



Blackline Tools **The alternative to** **traditional** **woodturning tools.**

These turning tools are very easy to use and combine the most important CuttingEdge cutters in one set. And the best thing about it: The turning cutters do not have to be sharpened.

Turning and handling of Tungsten Carbide Tools are easier and faster to learn than is the case with traditional tools. In addition, they do not need to be sharpened. That makes them a real alternative. However, professional turners reprimand the tools for their poor surface finish. That's not the case! The BlackLine Tools enable cutting in the shear and slicing planes as well as roughing and create a surface finish that is as good as traditional tools. But that's not the only reason to take a closer look at these tools.

The BlackLine Tools can be purchased with two types of cutting edges, for example, one with the standard carbide edge and the other with the RaZoR DiamondEdge. These have an extremely long service life. RaZoR cutters stay sharp 20 times longer than carbide cutters - you could almost say endless! The extreme hardness also makes it possible to turn exotic materials such as epoxy resin, hybrid or soapstone blanks. A world first!

Blackline Tools

Tools with a carbide / hard metal (Tungsten Carbide) blade are enjoying growing popularity. But what is it about this trend? Anyone who decides to delve deeper into the subject of „turning“ is often faced with the challenge of having to learn the demanding techniques of using traditional High Speed Steel [HSS] turning tools.

New turners face challenges and increasing frustration in attempting to master HSS. Carbide tools offer an interesting alternative, especially for career changers. The handling of carbide tools is easier and faster to learn, and they do not have to be sharpened, you can save yourself the purchase of a sharpening system and years to understand and master HSS turning tools. That makes them a real asset.

The BlackLine Tools consist of 4 cutters – Square, Round, W and V - with which almost any turning can be done. In addition there is the high-quality BlackLine Tools handle and the Parting Tool. The range is complimented by a quality 5-piece leather tool roll in which all tools can be packed. The tools can be purchased individually or as a set.

“When I started turning, I didn’t even know which tools I really needed. After some experience with a wide variety of tools, I finally came up with the idea of inventing my own tools. My goal was to develop a tool set that can be used to turn almost all forms of turning, which are easy and, above all, safe to use and which do not have to be sharpened - and I think I succeeded! ,”

When the South African manufacturer, John Bond, approached us with these words and his promising tools, the BlackLine Tools, he immediately peaked our interest.

The perfection is in the detail

We saw immediately that the award-winning engineer knows what he is doing when he rolled out his leather cover and the BlackLine Tools lay in front of us. The sets come in different designs. The 4 cutters are each made of „carbide“. The set is available in the sizes MINI, MIDI-Short, MIDI and MAXI, as well as ALLY or MOLY handles.

With his tools, John Bond brings together the most modern materials and complex manufacturing processes. The resulting tools are precise, high quality and above all one thing - a real eye-catcher! First and foremost, the four cutting tools are highly efficient all-purpose tools and a real asset for every woodturning workshop. The BlackLine Tools can be used both for scraping and cutting in side or cross grain wood processing. They are also ideal for highly abrasive, resinous, contaminated or sandy woods.

The sets are available in three sizes, MINI, MIDI and MAXI and, in addition to the leather cover, contain a handle made of high grade Aluminum or Acetal and four Stainless Steel precision-machined shafts that are held by a powerful collet. The shafts are equipped with four different carbide options. A round, square, V-shaped [diamond-shaped] and radius triangular W cutters are available. The 3.2 mm thick cutters, which are firmly locked onto the shaft by countersunk TORX stainless steel screws, are available in Carbide CuttingEdge and RaZoR DiamondEdge versions. These can be rotated in the precision-machined pocket and used multiple times. Another great advantage is that the cutters can be exchanged in this way. The range is rounded off by a high-performance Parting Tool, which also does not need to be sharpened and cuts through wood like a hot knife through butter.

Square Blade

Suitable for roughing, finishing and turning plates. Indexed by 45 °, the pointed fillets can be used as detailing tools.



Round Blade

Suitable for turning round fillets and curved shapes and especially for hollowing the inside of bowls.



Arched triangle / W blade

Ideal for curved shapes and the outside of bowls. The tool is ideal for shaping and finishing, indexed by 45°, suitable for pointed fillets as a detailing tool or hollowing tool.



Pointed diamond blade

For beads and coves, dovetail shapes, detailed work and decorations. Small round bars can also be turned with this.



