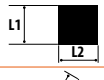
NEEDLE FILES - L. 180 mm

Pile cu ac din Diamant electrodepuse, dimensiune medie. Model cu granulatie D427 (pentru utilizare cu fibra de sticla, materiale compozite, marmura, materiale abrazive) si D126 (pentru utilizare cu metal tare, presinterizat, ceramici tehnice, pietre ornamentale, sticla).

Needle files Diamond electroplated, medium size. Standard grit size D427 (for use on fiberglass, composites, marble, abrasive) and D126 (for use on hard metal, presintered, technical ceramics, ornamental stones, glass).





		DIMENSIUNI / DIMENSIONS*				COD ⊠CODE		
		G	L	SECTIUNE/SECTION		D126	D427	STOC
				L1	L2			
		mm						
	SECTIUNE ROTUNDA *ROUND SECTION*	110	70	5	5	LAG-M 001	LAG-M 020	✹
	SECTIUNE SEMIROTUNDA *HALF-ROUND SECTION*	110	70	3	8	LAG-M010	LAG-M 040	✹
	SECTIUNE PLATA *PLATE SECTION*	110	70	3	9	LAG-M 090	LAG-M 120	✹
	SECTIUNE PATRATA *SQUARE SECTION*	110	70	4	4	LAG-M 130	LAG-M 160	✹
	SECTIUNE TRIUNGHIULARA *TRIANGULAR SECTION*	110	70	6	6	LAG-M 150	LAG-M 180	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

	COD	STOC
SET 5 PC	LAG-M SET	✹

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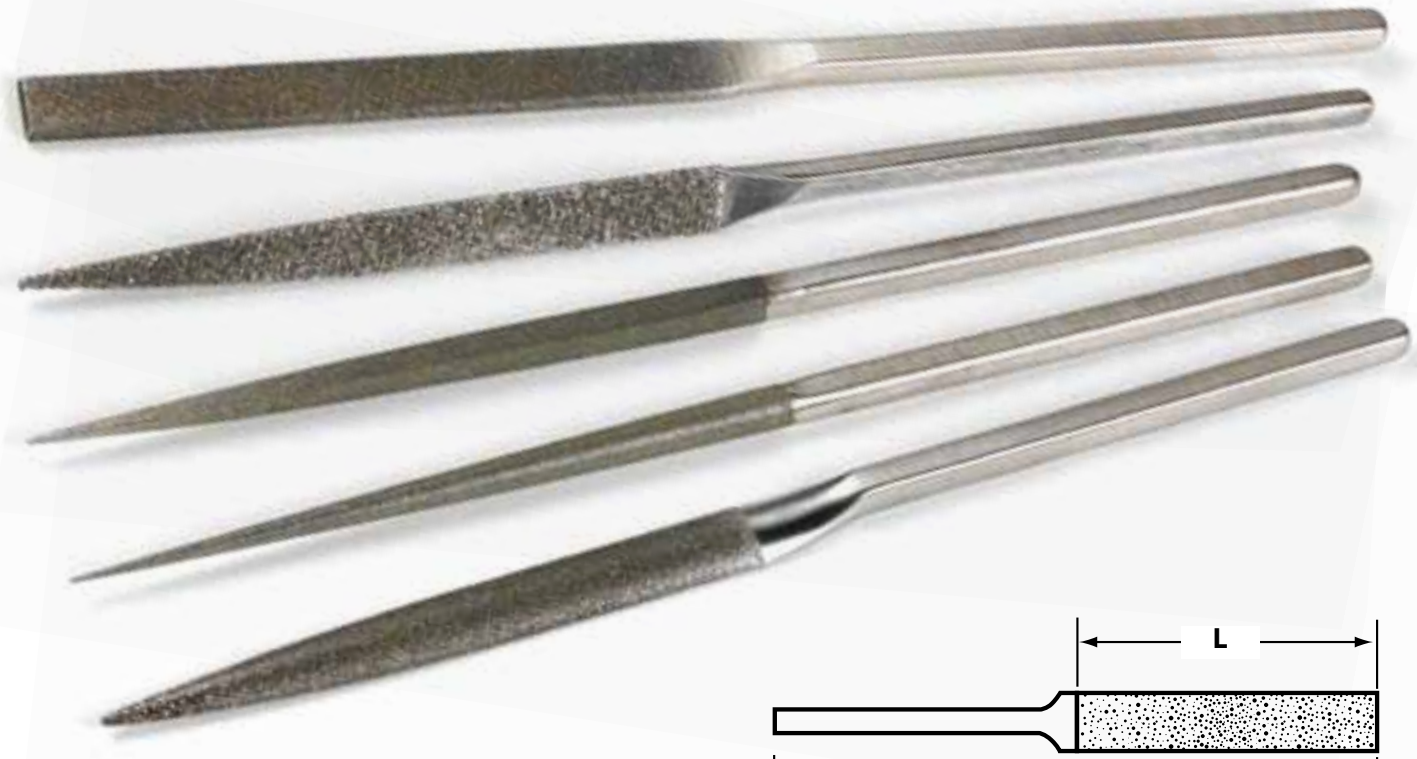
PILE MANUALE MAXI

LAM

HAND MAXI FILES

Pile manuale electrodepuse din Diamant. Tija patrata pentru prindere usoara.
Model cu granulatie D427 (pentru utilizare cu fibra de sticla, materiale compozite, marmura, materiale abrazive) si D126 (pentru utilizare cu metal tare, presinterizat, ceramici tehnice, pietre ornamentale, sticla) si D76 (finisare).

Electroplated Diamond maxi files. Square shank for easy grip. Standard grit size D427 (for use on fiberglass, composites, marble, abrasive), D126 (for use on hard metal, presintered, technical ceramics, ornamental stones, glass) and D76 (finishing).



	DIMENSIUNI / *DIMENSIONS**				COD / *CODE*			
	G	L	SECTIUNE/*SECTION* L1	L2	D76	D151	D427	STOC
	mm							
SECTIUNE PLATA *PLATE SECTION*	215	100	3	9	LAM 1041-F	LAM 1041	LAM 1041-G	✹
SECTIUNE TRIUNGHIULARA *TRIANGULAR SECTION*	215	100	9,5	9,5	LAM 1042- F	LAM 1042	LAM 1042- G	✹
SECTIUNE PATRATA *SQUARE SECTION*	215	100	5	5	LAM 1042- F	LAM 1043	LAM 1043- G	✹
SECTIUNE ROTUNDA *ROUND SECTION*	215	100	6	6	LAM 1044- F	LAM 1044	LAM 1044- G	✹
SECTIUNE SEMIROTUNDA *HALF-ROUND SECTION*	215	100	3,5	10	LAM 1045- F	LAM 1045	LAM 1045- G	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

	COD	STOC
SET 5 PC	LAM CPL	✹

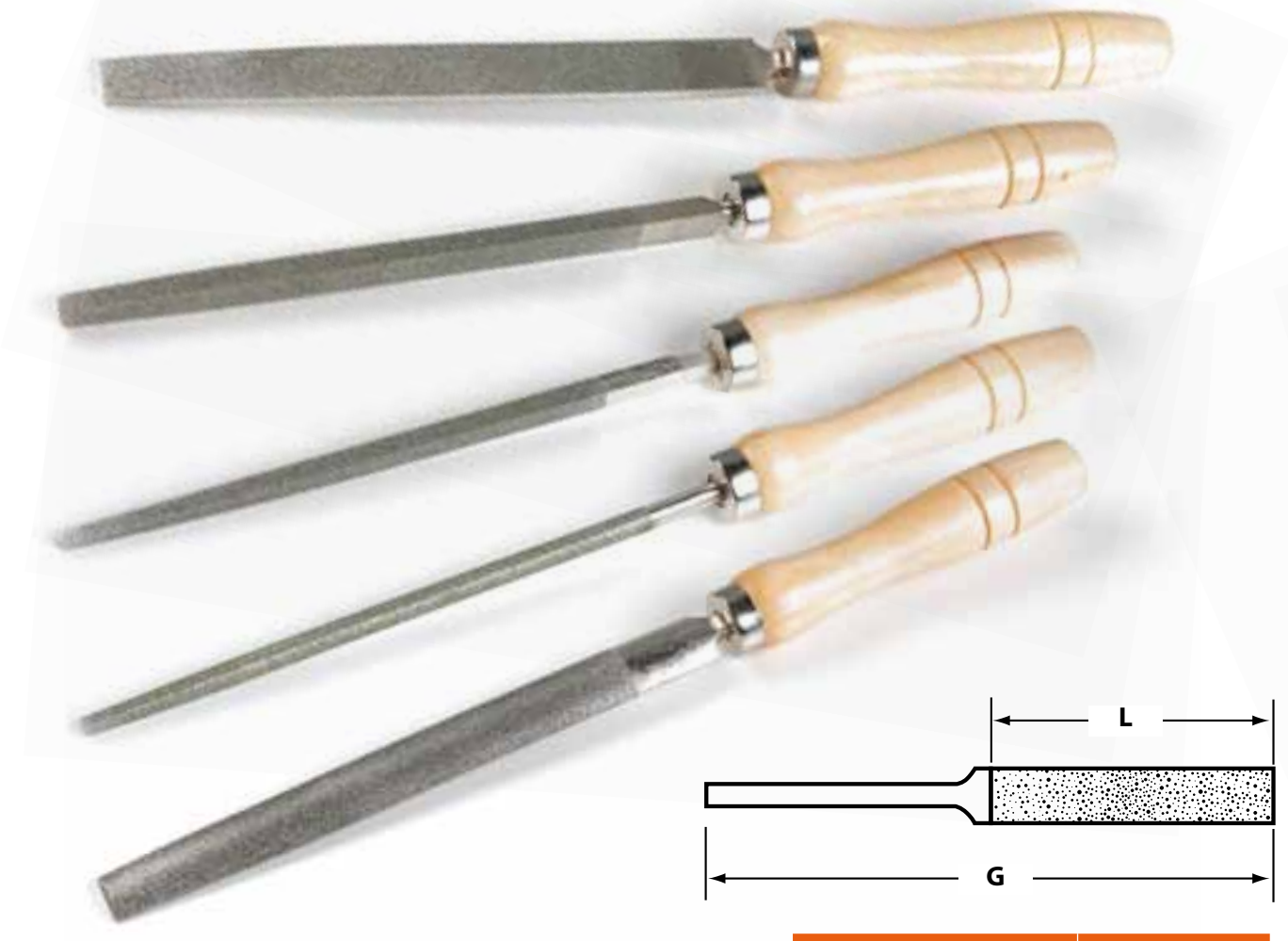
PILE MANUALE D E 6 TOLI

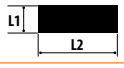
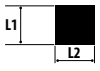
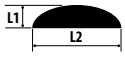
LAM 6P

6 INCHES HAND FILES

Pile manuale electrodepuse din Diamant. Maner din lemn pentru o prindere usoara.
Model standard cu granulatie D151 (pentru utilizare cu metale tari, presinterizate, ceramici tehnice, pietre ornamentale, sticla).

Electroplated Diamond files 6 inches lenght. Woodhandle for easy grip. Standard grit size D151 (for use on hard metal, presintered, technical ceramics, ornamental stones, glass).



