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Venev 150x25x3 B2-01 and OSB 100%

Grittiness

-  1/0 microns OSB (F2500)
-  2/1 microns OSB (F2000)
-  3/2 microns OSB (F1200)
-  7/5 microns OSB (F800)
-  10/7 microns OSB (F600)
-  20/14 microns OSB (F400)
-  40/28 microns (F320)
-  50/40 microns (F280)
-  100/80 microns (F120)
-  160/125 microns (F100)
-  200/160 microns (F 80)

Diamond bars manufactured by **Venev Industrial Diamonds Inc.** Unlike abrasive stones, diamond bars wear off much less, so it's recommended to use them with hard steel. Suitable for K03 and Blitz and Kadet standard abrasive holders.

The 160/125, 100/80, 50/40, and 40/28 are made on an organic bond B2-01. Organic ligament consists of phenol-formaldehyde resins and various compositions based on them. These, during hot pressing, are Bakelized into a solid and sufficiently strong substance that holds the cutting grains in the working layer of the tool. Moreover, such a bundle will be sufficiently strong and vicious, but not rigid enough. To give it rigidity, abrasive grinding powders, such as boron carbide, are added.

The 20/14, 10/7, 7/5, 3/2, 2/1, and 1/0 side is made on an improved organic OSB bond. This is a modernized bond, which is based not on a grinding powder, but on a micro-powder of the ACM brand, made of synthetic diamonds of normal abrasive capacity. The difference between the OSB bond and others is that it does not use boron carbide. In addition, the abrasive layer on it is not sintered but is glued to the body of the metal plate. The absence of unnecessary inclusions of other abrasives makes it possible to do softer and finer work. OSB bond is ideal for hard steels at small angles.

The sides are marked with greatness according to the state standard scale.

Stone size: **150x25x3** mm (LxWxH)

Size with blank: **160x25x7** mm (LxWxH)

Diamond layer thickness: **3** mm.

Diamond powder concentration: **100%**

- 200/160 microns (F80)
- 160/125 microns (F100)
- 100/80 microns (F120)
- 50/40 microns (F280)
- 40/28 microns (F320)
- 20/14 microns OSB (F400)
- 10/7 microns OSB (F600)
- 7/5 microns OSB (F800)
- 3/2 microns OSB (F1200)
- 2/1 microns OSB (F2000)
- 1/0 microns OSB (F2500)

Recommendations for work: sharpen dry or with soap foam or water. To clean the bar from glazing, use water and a brush.

On OSB bond it's better to use sharpening oil for better results!!

These stones are suitable for Blitz, Blitz 360, Kadet, K03, Edge Pro, and knife sharpeners.



Venev 150x25x3 CBN MS1 100%

Grittiness

-  7/5 microns (F800)
-  20/14 microns (F400)
-  50/40 microns (F220)
-  100/80 microns (F120)
-  160/125 microns (F100)
-  200/160 microns (F80)

Metallic **CBN** Sharpening Stones: are used for sharpening knives using Hapstone sharpeners. CBN (Cubic Boron Nitride) is the second-hardest material after diamond. CBN's qualities include its high levels of high hardness, strength, abrasion resistance, and thermal and chemical resistance. These characteristics exceed the values of synthetic diamonds and conventional abrasives such as silicon carbide and aluminum oxide. In particular, CBN's high thermal stability and chemical resistance make it suitable for sharpening in conditions where synthetic diamonds are not normally employed. CBN offers excellent performance in sharpening knives of any steel. Due to its high resistance, CBN can be used dry without lubricant. This makes CBN the cleanest of the available sharpening stones.

Metallic CBN stones utilize copper-tin alloy bonding for high endurance and low wearing rate. Metallic CBN Stones consist of a 3 mm thick CBN-bearing metal plate

The **MS-1** bundle includes the following components:

copper, tin, diamond, additional silicon carbide filler, which is finer in the diamond fraction, and other components that allow you to actively remove metal during the entire service life.

The bond of the grinding tool is a binder, with the help of which the grains of the abrasive material are combined into a mass of high strength. One of the most common bonds, along with organic and galvanic bonds, is a metal bond. It is mainly used for bonding diamonds and CBN (artificial diamond) abrasives. The structure of the metal bond traditionally includes various metals: tungsten and cobalt, iron and nickel, and copper and tin. Abrasives on this bond are usually designated with the letter M and have a light gray tint.