BlackLine ALLY and MOLY Handles

The ergonomic BlackLine handles are available in ALLY (Aluminum) and MOLY (Acetal) versions. The range includes MINI, MIDI and MAXI. The shafts are held secure in a vibration-absorbing collet, which prevents wrist injuries and dangerous catches. The MINI Handle locks MINI shafts with a diameter of 6-to-9 mm, the MIDI Handle locks shafts with a diameter from 8-to-12 mm and the MAXI Handle [or MIDI Handle fitted with MAXI or MAXI+ collet] locks shafts from 12-to-16 mm diameter. MIDI, MAXI and MAXI+ collets each fit in MIDI and MAXI Handles. Another MAXI+ collet clamps 16-19 mm shafts and fits into the MIDI and MAXI Handles!



BlackLine Parting Tools

Available in MINI and MIDI sizes. The cutters are made of either Carbide or RaZoR. It cuts as smooth as butter, without jamming and with extremely clean edges. The special design and the small cutting edge minimize the development of heat and thus prevent burns in the wood. The parting tool disposable blade has a double cutting edge. If the extremely durable cutting edge becomes blunt, you can simply turn the blade and continue working.



BlackLine Tools 5-piece set price

A BlackLine Tool Set includes a handle and 4 shafts of each shape. Each set is included in a 5-piece quality leather tool roll.

Product ID	Blade Type	Set-Size	Handle	Price
KS008620	Carbide	Mini	Ally	319,00 €
KS008622	Carbide	Midi Short	Ally	399,00 €
KS008640	Carbide	Midi	Ally	429,00 €
KS008645	Carbide	Maxi	Ally	509,00 €
KS008610	Carbide	Mini	Moly	319,00 €
KS008632	Carbide	Midi Short	Moly	399,00 €
KS008630	Carbide	Midi	Moly	429,00 €
KS008635	Carbide	Maxi	Moly	509,00 €



The BlackLine Tools have been specially developed for long-term use when turning hard and soft woods and highly abrasive woods. But resinous, dirty, sandy woods, epoxy resin blanks or other exotic materials can also be processed. The blades are very thick at 3.2 mm, which also ensures maximum durability. The special angle (83°) and unique geometry allows the user to ride the level in the shear [45° to spindle axis of rotation] or slice plane [90° to spindle axis of rotation].



Scraping and cutting tool in one!

A special feature of the BlackLine Tools is that you can also cut with a bevel. This ensures an excellent finish in both long [side grain] and cross [end grain] wood. This can be clearly seen from the glossy surface. Due to the fact that the tools do not have to be re-sharpened, one and the same tool can be used for preparatory work as well as for finishing a work piece. Image [a] shows working with a bevel on a shell blank. In picture [b], the difference between the surfaces when scraping on the left and when cutting on the right can be seen very clearly. Picture [c] shows the cutting in long wood, the cut can be seen here very nicely as evidenced by the fine chip. In picture [d] you can again see very clearly where the surface has been cut and scraped. No sandpaper was used in these pictures!



The BlackLine Handle, here in the MOLY version, consists of a handle, a collet and a collet holder [nose cone]. The shaft sits in the collet and is completely enclosed by it. The collet absorbs the vibrations and does not pass them on to the handle. This enables long-term work that is extremely gentle on the joints.

Blackline Tools

Many scraper tools have a flat shaft and can therefore only be used flat. The BlackLine Tools have both a round and a flat shaft. This means that the tool can be turned and turned with the chamfer applied. Each blade has its own shaft with an individual cutter fit; this ensures maximum stability and safety when working. They are manufactured with absolute precision from high-quality 304 stainless steel: The shafts are 65 Rockwell hardness; this ensures more wear resistance and flexural strength.



The W-cutter and the Square-cutter can be indexed [rotated] by 45° from turning to detailing. This makes it very easy to turn two different pointed fillets. The clean-cut quality can be seen from the long chips.



With the pointed diamond cutter you can, for example, turn the recess of a bowl or pointed throats. The blade cuts as soft as butter and leaves a fine, tear-off free surface. There is no need to re-sharpen the cutters.



The BlackLine sets are delivered in a practical quality 5-piece leather tool roll! One set contains all 4 shafts and a handle. A set with which you can get very far - and do without an expensive sharpening system!

