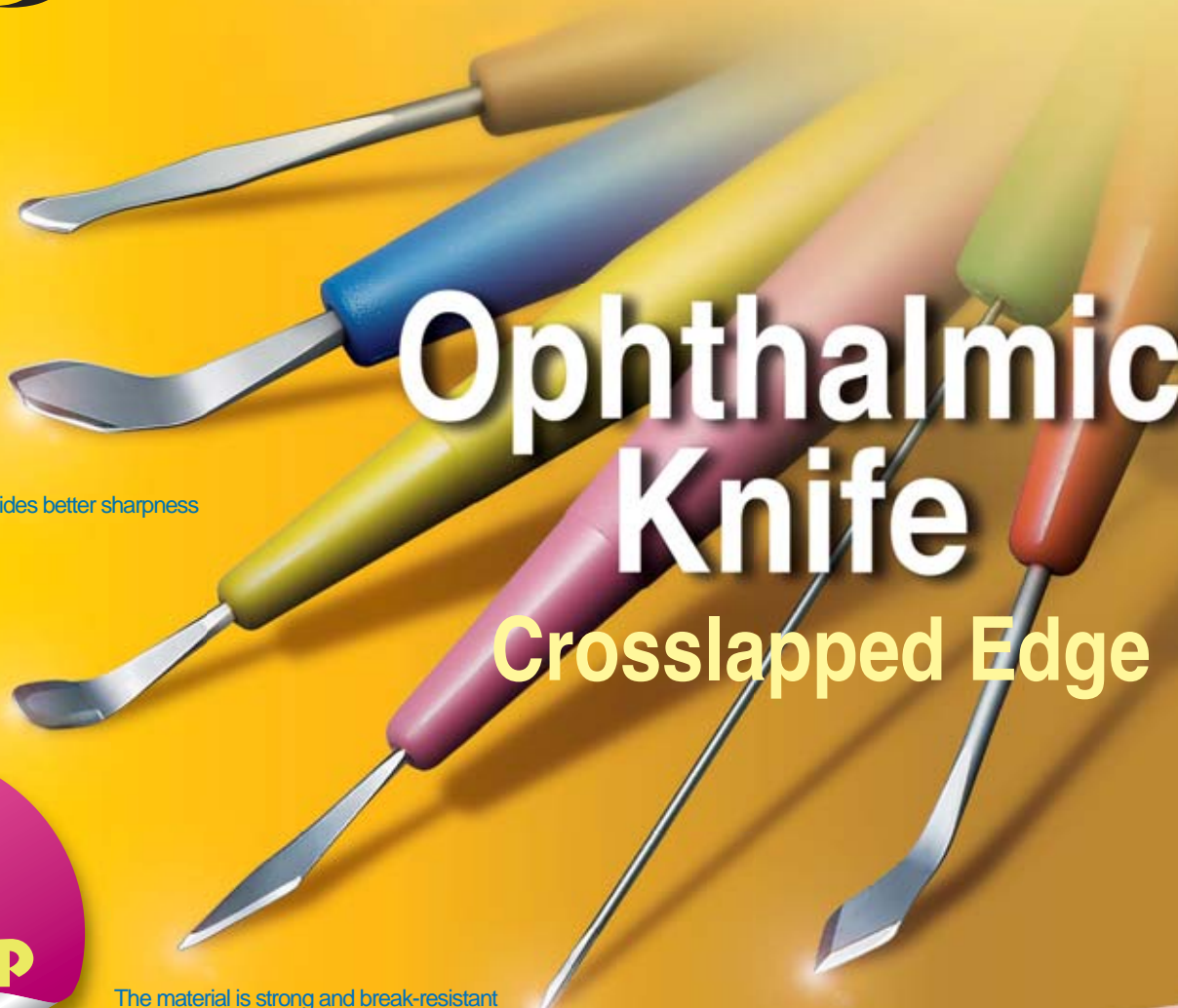


MANI®



Ophthalmic Knife

Crosslapped Edge

Crosslapped edge provides better sharpness

**New
Line Up**

The material is strong and break-resistant
MANI's original hard fiber stainless steel

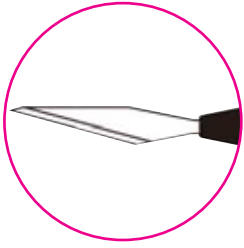


MANI® Ophthalmic Knife

■ Straight Knife

6pcs/box

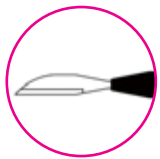
○Main Application: Scleral groove incision, Side port



MST



Actual size



Straight 0°

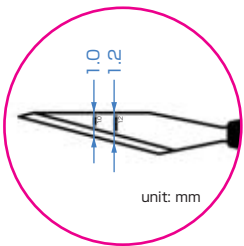
| Product Name | ORDER# |
|----------------|--------|
| Straight 0° | MST00 |
| Straight 15° | MST15 |
| Straight 22.5° | MST22 |
| Straight 30° | MST30 |
| Straight 45° | MST45 |

■ Marking Straight Knife

6pcs/box

○Main Application: Scleral groove incision, Side port

NEW



MST-MK

Marking lines at 1.0mm and 1.2 mm from the blade tip assist to make an accurate width of side port.



