



Use and Care Instructions

Davis Plumb-Bob Pre-Markers

Solomon
3 Ray



Davis
4 Ray

About:

Davis Plumb Bob Pre-markers simplify pre-marking by using gravity to level fins and create precise cardinal reference point marks on the cornea.

Product Application:

Pre-marking cardinal reference points for:

- Premium multi-focal lens implantation
- Toric Lens Implantation
- LRIs, AKs

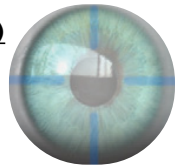


Two Models:

Basic operation and function of the following models are the same.



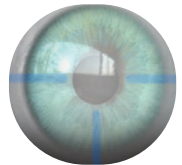
Davis Plumb Bob (4 Ray)
- marks 4 cardinal references (3,6,9,12).



or the



Davis Solomon Plumb Bob (3 Ray)
- marks 3 cardinal references (3,6,9).



Horizontal references extend to 12 mm (diameter) while vertical references extend to 9.5 mm (diameter).

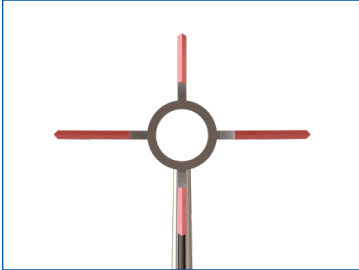
Marking fins are highly tuned to facilitate inkless pre-marking.

Pre-Operative Use:



Davis Plumb-Bob markers may be used either inside the operating room or in the pre-operative area.

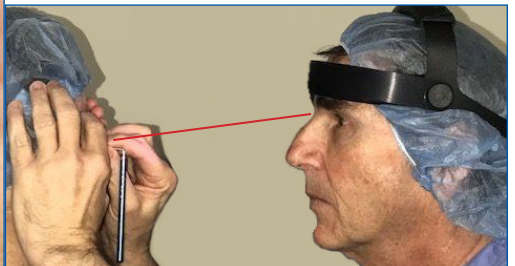
1. Remove sterile marker from its dedicated case.
2. Hold the marker stem securely but lightly enough to allow the handle to hang vertically 'plumbing' the instrument.
3. Seat the patient upright, facing you squarely.
4. Have the patient fixate on your eye to align with the visual axis.



Ink fin surfaces if desired.
Fin surfaces in red.



Note: Try to bring the marker in from the side or below.



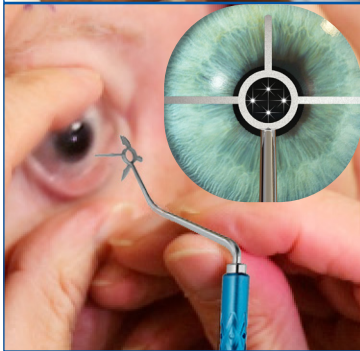
Pre-Operative Use Continued:



A



B



- Inkless corneal marks are still visible up to an hour later. Drying the eye can improve mark visualization.

5. Common hand positions:
Hold Plumb-Bob in your dominant hand.
A. Use your free hand to spread the patient's eyelids. It may help to have an assistant cover the patient's fellow eye. Stabilize marking hand by placing outside fingers on patient's nose or cheek.
B. Use your free hand to cover the patient's fellow eye and retract the upper lid using the thumb. Use fourth finger and pinky of marking hand to stabilize and retract the patient's lower lid.
6. Align the marker with the patient's visual axis.
7. Press and hold the Plumb-Bob firmly against the cornea for a five second count (one-one thousand...) with slight manipulation.
8. Remove & return to case.

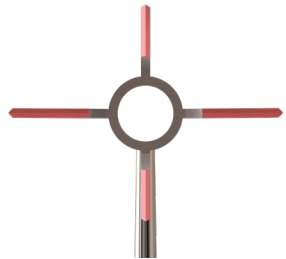
With or Without Ink:

- Designed for use without ink.
- Ink can be used for enhanced visibility if desired.