The BlackLine collets are designed in such a way that they completely enclose and lock the shaft securely due to their round shape. Other handles on the market typically do not have this large contact area. Since the shaft sits firmly in the collet and does not come into contact with the inside of the handle, vibrations are absorbed and the wrists are protected. The collet also has another very decisive advantage. Because if you get stuck while turning, if you have a "Nürnberg", the force will turn the shaft in the collet by a few micro-millimeters. This ensures that the shaft rotates a fraction releasing forces on the leading edge of the cutter, but that the tool in the hand does not go away, preventing the dangerous catch. An absolutely new safety concept for turning! There are a total of 4 collets, MINI, MIDI, MAXI and MAXI+. The three larger collets fit into the MIDI and MAXI handles, the MINI collets only fit into the MINI handle. The collets grip as follows:

- MINI from 6 mm to 8 mm in diameter
- MIDI from 8 mm to 12 mm in diameter
- MAXI from 12 mm to 16 mm in diameter
- MAXI + from 16 mm to 19 mm in diameter

Thus, for example, with a MIDI handle and 3 collets, shafts from 8 to 19 mm can be effortlessly clamped.



BlackLine Tools unit prices

In addition to the sets, all tools can also be purchased individually and placed in a handle of your choice.

BlackLine shaft with Inserts

Carbide - tungsten carbide Inserts

The cutter is made of tungsten carbide, the recipe of which has been specially adapted for wood processing. The degree of hardness is almost that of a diamond at 95 Rockwell. The carbide (TC) blade has a circumferential bevel with an 83° bevel angle. The BlackLine cutters have been specially developed for long-term use when turning hard materials from wood to mother-of-pearl.

RaZoR DiamondEdge Inserts

The RaZoR diamond cutters have at least 20 times the life of the TC cutters. They have been developed for permanent use for turning hard materials from wood to mother-of-pearl. But they are equally suitable for turning all soft and hard woods.

The RaZoR cutters are made of the same material as the Carbide blades, with the difference that each cutting edge is set with RaZoR DiamondEdge.

Carbide Inserts with negative rake top bevel

Another cutter shape is the cutter with a negative angle. The cutters are beveled on the upper edge. This means that the cutters are much less aggressive to use. In addition, a small amount of wood can be removed in a very controlled manner. The cutters are ideal for bringing a work piece into the correct shape before finishing the surface with a final cut.

The cutters are also suitable, for example, for reworking the inside and outside of the shell if a clean cut is no longer possible. The cutters are also ideal for hollowing out bowls with a larger overhang, for example.

The 4 different cutting edge types in use

- The 4-corner cutting edge can be used in 2 positions. In the standard position it is suitable for rough preparatory work, for finishing with a very clean cutting result and for turning panels. It is also suitable for hollowing out end grain. Indexed or rotated by 45° with the point forward, it is suitable for turning small pointed fillets.
- The round cutting edge is particularly suitable for curved shapes, such as bowls on the inside and outside and rounded flutes.
- The V-shaped cutting edge is suitable for pointed fillets, turning dovetail profiles, round bars and much more.
- The W-shaped cutting edge can be used in 2 positions. This cutting edge is ideal for creating curved curves, whether in long or cross wood. Turned by 45°, blunt pointed fillets can also be turned.

Carbide Shaft with Cutter - Prices

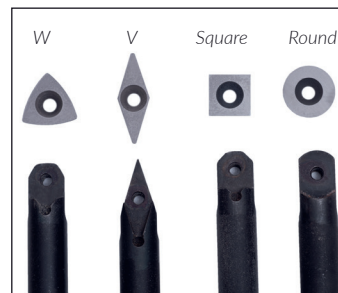
Product ID	Form	Material	Size	Length	Ø Shaft	Price
KS008334	Square	Carbide	Mini	210 mm	8 mm	64,90 €
KS008337	Square	Carbide	Midi Short	210 mm	12 mm	69,90 €
KS008335	Square	Carbide	Midi	335 mm	12 mm	75,90 €
KS008355	Square	Carbide	Maxi	335 mm	16 mm	87,90 €
KS008329	Round	Carbide	Mini	210 mm	8 mm	64,90 €
KS008331	Round	Carbide	Midi Short	210 mm	12 mm	69,90 €
KS008330	Round	Carbide	Midi	335 mm	12 mm	75,90 €
KS008350	Round	Carbide	Maxi	335 mm	16 mm	87,90 €
KS008324	V	Carbide	Mini	210 mm	8 mm	64,90 €
KS008327	V	Carbide	Midi Short	210 mm	12 mm	69,90 €
KS008325	V	Carbide	Midi	335 mm	12 mm	75,90 €
KS008345	V	Carbide	Maxi	335 mm	16 mm	87,90 €
KS008319	W	Carbide	Mini	210 mm	8 mm	64,90 €
KS008321	W	Carbide	Midi Short	210 mm	12 mm	69,90 €
KS008320	W	Carbide	Midi	335 mm	12 mm	75,90 €
KS008340	W	Carbide	Maxi	335 mm	16 mm	87,90 €

BlackLine Parting Tool

These BlackLine cutters are high-performance cutters that do not need to be sharpened. The RaZoR version is extremely hard and cuts not only wood but also many other materials up to shell-offset epoxy blanks without tearing them off. A second cutting edge is obtained by turning the blade by 180°. The special design prevents the wood from burning and ensures a clean surface.

