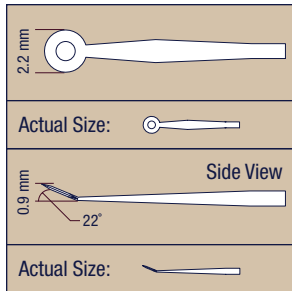


# APEX ARACHNOID KNIVES BLADES

## CIRCULAR



2.2 mm circular blade with a 0.9 mm tip width and 320° cutting edge

**Developing Planes:** Facilitates the flow of an operation by permitting the transition from sharp to blunt dissection.

The most robust of the four knives.

If presented with plane of arachnoid in a very small space the circular knife can be used to make a small hole prior to using the Backcutting Knife to more safely strip away tissue.

Surgeons use a rotating motion to move the leading edge across the surface either in a horizontal or vertical orientation. While using the knives in this manner, a surgeon can part the very top surface of tissue without penetrating deeper than the curved blade edge.

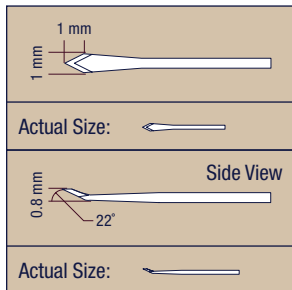
Because the circumference is sharp 320° around, the inside angle on either side can be used to catch and pull tissue.

This knife can also be used for heavier dissection in some of the most delicate spinal applications.

## CIRCULAR 0°



## PENETRATOR



1.0 mm lancet blade with a 0.8 mm tip width

**Pinpoint Precision:** Permits meticulous pinpoint dissection in areas where no tension is permissible.

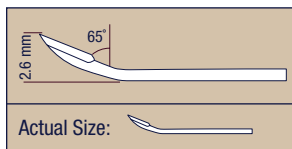
The sharpest of the four knives.

The Penetrator permits dissection without tension for operations requiring the utmost delicacy, such as dissecting adhesions from a carotid or an optic nerve or dissecting clot and scar tissue from the base of an aneurysm.

## PENETRATOR 0°



## BACKCUTTING



2.6 mm tip width with a 65° blade angle

**Safe Dissection Over Critical Areas:** Dissect with confidence over the most critical and delicate structures.

The bottom of the blade is dull.

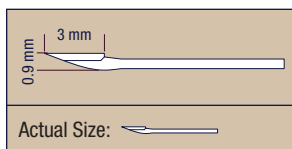
The safest and most popular knife for dissection over critical areas.

Not recommended for operating in an unopened plane of arachnoid, because surgeons would have to push the point down into an unknown area before it would cut.

Surgeons usually use the Circular Knife for making the initial incision in a plane before following the same incision with a backcutting blade.

The AM-23-S knife is often used to perform arteriotomies for cranial bypass operations.

## SIDECUTTING



3.0 mm blade length and 0.9 mm tip width

**Safe Precise Dissection:** Slim profile with safe edge allows for safety and precision in tight areas.

The Sidecutting Knife has the same safe edge as the Backcutting Knife but is not angled.

Because of its slim profile, it fits into areas where the angled distance between the heel and tip of the Backcutting Knife would limit its maneuverability.

Because of its slim profile, the sharp tip of the Sidecutting knife is less visible than that of the Backcutting Knife in deep operations. However, this knife can fit in areas that would otherwise be inaccessible.



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