



In this catalog, we bring you a wide range of engraving tools for milling and cutting. We choose for you the best products from manufacturers and suppliers from around the world (NOR, USA, CH, DE, FR, IT). Tools on the menu are suitable for workshops with advertising production, processing of plastics, wood, aluminum, MDF and so on. We will appreciate your experience with our tools!

Our goal is to supply tools promptly, therefore the majority of them is in stock.

**ORDER BY E-MAIL:**  
**[info@comagrav.com](mailto:info@comagrav.com)**

**We wish you success in working with COMAGRAV tools.**

**Valid from April, 14<sup>th</sup> 2021**



## MULTIPURPOSE SINGLE FLUTE TOOLS FOR ALUMINIUM ALLOYS

Single flute tools with upcut.

These tools are a real all-rounder. Their best use is for milling aluminum and its alloys. With single flute, they create large chips. For high feed rates and cutting quality in non-ferrous metals (aluminum, brass), also suitable for plastic, wood, PVC, MDF, acrylics, etc.

During milling of aluminum, it is necessary to use misting unit - we recommend technical spirit or special cutting fluids along with COMAGRAV spray cooling system. During work with alcohol observe safety and handling, avoid open fire!

Code	PR/PN x DR x CDN	Price in EUR
MP310	1,0 / 3 x 4 x 38mm	22,34
MP320	2,0 / 3 x 6 x 38mm	19,20
MP330	3,0 / 3 x 11 x 38mm	17,97
MP440	4,0 / 4 x 14 x 50mm	20,44
MP44022	4,0 / 4 x 22 x 50mm	22,23
MP6306	3,0 / 6 x 6 x 50mm	25,71
MP63011	3,0 / 6 x 11 x 50mm	25,71
MP650	5,0 / 6 x 16 x 50mm	25,71
MP65022	5,0 / 6 x 22 x 50mm	28,54
MP660	6,0 / 6 x 22 x 50mm	25,71
MP66032	6,0 / 6 x 32 x 64mm	30,99
MP880	8,0 / 8 x 22 x 64mm	45,36
MP88042	8,0 / 8 x 42 x 100mm	65,91
MP1010	10,0 / 10 x 32 x 76mm	57,15

## BALANCED MULTIPURPOSE SINGLE FLUTE TOOLS FOR ALUMINIUM ALLOYS

Try these tools with brand new design! They are recommended for use with **high speed spindles (30.000 RPM and more)**, where is very important care of expensive bearings. These balanced tools provides non-compromising cutting edge quality in high speeds.

Code	PR/PN x DR x CDN	Price in EUR
MP660B	6,0 / 6 x 12 x 50mm	30,65
MP66022B	6,0 / 6 x 22 x 58mm	30,65



## MULTIPURPOSE SINGLE FLUTE TOOLS WITH DLC COATING FOR DRY ALUMINIUM MILLING

Single flute tools with DLC coating for powerful milling of duralumin, di-bond, etc.  
Powerful coated tool for milling di-bond and aluminum without need for cooling.

Code	PR/PN x DR x CDN	Price in EUR
MPC6206	2,0 / 6 x 6 x 50mm	41,55
MPC6306	3,0 / 6 x 6 x 50mm	41,55
MPC6406	4,0 / 6 x 6 x 50mm	41,55
MPC64012	4,0 / 6 x 12 x 50mm	41,55
MPC66012	6,0 / 6 x 12 x 50mm	41,55
MPC66022	6,0 / 6 x 22 x 50mm	41,55

## BALANCED MULTIPURPOSE SINGLE FLOOT TOOLS WITH DLC COATING

Try these tools with brand new design! They are recommended for use with **high speed spindles (30.000 RPM and more)**, where is very important care of expensive bearings. These balanced tools provides non-compromising cutting edge quality in high speeds.

Code	PR/PN x DR x CDN	Price in EUR
MPC66012B	6,0 / 6 x 12 x 50mm	48,96
MPC66022B	6,0 / 6 x 22 x 50mm	48,96



## ACRYL SINGLE FLUTE TOOLS FOR PLEXIGLASS, PLASTIC, WOOD, ETC.

Single flute tools with upcut.

These tools were developed for high speeds in acrylic and plastic. With single flute, they create large chips. For high feed rates and cutting quality in non-metallic materials, wood, PVC, MDF, etc. Do not use for aluminium.