Properties of the shaft

- Shaft made from high quality 304 stainless steel
- Flat shaft ensures a high level of safety when working
- Precision machined pockets for the various cutting attachments
- Pockets allow multiple positions of the cutting attachments
- The bevel angle of the cutting head ensures optimum material removal and a perfect surface
- Suitable for all types of wood, acrylic, epoxy resin, composite materials, antlers, pewter and many other materials.



Each shaft has its own precisely manufactured fit for the corresponding cutter.



The shaft is rounded at the bottom so that the tool can be moved freely and still lies securely on the knife support.



Mini Shaft with Cutter.



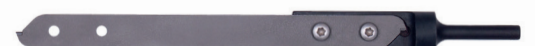
Midi Short Shaft with Cutter.



Midi Shaft with Cutter.



Maxi Shaft with Cutter.



Product ID	Material	Size	Length	Ø Shaft	Cutter Size	Preis
KS008220	Carbide (HW)	Mini	27,5 mm	8 mm	4 mm	99,90 €
KS008225	Carbide (HW)	Midi	29 mm	12 mm	4 mm	109,90 €
KS008210	RaZor	Mini	27,5 mm	8 mm	4 mm	139,90 €
KS008215	RaZor	Midi	29 mm	12 mm	4 mm	149,90 €

Blackline Tools Griffe

Alle Griffe und weitere Infos finden Sie auch auf Seite 153.

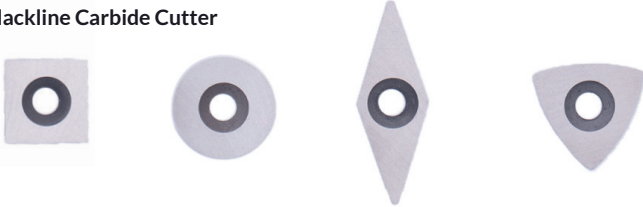
Product ID	Material	Size	Length	Ø	Shaft-Fit	Price
KS008120	Ally	Mini	200 mm	37 mm	5,5 - 8 mm	99,90 €
KS008140	Ally	Midi	310 mm	45 mm	8 - 12 mm	129,90 €
KS008160	Ally	Maxi	413 mm	45 mm	12 - 16 mm	145,00 €
KS008110	Moly	Mini	200 mm	37 mm	5,5 - 8 mm	99,90 €
KS008130	Moly	Midi	310 mm	45 mm	8 - 12 mm	129,90 €
KS008150	Moly	Maxi	413 mm	45 mm	12 - 16 mm	145,00 €

Collets

Product ID	Size	Shaft-Fit	Price
KS008170	Mini	5,5 - 8 mm	29,00 €
KS008172	Midi	8 - 12 mm	32,00 €
KS008174	Maxi	12 - 16 mm	34,00 €
KS008176	Maxi +	16 - 19 mm	36,00 €

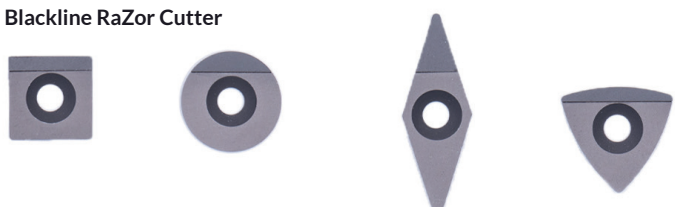


Blackline Carbide Cutter



Product ID	Form	Material	Size	Dimensions	Thickness	Price
KS008905	Square	Carbide	Mini	9,5 x 9,5 mm	3,2 mm	19,90 €
KS008915	Square	Carbide	Midi	12,5 x 12,5 mm	3,2 mm	22,90 €
KS008925	Square	Carbide	Maxi	16 x 16 mm	3,2 mm	25,90 €
KS008906	Round	Carbide	Mini	Ø 10 mm	3,2 mm	19,90 €
KS008916	Round	Carbide	Midi	Ø 16 mm	3,2 mm	22,90 €
KS008926	Round	Carbide	Maxi	Ø 19 mm	3,2 mm	25,90 €
KS008907	V	Carbide	Mini	18,5 x 7 mm	3,2 mm	19,90 €
KS008917	V	Carbide	Midi	28 x 10 mm	3,2 mm	22,90 €
KS008927	V	Carbide	Maxi	39 x 13,5 mm	3,2 mm	25,90 €
KS008908	W	Carbide	Mini	12,5 x 12,5 mm	3,2 mm	19,90 €
KS008918	W	Carbide	Midi	16,5 x 16,5 mm	3,2 mm	22,90 €
KS008928	W	Carbide	Maxi	21 x 21 mm	3,2 mm	25,90 €