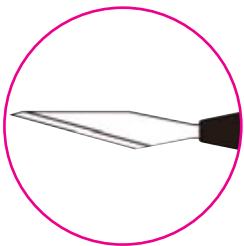
Actual size

| Product Name | ORDER# |
|--------------------------|---------|
| Straight 15° (Marking) | MST15MK |
| Straight 22.5° (Marking) | MST22MK |

■ Safety Straight Knife

6pcs/box

○Main Application: Scleral groove incision, Side port



MST-SK



Actual size

| Product Name | ORDER# |
|-------------------------|---------|
| Straight 15° (Safety) | MST15SK |
| Straight 22.5° (Safety) | MST22SK |
| Straight 30° (Safety) | MST30SK |

※For handling of MANI® Safety Knife, please refer to the back cover.

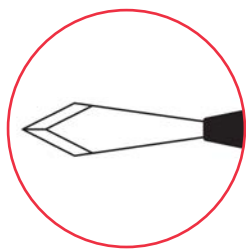
The crosslapped edge made of MANI®'s original hard fiber stainless steel produces the ultimate sharpness.

Slit Knife

Angle = 45°

6pcs/box

○Main Application: Corneal Incision, Scleral Incision



MSL·MSS



Actual size

| Product Name | ORDER# |
|---------------------|--------|
| Slit Angled 1.0mm | MSL10 |
| Slit Angled 1.1mm | MSL11 |
| Slit Angled 1.2mm | MSL12 |
| Slit Angled 1.3mm | MSL13 |
| Slit Angled 1.4mm | MSL14 |
| Slit Angled 1.6mm | MSL16 |
| Slit Angled 1.8mm | MSL18 |
| Slit Angled 1.9mm | MSL19 |
| Slit Angled 2.0mm | MSL20 |
| Slit Angled 2.1mm | MSL21 |
| Slit Angled 2.2mm | MSL22 |
| Slit Angled 2.3mm | MSL23 |
| Slit Angled 2.4mm | MSL24 |
| Slit Angled 2.5mm | MSL25 |
| Slit Angled 2.65mm | MSL26 |
| Slit Angled 2.75mm | MSL27 |
| Slit Angled 2.8mm | MSL28 |
| Slit Angled 2.9mm | MSL29 |
| Slit Angled 3.0mm | MSL30 |
| Slit Angled 3.2mm | MSL32 |
| Slit Angled 3.5mm | MSL35 |
| Slit Straight 1.0mm | MSS10 |
| Slit Straight 2.8mm | MSS28 |
| Slit Straight 3.0mm | MSS30 |

MANI[®] Ophthalmic Knife

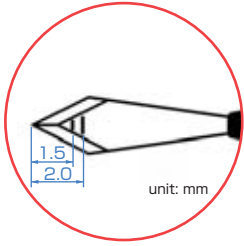
Short-Head Slit Knife

Angle = 45°

6pcs/box

NEW

○Main Application: Corneal Incision, Scleral Incision



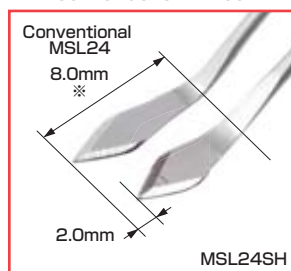
MSL-SH
(with Marking)



Actual size

| Product Name | ORDER# |
|---------------------------------|---------|
| Slit Angled 2.0mm (Short-Head) | MSL20SH |
| Slit Angled 2.1mm (Short-Head) | MSL21SH |
| Slit Angled 2.2mm (Short-Head) | MSL22SH |
| Slit Angled 2.3mm (Short-Head) | MSL23SH |
| Slit Angled 2.4mm (Short-Head) | MSL24SH |
| Slit Angled 2.5mm (Short-Head) | MSL25SH |
| Slit Angled 2.65mm (Short-Head) | MSL26SH |
| Slit Angled 2.75mm (Short-Head) | MSL27SH |
| Slit Angled 2.8mm (Short-Head) | MSL28SH |
| Slit Angled 2.9mm (Short-Head) | MSL29SH |
| Slit Angled 3.0mm (Short-Head) | MSL30SH |

Comparison with conventional knives



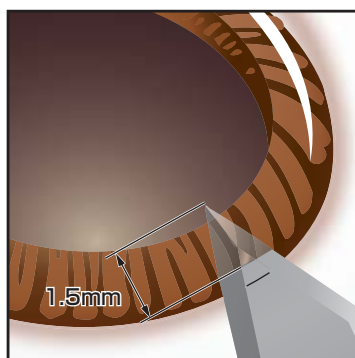
★Extreme Sharpness, Simple Operation, High Visibility

Position of Knife Angle moved 2mm towards the tip and the blade became smaller with extreme sharpness as our conventional models. Effective for a patient who has sunken/deep-set eye (enophthalmos) or narrow lid fissure.