Code	PR/PN x DR x CDN	Price in EUR
A310	1,0 / 3 x 4 x 30mm	23,02
A315	1,5 / 3 x 6 x 30mm	23,02
A320	2,0 / 3 x 8 x 30mm	23,02
A32011	2,0 / 3 x 11 x 38mm	23,02
A330	3,0 / 3 x 11 x 38mm	19,65
A440	4,0 / 4 x 14 x 50mm	21,90
A650	5,0 / 6 x 16 x 50mm	29,42
A660	6,0 / 6 x 22 x 50mm	29,08
A66032	6,0 / 6 x 32 x 64mm	34,81
A880	8,0 / 8 x 22 x 64mm	46,60
A88032	8,0 / 8 x 32 x 64mm	50,42
A1010	10,0 / 10 x 32 x 76mm	55,92
A101055	10,0 / 10 x 55 x 100mm	94,21

## BALANCED ACRYL SINGLE FLUTE TOOLS FOR PLEXIGLASS, PLASTIC, WOOD, ETC.

Try these tools with brand new design! They are recommended for use with **high speed spindles (30.000 RPM and more)**, where is very important care of expensive bearings. These balanced tools provides non-compromising cutting edge quality in high speeds.

Code	PR/PN x DR x CDN	Price in EUR
A660B	6,0 / 6 x 22 x 58mm	34,70
A66032B	6,0 / 6 x 32 x 64mm	41,43
A880B	8,0 / 8 x 22 x 64mm	55,47
A88032B	8,0 / 8 x 32 x 64mm	60,07
A88042B	8,0 / 8 x 42 x 76mm	68,72
A101032B	10,0 / 10 x 32 x 76mm	66,59
A101042B	10,0 / 10 x 42 x 76mm	81,07



## BELIN SINGLE FLUTE TOOLS FOR PLEXIGLASS, PLASTIC, WOOD, ETC.

Single flute tools with upcut.

These tools were developed for high speeds in acrylic and plastic. With single flute, they create large chips. For high feed rates and cutting quality in non-metallic materials, wood, PVC, MDF, etc. Do not use for aluminium.

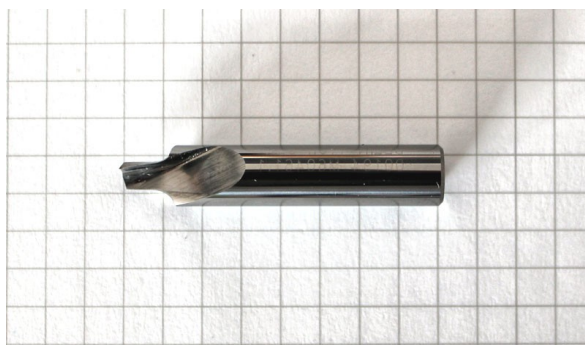
Code	PR/PN x DR x CDN	Price in EUR
B330	3,0 / 3 x 12 x 40mm	25,36
B440	4,0 / 4 x 12 x 50mm	26,01
B44030	4,0 / 4 x 30 x 70mm	38,29
B660	6,0 / 6 x 22 x 60mm	36,57
B66038	6,0 / 6 x 38 x 80mm	55,32
B880	8,0 / 8 x 22 x 60mm	59,81
B88038	8,0 / 8 x 38 x 80mm	78,21

## BELIN SINGLE FLUTE TOOLS ALU FOR ALUMINIUM

Single flute tools with upcut.

These tools were developed for high speeds in aluminium and its alloys.

Code	PR/PN x DR x CDN	Price in EUR
BA660	6,0 / 6 x 15 x 60mm	42,91
BA880	8,0 / 8 x 20 x 60mm	70,59



## BELIN SINGLE FLUTE TOOLS RADIUSED FOR PLEXIGLASS, PLASTIC, WOOD, ETC.

Single flute tools with upcut and radius on top.

These tools were developed for high speeds in acrylic and plastic. It creates 2mm radius at surface of the material. Bottom part of this tool is classic single flute with 4mm diameter and length of cut 4,3mm.

Code	PR/PN x DR x CDN	Price in EUR
B840R2	4,0 / 8 x 4,3 x 40mm	82,31



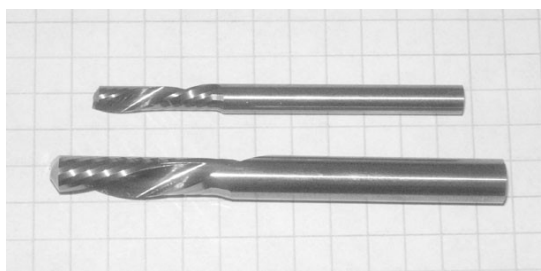
## SINGLE FLUTE TOOLS FOR PLASTIC FOR PLEXIGLASS, PLASTIC, WOOD, ETC.