Use And Care:

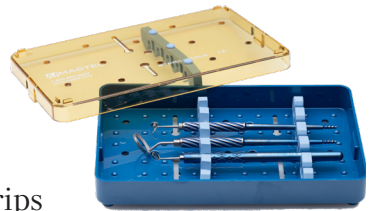
After use, cleaning and disinfection are required to maintain the marker's continued proper function. Wiping the patient contact areas of the marker with an alcohol swab for 5-10 seconds is recommended prior to sterilization.

Plumb-Bob markers should be sterilized before each use. Mastel recommends sterilizing and storing the marker in a dedicated tray apart from other instruments.



Additional Care and Sterilization Notes:

- Optimally, Mastel markers are sterilized in their designated tray. They may be run along with other surgical instruments in the autoclave. Standard facility cleaning procedures apply.
- Sterilized products should be stored in a dry environment.
- When cleaning and disinfecting manually, avoid use of metal brushes, scouring agents or other aggressive methods. Ultrasonic cleaning may also be used if desired.
- Products must be stored appropriately during sterilization, i.e. not on top of one another, and fixed in place with sterilization strips or plates.
- The use of distilled or deionized water for all reprocessing cycles (including pre-cleaning) is recommended.



Sterilization:

The times and temperatures specified are minimum requirements. If, for procedural reasons, the values have to be lowered, the user must validate these. It is possible to exceed the time and temperature specifications. However, longer sterilization times and higher temperatures stress the materials, causing them to age prematurely.

Only products that have been cleaned and disinfected can be sterilized.

General sterilization criteria are listed below. Download complete *“Packaging and Sterilizing Instructions”* from the link on the following page.

Prevacuum high temperature steam sterilizer

- Four minutes at 132°C/134°C (270°F/273°F), or
- Twenty minutes at 121°C (250°F) wrapped





Gravity displacement autoclave

- Five minutes at 132°C / 134°C (270°F / 273°F), or
- Twenty minutes at 121°C (250°F) unwrapped
- Thirty minutes at 121°C (250°F) wrapped

Statim® steam sterilizer with radiant heat drying

- Three and one half minutes at 135°C (275°F) for unwrapped, or
- Ten minutes at 135°C (275°F) wrapped

Sterilization Continued:

-  The use of gravity displacement process must be approved by means of additional validation (longer sterilization times may be necessary).
-  A steam sterilizer in accordance with DIN EN 13060 and DIN EN 285 and validated in accordance with ISO 17665 (valid selection and product-specific performance qualification)
-  Maximum sterilization temperature 137°C (279°F) (plus tolerance range in accordance with ISO 17665)
-  Drying times as recommended by the sterilizer manufacturer

The manufacturer will accept no liability for other sterilization processes (e.g., hot-air, ethylene oxide, formaldehyde, radiation or low temperature plasma sterilization).

Should these be selected, validate them in accordance with the applicable standards DIN EN ISO 14937/ANSI AAMI ISO 14937 and/or process-specific standards, taking into account the specific geometry of the product, and be able to provide proof of the suitability and effectiveness of the process (including analysis of the sterilizing agent residue if applicable).

Please Visit: www.mastel.com/faq/uci/

To download relevant PDF's including
Validation Documents!

These files contain complete information on **packaging**,
sterilizing, and **preserving** the life of your instrument.

Product Numbers:

21.113.3002

Davis Solomom 3 Ray

21.113.4002

Davis 4 Ray



and its team of craftsmen, engineers and service representatives strive to provide you with the very best in ophthalmic surgical instruments. Our products are delivered to you with pride.

If, for any reason, you need further assistance, please call one of our service representatives. They will provide the help you seek.

Thank You!

Certifications & Licenses:

Mastel is FDA registered.

Certifications:

- ISO 13485:2016 (MDSAP)

Licenses:

- Health Canada

Product numbers were updated
3/1/2022. For more information:
please visit mastel.com/sku-update/



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