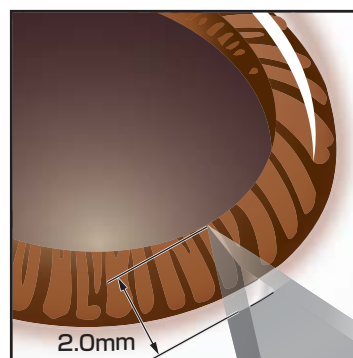
Less possibility of contacting with eye speculum and drapes. In addition, marking lines at 1.5mm and 2.0mm from the blade tip enable simple operation for creating tunnel.

※MSL20~24SH= (8mm→6mm) MSL25~30SH= (9mm→7mm)

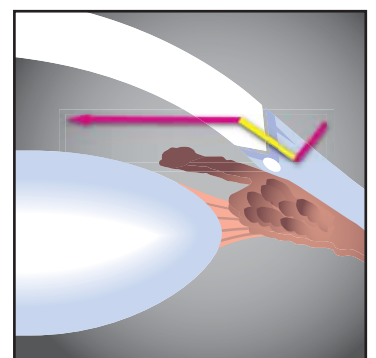
★Example of use of the marking lines



Corneal Incision



Scleral Incision



Perforation towards anterior chamber using the marking lines as an indicator.

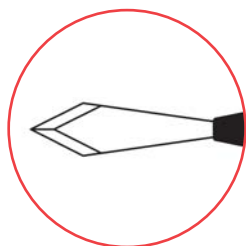
The crosslapped edge made of MANI®'s original hard fiber stainless steel produces the ultimate sharpness.

■ Safety Slit Knife

Angle = 45°

6pcs/box

○Main Application: Corneal Incision, Scleral Incision



MSL-SK



Actual size

| Product Name | ORDER# |
|-----------------------------|---------|
| Slit Angled 1.0mm (Safety) | MSL10SK |
| Slit Angled 1.2mm (Safety) | MSL12SK |
| Slit Angled 1.4mm (Safety) | MSL14SK |
| Slit Angled 1.8mm (Safety) | MSL18SK |
| Slit Angled 2.0mm (Safety) | MSL20SK |
| Slit Angled 2.2mm (Safety) | MSL22SK |
| Slit Angled 2.3mm (Safety) | MSL23SK |
| Slit Angled 2.4mm (Safety) | MSL24SK |
| Slit Angled 2.5mm (Safety) | MSL25SK |
| Slit Angled 2.65mm (Safety) | MSL26SK |
| Slit Angled 2.75mm (Safety) | MSL27SK |
| Slit Angled 2.8mm (Safety) | MSL28SK |
| Slit Angled 3.0mm (Safety) | MSL30SK |
| Slit Angled 3.2mm (Safety) | MSL32SK |

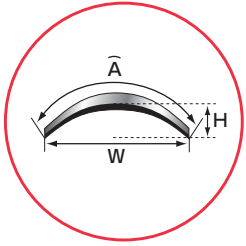
*For handling of MANI® Safety Knife, please refer to the back cover.

MANI® Ophthalmic Knife

Arched Knife Angle = 45°

6pcs/box

○Main Application: Corneal Incision



MSL-AB



Actual size

| Product Name (Blade Width) | ORDER# |
|--|---------|
| Slit Angled 1.8mm Arched (Ā 1.8mm W 1.7mm H 0.3mm) | MSL18AB |
| Slit Angled 2.0mm Arched (Ā 2.0mm W 1.85mm H 0.35mm) | MSL20AB |
| Slit Angled 2.2mm Arched (Ā 2.2mm W 2.05mm H 0.35mm) | MSL22AB |
| Slit Angled 2.5mm Arched (Ā 2.5mm W 2.4mm H 0.35mm) | MSL25AB |
| Slit Angled 2.65mm Arched (Ā 2.65mm W 2.5mm H 0.35mm) | MSL26AB |
| Slit Angled 2.8mm Arched (Ā 2.8mm W 2.6mm H 0.4mm) | MSL28AB |
| Slit Angled 3.0mm Arched (Ā 3.0mm W 2.8mm H 0.45mm) | MSL30AB |
| Slit Angled 3.2mm Arched (Ā 3.2mm W 3.0mm H 0.55mm) | MSL32AB |
| Slit Angled 3.4mm Arched (Ā 3.4mm W 3.2mm H 0.55mm) | MSL34AB |

※Better self-closing incision. Low risk of infection.