Single flute tools with upcut.

These tools were developed for high speeds in acrylic and plastic. With single flute, they create large chips. For high feed rates and cutting quality in non-metalic materials, wood, PVC, MDF, etc.

Made of hard K10 material. Do not use for aluminium.

Code	PR/PN x DR x CDN	Price in EUR
PL330	3,0 / 3 x 11 x 40mm	19,93
PL440	4,0 / 4 x 14 x 50mm	22,27
PL660	6,0 / 6 x 22 x 60mm	30,50
PL880	8,0 / 8 x 22 x 70mm	37,62



## SINGLE FLUTE DOWNCUT TOOLS FOR PLASTIC FOR PLEXIGLASS, PLASTIC, WOOD, ETC.

Single flute tools with downcut.

During cutting of thin plastic sheets, there might be problem to ensure proper vacuum holddown. These tools do not tend to lift material. Chips are left in the routed groove.

Use ramp to enter the material with this tool.

Code	PR/PN x DR x CDN	Price in EUR
D330	3,0 / 3 x 12 x 50mm	12,45
D440	4,0 / 4 x 15 x 50mm	14,32
D660	6,0 / 6 x 22 x 60mm	23,11
D880	8,0 / 8 x 22 x 70mm	26,76





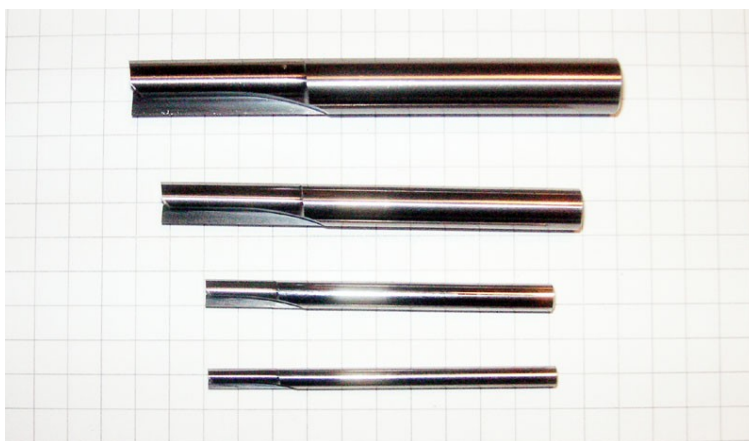
## COMPRESSION TOOLS FOR PLASTIC, LAMINATED SHEETS, WOOD, ETC.

Compression tools with combined cutting direction up and down.

These tools were developed for high cutting quality of both top and bottom layer of laminated plywood and similar sheet materials.

For high feed rates and cutting quality in wood, non-metallic materials, PVC, MDF, etc.

Code	PR/PN x DR x CDN	Price in EUR
K330	3,0 / 3 x 12 x 50mm	16,47
K440	4,0 / 4 x 15 x 50mm	20,59
K660	6,0 / 6 x 17 x 50mm	25,26
K880	8,0 / 8 x 22 x 70mm	35,46
K1010	10,0 / 10 x 32 x 70mm	71,86



## TWO-FLUTED TOOL WITH STRAIGHT CUT FOR PLASTIC, WOODEN SHEETS, MANUAL MACHINES, ETC.

Double flute tools with straight cut.

These tools were developed for high speeds in plastic, MDF, wood, laminated and similar. Straight cutting edge prevents lifting of chips and material.

Suitable also for cutting out vacuum formed plastics.

Code	PR/PN x DR x CDN	Price in EUR
R330	3,0 / 3 x 10 x 50mm	11,23
R440	4,0 / 4 x 10 x 50mm	12,26
R660	6,0 / 6 x 20 x 60mm	19,84
R880	8,0 / 8 x 25 x 70mm	24,14

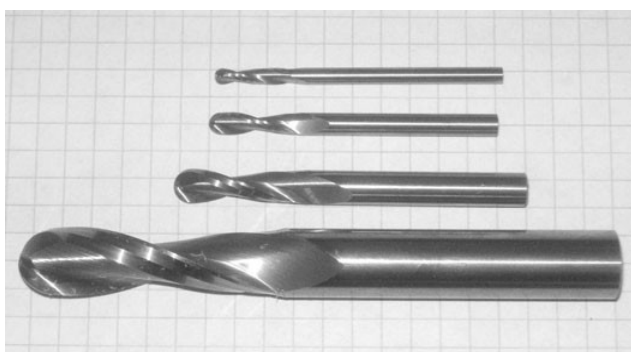


## THREE-FLUTED UPCUT TOOL FOR PLASTIC, WOOD, FOAMS, ETC.

Triple flute tools with upcut.