The metal bond, according to its main purpose, must hold diamond grains on the working surface of the tool and at the same time withstand mechanical and thermal loads. Naturally, the main criterion for its quality is the intensity of its wear, it should be minimal. This is achieved by simply increasing the hardness of the bond to the maximum possible. The baking of such a bundle usually occurs at temperatures of 900-1300 degrees. Plasticity also plays an important role in the work of the bond, since it is necessary to ensure complete coverage of the abrasive grains with the bond, without gaps. In addition, the effectiveness of the bond also depends on the thermal conductivity, which determines the intensity of the heat flux removal and ensures minimal heating of the working area of the tool. The number of materials that can give such characteristics is not large. The most common are copper-aluminum, copper-tin, and aluminum-zinc ligaments.

The sides are marked with greatness according to the state standard scale.

Stone size: 150x25x3 mm (LxWxH)

Size with blank: 160x25x7 mm(LxWxH)

Diamond layer thickness: 3 mm.

CBN (Cubic Boron Nitride) powder concentration: 100%

200/160 microns (F80)

160/125 microns (F100)

100/80 microns (F120)

50/40 microns (F220)

20/14 microns (F400)

7/5 microns (F800)

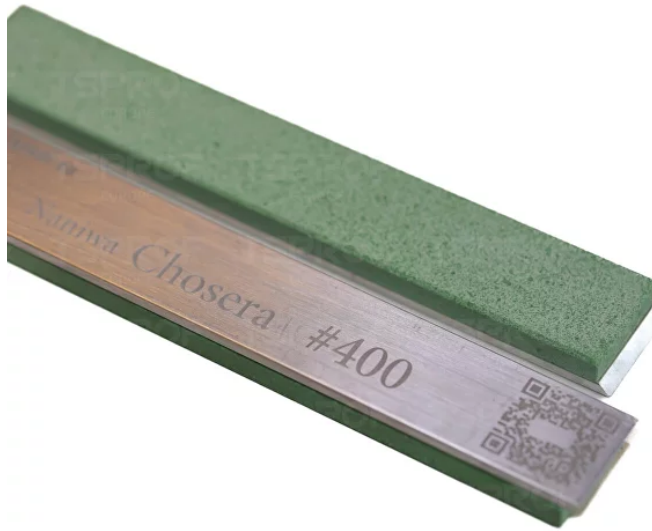
HOW TO USE:

Metallic CBN can be used; without lubricants.

Metallic CBN stones may have tone; imperfections. Metallic CBN may become darker over time due to natural metal oxidizing, it does not affect the sharpening.

Metallic CBN stones do not require any; preparations.

These stones suit Blitz, Blitz 360, Kadet, and K03 knife sharpeners.



NANIWA Professional (Chosera)

Grittiness

-  #400
-  #600
-  #800
-  #1000
-  #2000
-  #3000
-  #5000
-  #10000
-  Full set.

Naniwa Chosera Professional is an improved series of Naniwa stones. A magnesium bond material is applied in this series. The Naniwa stones provide such high performance because of the improved formula.

They do not require soaking

Japanese quality

The wear is half compared to the previous Naniwa series

Do not become salted during the working process

High performance

Naniwa Professional is designed for the basic sharpening and fitting of blades that do not require either a large metal removal or repair. The stone is supplied on a blank; it perfectly fits the TSPROF sharpener holder and others. They allow the sharpening of almost any steel with a hardness from 56HRC to 68HRC

Stone dimensions: 152 × 25 × 6 mm

Material: aluminum oxide.









These stones suit Blitz, Blitz 360, Kadet, and K03 knife sharpeners.