		DIMENSIUNI / DIMENSIONS*				COD CODE	
		G	L	SECTIUNE/SECTION L1	SECTIUNE/SECTION L2	D151	STOC
		mm					
	SECTIUNE PLATA *PLATE SECTION*	260	130	3,5	16	**LAM 6P PP**	✹
	SECTIUNE TRIUNGHIULARA *TRIANGULAR SECTION*	260	130	10	10	**LAM 6P TR**	✹
	SECTIUNE PATRATA *SQUARE SECTION*	260	130	6	6	**LAM 6P QU**	✹
	SECTIUNE ROTUNDA *ROUND SECTION*	260	130	6	6	**LAM 6P TO**	✹
	SECTIUNE SEMIROTUNDA *HALF-ROUND SECTION*	260	130	5	16	**LAM 6P ST**	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

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PILE PLATE SPECIALE SUPER-FINE

LAG-PS

NEEDLE TAPERED FILES

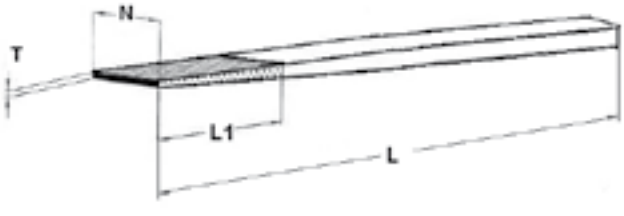
Pile plate din Diamant electrodepuse.
Tip special utilizat petru:

- prelucrari de precizie in cavitati si caneluri (in cazurile in care accesul cu pila plata traditionala nu este posibile)
- prelucrare extrudate din aluminiu (turbine, etc.)
- prelucrare detalii extrudate din materii plastice speciale

Electroplated Diamond tapered files.
Special type used for:

- *precision works in cavities and grooves (when the access with the traditional flat file is not possible)*
- *manufacture extruded aluminum (turbines, etc.)*
- *working of extruded special plastics details*





*DIMENSIUNI / DIMENSIONS**				GRANULATIE / GRIT			
L	L1	N	T	D91	D76	D46	STOC
mm							
180	50	8	0,5	LAG-PS 001	LAG-PS 002	LAG-PS 003	✹
		6		LAG-PS 010	LAG-PS 011	LAG-PS 012	✹
		4		LAG-PS 030	LAG-PS 031	LAG-PS 032	✹
		2,5		LAG-PS 050	LAG-PS 051	LAG-PS 052	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

PILE RIFLOIRS (RASPE)

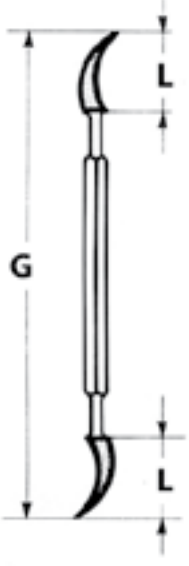
RIF

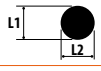
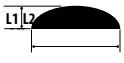
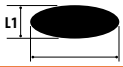
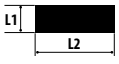
RIFLOIRS FILES

Pile speciale electrodepuse din Diamant. Sunt utilizate pentru prelucrarea punctelor care sunt greu de accesat si a geometriilor complexe. Model cu granulatie D151 (degrosare) e D76 (finisare).

Special needle files in electroplated Diamond. Used to working hard to reach points and for complex geometries. Standard grit size D151 (roughing) and D76 (finishing).





		DIMENSIUNI / DIMENSIONS*				COD / CODE		
		G	L	SECTIUNE/SECTION L1	SECTIUNE/SECTION L2	D151	D76	STOC
		mm						
	SECTIUNE ROTUNDA *ROUND SECTION*	150	25	3	3	**RIF-001**	**RIF-020**	✹
	SECTIUNE SEMIROTUNDA *HALF-ROUND SECTION*	150	25	2	5	**RIF-010**	**RIF-040**	✹
	SECTIUNE OVALA *OVAL SECTION*	150	25	2	5	**RIF-030**	**RIF-060**	✹
	SECTIUNE PLATA *PLATE SECTION*	150	25	1,5	5,5	**RIF-050**	**RIF-080**	✹
	SECTIUNE PATRATA *SQUARE SECTION*	150	25	2,5	2,5	**RIF-070**	**RIF-100**	✹
	SECTIUNE TRIUNGHIULARA *TRIANGULAR SECTION*	150	25	3,5	3,5	**RIF-090**	**RIF-120**	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

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PILE PENTRU ECHIPAMENTE PORTABILE (DIPROFIL)

DIP

FILES FOR PORTABLE SHAPING MACHINE (DIPROFIL)

Pile speciale electrodepuse din Diamant pentru utilizare pe masini de pilit portabile electrice.

Special files in electroplated Diamond for portable shaping machine.

coada ø 3 mm - *Ø 3 mm shank*



		DIMENSIUNI / DIMENSIONS*				COD / CODE	
		G	L	SECTIUNE/SECTION		D126	STOC
				L1	L2		
		mm					
	SECTIUNE ROTUNDA *ROUND SECTION*	50	15	2	2	DIP-020	✸
				3	3	DIP-030	✸
				4	4	DIP-040	✸
				5	5	DIP-050	✸
	SECTIUNE OVALA *OVAL SECTION*	50	15	1	2	DIP-210	✸
				2	3,5	DIP-352	✸
				3	6	DIP-630	✸
	SECTIUNE TRIUNGHIULARA *TRIANGULAR SECTION*	50	15	2	2	DIP-302	✸
				3,5	3,5	DIP-335	✸
				4,5	4,5	DIP-345	✸
	SECTIUNE CUTIT *KNIFE SECTION*	50	15	1	4	DIP-341	✸
				2	6	DIP-362	✸
	SECTIUNE PLATA 1 PARTE *PLATE SECTION*	50	15	1	3	DIP-131	✸
				1	4	DIP-141	✸
				2	5	DIP-152	✸
	SECTIUNE SEMIROTUNDA *HALF-ROUND SECTION*	50	15	1,5	3	DIP-315	✸
				1	3	DIP-431	✸
	SECTIUNE PLATA *PLATE SECTION*	50	15	1	4	DIP-441	✸
				2	5	DIP-452	✸
				1,5	3	DIP-415	✸
	SECTIUNE PATRATA *SQUARE SECTION*	50	15	2	2	DIP-422	✸
				3	3	DIP-433	✸
				4	4	DIP-444	✸
				5	5	DIP-455	✸

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

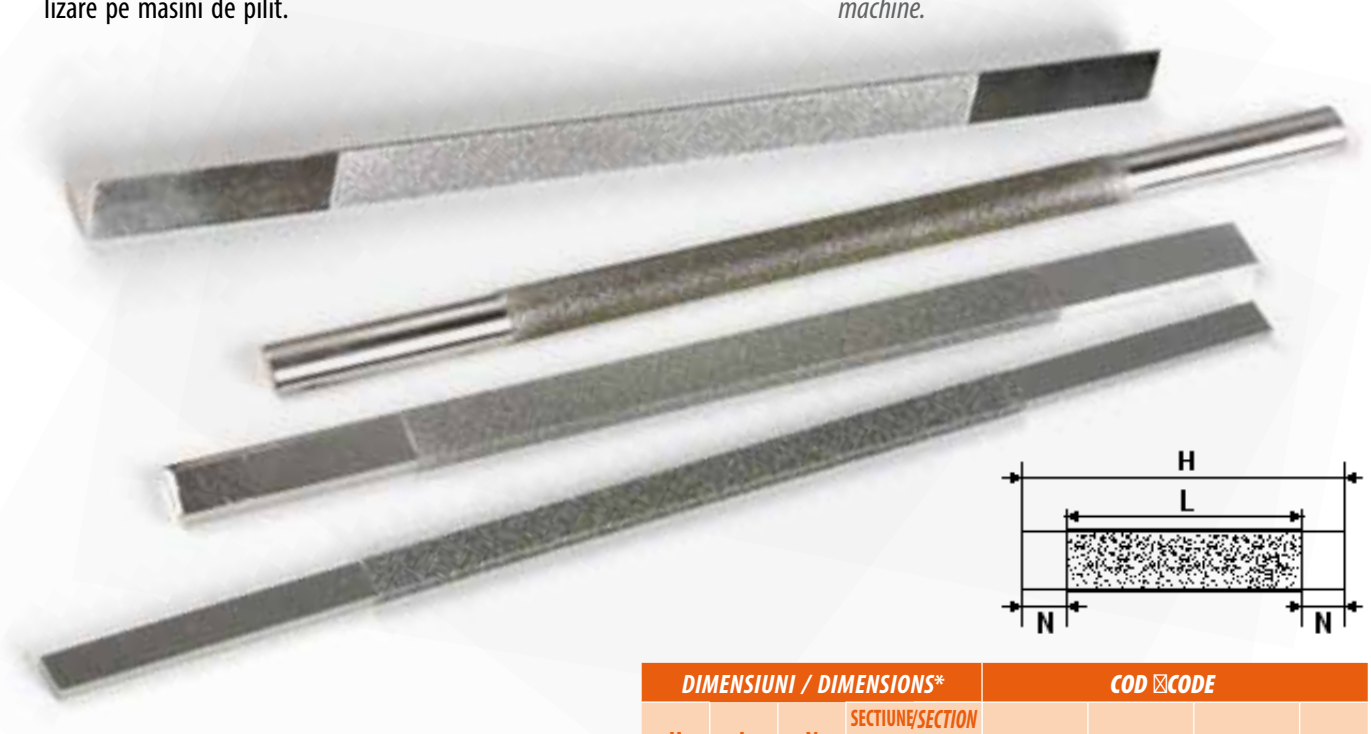
PILE PENTRU MASINA

LM

FILES FOR SHAPING MACHINE

Pile speciale electrodepuse din Diamant pentru utilizare pe masini de pilit.

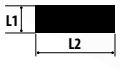
Special files in electroplated Diamond for shaping machine.



GRANULATIE D76
Pentru finisari pe metal tare, presinterizat, ceramici tehnice, sticla.

GRANULATIE D151
Pentru metal tare, presinterizat, ceramici tehnice, sticla.

GRANULATIE D427
Pentru fibra de sticla, fibre incarcate si similare, marmura, materiale abrazive, fibra de carbon, kevlar, compoziti.



SECTIUNE PLATA
PLATE SECTION



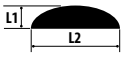
SECTIUNE PATRATA
SQUARE SECTION



SECTIUNE TRIUNGHIULARA
TRIANGULAR SECTION



SECTIUNE ROTUNDA
ROUND SECTION



SECTIUNE SEMIROTUNDA
HALF-ROUND SECTION

GRIT D76
To fine work on hard metal, pre-sintered, technic ceramic, glass. ***GRIT D151***
To work hard metal, pre-sintered, technic ceramic, glass.
GRIT D427
To work glass fibre, kevlar, composites, reinforced thermoplastics.

*DIMENSIUNI / DIMENSIONS**					*COD CODE*			
H	L	N	SECTIUNE/SECTION L1	SECTIUNE/SECTION L2	D76	D151	D427	STOC
mm								
100	60	20	1,5	2	LM 1141F	LM 1141	LM 1141G	✹
125	80	22,5	2	4	LM 1142F	LM 1142	LM 1142G	✹
150	80	35	2	5	LM 1143F	LM 1143	LM 1143G	✹
	80	35	4	10	LM 1144F	LM 1144	LM 1144G	✹
	100	25	4	11	LM 1145F	LM 1145	LM 1145G	✹
100	60	20	2	2	LM 1146F	LM 1146	LM 1146G	✹
125	80	22,5	3	3	LM 1147F	LM 1147	LM 1147G	✹
	80	22,5	4	4	LM 1148F	LM 1148	LM 1148G	✹
150	80	35	5	5	LM 1149F	LM 1149	LM 1149G	✹
	80	35	8	8	LM 1150F	LM 1150	LM 1150G	✹
200	150	25	10	10	LM 1151F	LM 1151	LM 1151G	✹
125	80	22,5	3	3	LM 1152F	LM 1152	LM 1152G	✹
150	80	35	6	6	LM 1153F	LM 1153	LM 1153G	✹
	80	35	8	8	LM 1154F	LM 1154	LM 1154G	✹
200	150	25	10	10	LM 1155F	LM 1155	LM 1155G	✹
100	60	20	2	2	LM 1156F	LM 1156	LM 1156G	✹
125	80	22,5	3,5	3,5	LM 1157F	LM 1157	LM 1157G	✹
	80	22,5	4	4	LM 1158F	LM 1158	LM 1158G	✹
	80	22,5	5	5	LM 1159F	LM 1159	LM 1159G	✹
150	80	35	6,5	6,5	LM 1160F	LM 1160	LM 1160G	✹
200	150	35	10	10	LM 1161F	LM 1161	LM 1161G	✹
150	80	35	2,5	5	LM 1162F	LM 1162	LM 1162G	✹
	80	35	4	8	LM 1163F	LM 1163	LM 1163G	✹
200	150	25	5	10	LM 1164F	LM 1164	LM 1164G	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

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DISCURI SPECIALE PENTRU TAIERE

EDCG

SPECIAL DISCS "CUT & GRIND"

Discuri diamantate electrodepuse cu granulatie mare. O banda diamantata deosebit de larga permite utilizarea acestor discuri atat pentru taiere cat si pentru polizare: o singura unealta pentru doua tipuri de prelucrari! pot fi folosite si pentru taieri profunde.
Granulatie standard D427, potrivita pentru utilizarea cu fibra de sticla, fibre incarcate si similare, materiale compozite, marmura materiale abrazive.

Electroplated Diamond discs with coarse grit size.
A very large Diamond coating side allow this special tools to cut and grind, only ONE tool for TWO works!
Employed also to deep cutting job.
Grit D427: to cut & grind glass fibre, aramid and natural fibres, kevlar, composites, reinforced thermoplastics.

