



KRISTALL

quality and reliability in everything

CARBIDE CUTTERS and DENTAL HANDPIECES



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DENTAL HANDPIECES «KRISTALL»

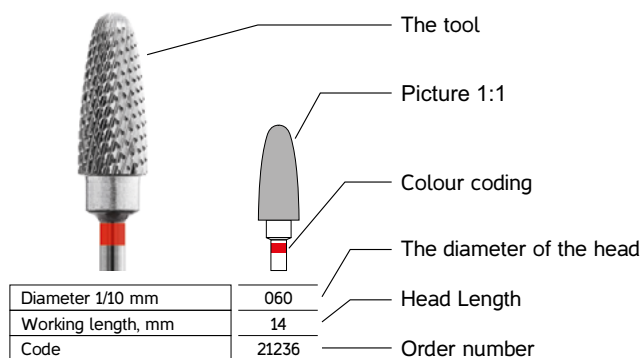
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CARBIDE CUTTERS «KRISTALL»

In 2009, Kristall created manufacturing facility Alians LLC to produce carbide cutters for dental laboratories under «Kristall» trademark. The company's facility is equipped with modern CNC machines manufactured in Switzerland and Russia.

Raw material for the manufacture of cutters is supplied by the leading manufacturers of carbide material. The latest measuring equipment enables continuous monitoring and guarantees the high quality of our products.

The variety of shapes and sizes of cutters makes it possible to process a variety of materials, that makes them irreplaceable for dental technology. Our products are also applied in the nail service and jewelry business.



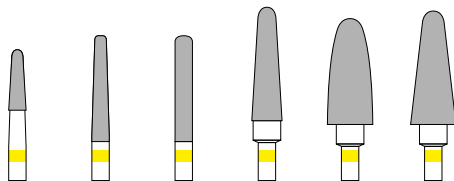
RECOMMENDED SPEED FOR TUNGSTEN CARBIDE CUTTERS

Diameter 1/10 mm	rpm
10 - 023	5 000 - 40 000
025 - 045	15 000 - 30 000
050 - 080	15 000 - 20 000

The speed depends on the diameter of the tool. For safety reasons, should not exceed the maximum recommended speed.



TUNGSTEN CARBIDE CUTTER WITH SUPERFINE CROSSCUT

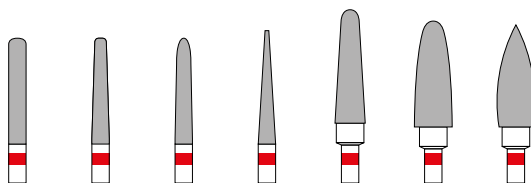


Diameter 1/10 mm	023	023	023	040	060	060
Working length, mm	8	14	14	15	14	15
Code	11180	11130	11230	11240	11236	11360

For the thinnest treatment of all types of metal alloys and composites. The special geometry of the blades does not create impact onto the surface, so SCC is used to handle any products from the ceramic material. Fine processing any alloys and composites are ideal for finishing gold, precious metals, ceramics.



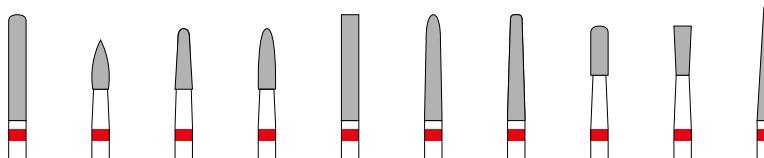
TUNGSTEN CARBIDE CUTTER WITH FINE PLAIN CUT



Diameter 1/10 mm	023	023	023	023	040	050	050
Working length, mm	14	14	14	15	15	14	13,5
Code	60230	60130	60123	60013	60240	60235	60054

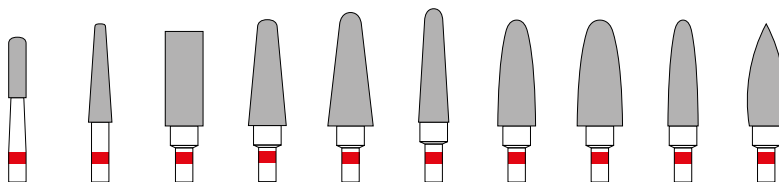
For the processing of all dental materials. For the final processing of the alloys of precious and base metals, as well as skeletons clasp dentures. It smooths the surface and allows to produce an isolated processing of each structure.