NANO HONE 152 x 25 x 6.5 mm

Артикул: DR-1-6-200

Grittiness

-  1 micron
-  3 micron
-  10 micron
-  25 micron
-  50 micron
-  100 micron
-  200 micron
-  Full set

Diamond resin plates for NANO RASP and Edge Pro style jigs. The honeycomb matrix is an original design by Hap Stanley. This resin is much softer than anything else on the market. Which allows the surface of the plates to be maintained more easily. This binder is environmentally friendly, slightly hydrophilic, and very tough. Sharpening can be done completely dry or with a few drops of water. We also recommend a light coating of very light oil like camellia oil on the surface of the plates from time to time. This evens out the scratches and improves the polish. We also recommend finishing at each grit with stropping (trailing edge) strokes. This really evens out the scratches. Working with this abrasive is different from traditional water stones and formaldehyde-based resins. it requires a lot less pressure than those mediums.

Grit size: 1, 3, 10, 25, 50, 100, and 200-micron sizes

Dimension: 152 x 25 x 6.5 mm (1" X 6")

Abrasives: Monocrystalline diamond.

Diamond layer thickness: 1 mm.

Machined Anodized Aluminum backing plate attached.

These stones suit Blitz, Blitz 360, Kadet, and K03 knife sharpeners.


Venev (PREMIUM) 200x35x12 B2-01 and OSB 100%


Артикул: TS-SH2000680



Grittiness

 7/5-3/2 (Grit 2500-5000)

 50/40-20/14 (Grit 280-700)

 160/125-100/80 (Grit 100-120)

Double-sided diamond bar of the Venevsky Diamond Plant of the premium series on a flat aluminum plate. The abrasive layer on this plate does not sinter but sticks to the plate body. Already out of the box, this bar is ready for use; **it does not require alignment on silicon carbide.**

The bar is suitable for basic sharpening.

Side 160/125, 100/80, and 50/40 are made on an organic bond B2-01. Organic ligament consists of phenol-formaldehyde resins and various compositions based on them. Which, during hot pressing, are Bakelized into a solid and sufficiently strong substance that holds the cutting grains in the working layer of the tool. Moreover, such a bundle will be sufficiently strong and vicious, but not rigid enough. To give it rigidity, abrasive grinding powders, such as boron carbide, are added.

Side 20/14, 7/5-3/2 is made on the new upgraded OSB bundle. The difference between the OSB bundle and the others is that it does not use boron carbide. In addition, the abrasive layer on it does not sinter but sticks to the body of the metal plate. The absence of extra impregnations of other abrasives makes it possible to do softer and finer work. Already out of the box, such a bar is ready for use; it does not require alignment on silicon carbide. The OSB bond is ideal for hard steels at small angles.

The bar is suitable for pre-finishing sharpening and fine-tuning.

Stone size: 200x35x12 mm. (LxWxH)

Diamond layer thickness: 3 mm.

Diamond powder concentration: 100%

Grittiness: 160/125-100/80 (Grit 100-120)

Grittiness: 50/40-20/14 (Grit 280-700)

Grittiness: 7/5-3/2 (Grit 2500-5000)

Diamond Powder Concentration: 100%

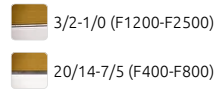
Recommendations for work:

Works with soapy water as well as with oil. The manufacturer recommends working with water or soapy water, but working with oil gives an excellent result without leaving a large amount of aqueous suspension.



Venev (PREMIUM) 200x83,4x12 OSB 100%

Grittiness



Double-sided diamond bar of the Venevsky Diamond Plant of the premium series on a flat aluminum plate. The abrasive layer on this plate does not sinter but sticks to the plate body. Already out of the box, this bar is ready for use; **it does not require alignment on silicon carbide.**

Side 20/14, 7/5, 3/2, and 1/0 are made on the new upgraded OSB bundle. The difference between the OSB bundle and the others is that it does not use boron carbide. In addition, the abrasive layer on it does not sinter but sticks to the body of the metal plate. The absence of extra impregnations of other abrasives makes it possible to do softer and finer work. Already out of the box, such a bar is ready for use; it does not require alignment on silicon carbide. The OSB bond is ideal for hard steels at small angles.

The bar is suitable for pre-finishing sharpening and fine-tuning.