115



125



230



DIMENSIUNI / DIMENSIONS*			COD / CODE	
DIAM. Ø	ORIF./HOLE Ø		D427	STOC
mm				
115	M 14	piatra abraziva pe o parte *one grinding side*	**EDCG-115**	✹
125	22,2	piatra abraziva pe ambele parti *two grinding sides*	**EDCG-125**	✹
230	FL 22,2	piatra abraziva pe o parte *one grinding side*	**EDCG-230**	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

DISCURI INTEGRALE PENTRU TRUNCHIERE CU AX

EDDW

INTEGRAL CUTTING DISCS

Discuri diamantate electrodepuse cu granulatie mare. Granulatie standard D427, potrivita pentru utilizarea cu fibra de sticla, fibre incarcate si similare, materiale compozite, marmura materiale abrazive.

Electroplated Diamond discs with coarse grit size. Standard grit D427: to cut & grind glass fibre, aramid and natural fibres, kevlar, composites, reinforced thermoplastics.



*DIMENSIUNI / DIMENSIONS**		*COD CODE*	
DIAM. Ø	*AX/SHANK* Ø	D427	STOC
mm			
30	6	**EDDW-30**	✹
40		**EDDW-40**	✹
50		**EDDW-50**	✹
65		**EDDW-65**	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

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DISCURI PENTRU TRUNCHIERE CU COROANA CONTINUA

EDDC

CONTINUOS RIM CUTTING DISCS

Discuri diamantate electrodepuse cu granulatie mare. Granulatie standard D427, potrivita pentru utilizarea cu fibra de sticla, fibre incarcate si similare, materiale compozite, marmura materiale abrazive.

Electroplated Diamond discs with coarse grit size. Standard grit size D427, to work fiberglass, aramid and natural fiber, kevlar, composites, reinforced termoplastics, marbles, abrasives.



DIMENSIUNI / DIMENSIONS*		COD CODE	
DIAM. Ø	ORIF./*HOLE* Ø	D427	STOC
mm			
30	6	EDDC-030	✹
40	6	EDDC-040	✹
50	6	EDDC-050	✹
60	6	EDDC-060	✹
75	6	EDDC-075	✹
100	22,2	EDDC-100	✹
115	22,2	EDDC-115	✹
125	22,2	EDDC-125	✹
150	22,2	EDDC-150	✹
180	22,2	EDDC-180	✹
200	22,2	EDDC-200	✹
230	22,2	EDDC-230	✹
250	25,4	EDDC-250	✹
300	25,4	EDDC-300	✹
350	25,4	EDDC-350	✹
400	40	EDDC-400	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. Alte dimensiuni (pana la DIA 1000 mm) se realizeaza la cerere / *Different hole on request. Custom-made diameter (till Dia 1000 mm) on request*

ARBORE ax Ø 6 mm pentru discuri cu orif. Ø 6 mm *SHANK Ø 6 mm for discs with hole Ø 6 mm*	COD	STOC
	T1A1RD6	✹

DISCURI PENTRU TRUNCHIERE COROANA CU SECTOARE

EDDS

SECTOR RIM CUTTING DISCS

Discuri diamantate electrodepuse cu granulatie mare. Coroana cu sectoare faciliteaza evacuarea aschiilor si permite racirea taisului.
Granulatie standard D427, potrivita pentru utilizarea cu fibra de sticla, fibre incarcate si similare, materiale compozite, marmura materiale abrazive.

Electroplated Diamond discs with coarse grit size.
The sector rim facilitates the discharge of the chip, and cools the cutting side.
Standard grit size D427, to work fiberglass, aramid and natural fiber, kevlar, composites, reinforced termoplastics, marbles, abrasives.



DIMENSIUNI / DIMENSIONS*		COD CODE	
DIAM. Ø	ORIF./HOLE Ø	D427	STOC
mm			
115	22,2	**EDDS-115**	✸
125	22,2	**EDDS-125**	✸
150	22,2	**EDDS-150**	✸
180	22,2	**EDDS-180**	✸
200	22,2	**EDDS-200**	✸
230	22,2	**EDDS-230**	✸
250	25,4	**EDDS-250**	✸
300	25,4	**EDDS-300**	✸
350	25,4	**EDDS-350**	✸
400	50	**EDDS-400**	✸

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. Alte dimensiuni (pana la DIA 1000 mm) se realizeaza la cerere / *Different holes on request. Custom-made diameter (till Dia 1000 mm) on request.*



CU FLANSA - *WITH FLANGE*

DIMENSIUNI / DIMENSIONS*		COD CODE	
DIAM. Ø	ORIF./HOLE Ø	D427	STOC
mm			
115	M 14	**EDDSF-115**	✸
125	M 14	**EDDSF-125**	✸
230	22,2	**EDDSF-230**	✸

M14: flansa cu filet standard pentru polizor unghiular
Treathed M14 hole flange for anglegrinders.
22,2: flansa cu orificiu de 22,2 pentru polizor unghiular.
Hole flange 22,2 for angle grinders.

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DISCURI PENTRU TRUNCHIERE COROANA CONTINUA CU BENZI LATERALE

EDDCL

CONTINUOS RIM CUTTING DISCS WITH LATERAL PADS

Discuri diamantate electrodepuse cu granulatie mare. Benzile laterale faciliteaza taierea de materiale cu grosime elevata.
Granulatie standard D427, potrivita pentru utilizarea cu fibra de sticla, fibre incarcate si similare, materiale compozite, marmura materiale abrazive.

Electroplated Diamond discs with coarse grit size. The lateral pads facilitate the cutting of high thickness materials.
Standard grit size D427, to work fiberglass, aramid and natural fiber, kevlar, composites, reinforced termoplastics, marbles, abrasives.



*DIMENSIUNI / DIMENSIONS**		*COD ☒CODE*	
DIAM. Ø	*ORIF./HOLE* Ø	D427	STOC
mm			
40	6	**EDDCL-40**	✹
50	6	**EDDCL-50**	✹
60	6	**EDDCL-60**	✹
75	6	**EDDCL-75**	✹
100	22,2	**EDDCL-100**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. Alte dimensiuni (pana la DIAM. 1000 mm) se realizeaza la cerere / *Different holes on request. Custom-made diameter (till Dia 1000 mm) on request.*

DISCURI PENTRU TRUNCHIERE COROANA CU SECTOARE SI BENZI LATERALE

EDDSL

SECTOR RIM CUTTING DISCS WITH LATERAL PADS

Discuri diamantate electrodepuse cu granulatie mare. Benzile laterale faciliteaza taierea de materiale cu grosime elevata.
Granulatie standard D427, potrivita pentru utilizarea cu fibra de sticla, fibre incarcate si similare, materiale compozite, marmura materiale abrazive.

Electroplated Diamond discs with coarse grit size.
The lateral pads facilitate the cutting of high thickness materials.
Standard grit size D427, to work fiberglass, aramid and natural fiber, kevlar, composites, reinforced termoplastics, marbles, abrasives.



*DIMENSIUNI / DIMENSIONS**		*COD CODE*	
DIAM. Ø	*ORIF./HOLE Ø*	D427	STOC
mm			
115	22,2	**EDDSL-115**	✹
125	22,2	**EDDSL-125**	✹
150	22,2	**EDDSL-150**	✹
180	22,2	**EDDSL-180**	✹
230	22,2	**EDDSL-230**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. Alte dimensiuni (pana la DIAM. 1000 mm) se realizeaza la cerere / *Different holes on request. Custom-made diameter (till Dia 1000 mm) on request.*



CU FLANSA - *WITH FLANGE*

*DIMENSIUNI / DIMENSIONS**		*COD CODE*	
DIAM. Ø	*ORIF./HOLE Ø*	D427	STOC
mm			
115	M14	**EDDSFL-115**	✹
125	M14	**EDDSFL-125**	✹
230	22,2	**EDDSFL-230**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. Alte dimensiuni (pana la DIAM. 1000 mm) se realizeaza la cerere / *Different holes on request. Custom-made diameter (till Dia 1000 mm) on request.*

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DISCURI CONVEXE PENTRU TAIERE PE CURB

EDDB

CONCAVE CUTTING DISCS WITH LATERAL PADS

Discuri diamantate electrodepuse cu granulatie mare. Utilizate pentru taiere pe curb productia de blaturi pentru bai si bucatarii.
Granulatie standard D427, potrivita pentru utilizarea cu materiale sintetice speciale si marmura.

Electroplated Diamond discs with coarse grit size. Employed for curved cuttings, to produce vanity tops and marble kitchen tops.
Standard grit size D427, suitable for use on synthetic materials and special marbles.



*DIMENSIUNI / DIMENSIONS**		*COD CODE*	
DIAM. Ø	*ORIF./HOLE* Ø	D427	STOC
mm			
100	22,2	**EDDB-100**	✹
115	22,2	**EDDB-115**	✹
125	22,2	**EDDB-125**	✹
160	22,2	**EDDB-160**	✹
180	22,2	**EDDB-180**	✹
230	22,2	**EDDB-230**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. Alte dimensiuni (pana la DIAM. 1000 mm) se realizeaza la cerere / *Different holes on request. Custom-made diameter (till Dia 1000 mm) on request.*

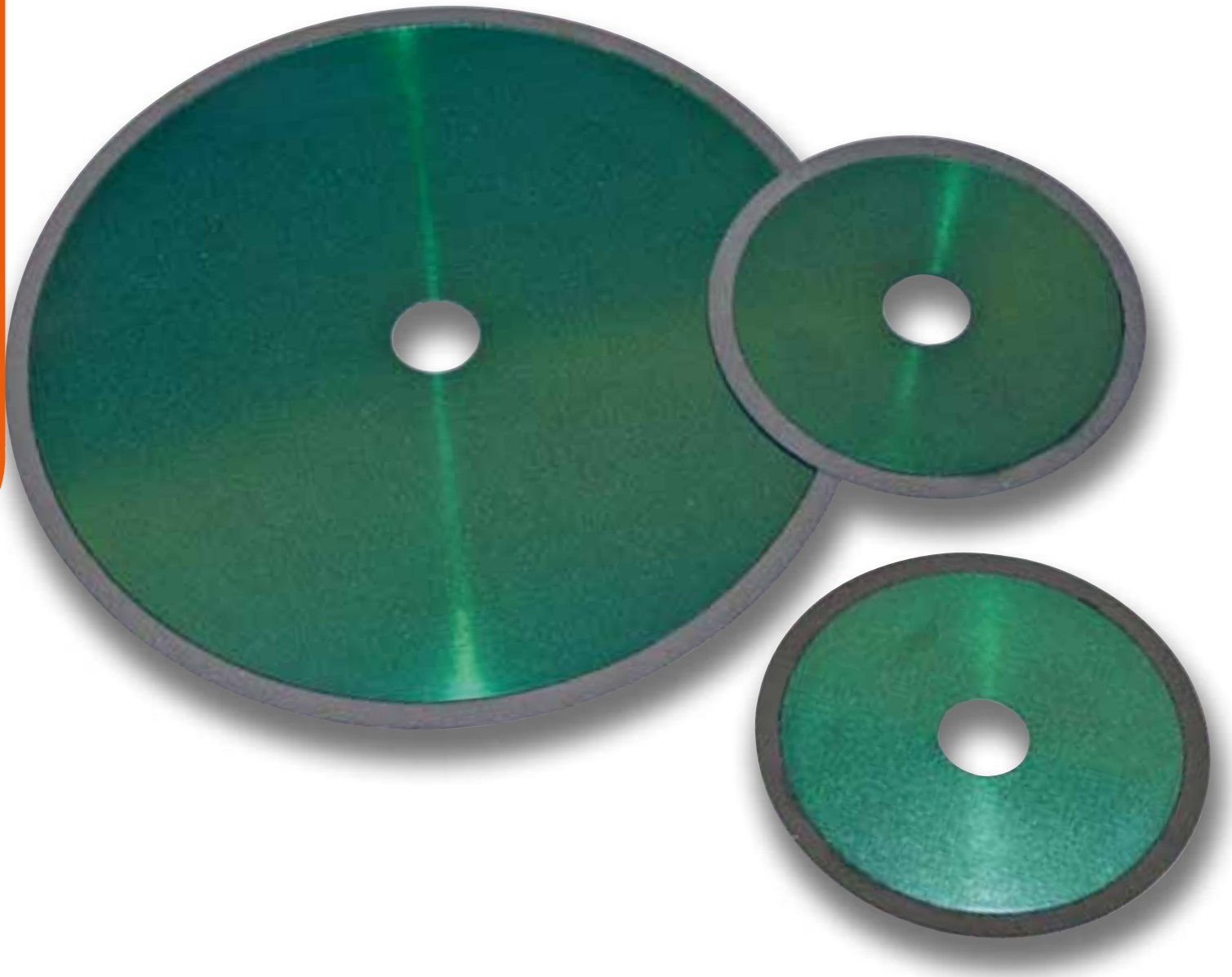
DISCURI PENTRU TRUNCHIERE CU LIANT REZINOID

RBDC

RESIN BOND CUTTING DISCS

Discuri diamantate si CBN cu liant rezinoid pentru taierea de metale tari, oteluri rapide, ferita, si ceramici tehnice.