TUNGSTEN CARBIDE CUTTER WITH FINE CROSSCUT



Diameter 1/10 mm	023	023	023	023	023	023	023	023	023	023	023
Working length, mm	14	6,5	8	8	14	14	14	6,5	6,5	15	
Code	21230	21015	21180	22123	21023	21123	21130	21210	21021	21013	

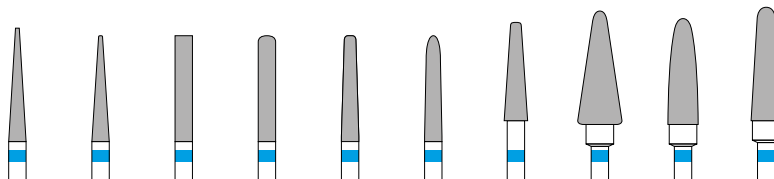
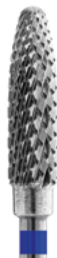
They are used for finishing of precious metals alloys, nickel-chromium alloys, steel, as well as for quick rough machining ceramics, shaping and contouring. Large diameter cutters can be used for processing the wide surfaces bite correction. Cutter with a pointed working part suitable for work between the structural elements. The construction the cutting edges enables easy infeed cutter into the metal and fast cutting of material in a small pressure on the cutter surface. With this cutter can be used for medical correction. whole-cast and metal prostheses in the clinic using a micromotor dental unit, which has no such power, as the Dental micromotor.



Diameter 1/10 mm	023	031	050	050	060	040	050	060	040	050
Working length, mm	8	13	12,5	14	15	15	14	14	14	13,5
Code	22230	21231	21055	21350	21360	21240	21235	21236	21234	21054

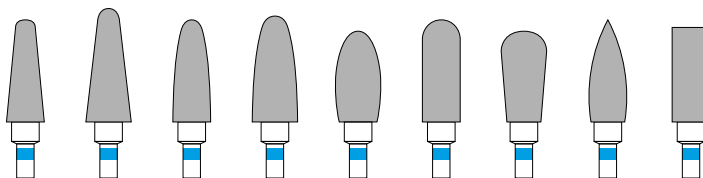


TUNGSTEN CARBIDE CUTTER WITH STANDARD CROSS CUT



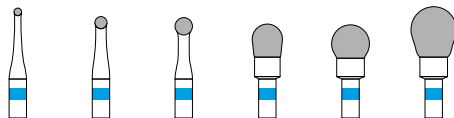
Diameter 1/10 mm	023	023	023	023	023	023	031	060	040	040
Working length, mm	15	14	14	14	14	14	13	15	14	15
Code	31013	31131	31023	31230	31130	31123	31231	31160	31234	31240

For processing precious metal alloys, carcasses clasp prostheses and for rough machining without separation structures of articles made of any dental materials. Ideal for fine work on the plaser.



Diameter 1/10 mm	050	060	050	060	060	050	060	050	050
Working length, mm	13,5	15	13,5	14	12	13,5	12	13,5	12,5
Code	31350	31360	31235	31236	31365	31550	31646	31054	31055

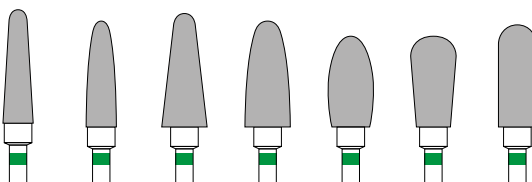
ROUND TUNGSTEN CARBIDE CUTTER



Diameter 1/10 mm	010	016	023	040	050	060
Working length, mm	1,0	1,6	2,3	4,0	5,0	6,0
Code	Ø1,0	Ø1,6	Ø2,3	Ø4,0	Ø5,0	Ø6,0

They are used for fast processing of chrome cobalt, chromium-nickel and other alloys. Possess high wear resistance. Surfaces made of cutters with sharp edges and large cruciform system broke off a shavings. When using high-speed dental micromotors the metal is processed very quickly.

TUNGSTEN CARBIDE CUTTER WITH COARSE CROSS CUT

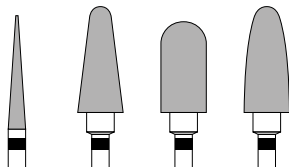


Diameter 1/10 mm	040	040	060	060	060	060	050
Working length, mm	15	14	15	14	12	12	13,5
Code	41240	41234	41360	41236	41365	41646	41550

For the thinnest processing of all types of metal alloys and composites. The special geometry of the blades does not create impact onto the surface, so coarse cross cut is used to process any products from the ceramic material. Fine processing any alloys and composites. Ideal for finishing of gold, precious metals, ceramics.