These tools were developed for high speeds in wood, plastic, foams, MDF, laminated and similar. Three cutting edges means extreme high speeds and perfect edge quality.

Code	PR/PN x DR x CDN	Price in EUR
U880.32	8,0 / 8 x 32 x 70mm	40,70
U1212.32	12,0 / 12 x 32 x 80mm	50,34
U1212.52	12,0 / 12 x 52 x 100mm	77,66

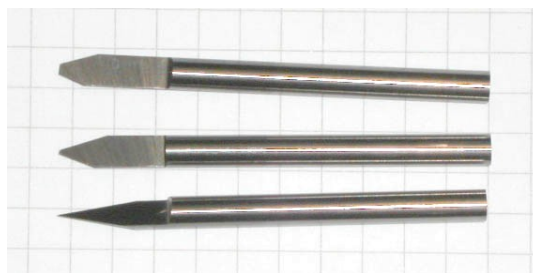


## TWO-FLUTED BALLNOSE TOOL

Double flute ballnose tools with upcut.

These tools are used for three-dimensional surfaces. Mostly usable for modelling, also for engraving to acrylic sheets ala neon.

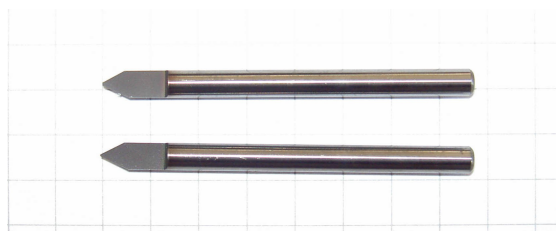
Code	PR/PN x DR x CDN	Price in EUR
BN3	3,0 / 3 x 12 x 50mm	14,22
BN4	4,0 / 4 x 15 x 50mm	16,19
BN6	6,0 / 6 x 22 x 60mm	26,20
BN12	12,0 / 12 x 42 x 100mm	69,06



## ENGRAVING HALFROUND TOOLS

Microcarbide engraving tools made in USA. One of the best engraving tools in this attractive price range. Its geometry is designed for long lifetime in non-ferrous metals (brass, aluminium). They are suitable also for plastics.

Code	CRU x PS	PN x CDN	Price in EUR
G33001	30° x 0,1mm	3 x 38mm	14,92
G33002	30° x 0,2mm	3 x 38mm	14,92
G33003	30° x 0,3mm	3 x 38mm	14,92
G33004	30° x 0,4mm	3 x 38mm	14,92
G33006	30° x 0,6mm	3 x 38mm	14,92
G34502	45° x 0,2mm	3 x 38mm	14,62
G34504	45° x 0,4mm	3 x 38mm	14,62
G36003	60° x 0,3mm	3 x 38mm	14,62
G43002	30° x 0,2mm	4 x 50mm	21,11
G43004	30° x 0,4mm	4 x 50mm	21,11
G44506	45° x 0,6mm	4 x 50mm	20,07
G44510	45° x 1,0mm	4 x 50mm	20,07
G44515	45° x 1,5mm	4 x 50mm	20,07
G46001	60° x 0,1mm	4 x 50mm	20,07
G46004	60° x 0,4mm	4 x 50mm	20,07



## ENGRAVING HALFROUND TOOLS FOR STEEL AND STAINLESS

For steel and hard steel we offer two kinds of engraving tools:

1. Antares (GS) 2. Nanograver (GN)

We recommend these tools for engraving of steel and stainless steel. Nanograver tool is coated and made in perfect halving tolerance  $-0,000\text{mm} +0,005\text{mm}$ . It is especially good when used in high speed spindles reaching 50.000 RPM and more.

Code	CRU x PS	PN x CDN	Price in EUR
GS36002	60° x 0,2mm	3 x 38mm	14,62
GS64502	45° x 0,2mm	6 x 50mm	26,73
GN36002	60° x 0,2mm	3 x 38mm	22,01
GN36004	60° x 0,4mm	3 x 38mm	22,01



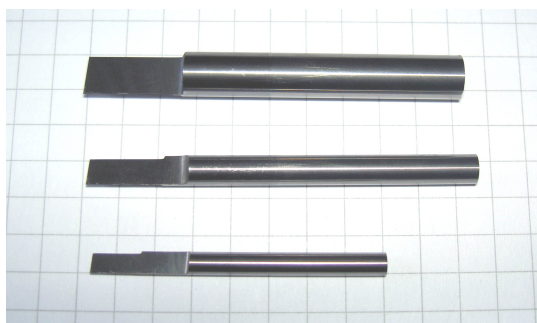
## TWO-FLUTED COATED TOOLS FOR STEEL AND STAINLESS STEEL

Top quality cutting tools for steel and stainless steel / Resopal.