Resin bond cutting dicsc to cut hard metal, high-speed steel, ferrite, ceramics.



DIMENSIUNI / DIMENSIONS				*COD CODE*			
DIAM. Ø	*ORIF./HOLE Ø*	GROSIME/ *THICKNESS*	LATIME BANDA ABRAZIVA/ *WIDTH ABRASIVE*	D151	STOC	B151	STOC
mm							
75	20*	1	6	**RBDC-D075**	✹	**RBDC-B075**	✹
100		1		**RBDC-D100**	✹	**RBDC-B100**	✹
125		1		**RBDC-D125**	✹	**RBDC-B125**	✹
150		1		**RBDC-D150**	✹	**RBDC-B150**	✹
200		1,2		**RBDC-D200**	✹	**RBDC-B200**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. / *Different hole on request.*

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DISCURI INTEGRALE PENTRU ASCUTIT

EDDAI

INTEGRAL SHARPENING DISCS

Sunt alcatuite dintr-un corp din aluminiu pe care se aplica o placa subtire diamantata fixa de otel. Se folosesc pentru orice fel de operatiuni de ascutire.
Aceste discuri sunt foarte usoare si au o durata considerabila. Pot fi utilizate in mediu uscat sau umed.
Disponibile intr-o gama vasta de granulometrii, de la degrosare la lustruire.

They consist of a body in aluminum, where is permanently applied a Diamond steel sheet. Suitable for sharpening operations of any kind.
These discs are extremely light and of considerable duration. Use dry or wet.
Available in a wide radius of sizes, from roughing to lapping.



ORIF./HOLE Ø mm	GRANUL. MESH MESH GRIT	COD / CODE					
		DIAM. Ø	COD.	STOC	DIAM. Ø	COD.	STOC
12,5	100	150	EDDAI-15	✹	200	EDDAI-20	✹
	180						
	360						
	600						
	1200						
	3000						

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. / *Different hole on request.*

DISCURI COMPUSE PENTRU ASCUTIT

EDDAC

COMPOSED SHARPENING DISCS

Sunt alcatuite din doua parti: o baza reutilizabila din aluminiu si o baza din otel diamantat. Formatul special permite fixarea de corpul din aluminiu in momentul inchiderii pe arbore. Pot fi folosite pentru orice operatiuni de ascutire. Aceste discuri sunt foarte usoare si au o durata considerabila. Pot fi utilizate in mediu uscat sau umed. Disponibile intr-o gama vasta de granulometrii, de la degrosare la lustruire.

It consists of two parts: a reusable aluminum and steel base in a Diamond. The special shape allows attachment to the aluminum body at the time of closing the tree. Suitable for sharpening operations of any kind. These discs are extremely light and of considerable duration. Use dry or wet. Available in a wide range of sizes, from roughing to lapping.



ORIF./HOLE Ø mm	GRANUL MESH *MESH GRIT*	COD / *CODE*					
		DIAM. Ø	COD.	STOC	DIAM. Ø	COD.	STOC
12,7	100	150	**EDDAC-15**	✹	200	**EDDAC-20**	✹
	180						
	360						
	600						
	1200						
	3000						

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. / *Different hole on request.*

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PIATRA TIP CANA CONICA PENTRU ASCUTIT DALTE

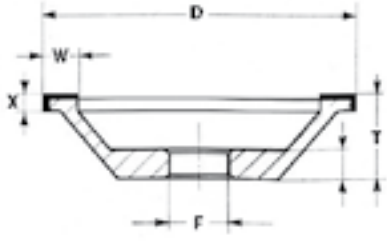
12C9

Pietre electrodepuse din Diamant sau CBN cu cana conica pentru ascutirea de dalte .
Granulatia D151 este utilizata pentru degrosare. Granulatia D76 este utilizata pentru semifinisare si finisare.

CONICAL CUP WHEELS FOR GRAVER SHARPENING

Electroplated Diamond wheels in Diamond or CBN for sharpening conical cup gravers. Grit size D151 is used for roughing. Grit size D76 for semi-finishing and finishing.





*DIMENSIUNI / DIMENSIONS**					DIAMANT / *DIAMOND*			CBN (Borazon®)		
DIAM. Ø D	*ORIF./HOLE* Ø	T	BANDA /*BAND* W	X	D151	D76	STOC	B151	B76	STOC
mm										
100	20	30	10	3	**12C9-ED100**	**12C9-ED100F**	✹	**12C9-EB099**	**12C9-EB099F**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. / *Different hole on request..*

DISC SPECIAL PENTRU ASCUTIT

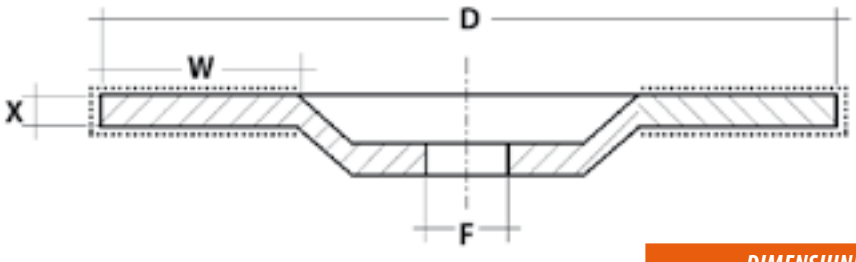
EDPL MCK

SPECIAL SHARPENING PAD

Electrodepus din Diamant cu granulatie universala pe ambele parti, cconceput pentru a satisface cele mai variate exigente de ascutire. In general, nu este adecvat pentru operatiuni de degrosare.
Forma speciala, impreuna cu greutatea redusa si versatilitatea,ne ne permite utilizarea pentru ascutirea de:
- dalte si burghie, burghie elicoidale
- insertii Widia, ceramica, CBN
- lame si cutite de tipuri diferite (si de forfecute, foarfeci, ...)
- Unelte din HSS

Produced in a "universal Diamond grit", both sides covered, created to satisfy the most varied needs sharpening. Not suitable for roughing operations in general.
The special conformation, combined with its lightness and versatility, it allows for the use in sharpening of:
- gravers and drills, twist drills
- widia inserts, ceramic, CBN
- blades and knives various kinds (including scissors, shears, ...)
- HSS tools





*DIMENSIUNI / DIMENSIONS**				DIAMANT / *DIAMOND*	
DIAM. Ø D	*ORIF./HOLE* Ø	BANDA DUBLA / *DOUBLE BAND* W	X	D91	STOC
mm					
110	10	25	3	**EDPL-MCK**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. / *Different hole on request.*

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DISCURI PENTRU POLIZARE

EDPL

GRINDING PADS

Realizate cu granulatie mare, sunt adecvate pentru polizarea cu masini portabile. Pot fi utilizate cu fibra de sticla, fibre incarcate si similare, materiale compozite, marmura, materiale abrazive.

Made with coarse grit size, suitable for grinding with portable equipment. Used on fiberglass, composite materials, marble, abrasives.

120



100



*DIMENSIUNI / DIMENSIONS**			*COD CODE*	
DIAM. Ø D	*ORIF./HOLE* Ø	BANDA / *BAND*		STOC
mm				
100	M14	20	**EDPL 100**	✹
120	22,2	30	**EDPL 120**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

LAME DIAMANTATE PENTRU FIERASTRAU MECANIC

LSA

Lame diamantate pentru fierastraie mecanice, pentru aparate cu racord Bosch, Makita, Ober, Black & Decker, etc.
Extrem de agresive si cu durata mara de viata, sunt indicate pentru taierea de materiale plastice armate.
Disponibile in stoc din modelul racord "Bosch" lungime 80 mm.
Se pot produce si pentru toate celelalte tipuri de racorduri disponibile pe piata.
Realizam lame speciale de orice forma.

BLADES FOR JIG SAWS

Diamond blade for jig saws as Bosch, Makita, Ober, Black & Decker, etc.
Highly aggressive and long-term life, are indicate for cutting reinforced plastic materials.
Available in stock in the model "Bosch", lenght 80 mm.
We can also produce all other attacks on the market.
We produce also blades of any special form.



GRANULATIE D252
Pentru carbon, materii plastice, compoziti.

GRIT D252
To work carbon fibres, plastic products, glass.

GRANULATIE D427
Pentru fibra de sticla, fibre incarcate si similare, compoziti, marmura, materiale abrazive.

GRIT D427
To work glass fibre, kevlar, composites, reinforced thermoplastics.

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LAME DIAMANTATE PENTRU FIERASTRAU CU BANDA

DIAMOND STEEL BAND SAW

LND

Lame diamantate electrodepuse pentru fierastraie cu banda. Se poate realiza pentru orice lungime.

Electroplated Diamond band saw. Any lenght is possible.



CUM COMANDAM

Specificati:
GROSIME BANDA
INALTIME BANDA
TIPOLOGIE
(continua, cu zimti sau speciala cu zimti)

HOW TO ORDER

Specify:
THICKNESS OF THE BAND
LENGHT OF THE BAND
MODEL REQUIRED
(continuos, segmented, special segmented)

COD	STOC
LND	✹

BURGHIE ELICOIDALE

PEL

TWIST DRILLS

Electrodepuse din Diamant. Racord cilindric.

Electroplated Diamond. Cylindrical connection.

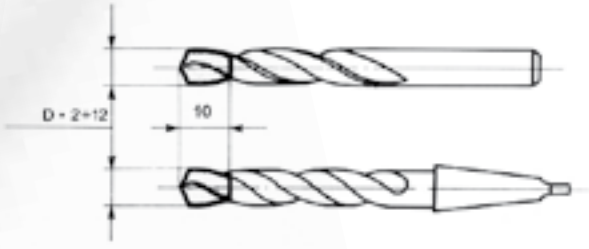


GRANULATIE D252
Pentru fibra de carbon, kevlar, compoziti, ceramici tehnice.

GRANULATIE D427
Pentru fibre de sticla, fibre incarcate si similare, compoziti, marmura, materiale abrazive.

GRIT D252
To work carbon fibres, kevlar, composites, technic ceramic.

GRIT D427
To work glass fibre, aramid fibre and natural fibres, kevlar, composites, reinforced thermoplastics.



*DIMENSIUNI / DIMENSIONS**	*COD CODE*		
BURGHIU / *DRILL Ø* mm	D252	D427	STOC
3	PEL-ED003 252	PEL-ED003 427	✹
4	PEL-ED004 252	PEL-ED004 427	✹
5	PEL-ED005 252	PEL-ED005 427	✹
6	PEL-ED006 252	PEL-ED006 427	✹
7	PEL-ED007 252	PEL-ED007 427	✹
8	PEL-ED008 252	PEL-ED008 427	✹
9	PEL-ED009 252	PEL-ED009 427	✹
10	PEL-ED010 252	PEL-ED010 427	✹
11	PEL-ED011 252	PEL-ED011 427	✹
12	PEL-ED012 252	PEL-ED012 427	✹
13	PEL-ED013 252	PEL-ED013 427	✹
14	PEL-ED014 252	PEL-ED014 427	✹
15	PEL-ED015 252	PEL-ED015 427	✹
16	PEL-ED016 252	PEL-ED016 427	✹
17	PEL-ED017 252	PEL-ED017 427	✹
18	PEL-ED018 252	PEL-ED018 427	✹

*N.B. Alte dimensiuni, chiar si cu racord tip con ISO, la cerere / *Different measures (also with ISO conic shanks) on request*

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FIERASTRAIE TIP CUPA (CAROTIERE)

FOR

HOLE SAWS

Electrodepuse din Diamant. Pentru fibre de sticla, fibre incarcate si similare, compoziti, marmura, materiale abrazive.

Electroplated Diamond. To work glass fibre, aramid fibre and natural fibres, kevlar, composites, reinforced thermoplastics.