Blackline RaZor Cutter



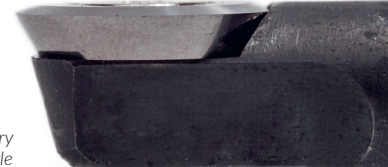
Product ID	Form	Material	Size	Dimensions	Thickness	Price
KS008935	Square	RaZor	Mini	9,5 x 9,5 mm	3,2 mm	59,90 €
KS008945	Square	RaZor	Midi	12,5 x 12,5 mm	3,2 mm	74,90 €
KS008955	Square	RaZor	Maxi	16 x 16 mm	3,2 mm	89,90 €
KS008936	Round	RaZor	Mini	Ø 10 mm	3,2 mm	59,90 €
KS008946	Round	RaZor	Midi	Ø 16 mm	3,2 mm	74,90 €
KS008956	Round	RaZor	Maxi	Ø 19 mm	3,2 mm	89,90 €
KS008937	V	RaZor	Mini	18,5 x 7 mm	3,2 mm	59,90 €
KS008947	V	RaZor	Midi	28 x 10 mm	3,2 mm	74,90 €
KS008957	V	RaZor	Maxi	39 x 13,5 mm	3,2 mm	89,90 €
KS008938	W	RaZor	Mini	12,5 x 12,5 mm	3,2 mm	59,90 €
KS008948	W	RaZor	Midi	16,5 x 16,5 mm	3,2 mm	74,90 €
KS008958	W	RaZor	Maxi	21 x 21 mm	3,2 mm	89,90 €

Blackline Carbide Klingen mit negativ Winkel

Product ID	Form	Material	Size	Dimensions	Thickness	Price
KS008905	Square	Carbide	Mini	9,5 x 9,5 mm	3,2 mm	25,90 €
KS008915	Square	Carbide	Midi	12,5 x 12,5 mm	3,2 mm	27,90 €
KS008906	Round	Carbide	Mini	Ø 10 mm	3,2 mm	25,90 €
KS008916	Round	Carbide	Midi	Ø 16 mm	3,2 mm	27,90 €
KS008908	W	Carbide	Mini	12,5 x 12,5 mm	3,2 mm	25,90 €
KS008918	W	Carbide	Midi	16,5 x 16,5 mm	3,2 mm	27,90 €



The new cutter with a negative cutting angle enable a very clean cut - even in the „scraping“ mode. The negative angle is hardly aggressive and therefore very safe to use and is particularly suitable for end-grain woodturning and to prepare shapes before the last cut.



Frequently asked Questions

Industrial carbide cutting or BlackLine cutting? What's the difference?

In industry, carbide cutters are successfully used for machining materials. We are often asked whether one could just use such industrial hard metal cutters? The difference to the BlackLine cutters is that industrial cutting blades have been developed for two-axis systems - and therefore not for free-hand turning. The BlackLine Tools have an edge radius, a cutter thickness, a flat surface and a bevel angle. These were designed directly for the use of hand-held tools. Industrial cutters that are operated by machines can therefore under certain circumstances be far too aggressive and dangerous for use on a hand tool.

Is that still woodturning?

As already described, the BlackLine Tools are cutting tools that have been developed for use by hand. They are therefore **full-fledged turning tools**.

Can you sharpen the blades?

No, but since every carbide blade has several sides, if the tool is ever blunt, you can simply turn the blade further until you have a new, unused cutting edge. However that said BlackLine Tools sister company have developed a range of quality diamond grinding pastes ranging from 10um [5000 grit] to 0.02um [150 000 grit] for use in re-sharpening BlackLine Carbide cutters.

BlackLine Leather Tool Rolls

Practical roller bag for storing BlackLine tools made of high quality leather. Provides space for 4 BlackLine tools and a BlackLine handle. The star key and parting tool can also be wrapped in this roll.

Product ID	Size	Dimension	Price
KS008810	Mini	350 x 250 mm	49,00 €
KS008820	Midi	450 x 360 mm	79,00 €
KS008830	Maxi	480 x 450 mm	99,00 €