The long life of the cutter ensures a small radius to 0,2mm.

During milling it is necessary to use misting unit, we recommend oil or emoliet.

Code	PR/PN x DR x CDN	Price in EUR
N310	1,0 / 3 x 2 x 35mm	26,95
N315	1,5 / 3 x 3 x 35mm	26,05
N320	2,0 / 3 x 4 x 35mm	25,49
N330	3,0 / 3 x 5 x 35mm	25,49
N620	2,0 / 6 x 4 x 40mm	36,94
N630	3,0 / 6 x 5 x 40mm	36,94
N640	4,0 / 6 x 5 x 40mm	36,94

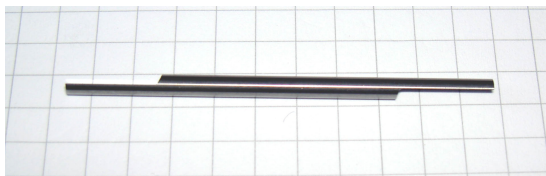


## SINGLEFLUTE TOOL PROFILING

Single flute tools with straight cut.

These tools were developed for cutting and engraving of plastics. Straight cutting edge prevents lifting of chips and material.

Code	PR/PN x DR x CDN	Price in EUR
P330	3,0 / 3 x 6 x 38mm	15,79
P440	4,0 / 4 x 8 x 50mm	21,08
P660	6,0 / 6 x 12 x 50mm	31,57



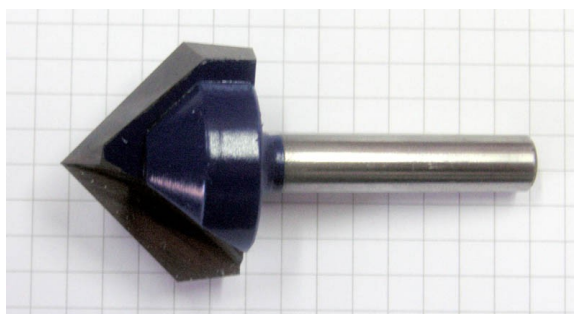
## BOTHSIDED STOCK

This is unfinished tool for your grinder COMAC CU2. You can use both sides to create your own engraving tool, because both sides are halved.

Code	PR/PN x DR x CDN	Price in EUR
NP3	3 x 11 x 50mm	7,20
NP4	4 x 13 x 50mm	10,16
NP6	6 x 13 x 50mm	17,86
NP8	8 x 13 x 50mm	33,84

Do you not still have a tool grinder? Ask us for an offer.



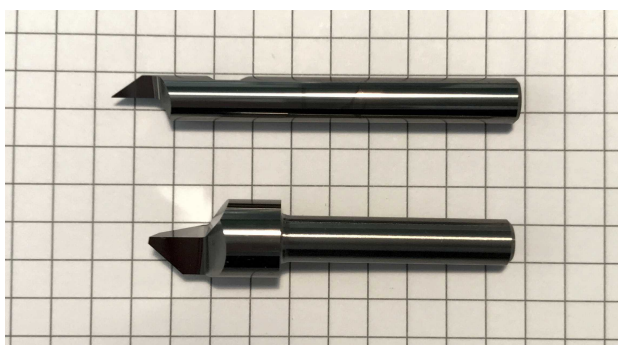


## V-BIT CUTTER

This carbide tool is designed for creation of 3D effects in wood, MDF and plastics. Requires special 3D software with V-bit carving function. (ie. Vectric Aspire). Cutting angle is 90°, 120° or 150°. 5 mm thick layer of carbide allows many regrinding which brings long lifetime.