DIAM. Ø mm	COD ☒CODE D427	STOC	DIAM. Ø mm	COD ☒CODE D427	STOC	DIAM. Ø mm	COD ☒CODE D427	STOC	DIAM. Ø mm	COD ☒CODE D427	STOC
14	FOR-ED 14	✹	35	FOR-ED 35	✹	64	FOR-ED 64	✹	102	FOR-ED 102	✹
16	FOR-ED 16	✹	37	FOR-ED 37	✹	65	FOR-ED 65	✹	105	FOR-ED 105	✹
17	FOR-ED 17	✹	38	FOR-ED 38	✹	67	FOR-ED 67	✹	108	FOR-ED 108	✹
19	FOR-ED 19	✹	40	FOR-ED 40	✹	68	FOR-ED 68	✹	111	FOR-ED 111	✹
20	FOR-ED 20	✹	41	FOR-ED 41	✹	70	FOR-ED 70	✹	114	FOR-ED 114	✹
21	FOR-ED 21	✹	43	FOR-ED 43	✹	73	FOR-ED 73	✹	121	FOR-ED 121	✹
22	FOR-ED 22	✹	44	FOR-ED 44	✹	76	FOR-ED 76	✹	127	FOR-ED 127	✹
24	FOR-ED 24	✹	46	FOR-ED 46	✹	79	FOR-ED 79	✹	140	FOR-ED 140	✹
25	FOR-ED 25	✹	48	FOR-ED 48	✹	83	FOR-ED 83	✹	152	FOR-ED 152	✹
27	FOR-ED 27	✹	51	FOR-ED 51	✹	86	FOR-ED 86	✹	160	FOR-ED 160	✹
29	FOR-ED 29	✹	52	FOR-ED52	✹	89	FOR-ED 89	✹	168	FOR-ED 168	✹
30	FOR-ED 30	✹	54	FOR-ED 54	✹	92	FOR-ED 92	✹	177	FOR-ED 177	✹
32	FOR-ED 32	✹	57	FOR-ED 57	✹	95	FOR-ED 95	✹	210	FOR-ED 210	✹
33	FOR-ED 33	✹	60	FOR-ED 60	✹	98	FOR-ED 98	✹	250	FOR-ED 250	✹

*N.B. Diverse marimi sunt disponibile la cerere. / *Different measure on request.*

ARBORE PENTRU CAROTIERE

racord hexagonal, varf pilot HSS

ARC ARUNCATOR *EJECTOR SPRING*

SHANK FOR HOLE SAW

exagonal shank, center drill HSS



DIAM. Ø de la/ *from*	la / *to* mm	CODICE *CODE*	STOC
14	30	MA11	✹
32	250	MA2	✹
32	250	MA3*	✹

*TIP CU DETASARE RAPIDA / *QUICK RELEASE TYPE*

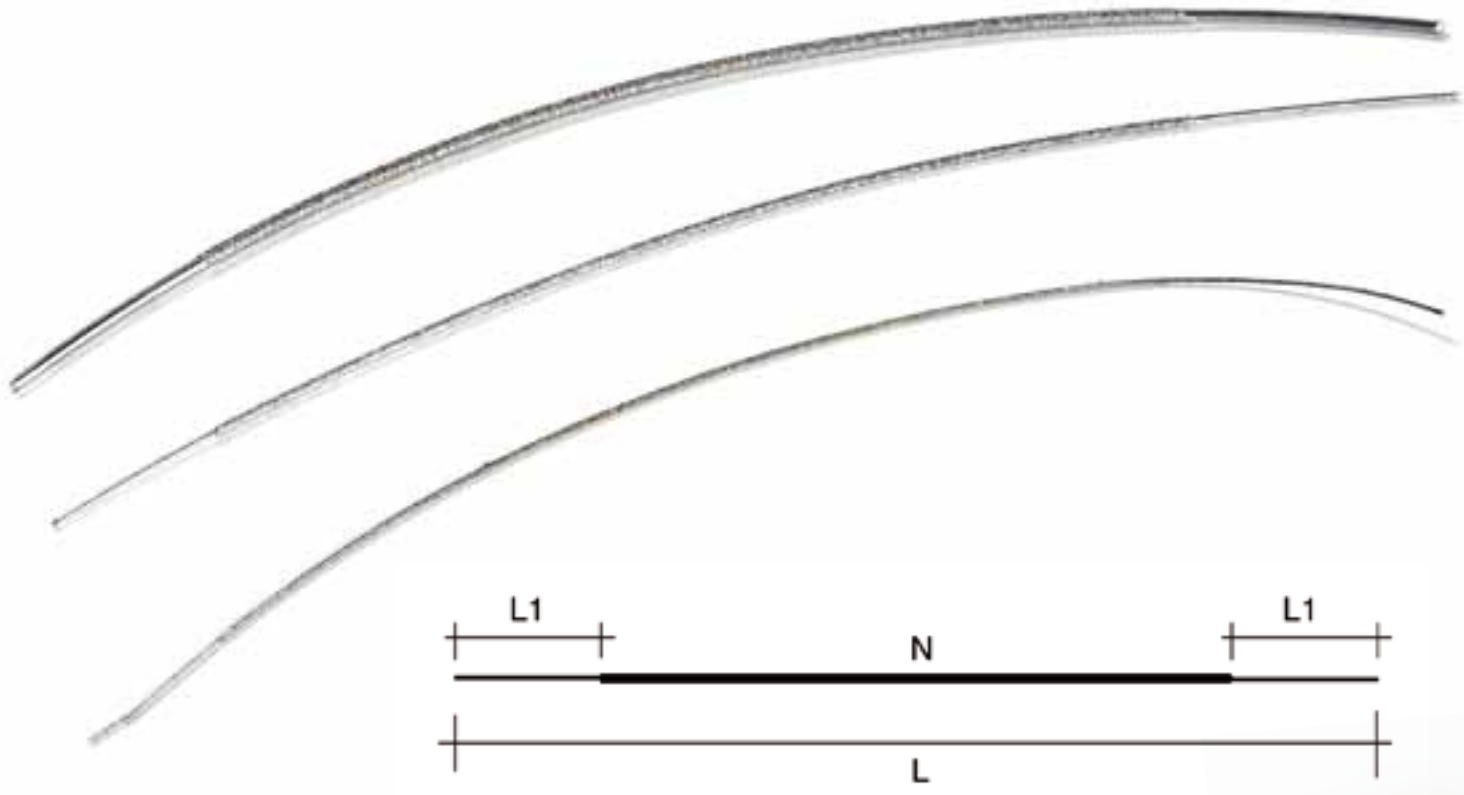
FIR DIN OTEL DIAMANTAT

EDFD

DIAMOND STEEL WIRE

Fir din otel cu partea centrala diamantata. Poate fi montat pe un arc si utilizat manual pentru taiere sau reutilizarea de compoziti, sticla, oteluri speciale, fibra de sticla, materiale abrazive, etc.

Steel wire with central Diamond side. It can be mounted on a bow and used manually to cut or adjust particulars in composite, glass, stainless steel, fiberglass, abrasives, etc..



				GRANULATIE DIAMANT					
				D46	D76	D107	D151		
*DIMENSIUNI / DIMENSIONS**								*COD CODE*	STOC
L	L1	N	Ø L1	Ø N					
mm									
140	20	100	0,3	0,4	0,5	0,6	0,7	EDFD	✹
			0,5	0,6	0,7	0,8	0,9	EDFD	✹
			0,6	0,7	0,8	0,9	1	EDFD	✹
			0,8	0,9	1	1,1	1,2	EDFD	✹
			1	1,1	1,2	1,3	1,4	EDFD	✹
			1,2	1,3	1,4	1,5	1,6	EDFD	✹
			1,5	1,6	1,7	1,8	1,9	EDFD	✹
			2	2,1	2,2	2,3	2,4	EDFD	✹
			2,5	2,6	2,7	2,8	2,9	EDFD	✹
			3	3,1	3,2	3,3	3,4	EDFD	✹

*N.B. Diametre si lungimi diferite sunt realizabile la cerere. / *Different diameters and lengths on request.*

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PASTA DIAMANTATA

PAD

DIAMOND COMPOUND

Pasta diamantata este produsa cu pulberi de Diamant de inalta calitate.
Selectia pulberilor precum si calitatea si puritatea Diamantului sunt controlate in mod riguros in faza de prepararea a pastei diamantate.
Alegerea corecta a granulometriei depinde de aplicare.
Producem doua tipuri de pasta diamantata:
Pasta de tip **PD/S**: o formula anhidra (fara apa) indicata pentru prelucrari specifice industriei mecanice.
Pasta de tip **PD/A**: pe baza de apa, care poate fi usor indepartata dupa prelucrare, indicata pentru laboratoarele metalografice.

The Diamond compound is made with Diamond of high quality.
The quality and purity of the Diamond is carefully controlled in the preparation of Diamond paste.
The proper choice of particle size depends by the application.
We produce two types of Diamond paste:
*Type **PD/S**: compound anhydrous (without water) suitable for machining of the mechanical specifications.*
*Type **PD/A**: water based compound, easy to remove after processing, suitable for metallographic laboratories.*

GRANULOMETRIE / *GRIT SIZE*			PD/S			PD/A		
CULOARE/ *COLOR*	MICRON	APLICARI *APPLICATIONS*	Seringa *Syringe* 5 cc	Seringa *Syringe* 10 cc	Borcan *Jar* 100 cc	Seringa *Syringe* 5 cc	Seringa *Syringe* 10 cc	Borcan *Jar* 100 cc
ALB / *WHITE*	0 / ½	Lustruire tip oglinda / *Mirror lapping*	✸	✸	✸	✸	✸	✸
ALB / *WHITE*	0 -1	Lustruire tip oglinda / *Mirror lapping*	✸	✸	✸	✸	✸	✸
IVORIU / *IVORY*	1 - 2	Lustruire tip oglinda / *Mirror lapping*	✸	✸	✸	✸	✸	✸
GALBEN / *YELLOW*	2 - 4	Lustruire / *Lapping*	✸	✸	✸	✸	✸	✸
PORTOCALIU / *ORANGE*	4 - 8	Lustruire / *Lapping*	✸	✸	✸	✸	✸	✸
VERDE / *GREEN*	6 - 12	Finisare / *Finishing*	✸	✸	✸	✸	✸	✸
ALBASTRU / *AZURE*	12 - 22	Pre-finisare / *Pre-finishing*	✸	✸	✸	✸	✸	✸
ROSU / *RED*	22 - 36	Finisare medie - Degrosare / *Medium finishing - Grinding*	✸	✸	✸	✸	✸	✸
VIOLET / *PURPLE*	36 - 54	Degrosare / *Grinding*	✸	✸	✸	✸	✸	✸



PASLA PENTRU PASTA DIAMANTATA

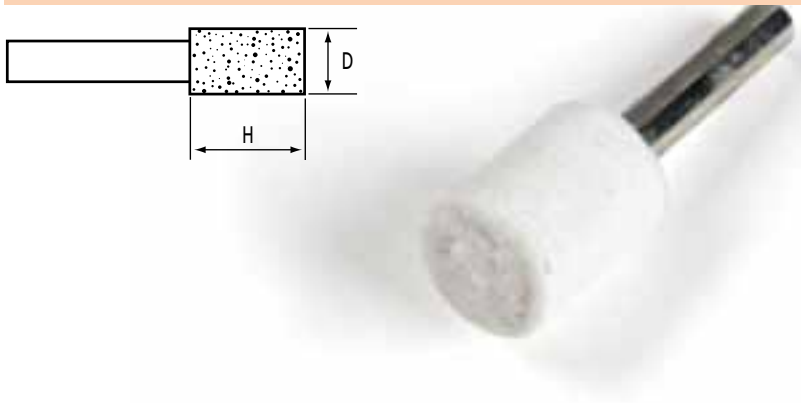
PAD-A

MOUNTED SHAPED FELT BOBS

Accesoriu pentru utilizarea pastei diamantate pentru tinisarea tip oglinda a matritelor pentru plastic, extrudere, etc. Ampla gama de forme si de dimensiuni permite chiar si lustruirea de piese cu forma complexa. Viteza recomandata: 5-10 m/s.

Essential for the use of Diamond paste to mirror finish for plastic molds, dies, etc. The wide radius of shapes and sizes also allows the polishing of a special form of complex.
Recommended speed: 5-10 m/s.