Stone size: **200x83,4x12** mm. (LxWxH)

Diamond layer thickness: **3 mm.**

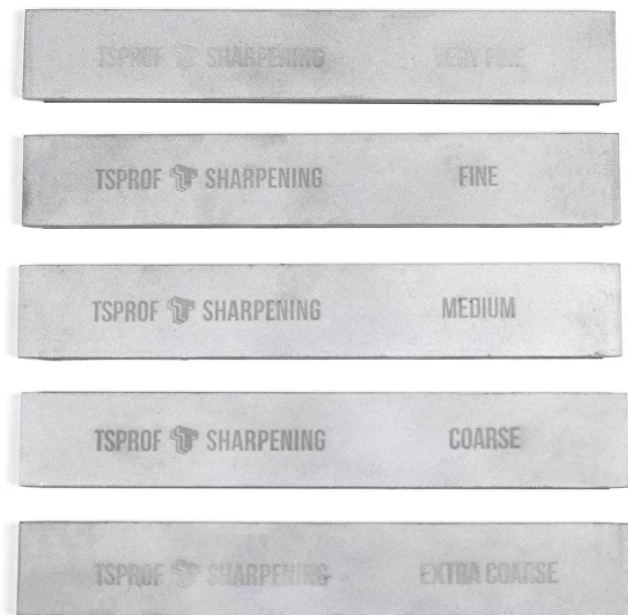
Diamond powder concentration: **100%**

Grittiness: 20/14-7/5 (F400-F800), 3/2-1/0 (F1200-F2500)

Diamond Powder Concentration: 100%

Recommendations for work:

Works with soapy water as well as with oil. The manufacturer recommends working with water or soapy water, but working with oil gives an excellent result without leaving a large amount of aqueous suspension.



DIAMOND PLATES KIT (5PCS) ON BLANKS BLITZ AND KADET SET

Артикул: TS-SH2000740

Diamond plates on galvanic bond provide intensive metal removing and can be used for the cutting edge with significant damage (chips, bends etc.).

The set of diamond plates on blanks consists of:

Diamond plate F150 Extra Coarse is used for rough grinding of the edge and by forming the shape of the blade.

Diamond plate F220 Coarse is used for forming the cutting edge.

Diamond plate F400 Medium is used for main sharpening operations and creating the aggressive cut.

Diamond plate F600 Fine is used for pre-finishing of the cutting edge and removing of noticeable marks.

Diamond plate F1000 Very Fine is used for finishing the cutting edge.

They work much more aggressively than stones on organic or metallic bond with the same grain size. It's achieved by protruding diamond grains, whereas grains in organic or metallic bond are stuck in the binder and mixed with it. The grain concentration in a layer is 100%.

Although it should be noticed that these stones will give in to other stones in duration of work because of thin coating, which will actively remove while sharpening.

You also should remember, that by working with soft steels (up to 58 HRC) these diamond stones will work out faster than by working with harder steels.

Diamond stones on galvanic bond don't require preparing for work (levelling, "cheering up" etc.).

Abrasive dimensions: 4x25x150 mm

Gritness:

150 grit (FEPA-F)

220 grit (FEPA-F)

400 grit (FEPA-F)

600 grit (FEPA-F)

1000 grit (FEPA-F)



Venev 150x24x11 B2-01 and OSB 100%

Артикул: TS-SH2001070

Grittiness

-  3/2-1/0
-  20/14-7/5
-  100/80-50/40
-  200/160-160/125
-  Set of 4

Diamond bars manufactured by **Venev Industrial Diamonds** Inc. Unlike abrasive stones, diamond bars wear off much less, so it's recommended to use them with hard steels. Suitable for K03 and Blitz and Kadet standard abrasive holder.

Side 200/160, 160/125, 100/80, 50/40 are made on an organic bond B2-01. Organic ligament consists of phenol-formaldehyde resins and various compositions based on them. Which, during hot pressing, are Bakelized into a solid and sufficiently strong substance that holds the cutting grains in the working layer of the tool. Moreover, such a bundle will be sufficiently strong and vicious, but not rigid enough. To give it rigidity, abrasive grinding powders, such as boron carbide, are added.