Code	PR/PN x DR x CDN	Price in EUR
V6032	32/8 x 28 x 72mm	90,62
V9016	16/6 x 14 x 55mm	51,24
V9032	32/8 x 26 x 65mm	90,62
V12032	32/8 x 26 x 65mm	90,62
V15032	32/8 x 26 x 65mm	90,62





## TOOL FOR GROOVES IN SANDWICH (ALUCOBOND)

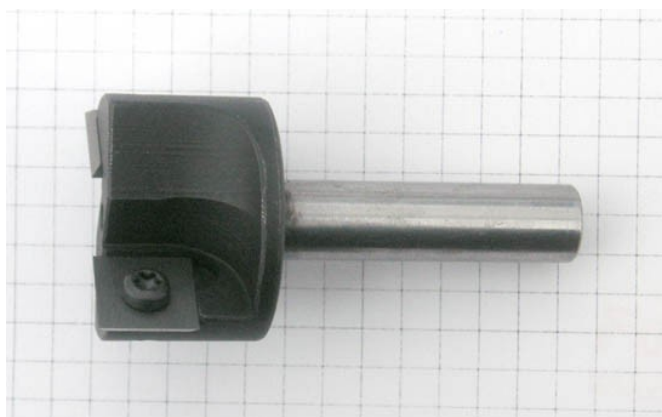
This carbide tool was designed for extreme high speeds in sandwich materials. Suitable for bending purposes. Tool is balanced for high speed spindles.

### Single flute tools

Code	CRU x PS	PR/PN x CDN	Price in EUR
CB90	90° x 1,8mm	10/10 x 50mm	66,25
- for dibond 3mm, 4mm			
CB90-6	90° x 1,8mm	10/6 x 45mm	76,35
- for dibond 3mm, 4mm			
CB92-6	92° x 0,2mm	6/6 x 50mm	30,54
- for dibond 3mm			

### Double flute tools

Code	CRU x PS	PR/PN x CDN	Price in EUR
CB210 90-6	90° x 1,8mm	10/6 x 50mm	73,36
- for dibond 3mm, 4mm			
CB213 90-6	90° x 1,8mm	13/6 x 50mm	90,62
- for dibond 3mm, 4mm, 5mm, 6mm			



## PLANING TOOL\*

This special tool is designed for planing of large areas. 32 mm wide trail ensures quick planing even on 2x4 m machine. The tool contains 2 exchangeable plates. Next ones could be ordered with code VD1212.

Code	PR/PN x DR x CDN	Price in EUR
P10320	32/10 x 12 x 60mm	231,68
D1212	12 x 12 x 1,5mm	3,28

**These tools are not calculated into volume discount!**



## DIAMOND POLISHING TOOL FOR PLEXIGLASS\*

These tools were designed for polishing of acrylic sheets. The result is fantastic. Tool is made of monocrystalline or natural diamond. In standard we supply it in 3 lengths of edge. 4mm is recommended for sheets up to 3mm thickness, 6mm for 5mm thickness and 11mm is perfect for sheets up to 10mm.

Monocrystalline diamonds are for users who need to polish often and/or require ultimate edge quality.

Polycrystalline are intended for users who need to polish sporadically and/or need to polish a thick material for 1 pass.

We also offer diamond for polishing faceted holes and edges with 45 degrees with code LDV90860. Length of diamond is 6mm in this case.

### Monocrystalline

Code	PR/PN x DR x CDN	Price in EUR
LD6404	4/6 x 4 x 60mm	663,53
LD8606	6/8 x 6 x 60mm	923,29
LD10811	8/10 x 11 x 60mm	3 585,88
LDV90860	8 x 6 x 60mm	1 043,29

### Polycrystalline

Code	PR/PN x DR x CDN	Price in EUR
LDP14	6/6 x 14 x 50 x 22mm	512,04
LDP22	8/8 x 22 x 60 x 33mm	602,88
LDP33	8/10 x 33 x 75 x 43mm	918,16



LDV90860

**These tools are not calculated into volume discount!**



ONF and ONK



ONO

## ROUNDED KNIVES FOR OSCILLATION CUTTING Ø6mm

We offer these knives for oscillating cutting of corrugated cardboards, cardboards, fibrous materials, rubber, etc.

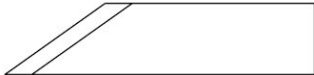






- ONF** - knives for cutting fibrous materials. The knife is flat on the bottom, so it cuts all fibres.
- ONK** - knives for cutting corrugated cardboard, rubber and hard materials. The tool has small radius on the bottom to prevent unexpected wear.
- ONO** - knives for cutting corrugated cardboard, foam, wool and other materials in high speeds.

These knives are usable for oscillating cutting heads COMAGRAV, primary designed for pneumatic head. Using special adapter, they can be used also in electric oscillation unit. Suitable also for Aristo plotters.