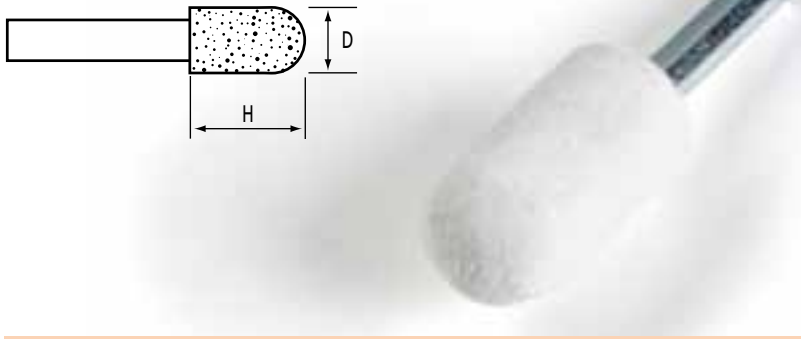
CAP CILINDRIC / *CYLINDRICAL HEAD*



DIMENSIUNI / DIMENSIONS*			COD CODE	
Ø D	H	AX / SHANK	D427	STOC
mm				
6	10	3	**FPD-CL06**	✹
8	10		**FPD-CL08**	✹
10	14	6	**FPD-CL10**	✹
15	20		**FPD-CL15**	✹
20	25		**FPD-CL20**	✹
25	30		**FPD-CL25**	✹
25	6	3	**FPD-CL256**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

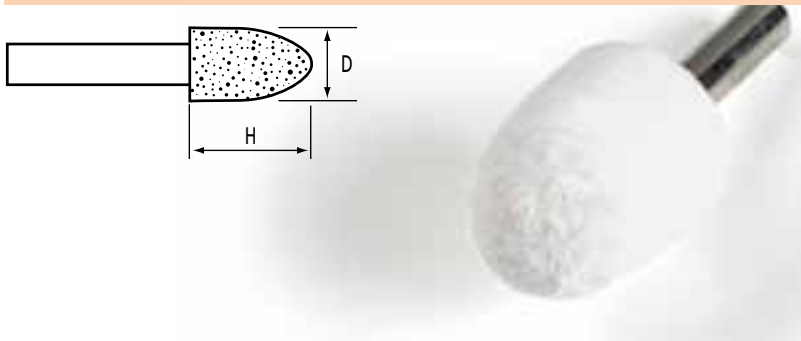
CAP CILINDRIC RADIANT / *RADIUS CYLINDRICAL HEAD*



DIMENSIUNI / DIMENSIONS*			COD CODE	
Ø D	H	AX / SHANK	D427	STOC
mm				
8	12	3	**FPD-CR10**	✹
15	20	6	**FPD-CR18**	✹
15	30		**FPD-CR19**	✹
20	25		**FPD-CR20**	✹
25	30		**FPD-CR21**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

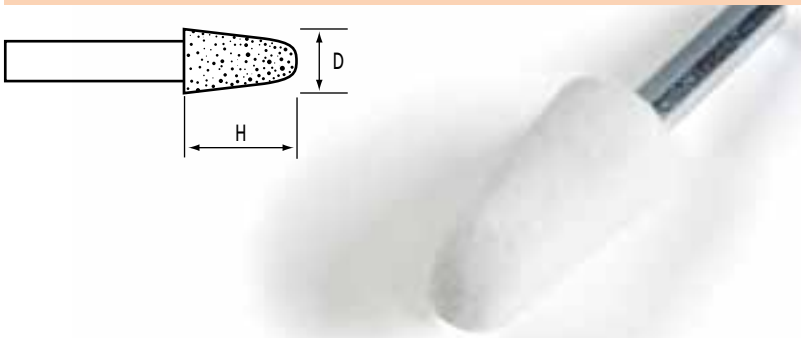
CAP OGIVA / *OGIVAE HEAD*



DIMENSIUNI / DIMENSIONS*			COD CODE	
Ø D	H	AX / SHANK	D427	STOC
mm				
8	12	3	**FPD-OG10**	✹
10	18	6	**FPD-OG10**	✹
15	30		**FPD-OG15**	✹
20	25		**FPD-OG20**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

CAP CONIC RADIANT / *RADIUS CONICAL HEAD*



DIMENSIUNI / DIMENSIONS*			COD CODE	
Ø D	H	AX / SHANK	D427	STOC
mm				
20	25	6	**FPD-CA20**	✹
25	30		**FPD-CA25**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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PANZA DIAMANTATA

TD

DIAMOND CLOTHS

Se poate taia usor chiar si cu ajutorul unei foarfeci simple. Datorita spatiilor dintre varfurile diamantate permite modelarea in functie de preferinte oferind posibilitatea de a realiza unelte cu forme speciale .
Diversele culori permit imediata identificare a granulometriei.
Panza diamantata se va utiliza intotdeauna umeda pentru a evita supraincalzirea si eventuala detasare a Diamantului de pe suport.

Easily crop even with simple scissors. Thanks to the spacing of the Diamond can be shaped offering the opportunity to build special tools.
The color allows the immediate identification of the grit size.
The Diamond cloths must always be used wet to prevent overheating and subsequent detachment Diamond support.

PANZA DIAMANTATA DE LIPIT

Ideale per mole sagomate cu corp din cauciuc. Se lipeste cu ajutorul unui adeziv normal neoprenic.

GRANULOMETRIE / *GRIT SIZE*			COD/ *CODE*	STOC
CULOARE/ *COLOR*	GRANUL/ *GRIT*	*DIMENSIUNI / DIMENSIONS*		
VERDE / *GREEN*	60	230x280	TDF-V	✹
NEGRU / *BLACK*	100		TDF-N	✹
ROSU / *RED*	200		TDF-R	✹
GALBEN / *YELLOW*	400		TDF-G	✹
ALB / *WHITE*	600		TDF-DM	✹
ALB / *WHITE*	800		TDF-DR	✹
VIOLET / *PURPLE*	1500		TDF-VR	✹
PORTOCALIU / *ORANGE*	3000		TDF-AR	✹

DIAMOND CLOTHS TO GLUE

Ideal for rubber body shaped wheels.
Bonds with a normal neoprene glue.



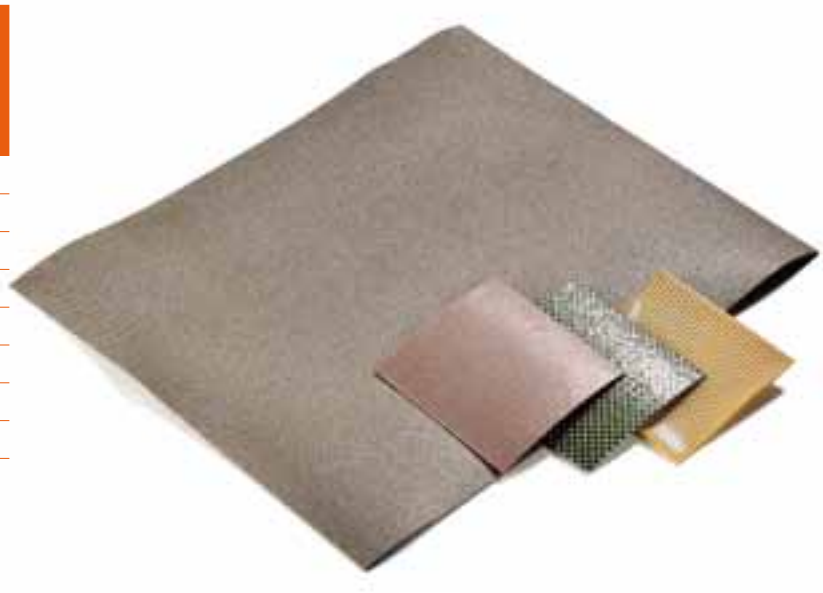
PANZA DIAMANTAT PE SUPORT ADEZIV

Ideala pentru unelte mici.

GRANULOMETRIE / *GRIT SIZE*				COD/ *CODE*	STOC
CULOARE/ *COLOR*	GRANUL/ *GRIT*	*DIMENSIUNI /* SERIA "Q" *"Q" SERIES*	SERIA "R" *"R" SERIES*		
VERDE / *GREEN*	60	75x75	230x280	TDA-V	✹
NEGRU / *BLACK*	100			TDA-N	✹
ROSU / *RED*	200			TDA-R	✹
GALBEN / *YELLOW*	400			TDA-G	✹
ALB / *WHITE*	600			TDA-DM	✹
ALB / *WHITE*	800			TDA-DR	✹
VIOLET / *PURPLE*	1500			TDA-VR	✹
PORTOCALIU / *ORANGE*	3000			TDA-AR	✹

ADHESIVE DIAMOND CLOTH

Ideal for little tools



BATOANE ADEZIVE DIN CAUCIUC

STG

RUBBER ABRASIVE STICKS

Se vor utiliza pentru curatirea si ajrea uneltelor electrodepuse si/sau cu liant rezinoid.
Sunt produse cu substante abrazive selectionate si cauciuc special.

To be used for cleaning and dressing electroplated, brazed or resin bond tools.
Products with selected abrasives and special tires.



		DIMENSIUNI / DIMENSIONS*			COD / CODE	STOC
		LUNGIME/ SHANK	SECTIUNE/SECTION			
			L1	L2		
		mm				
L1 L2	SECTIUNE ROTUNDA *ROUND SECTION*	150	15	15	**STG-AT15**	✹
L1 L2	SECTIUNE PATRATA *SQUARE SECTION*	200	20	20	**STG-AQR**	✹

*N.B. Dimensiunile sunt orientative / *Measures indicative.*

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UNEALTA PENTRU ASCUTIREA PIETRELOR ABRAZIVE CU UN SINGUR DIAMANT

RA

SINGLE POINT DIAMOND DRESSER

Unealta cu un singur varf din Diamant natural, potrivit pentru rectiviarea de pietre abrazive plate sau cu diverse profiluri.

A single point tool in natural Diamond, suitable to dress flat or shaped abrasive grinding wheels.



MASURA IN CARATE/*CARAT SIZE*	COD/ *CODE*	STOC
0,25	**RA025**	✹
0,50	**RA050**	✹
0,75	**RA075**	✹
1,00	**RA100**	✹
1,25	**RA125**	✹
1,50	**RA150**	✹
1,75	**RA175**	✹
2,00	**RA200**	✹

Ax standard de 10 x 60 mm. Poate fi modificat la cerere.
Standard shank mm. 10 x 60. Modifiable on request.

Alegerea corecta a marimii in carate

Alegerea marimii in carate se va face pe baza latimii benzii pietrei abrazive si a diametrului sau. In scop orientativ, se poate consulta urmatorul tabel:

Correct choice of carats

Choose the correct carats according to the width and diameter of abrasive wheels. Just as an indication, you can follow the following table:

L=LATIME PIATRA / *WHEEL'S WIDTH* mm	Ø = DIAM.PIATRA / *WHEEL'S DIAMETER* 100	200	300	400	500	600	700	800
20								
40								
60								
80								
100								
120								
140								
160								
180								
200								
220								
240								
260								
280								
300								

MARIMEA RECOMANDATA IN CARATE ***RECOMMENDED CARATS***

> 0,5 0,5	
- 0,75	
0,5 - 1	
0,75 - 1 1	
- 1,25	
1,5 - 1,75	
1,75 - 2	

Ex.:
Piatra abraziva **Ø** 400 mm x **L** 100 mm = **CARATE** 0,75 - 1

Es.:
Wheel **Ø** *400 mm x* **L** *100 mm =* ***CARAT*** *0,75 - 1*

FREZE TIP LUMANARE

EDFRG

FINGERS BITS

Freze tip lumanare cu caneluri si orificii pentru trecerea apei in prelucrarea marmurei cu aparate CNC.
Racord ½ toli gaz.
Model cu granulatia D602.

Finger bits to be used by CNC machine and routers for sink cutout and other purposes.
Shank ½ gas.
Standard grit size D602.



*DIMENSIUNI / DIMENSIONS**		*COD CODE*	
Ø D	L	D427	STOC
mm			
16	35	**EDFRG**	✹
16	40	**EDFRG**	✹
18	50	**EDFRG**	✹
18	60	**EDFRG**	✹
20	65	**EDFRG**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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PIATRA ABRAZIVA PENTRU MASINA DE ASCUTIT BUCIARDE

EDMB

WHEEL FOR BUSHHAMMER SHARPENING

Piatra abraziva cu profil special in "V", ideala pentru masina de ascutit buciarde.

Grinding "V" profile wheel, ideal for bushhammer sharpening machine.



DIMENSIUNI / DIMENSIONS*			COD CODE	
DIAM. Ø	GROSIME/ DEPTH	ORIF./HOLE Ø	D427	STOC
mm				
125	3	20	EDMB-125-3	✹
	6		EDMB-125-6	✹
	10		EDMB-125-10	✹
150	3	20	EDMB-150-3	✹
	6		EDMB-150-6	✹
	10		EDMB-150-10	✹
200	3	20	EDMB-200-3	✹
	6		EDMB-200-6	✹
	10		EDMB-200-10	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere. Alte dimensiuni (pana la DIAM. 1000 mm) se realizeaza la cerere / *Different hole on request. Custom-made-made diameter (till Dia 1000 mm) on request*

PIETRE ABRAZIVE CILINDRICE PENTRU POLIZOR

Racord standard M14.

EDMP

DIAMOND DRUM

M14 connection.



*DIMENSIUNI / DIMENSIONS**		*COD CODE*	
Ø D	H	D427	STOC
mm			
20	50	**EDMP FLEX**	✹
50	50	**EDMP FLEX**	✹
75	50	**EDMP FLEX**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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PIETRE ABRAZIVE RADIANTE PENTRU PROFILARE CU SONDE FIXE

HAND PROFILE RADIUS WHEELS – FIXED FEELER

EDMA

Racord standard M14. Diametru 115 mm.

Connection M14. Diameter 115mm.