TUNGSTEN CARBIDE CUTTER WITH SUPER COARSE CROSS CUT

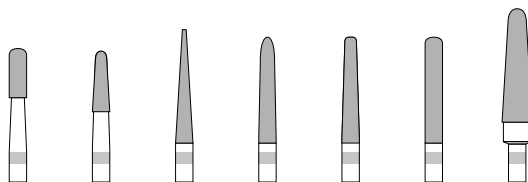


Diameter 1/10 mm	023	060	060	060
Working length, mm	15	14	12	14
Code	ПИКА	51360	51660	51236

Cutters for work on plastic. For coarse processing of plastic products, as well as to carry out major works on plaster and materials for individual spoons.



TUNGSTEN CARBIDE CUTTER WITH FINE SPIRAL CUT

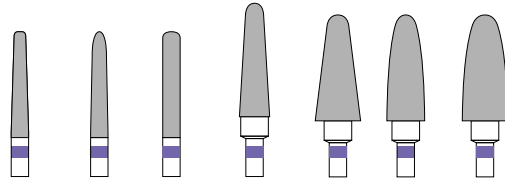


Diameter 1/10 mm	023	023	023	023	023	023	040
Working length, mm	6,5	8	15	14	14	14	15
Code	73210	73180	73013	73123	73130	73230	73240

Cutters for work on plastic. For coarse processing of plastic products, as well as to carry out major works on plaster and materials for individual spoons.



TUNGSTEN CARBIDE CUTTER WITH CROSSWISE CUT

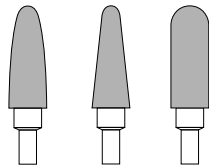


Diameter 1/10 mm	023	023	023	040	060	050	060
Working length, mm	14	14	14	15	14	14	14
Code	23130	23123	23230	23240	23360	23235	23236

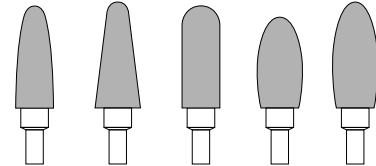
Used for processing of of cobalt chromium and chromium-nickel alloys.



SILICONE CUTTERS



Diameter 1/10 mm	050	050	050
Working length, mm	13,5	13,5	13,5
Code	50235	50350	50550



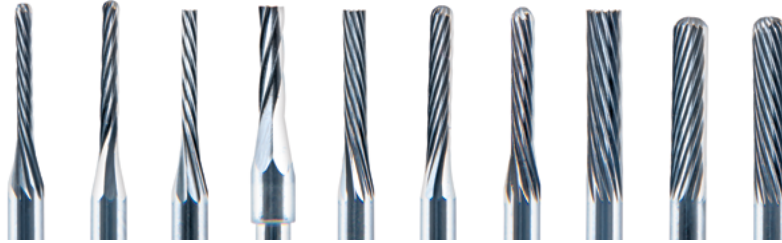
Diameter 1/10 mm	050	060	050	060	060
Working length, mm	14	14	13,5	12	14
Code	80235	80360	80550	80365	80236

They are intended for processing soft thermoplastic structures with different degree of hardness, providing an even and smooth ground surface.



CUTTERS FOR MILLING SETTING

Parallel cutter



Diameter 1/10 mm	010	010	010	016	016	016	016	023	023	023
Working length, mm	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5
Code	1010	0010	1110	1116	1115	0015	1015	1123	0023	1023

They are used for high-precision modeling and machining of parts in the manufacture of combined prostheses.

Degree cutters



Diameter 1/10 mm	023	031	040
Working length, mm	12,5	12,5	12,5
Code	223	430	640

They are used for high-precision modeling and machining of parts in the manufacture of combined prostheses.

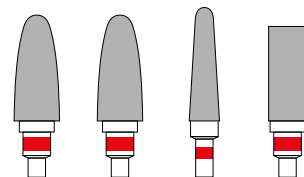
REVERSE CUTTERS



Diameter 1/10 mm	023	023	023
Working length, mm	14	14	14
Code	1166	2166	4166

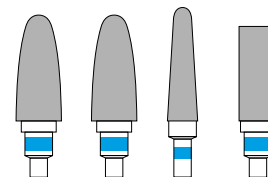
Has a special notch, which allows you to work both right and left hand, in both directions.