Code	PN x DR x CDN x UB	Price in EUR
ONK6	6 x 6 x 36 mm	28,89
ONK10	6 x 10 x 36mm	30,95
ONK15	6 x 15 x 36mm	37,15
ONK25	6 x 25 x 46mm	51,58
ONK30	6 x 30 x 55mm	53,65
ONK50	6 x 50 x 68mm	66,02
ONK65	6 x 65 x 81mm	78,41
ONK90	6 x 90 x 110mm	90,78
ONK110	6 x 110 x 118mm	105,23
ONF10	6 x 10 x 36mm x 68°	28,89
ONF15	6 x 15 x 36mm x 73°	33,01
ONF20	6 x 20 x 39mm x 89°	37,15
ONF30	6 x 30 x 46mm x 82°	53,65
ONF35	6 x 35 x 55mm x 86°	57,77
ONF40	6 x 40 x 57mm x 87°	66,02
ONF60	6 x 60 x 83mm x 86,8°	70,16
ONO15	6 x 15 x 36mm	49,52
ONO25	6 x 25 x 56mm	51,58
ONO40	6 x 40 x 56mm	70,16
ONO65	6 x 65 x 81mm	70,16


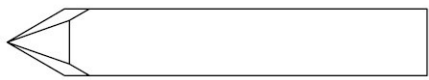

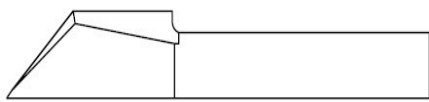
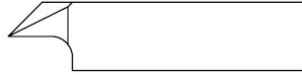


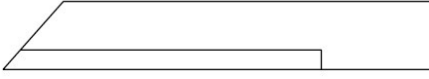
## FLAT KNIVES FOR OSCILLATION CUTTING

High quality carbide knives for cutting of corrugated cardboard, carton, foam, rubber, fabrics, etc. Knives are suitable also for Zünd plotters.

	Type	Price in EUR per se
	<b>FN8</b> - for cutting soft materials, corrugated, PE foils, etc. Cutting length 8mm. For use with electric oscillating knife. Cuts also without oscillation. Knife thickness 0,63mm.	18,90 / 1 pc
	<b>FN12</b> - for cutting PE foils, leather, etc. Cutting length 12mm. For use with electric oscillating knife. Cuts also without oscillation. Knife thickness 0,63mm.	18,90 / 1 pc
	<b>E42</b> - for cutting leather, felt, fiberglass, carbon, etc. Cuts also without oscillation. Knife thickness 0,63mm.	18,90 / 1 pc
	<b>FNF10</b> - for cutting fabrics, textile, etc. Cutting length 10mm. For use with electric oscillating knife. Knife thickness 0,63mm.	28,09 / 1 pc
	<b>FNS10</b> - for cutting corrugated cardboard to 10mm, rubber, etc. Cutting length 10mm. For use with electric oscillating knife. Knife thickness 0,63mm.	28,90 / 1 pc
	<b>FNS13</b> - for cutting corrugated cardboard to 13mm, rubber, etc. Cutting length 13mm. For use with electric oscillating knife. Knife thickness 0,63mm.	30,51 / 1 pc
	<b>FNS16</b> - for cutting sandwich panels to 16mm, etc. Cutting length 16mm. For use with electric oscillating knife. Knife thickness 0,63mm.	30,15 / 1 pc





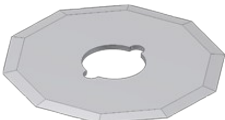
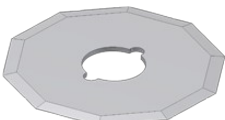
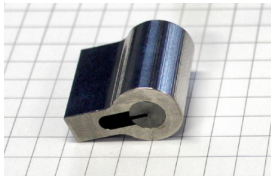
## FLAT KNIVES FOR DRAG CUTTING

Knives are designed for cutting without oscillation.  
Knives are suitable also for Zünd and ESKO plotters.

	Type	Price in EUR per set
	<b>E10</b> - fix knife for cutting thin and hard materials. For use with U1 holder for flat knives. Works without oscillation. Knife thickness 1,45mm.	26,40 / 1 pc
	<b>E11</b> - fix knife for cutting thin and hard materials. For use with U1 holder for flat knives. Works without oscillation. Knife thickness 1,45mm.	26,40 / 1 pc
	<b>E44</b> - same type as E11, but with additional cutting edge for fibrous materials (carpets). For use with U1 holder for flat knives. Works without oscillation. Knife thickness 1,45mm.	36,69 / 1 pc
	<b>E46</b> - fix knife for cutting thin and hard materials. For use with U1 holder for flat knives. Works without oscillation. Knife thickness 1,45mm.	32,43 / 1 pc
	<b>E110</b> - fix one-sided knife for cutting thin and hard materials. Works without oscillation. Knife thickness 1,45mm.	33,20 / 1 pc
	<b>E111</b> - fix one-sided knife for cutting thin and hard materials. Works without oscillation. Knife thickness 1,45mm.	33,20 / 1 pc
	<b>E70</b> - flat knife for V-cut. Knife thickness 0,63mm.	43,75 / 1 pc
	<b>E71</b> - flat knife for V-cut. Knife thickness 1mm.	46,40 / 1 pc

