



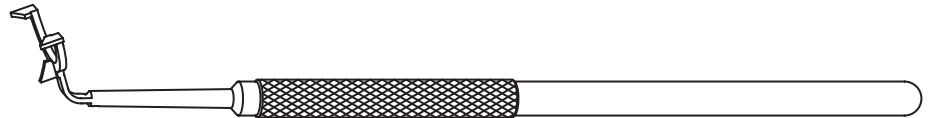
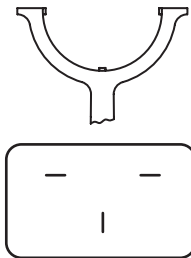
### Toric Markers

The Toric IOL's can result in marked reduction of astigmatism and therefore a high likelihood of spectacle freedom for distance vision. However, one must be able to correctly identify the intended meridians for the incision and axis alignment in order to achieve success. The Cionni Toric Marker kit provides you with the instruments needed to correctly identify and mark the intended incisional and IOL meridians. The kit includes the following: .

#### Creating reference marks

9-840

#### Cionni Toric Reference Marker



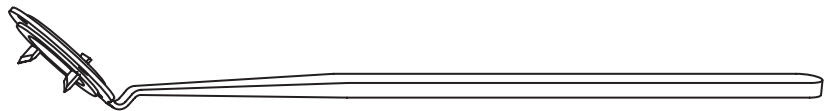
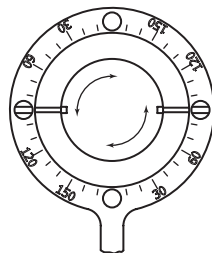
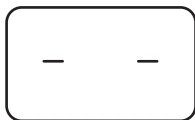
- 3 blades, radial marks
- 10.0mm inside diameter, 15.0mm outside diameter
- 70° angled shaft
- Round handle, length 124mm

The **Cionni Toric Reference Marker** (ref: 9-840) is used to mark the horizontal and vertical reference meridians. It is imperative to identify these meridians because they will be used to further identify the desired meridians for the incision and IOL alignment. The reference marks should be identified with the patient in an upright position as the eye typically rotates when the patient is supine. After applying a drop of topical anesthetic, the marker's dull "blades" are coated with a marking pen. With the patient looking straight ahead, the marker is held so that the horizontal blades are aligned with the patient's 0 and 180 meridians, **figure 1**. The marker is moved forward towards the eye so that the three blades touch the limbus at 0, 90 and 180 degrees. The patient is then prepped for surgery, **figure 2**.

#### Creating marks for the desired axis of IOL alignment

9-841

#### Cionni Toric Axis Marker



- 2 rotating blades, radial marks
- 11.0mm inside diameter, 15.0mm outside diameter
- Measures 0° to 180° in 10° increments
- 45° angled shaft
- Flat handle, length 115mm

Marking the incisional and desired axis of IOL alignment can be accomplished using the **Cionni Toric Axis Marker** (ref:9-841). The line on the top portion of the marker is rotated to set the blades to the desired meridian for the incision or IOL axis. The two blades on the underside of the Axis Marker are then coated with a marking pen and the limbus dried with a sponge. The Axis Marker is then positioned over the eye, lining up the holes at the horizontal and vertical meridians with the previously made limbal reference marks, **figure 3**. The Axis Marker is then lowered to touch the eye so that the blades make the desired marks on the limbus.

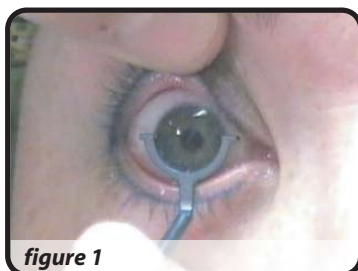


figure 1



figure 2

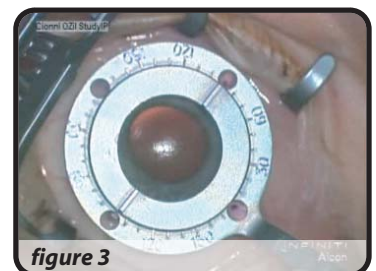


figure 3

video available at

[www.duckworth-and-kent.com/videos](http://www.duckworth-and-kent.com/videos)

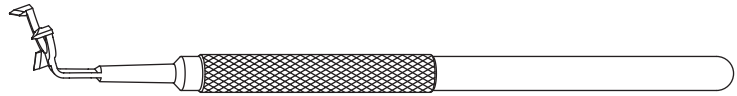
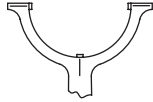
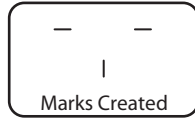
# Toric Markers, for smaller eyes

The original Toric Markers placed axis marks on the eye from the 10.0mm to the 15.0mm diameter. With patients that have deep set orbits or prominent brows, commonly found in Asians and similar ethnic origins, it can be difficult to place markers of this size comfortably on the eye. The following Toric Markers have been designed specifically for the smaller eyes to overcome this problem.

## Creating reference marks

**9-840-1**

### *Cionni Toric Reference Marker for small eyes*



- 3 blades, radial marks
- 8.5mm inside diameter, 12.75mm outside diameter
- 70° angled shaft
- Short round handle, length 97.5mm

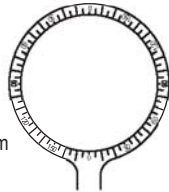
The Cionni Toric Reference Marker for small eyes marks from the **8.5mm diameter** going out to **12.75mm diameter**. The marker is used to mark the horizontal and vertical reference meridians pre-opp with the patient in an upright position as the eye typically rotates when the patient is supine. These meridians will be used to identify the desired meridians for the incision and IOL alignment.

## Creating marks for the desired axis of IOL alignment

**9-705R-1**

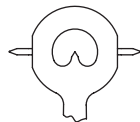
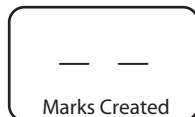
### *Mendez Degree Gauge*

- Measures 0° - 180°
- 5° increments marks
- 12.0mm internal diameter
- 14.0mm external diameter
- 60° angled handle
- Round handle, length 103mm



**9-729-1**

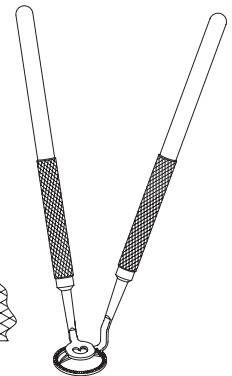
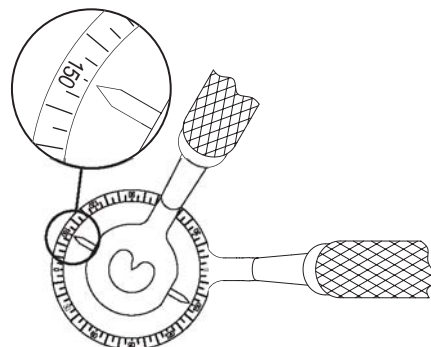
### *Axis Marker*



- Two blades with centre pointer
- 4.0mm inside diameter, 11.6mm outside diameter
- Round handle, length 95mm

The two blades on the Axis Marker are coated with a marking pen. The Mendez Degree Gauge is aligned with the patient's meridians at 0°, 90° and 180° and placed on the eye. The Axis Marker is then lined up using the Mendez Degree Gauge with the desired meridian for the incision or IOL axis. The Axis Marker is then lowered to touch the eye so that the blades make the desired marks.

The ends of the blades come to a point at the tip allowing accurate alignment with Mendez Degree Gauge. See circled enlarge view.



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