

Режущие инструменты

Описание

По вопросам продаж и поддержки обращайтесь:

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When cutting glass capillaries, special blades are needed that are made from a material much harder than glass. Normally, a diamond-tipped blade is used here, which has a particularly high level of hardness. Blades made from zirconium oxide are a cheaper and easier alternative. These blades also have a considerably higher degree of hardness and can be resharpened at any time. The blades are particularly well suited to the separation of glass capillaries as the flat cutting point can be precisely drawn over the glass surface. The capillaries are then separated at the broken edge.

This technology even works on the extremely delicate Mark tubes with wall thicknesses of just 0.01 mm. The blades are easily tensioned with our aluminum blade holders and can be used freely with one hand only. Order the practical blade holder to complete the set.

Special ceramic blades & holder

- For cutting and scoring glass
- Suitable for separating Mark tube bottoms



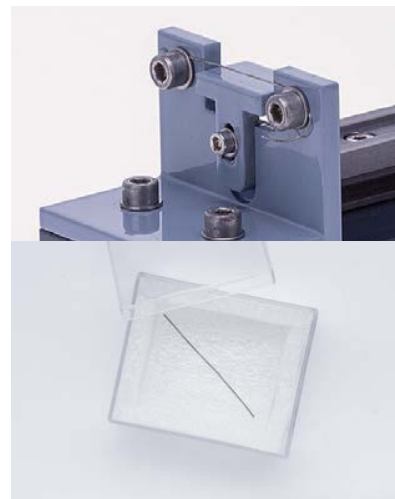
Article number	Article description
4018304	Aluminum blade holder with plastic clamp for blade
4018303	Special ceramic blades for cutting glass

Cutting device for glass capillaries

We have developed a tool based on our diamond wires that allows you to cut glass capillaries with precision. This device is particularly suitable for cutting flat capillaries and very thin-walled, round capillaries in precise, adjustable lengths. This is another tool that we use daily. The cutting device has a clamping support for the diamond wires and an easily adjustable length stop with support surface for the capillaries. This guarantees a reproducible cutting length. All

three diameters of the diamond wire can be held in the clamping support. Lengths of approx. 15–200 mm are possible.

- With length stop 200 mm
- Changeable diamond wire for scoring the glass surface
- Length stop adjustable / lockable on sliding guide track
- Stop surface in glass, for minimum frictional resistance



Article number	Article description
6002200	Cutting device for glass capillaries
6000913	Diamond wire (Diameter = 0.30 mm, Length = 50 mm, Grain size = D60)

Article number	Article description
6000915	Diamond wire (Diameter = 0.50 mm, Length = 50 mm, Grain size = D76)
6000917	Diamond wire (Diameter = 0.70 mm, Length = 50 mm, Grain size = D91)
6000923	Diamond wire (Diameter = 0.70 mm, Length = 50 mm, Grain size = D76)

Article no. 6000917 is only available while stocks last. You can use article no. 6000923 as a replacement.

Hard metal glass tube cutting tool

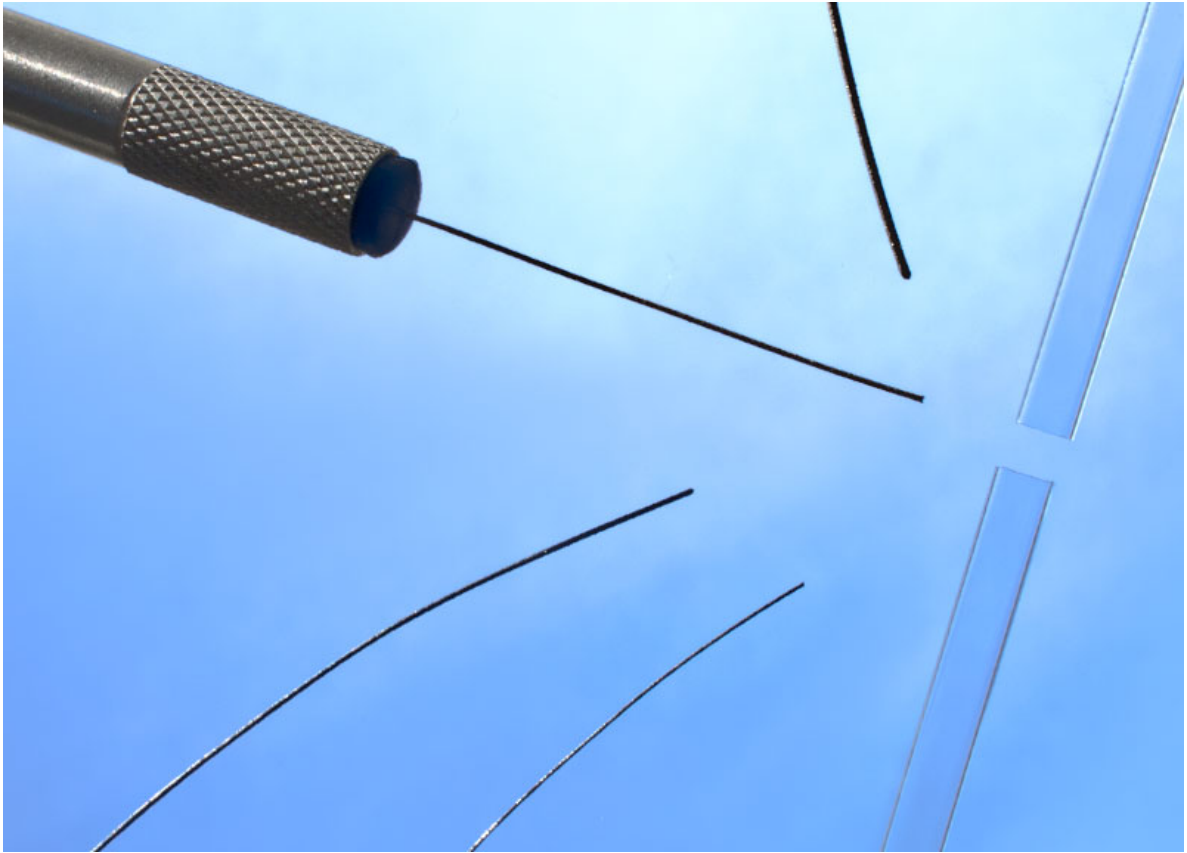


- With replaceable hard metal wheel
- For cutting glass tubes with diameters from 4 mm to 30 mm

Article number	Article description
6000021	Glass cutting tool for cutting glass tubes with diameters from 4 mm to 30 mm
6001507	Hard metal cutting wheel Ø 9.8 mm (for glass cutting tool)

Diamond wire

When it comes to cutting particularly thin-walled glass capillaries or uneven glass surfaces, it is important to apply the correct pressure to the glass with the cutting tool. Fixed, rigid tools are a clear disadvantage here and quickly lead to the glass splintering or leave uneven cuts and chipping. We have developed a special tool for this purpose, which we use daily in production. It comprises a handle in which a thin diamond wire takes the place of a standard ceramic plate. The wire absorbs the pressure, meaning the surface of the glass can be optimally scored without applying too much pressure to the structure. Depending on the glass thickness, a variety of wire thicknesses are available. By using the smallest diamond slivers on the surface of the wire, a long service life of the tool is guaranteed. The sharp interface is quickly created by rotating the wire.



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