PROFIL B - *B PROFILE*



raza concava
convex radius

*DIMENSIUNI / DIMENSIONS**	*COD / CODE*	
RAZA/*RADIUS* mm	RAZA CONCAVA/ *CONCAVE RADIUS*	STOC
5	EDMA FLEX + RAZA/*RADIUS*	✹
10		✹
15		✹
20		✹
25		✹
30		✹
40		✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

PIETRE ABRAZIVE RADIANTE PENTRU PROFILARE CU SONDE ROTATIVE

HAND PROFILE RADIUS WHEELS – SPINNING FEELER

EDMA-R
EDML-R

Racord standard M14.

Connection M14.

PROFIL B - *B PROFILE*

raza convexa
convex radius



raza concava
concave radius



*DIMENSIUNI / DIMENSIONS**	*COD / CODE*		
RAZA/*RADIUS* mm	RAZA CONCAVA/ *CONCAVE RADIUS*	RAZA CONVEXA/ *CONVEX RADIUS*	STOC
5	EDMA-R + RAZA/*RADIUS*	EDML-R + RAZA/*RADIUS*	✹
10			✹
15			✹
20			✹
25			✹
30			✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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CAROTIERE SPECIALE

EDFG

SPECIAL HOLE SAW

Carotiere speciale diamnadate racord 1/2 gaz sau burghiu. Pentru prelucrarea marmurei si pietrelor similare, dar sunt potrivite si pentru fibra de sticla, fibre incarcate, materiale abrazive, etc. Acest produs poate fi realizate cu lungimi personalizate, de pana la maxim 420 mm.

Connection ½ gas or drill. For marble and similar stones processing, but also suitable for fiberglass, composites, fiber, abrasives, etc.
This product is built using custom-made lengths, up to a maximum of 420 mm.



*DIMENSIUNI / DIMENSIONS**		*COD / CODE*	STOC
Ø D	L		
mm			
10		EDFG 10	✹
20		EDFG 20	✹
25		EDFG 25	✹
30		EDFG 30	✹
35		EDFG 35	✹
40		EDFG 40	✹
45		EDFG 45	✹
50		EDFG 50	✹
55		EDFG 55	✹
60		EDFG 60	✹
65		EDFG65	✹
70		EDFG 70	✹
75	*	EDFG 75	✹
80		EDFG 80	✹
90		EDFG 90	✹
100		EDFG 100	✹
110		EDFG 110	✹
120		EDFG 120	✹
130		EDFG 130	✹
140		EDFG 140	✹
150		EDFG 150	✹
160		EDFG 160	✹
170		EDFG 170	✹
180		EDFG 180	✹
190		EDFG 190	✹
200		EDFG 200	✹

*N.B. La cerere pot fi executate racorduri diferite. / *Different shanks on request.*

PIETRE ABRAZIVE SPECIALE PENTRU PROFILARE

EDMO

SPECIAL PROFILE WHEELS

Pietre abrazive speciale realizate la cerere.
Diametru max 900 mm.
Versiuni posibile diamantatura completa, alternata, cu corp frezat.

Special wheels to profiling. Build on request.
Max diameter 900 mm.
Possibilities: profile totally with Diamond, alternate Diamond strip, milled body.

PROFIL TIP TOR INTEG CONCAV SI CONVEX — ***FULL BULL NOSE***

PROFIL TIP SEMI-TOR CONCAV SI CONVEX — ***HALF BULL NOSE***

PIETRE ABRAZIVE PLATE PENTRU CANATURI — ***FLAT***

PROFILURI DIVERSE DE PIETRE PE BAZA DE DESEN — ***CUSTOMIZED SHAPED BY DRAWING***

DISCURI PENTRU STRUNG — ***LATHE WHEELS***















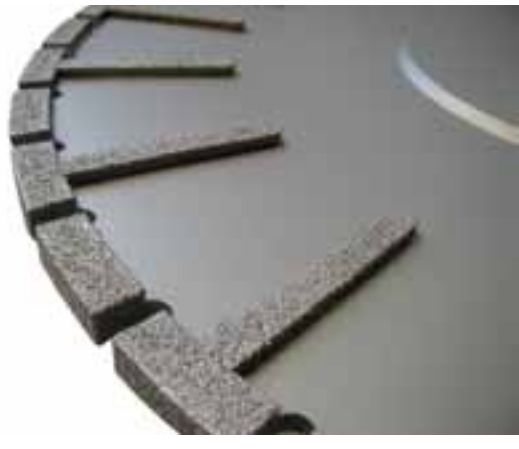







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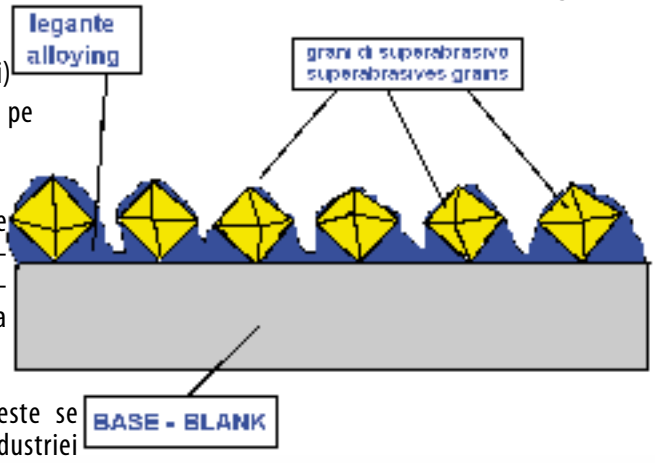
UNELTE BRAZATE (AVT)

BRAZED TOOLS (AVT)

La uneltele AVT (Advanced Vacuum Tools) singurul strat super-abraziv este fixat pe corpul metalic printr-o operatiune de brazura efectuata in anumite conditii de joasa presiune. Rezultatul este faptul ca particulele rezulta a fi mult mai expuse fata de uneltele electrodepuse. Avantajele sunt:

- agresivitate superioara, in special pentru granulometriile mari
- durata de viata mai mare (de la 3 la 5 ori)
- costuri de intretinere mai mici (efortul mai redus in timpul taierii prelungeste durata de viata a uneltei si reduce inter-ventiile de reparatii)
- posibilitate de utilizare chiar si pe granituri de duritate medie

Exista anumite dezavantaje, care reprezinta inconvenientul regenerarii, anumite limitari dimensionale, dificultatea in crearea de unelte pentru scopuri inalte.



Aceasta tipologie de unelte este se adreseaza in mod normal industriei de prelucrare a pietrei : marmu-ra, granit, si similare.

In the AVT tools the single layer of superabrasives is fixed to the blank by a metal brazing, performed in conditions of low pressure. The result is that the grain is much more exposed than in the electroplated tools.

The advantages are:

- *greater aggressiveness, especially with coarse grit sizes*
- *greater duration (3 to 5 times than electroplated)*
- *lower costs of maintenance (less fatigue during the process extended tool life and reduces the maintenance action)*
- *Allowed for use on granite of medium hardness*

Exist some disadvantages, which are not the convenience of regeneration, some dimensional limitations, the difficulty in creating tools with fine grit size.

This type of tools is usually directed to the processing of stones: marble, granite, and



PIETRE ABRAZIVE RADIANTE PENTRU PROFILARE CU SONDE ROTATIVE

HAND PROFILE RADIUS WHEELS SPINNING FEELER

SBMA SBML

Racord standard M14.

Connection M14.

PROFIL B - *B PROFILE*

raza concava
concave radius



PROFIL L - *L PROFILE*

raza convexa
convex radius



*DIMENSIUNI / DIMENSIONS**	*COD / CODE*		
RAZA/*RADIUS* mm	RAZA CONCAVA/ *CONCAVE RADIUS*	RAZA CONVEXA/ *CONVEX RADIUS*	STOC
5	SBMA FLEX + RAZA/*RADIUS*	SBML FLEX + RAZA/*RADIUS*	✸
10			✸
15			✸
20			✸
25			✸
30			✸

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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PIETRE ABRAZIVE INCLINATE LA 45° PENTRU PROFILARE CU SONDE ROTATIVE

Racord standard M14.

SBME

HAND PROFILE INCLINED 45° WHEELS – SPINNING FEELER

Connection M14.

PROFIL E - *E PROFILE*



*DIMENSIUNI / DIMENSIONS**	*COD ☒CODE*	
H 45° mm	PROFIL 45°/ *45° PROFILE*	STOC
5	SBME FLEX + H	✹
10		✹
15		✹
20		✹
30		✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

PIETRE ABRAZIVE CILINDRICE PLANE PENTRU POLIZOR

Racord standard M14.

SBMP

DIAMOND DRUM

M14 connection.



*DIMENSIUNI / DIMENSIONS**		*COD ☒CODE*	
Ø D	H	D427	STOC
mm			
20	50	**SBMP FLEX 20**	✹
50	50	**SBMP FLEX 50**	✹
75	50	**SBMP FLEX 75**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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PIETRE ABRAZIVE PENTRU JGHEAB PENTRU POLIZOR

Racord M14. Raza 4, grosime 8.

SBMG

DRIP WHEELS

M14 connection. Radius 4, thickness 8.



*DIMENSIUNI / DIMENSIONS**	*COD ☒CODE*	STOC
RAZA/RADIUS		
mm		
4	**SBMG FLEX-R4**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

PIETRE ABRAZIVE PENTRU BENZI ANTI-ALUNECARE PENTRU POLIZOR

SBMK

ANTI-SLIP STRIPS WHEELS

Racord M14. Latime banda 25, 40, sau grosime dubla 20+20.

M14 connection. Width band 25, 40, or double 20+20



H 25



H 40



H 20+20

*DIMENSIUNI / DIMENSIONS**	*COD CODE*	
H mm	D427	STOC
25	**SBMK FLEX 25**	✹
40	**SBMK FLEX 26**	✹
20+20	**SBMK FLEX 27**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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DISCURI ABRAZIVE PENTRU RECTIFICARE BRATURI

SBMS

Discuri abrazive pentru rectificarea de blaturi, diametru 85 mm, inaltime 20 mm, orificiu 50 mm. Sunt utilizate pe aparate CNC, permit indepartari mari de material cu o singura trecere .

STUBBING WHEELS

Stubbing wheels for recess on top, diameter 85 mm, height 20 mm, hole 50 mm.
It is used on CNC machines, allows a large removal of material with a single pass.



COD ☒CODE	STOC
SBMS 8520	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

FIERASTRAIE TIP CUPA (CAROTIERE) CU ELEMENTE DE RIGIDIZARE

SBFOR

HOLE SAWS WITH STIFFENERS

Diamantarea efectuata si pe corp il protejeaza impotriva uzurii si permite efectuarea de gauri chiar si in cazul unor grosimi mari. Racord standard M16, variabil cu adaptoarele disponibile.

The Diamond on the body protects the body from consumption and allows tor drilling holes at high thicknesses. Standard connection M16, variable with adapters available.



DIMENSIUNI / DIMENSIONS*	COD CODE	
Ø D mm	D427	STOC
10	**SBFOR 10**	✹
15	**SBFOR 15**	✹
20	**SBFOR 20**	✹
25	**SBFOR 25**	✹
30	**SBFOR 30**	✹
32	**SBFOR 32**	✹
35	**SBFOR 35**	✹
40	**SBFOR 40**	✹
50	**SBFOR 50**	✹
60	**SBFOR 60**	✹
70	**SBFOR 70**	✹
80	**SBFOR 80**	✹
90	**SBFOR 90**	✹
100	**SBFOR 100**	✹
120	**SBFOR 120**	✹
130	**SBFOR 130**	✹
140	**SBFOR 140**	✹
150	**SBFOR 150**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

adaptoare - *adaptors*

DIMENSIUNI / DIMENSIONS*		COD CODE	STOC
De la / *From*	La / *To*		
M16	CILINDRIC	**MA30**	✹
M16	M14	**MA35**	✹
M16	1/2 GAZ	**MA40**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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FIERASTRAIE MICI TIP CUPA (CAROTIERE) SPECIALE

SBF

SPECIAL LITTLE HOLE SAWS

Unealta speciala diamantata care permite gaurirea fara imperfectiuni a plasticului armat, a sticlei, a materialelor compozite, a fibrei din carboni in lamele subtiri, a faiantei, a gresiei, a marmurei, a materialelor abrazive

Special Diamond tool that allows you to drill without imperfections reinforced plastic, glass, composites, carbon fiber in thin sheets, tiles, stoneware, marble, abrasive.