The 20/14, 7/5, 3/2, 1/0 side is made on an improved organic OSB bond. This is a modernized bond, which is based not on a grinding powder, but on a micro-powder of the ACM brand, made of synthetic diamonds of normal abrasive capacity. The difference between the OSB bond and others is that it does not use boron carbide. In addition, the abrasive layer on it is not sintered but is glued to the body of the metal plate. The absence of unnecessary inclusions of other abrasives makes it possible to do softer and finer work. OSB bond is ideal for hard steels at small angles.

The sides are marked with the gritnes according to the state standard scale.

Stone size: **150x24x11** mm (LxWxH)

Diamond layer thickness: **1 mm.**

Diamond powder concentration: **100%**

Grain size 1 side: 200/160 microns (Grit 80)

Grain size 2 side: 160/125 microns (Grit 100)

Grain size 3 side: 100/80 microns (Grit 120)

Grain size 4 side: 50/40 microns (Grit 280)

Grain size 5 side: 20/14 microns OSB (Grit 700)

Grain size 6 side: 7/5 microns OSB (Grit 2500)

Grain size 7 side: 3/2 microns OSB (Grit 5000)

Grain size 8 side: 1/0 microns OSB (Grit 15000)

Recommendations for work: sharpen dry or with soap foam or water. To clean the bar from glazing, use water and a brush.

On OSB bond it's better to use sharpening oil for better results!!

These stones are suitable for Blitz, Blitz 360, Kadet, K03, Edge Pro, knife sharpeners.



Boride T2 Narrow Kit (8pcs) on blanks

Артикул: TS-SH1700300

Narrow stones are more convenient for sharpening S-shaped RK, concave blades, and cutting tools of small dimensions.

Characteristics:

Stone size: 150x12x3mm. (1/8*1/2*6")

Grit: 150, 220, 320, 400, 600, 800, 1000, 1200 grit.

Material: Aluminum Oxide

T2 150 1/8*1/2*6"

T2 220 1/8*1/2*6"

T2 320 1/8*1/2*6"

T2 400 1/8*1/2*6"

T2 600 1/8*1/2*6"

T2 800 1/8*1/2*6"

T2 1000 1/8*1/2*6"

T2 1200 1/8*1/2*6"

BORIDE T2 KIT (6PCS)

Артикул: TS-SH1702000

Boride T2 sharpening stones

The sharpening stones are made from aluminum oxide and rock-solid. As such the stones quickly remove material and hardly wear out. Boride states that the T2 collection is the best collection to sharpen stainless steel. You can, however, also sharpen other types of steel with these sharpening stones. You can use the sharpening stones with water or sharpening oil. Do make sure, however, that if you use sharpening oil once, you always need to use sharpening oil! Water is not as effective on sharpening which has already been used with sharpening oil.

T2 series stones are made of aluminum oxide and use a very strong bond. As a result, these stones are high performance and their wear rate is below average. Boride T2 is recommended for working with stainless steel.

Characteristics:

Material: aluminum oxide

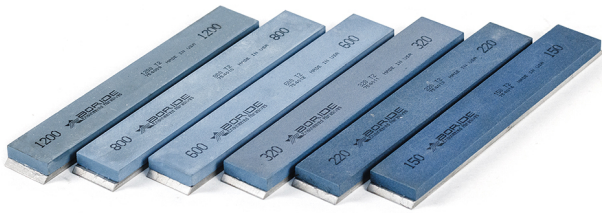
Size of stones: 150x25x6 mm

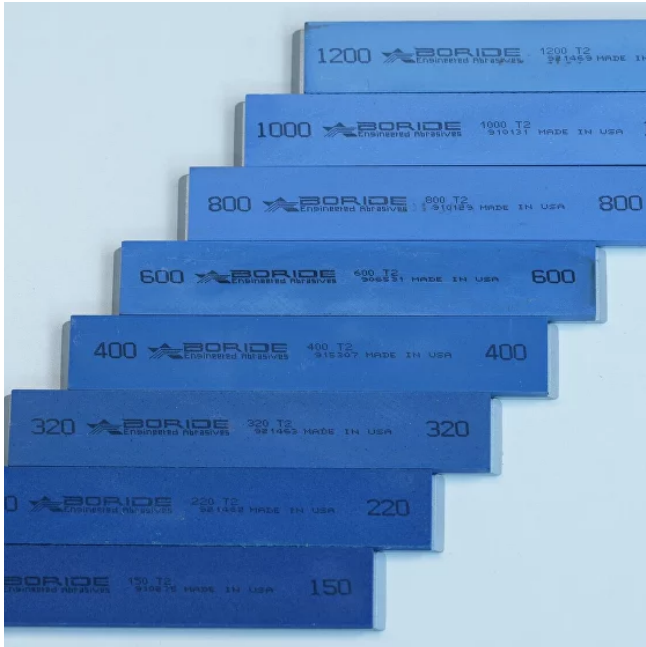
Size with blanks: 160x25x9 mm

Gritness: F150, F220, F320, F600, F800, F1200

Boride stones should be used with one of these **lubricants**:

- Refined olive oil
- Oleic acid
- TSPROF Liquid for abrasive stones





BORIDE T2 KIT (8PCS)

Boride T2 sharpening stones

The sharpening stones are made from aluminum oxide and are rock-solid. As such the stones quickly remove material and hardly wear out. Boride states that the T2 collection is the best collection to sharpen stainless steel. You can, however, also sharpen other types of steel with these sharpening stones. You can use the sharpening stones with water or sharpening oil. Do make sure, however, that if you use sharpening oil once, you always need to use sharpening oil! Water is not as effective in sharpening which has already been used with sharpening oil.

T2 series stones are made of aluminum oxide and use a very strong bond. As a result, these stones are high-performance and their wear rate is below average. Boride T2 is recommended for working with stainless steel.

Characteristics:

Material: aluminum oxide

Size of stones: 150x25x6 mm

Size with blanks: 160x25x9 mm

Gritness: F150, F220, F320, F400, F600, F800, F1000, F1200

Boride stones should be used with one of these **lubricants**:

- Refined olive oil
- Oleic acid
- TSPROF Liquid for abrasive stones

Triple-coated diamond abrasives kit (4 pcs.)

Артикул: TS-SH2000940

Triple-coated diamond abrasives kit (4 pcs.).

The set is intended for **grinding**. Diamonds are made on a galvanic bond. **Provide intensive removal of metal** and can be used for the cutting edge of a knife that has significant damage (chips, cracks, etc.). They work noticeably more aggressive than diamonds on organic and metal bonds with the same grain size and practically do not grease. This is achieved by the prominent diamond grains, while in the metal and organic binder, the diamond grains are recessed into the binder and mixed with it. The bar contains a triple diamond layer. The diamond layer is located on both sides of the bar, with the same grain on each side. The concentration of diamonds in the layer is 100%. The geometry of the working plane is smooth on both sides, the block does not need to be aligned, the diamond layer is opened during operation. A set of diamond bars comes in a nylon case.

Characteristics:

Length: 150mm

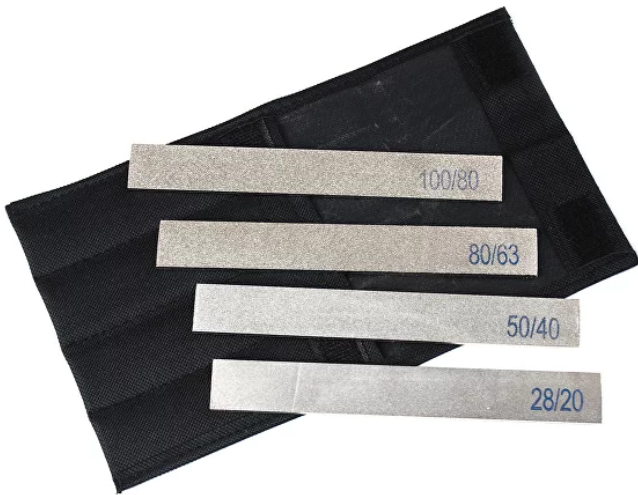
Width: 20 mm

Height: 3mm

Gritness (μm): 28/20, 50/40, 80/63, 100/80.

Powder Brand: AC15

Recommendations for work: before starting, moisten the diamond layer of the bar with water. In the process of sharpening, periodically rinse the diamond layer with clean warm water with a brush and avoid salting. Not intended for use with oil. After stopping, clean from contamination, rinse in warm water. Store in a dry place.



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