CERAMIC CUTTERS



Diameter 1/10 mm	060	060	040	050
Working length, mm	14	14	15	12,5
Code	21236K	12236K*	21240K	21055K

**For left-handed persons*



Diameter 1/10 mm	060	060	040	050
Working length, mm	14	14	15	12,5
Code	31236K	13236K*	31240K	31055K

**For left-handed persons*

They are designed for precise shaping, trimming and cutting of acryl. Due to the special design made from wear resistant high-quality ceramics which poorly conducts heat, the working part of this cutter is significantly less heated than in conventional cutters.

DENTAL HANDPIECES «KRISTALL»

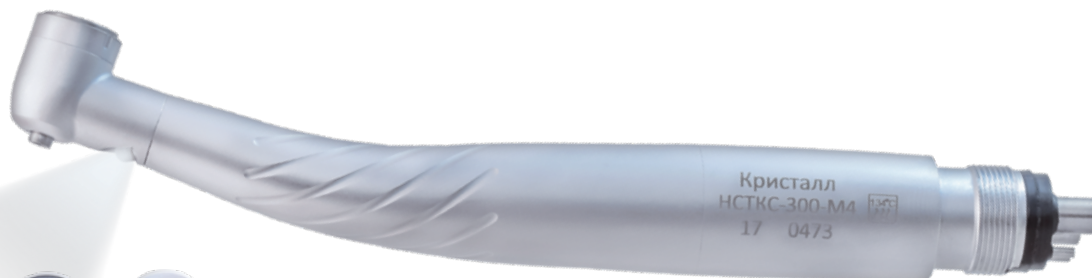
For more than 7 years Kristall has been designing and manufacturing modern high-quality dental handpieces, as confirmed by the marketing authorization and the declaration of conformity.

We are the wholesale suppliers of dental handpieces line «Kristall» in the market of the Russian Federation and CIS.

Kristall guarantees high quality of its dental handpieces, as the manufacturing uses assemblies, details and components produced exclusively in Russia. All parts have highly durable double electrodeposited coating which provides reliable protection against corrosion and prolongs the service life of handpieces.



TURBINE TIP WITH LIGHT GENERATOR NSTKS-300



Turbine tip with light generator and push-button fixation of the dental bur.

To conduct therapeutic and orthopedic work in the dentistry.

- Standard head 11.2 mm.;
- The dental bur diameter 1.59-1.6 mm;
- Connector M4;
- Speed 300,000 rpm.

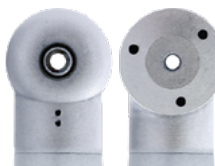
TIPTURBINEPUSH-BUTTON NSTK-300



Turbine tip with push-button fixation of the dental bur.
To conduct therapeutic and orthopedic work in the dentistry.

- Standard head 11.2 mm.;
- The dental bur diameter 1.59-1.6 mm;
- Connector M4 or B2;
- Speed 300,000 rpm.

TIPTURBINEFRICTION NSTF-300



Turbine tip with frictional clamping of dental bur.
To conduct therapeutic and orthopedic work in dentistry.

- Standard head 11.2 mm.;
- The dental bur diameter 1.59-1.6 mm;
- Connector M4 or B2;
- Speed 300,000 rpm.



TIPTURBINEFRICTION NSTBF-300

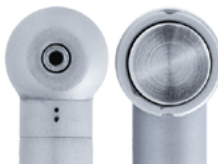


High power air turbine handpiece with a friction clamp dental bur.
To conduct therapeutic and orthopedic work in dentistry.

- Standard head 13 mm.;
- The dental bur diameter 1.59-1.6 mm;
- Connector M4 or B2;
- Speed 300,000 rpm.



TIPTURBINEPUSH-BUTTON NSTBK-300



High power air turbine handpiece with push-button fixation of the dental bur.
To conduct therapeutic and orthopedic work in dentistry.

- Standard head 13 mm.;
- The dental bur diameter 1.59-1.6 mm;
- Connector M4 or B2;
- Speed 300,000 rpm.

ROTARY GROUP TO «KRISTALL»'s TIPS



Rotary group
totip NSTKS-300



Rotary group
totip NSTK-300



Rotary group totip
NSTF-300



Rotary group
totip NSTBF-300



Rotary group
totip NSTBK-300

«Aliance»'s customer service allows for the repair and maintenance of dental handpieces «Kristall».

Modern diagnostic equipment and availability of original spare parts can produce the following repair of turbine handpieces:

- Replacement of Rotary groups;
- Replacement LED bulbs.



KRISTALL

quality and reliability in everything

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