Cu racord pentru burghiu *With drill connection*

*DIMENSIUNI / DIMENSIONS** Ø D mm	*COD / CODE*	STOC
5	**SBF05**	✹
6	**SBF06**	✹
8	**SBF08**	✹
10	**SBF10**	✹
12	**SBF12**	✹
14	**SBF14**	✹
15	**SBF15**	✹
17	**SBF17**	✹
20	**SBF20**	✹
25	**SBF25**	✹
27	**SBF27**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

Racord M14 cu filet pentru polizor *Threaded M14 connection for flex grinder*

*DIMENSIUNI / DIMENSIONS** Ø D mm	*COD CODE*	STOC
5	**SBFM05**	✹
6	**SBFM06**	✹
8	**SBFM08**	✹
10	**SBFM10**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

DISCURI PENTRU POLIZARE PENTRU FLEXIBIL

SBPL

GRINDING PADS FOR GRINDER MACHINE

Racord pentru M14 pentru utilizarea cu polizorul. Capacitatea mare de indepartare a materialului, durata lunga de viata si robustetea sunt proprietatile care caracterizeaza discul nostru.

Attachment M14 used on the grinder. Large removal capacity, long life and strength are the characteristics that distinguish our pad.



DIMENSIUNI / *DIMENSIONS**			COD / *CODE*	
DIAM. Ø D	*ORIF./HOLE* Ø	BANDA / *BAND*		STOC
mm				
100	M14F	30	**SBPL**	✹

*N.B. Dimensiunile sunt orientative. / *Measures indicative.*

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DISCURI SPECIALE PENTRU POLIZARE

SBHD

SPECIAL GRINDING DISCS

Pot fi utilizate cu polizoarele portabile asemenea discurilor abrazive traditionale, dar avand in vedere faptul ca sunt produse cu Diamant, sunt foarte agresive si rezistente.
Sunt folosite pentru polizarea de fibre de sticla, fibre aramidice si naturale, kevlar, compoziti, termoplastice armate, dar si pentru marmura, granit, pietre de constructie si multe alte materiale tari.

Employed on portable sanding machine like a traditional abrasive, but you'll have all the advantage of a real "quick removal Diamond grinding discs!
To grind fiberglass, aramid and natural fibres, kevlar, composites, reinforced thermoplastics, but also marbles, granites, construction stones, and many other hard materials.



DIMENSIUNI / *DIMENSIONS**		RPM DE SERIE / *RPM RADIUS*		GRANULATIE *GRIT*	*COD ☒CODE*	
DIAM. Ø	*ORIF./HOLE* Ø	OPTIM/ *OPTIMAL*	MAX			STOC
mm						
115	22,2	9.000/11.000	13.500	fina/*fine*	**SBHD-115F**	✹
				medie/*medium*	**SBHD-115M**	✹
				grosiera/*coarse*	**SBHD-115C**	✹
125		8.000/10.000	12.000	fina/*fine*	**SBHD-125F**	✹
				medie/*medium*	**SBHD-125M**	✹
				grosiera/*coarse*	**SBHD-125C**	✹
178		5.000/6.500	8.500	fina/*fine*	**SBHD-178F**	✹
				medie/*medium*	**SBHD-178M**	✹
				grosiera/*coarse*	**SBHD-178C**	✹

*N.B. Orificii de dimensiuni diferite se realizeaza la cerere / *Measures indicative.*

FREZE TIP LUMANARE

SBFG

FINGERS BITS

Freze tip lumanare cu caneluri si orificii pentru trecerea apei in prelucrarea marmurei cu aparate CNC.
Racord ½ toli gaz.
Model cu granulatia D602.

Finger bits to be used by CNC machine and routers for sink cutout and other purposes.
Shank ½ gas.
Standard grit size D602.



DIMENSIUNI / DIMENSIONS*		COD / CODE	
Ø D	H	D427	STOC
mm			
16	35	SBFG	✹
16	45	SBFG	✹
18	75	SBFG	✹
20	65	SBFG	✹
20	85	SBFG	✹

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NOTE

CONDITII GENERALE DE VANZARE

PREMISA
Urmatoarele conditii se considera ca fiind cunoscute de catre Client si din acest motiv,fiecare comanda implica acceptarea acestuia si ulterioara anulare a Conditiilor de cumparare propuse de acesta.

CONTRACT DE VANZARE
Contractul de vanzare se considera incheiat la sediul firmei LEOMA DIAMANT Srl cu acceptarea comenzilor, atat directe cat si efectuate prinintermediul delegatilor nostri. Comenzile de unelte speciale sau pe baza desenului Clientului, se vor trimite in scris si nu vor putea fi anulate de catre firma beneficiara.

PRETURI
Sunt exprimate in Euro, fara TVA si alte taxe, fara erori si/sau omisiuni, si se considera Franco sediul nostru, ambalaj exclus. Aceleasi preturi vor avea valabilitatea indicata in lista de preturi. In cazul uneltelor care nu se gasesc in catalog, valabilitatea va fi cea indicata in oferta sau in confirmarea comenzii.

TRANSPORT
Marfa calatoreste intotdeauna pe riscul, pericolul si contul cumparatorului. Din acest motiv, firma LEOMA DIAMANT Srl nu este responsabila de deteriorari, defectiuni, intarzieri, amenzi sau alte prejudicii directe sau indirecte, sau daune de orice fel, care ar putea aparea in timpul transportu-lui. Marfa transportata nu este asigurata de catre vanzator cu exceptia situatiei in care acest lucru este stabilit in mod expres intre parti.

MARFURI TRIMISE SPRE PRELUCRARE
Nu se vor accepta marfurile trimise spre prelucrare in Ex Works EXW decat daca s-a stabilit astfel in prealabil. Responsabilitatea firmei LEOMA DIAMANT Srl este limitata la prelucrarea efectuata. In acest sens, orice defect care rezulta din vicii ascunse sau mai putin ascunse ale materialelor trimise, nu va putea fi imputat firmei LEOMA DIAMANT Srl.

AMBALAJ
In mod normal ambalajul este inclus in pret. Marfa care urmeaza sa se expedieze este ambalata in conformitate cu practicile comerciale cu excluderea oricarei responsabilitati din partea firmei LEOMA DIAMANT Srl. Totusi, in cazul in care dimensiunile sau complexitatea sau fragilitatea deosebita a uneltei fac necesara construirea de ambalaje speciale, costul acestora va fi suportat de catre Client.

RECLAMATII
Sunt acceptate doar daca ne parvin in scris, in termen de 7 zile de la primirea marfii de catre Client.

STORNARI
Stornarile sunt acceptate doar daca sunt concordate si autorizate in prealabil. Va fi primita inapoi doar marfa standard, in nici un caz deteriorata si trimisa in ambalajul propriu.

GARANTII
Materialul recunoscut ca fiind defectuos in maxim 12 luni de la furnizare va fi inlocuit sau reparat in mod gratuit. In caz de materiale care se demonstreaza a fi defectuoase din cauza unei utilizari gresite si/sau improprii, sau din cauza unor deteriorari sau a unor accidente aparute in urma instalarii, adaptarii, modificarii sau utilizarii produsului si, in general, pentru toate daunele indirecte, garantia nu este valabila. In caz de litigii, expertiza tehnică a producătorului este definitivă.

DREPTUL DE A REFUZA FURNIZAREA
In cazul unor evenimente de forta majora si de alte circumstante, chiar si de natura politica care impiedica aprovizionarea regulara sau utilizarea libera a materiilor prime sau mijloacelor de lucru, permit vanzatorului, la alegerea sa, sa modifice timpii de livrare pentru intreaga partida de marfa sau doar pentru o parte a acesteia sau sa renunte in tot sau in parte la contract, fara ca cumparatorul sa aibe vreo pretentie de la firma LEOMA DIAMANT Srl. Drept caz de forta majora se considera si accidentelei (de munca, bolile, etc.) si orice alta circumstanta de care poate depinde o reducere totala sau partiala de munca, precum si lipsa de materii prime, dificultatea de transport si aprovizionarea cu energie electrica. In cazul in care vanzatorul nu a renuntat la contract, ca urmare a interventiei sau cauzelor de forta majora, angajamentul cumparatorului de a ridica bunurile ramane valabil, in ciuda livrarii intarziate.

FACTURARE
In mod normal, facturarea se face in ultima zi lucratoare a lunii in care a fost expediata marfa. Factura va insuma toate Documentele de transport ale lunii respective, cu exceptia cazului in care se prevede altfel. Este responsabilitatea beneficiarului sa verifice exactitatea datelor fiscale si personale..

PLATI
Conditiile de plata sunt stabilite in momentul efectuarii comenzii sau al confirmarii din partea firmei LEOMA DIAMANT Srl. Valuta de facturare este in mod obligatoriu aceeasi ca pentru efectuarea platii, plata se va efectua fara aplicarea de reduceri, rotunjiri sau alte reduceri nestabilite in scris. In caz de neplata sau de intarziere a platii, comenzile si expedierile sunt suspendate pana la efectuarea platii. Pentru platile efectuate cu intarziere se percep penalitati.

REZERVA DE PROPRIETATE
Pana la efectuarea integrala a platii oricarui tip de credit care deriva di relatiile de afaceri, inclus fiind orice credit accesoriu si pana la efectuarea platii efectelor si/sau cecurilor acordate, proprietatea marfii este rezervata firmei LEOMA DIAMANT Srl. Rezerva de proprietate nu exclude dreptul cumparatorului de a utiliza sau de a instraina marfa in cursul normalal activitatii sale. Cumparatorul nu poate ceda in garantie sau oferi drept gaj marfa care face obiectul rezervei de proprietate. In cazul prelucrarii marfii supuse rezervei de proprietate, in sensul ca aceasta sa fie transformata intr-un nou obiect, transformarea se va efectua pe cheltuiala cumparatorului.

AUTORITATEA COMPETENTA
Pentru orice litigiu, autoritatea competenta este Tribunalul din Torino.

TERMS OF SALES

PRELIMINARY REMARKS
The following conditions are known by the custom-madeer, and therefore every order it involves the implicit acceptance and subsequent cancellation of the Terms of the purchase proposals from it.

SALES CONTRACT
The sales contract is deemed concluded at the LEOMA DIAMANT Srl *with the acceptance of orders, direct or effected through our agents. Orders for special tools or based on drawing of the Custom-madeer must put down in writing and shall not be canceled by the Custom-madeer.*

PRICES
Are expressed in Euro, excluding VAT and/or various taxes, except errors and/or omissions, and shall be considered Ex-Works, excluding packaging. They have the validity indicated on the list. In the case of tools not in the catalog, the validity to be considered will be indicated in the offer or in the order confirmation.

TRANSPORT
The goods always travel at your own risk and on behalf of the purchaser. Therefore, LEOMA DIAMANT Srl *is not responsible for deterioration, damage, delays, fines or other direct or indirect damage or damage of any kind which may intervene during the transport. The goods transported are not insured by the seller unless it is expressly agreed between the parties.*

GOODS TO WORK IN PROCESS
Goods to work in process will be accepted only if sent under previously agreed. The responsibility for LEOMA DIAMANT Srl *is limited to work performed. In that sense, any defect arising from defective or less of the material submitted, you will not be attributable to* LEOMA DIAMANT Srl.

PACKING
The packing is normally included in the price. The goods to be shipped is packaged according to commercial practices to the exclusion of any liability to the seller. However, if the size or complexity, or special weakness of the tool required the construction of special packaging, the cost thereof will be charged to the custom-madeer.

COMPLAINTS
Complaints are accepted only if received in writing within 7 days of receipt of goods by the Custom-madeer.

RETURNS
Returns are accepted only if agreed in advance and authorized. Will be credited only standard goods, not damaged under any circumstances and in its packaging.

WARRANTY
The material defective recognized within 12 months from the provision will be replaced or repaired free of charge. In the case of material proved defective due to misuse, or deterioration or accidents resulting from installation, adjustment, alteration or use of the product and, in general, for all damages, the warranty can not be applied. In case of dispute the technical expertise of the manufacturer shall be final.

RIGHT TO REFUSE THE DELIVERY
If due to force majeure and other circumstances, even a political one to prevent the smooth supply or the free use of raw materials or means of work, allowing the seller, at its option, to move the delivery date for the supply or a part of it or terminate in whole or in part by the contract, but will not give the buyer any claim against the seller.

INVOICING
Invoicing is normally made on the last working day of the month. The Invoice summarizing the transport of the month, except as otherwise provided. It's care of the custom-madeer to verify the accuracy of tax information and details.

PAYMENTS
The payment terms are specified at the time of or subsequent confirmation by the LEOMA DIAMANT Srl.
The billing currency is mandatory for the execution of payments, payment shall be made without the application of discounts, rebates or rounding is not agreed in writing. In the case of unpaid or late payments the orders and shipment are suspended until paid. For delayed payments will be applied the commercial interests.

TITLE RETENTION
Until full payment of any debt arising from business relationships, including any credit enhancement and to payment of bills and / or checks delivered, the ownership of the goods remains reserved to LEOMA DIAMANT Srl. *The retention of title does not exclude the right of the buyer to use or dispose of the goods in the normal conduct of its business.*

JURISDICTION
For every dispute, is elected domicile at the Court of Turin, Italy.

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