## ROTARY KNIVES FOR TEXTILE CUTTING






Knives are designed for cutting rotations in modules for cutting fabrics and textiles.  
Knives are suitable also for Zünd plotters.

	Type	Price in EUR per set
	<b>CD25</b> - rotating knife for cutting fibrous materials, banners, etc. For use with motorised cutting disc. Cutting diameter 25mm.	39,49 / 1 pc
	<b>CD28</b> - rotating knife for cutting fibrous materials, banners, etc. For use with motorised cutting disc. Cutting diameter 28mm.	42,57 / 1 pc
	<b>CD32</b> - rotating knife for cutting fibrous materials, banners, etc. For use with motorised cutting disc. Cutting diameter 32mm.	47,43 / 1 pc
	<b>CD66</b> - rotating knife for cutting fibrous materials, banners, etc. For use with motorised cutting disc. Cutting diameter 66mm.	205,88 / 1 pc
	<b>CD160-10</b> - 10-sided rotating knife (HSS) for cutting fibrous insulating materials. Special knife for MCD160 module. Cutting diameter 160mm.	112,94 / 1 pc
	<b>CD160-20</b> - 20-sided rotating knife (HSS) for cutting fibrous insulating materials. Special knife for MCD160 module. Cutting diameter 160mm.	112,94 / 1 pc
	<b>Knife adapter for flat carbide knives*</b> For use of flat 0,63mm carbide knives in an oscillating unit (with clamping of round 6mm knives).	256,00 / 1 pc



## CUTTING AND ROUTING PADS\*

Additional consumables for cutting and routing.

	Type	Price in EUR per 1m
	<b>Cutting pad 3 mm anthracite, medium density (1530mm)</b> - for cutting wide range of materials. Complete roll has 25m. Width of cutting pad is 153 cm. For use with COMAGRAV DIGI and multifunctional CNC routers with oscillating knives. Suitable for glued infinite join.	73,50 - (48,00 €/m <sup>2</sup> )
	<b>Cutting pad 3 mm black, very high density (1530mm)</b> - for cutting wide range of materials. Complete roll has 20m. Width of cutting pad is 153 cm. For use with COMAGRAV DIGI and multifunctional CNC routers with oscillating knives.	50,00 - (32,70 €/m <sup>2</sup> )
	<b>Cutting pad 3 mm grey, EXTRA (1700mm)</b> - for cutting wide range of materials. Complete roll has 25m. Width of cutting pad is 170 cm. For use with COMAGRAV DIGI and multifunctional CNC routers with oscillating knives.	130,00 - (77,00 €/m <sup>2</sup> )
	<b>Routing pad 1 mm (1000mm)</b> - for routing of wide range of materials. Grey color. Complete roll has 60m. Width of routing pad is 100 cm. For use with COMAGRAV DIGI.	17,80
	<b>Routing pad 2 mm (1000mm)</b> - for routing of wide range of materials. Grey color. Complete roll has 60m. Width of routing pad is 100 cm. For use with COMAGRAV DIGI.	33,80





## DIAMOND DRAGGER

These tools are suitable for scratching and marking of any hard materials, including glass, stainless steel, aluminium, etc. They are used without rotation of spindle! Standardní angle is 120°.

Code	CRU	PN x CDN	Price in EUR
D90	90° mm	4,36 x 177 mm	38,39
D120	120° mm	4,36 x 177 mm	38,39

### VOLUME DISCOUNTS\*

10% for orders above 500 EUR.

**\*Tools marked with a star are not calculated into volume discount!**

If value of the order is up to 40 EUR we reserve the right to charge a handling fee of 6 EUR.

CRU - cutting angle; PR - cutting diameter; PS - tip diameter; PN - tool diameter; DR - cutting length; CDN - tool length; UB - angle of cutting edge

Prices are without VAT.

Orders accepted by e-mail [info@comagrav.com](mailto:info@comagrav.com)