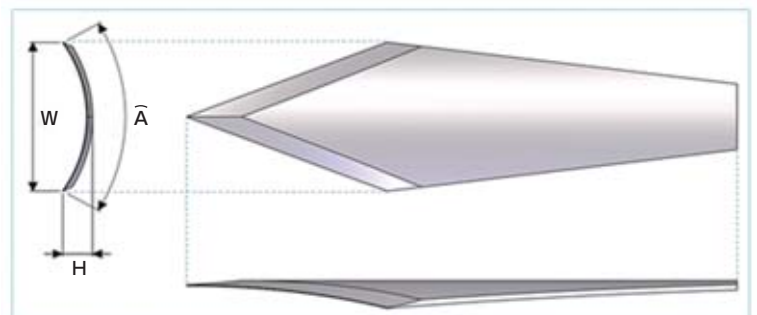
★Arched Knife is a slit knife designed for clear corneal incision with IOL injector system.

Please refer to the width in order to find your best size.

If you are using MSL24 (2.4mm) now, MSL25AB should be the correct choice as its width (W) is 2.4mm.

The incision location is different from that of normal "flat" knife because the arched knife has a three-dimensional blade.

Please make sure that your Phaco tip and Injector fit properly with the arched knife you chose. We recommend to try the compatibility between the arched knife & your Injector at a wet lab in order to find the right size from our line-up.



**IT IS UNABLE TO MAKE THE WOUND WIDER AFTER THE INCISION
BECAUSE OF INCISION SHAPE.**

Please read Instruction for Use carefully before use.

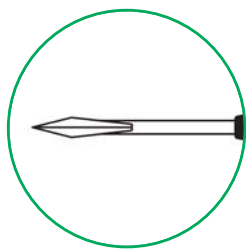
The crosslapped edge made of MANI®'s original hard fiber stainless steel produces the ultimate sharpness.

MVR Knife

Angle = 45°

6pcs/box

○Main Application: Side port, Scleral port



MVR•MPK



Actual size

| Product Name (Blade Width) | ORDER# |
|---|---------|
| MVR-Lance 19G (1.5mm) | MVR19 |
| MVR-Lance 20G (1.2mm) | MVR20 |
| MVR-Lance 23G (0.9mm) | MVR23 |
| MVR-Lance 24G (0.8mm) | MVR24 |
| MVR-Lance 25G (0.55mm) Insertable into 23G infusion cannula and be used for membrane peeling. | MVR25 |
| MVR-Angled 19G (1.5mm) | MVR19A |
| MVR-Angled 20G (1.2mm) | MVR20A |
| MVR-Angled 21G (1.1mm) | MVR21A |
| MVR-Angled 23G (0.9mm) ★ | MVR23A |
| MVR-Angled 24G (0.8mm) | MVR24A |
| MVR-Angled 23G (0.7mm) ★ | MVR23AD |
| Port Knife 25G (0.45mm) Insertable into 25G infusion cannula and be used for membrane peeling. | MPK25 |
| Port Knife 27G (0.40mm) Insertable into 27G infusion cannula and be used for membrane peeling. | MPK27 |

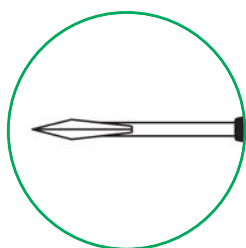
★ Similar ORDER#. The difference is blade width.

Safety MVR Knife

Angle = 45°

6pcs/box

○Main Application: Side port, Scleral port



MVR-SK



Actual size

| Product Name (Blade Width) | ORDER# |
|---------------------------------|----------|
| MVR-Angled 20G (1.2mm) (Safety) | MVR20ASK |
| MVR-Angled 21G (1.1mm) (Safety) | MVR21ASK |
| MVR-Angled 23G (0.9mm) (Safety) | MVR23ASK |
| MVR-Angled 24G (0.8mm) (Safety) | MVR24ASK |

※For handling of MANI® Safety Knife, please refer to the back cover.

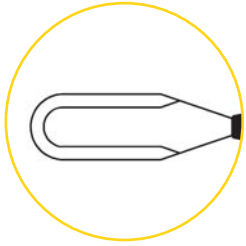
MANI® Ophthalmic Knife

Crescent Knife

Angle = 60°

6pcs/box

○Main Application: Scleral tunnel, Scleral flap



MCU·MCD
MCS



Actual size

| Product Name (Blade Width) | ORDER# |
|-----------------------------|--------|
| Crescent Bevel Up (2.3mm) | MCU26 |
| Crescent Bevel Up (2.0mm) | MCU20 |
| Crescent Bevel Down (2.3mm) | MCD26 |
| Crescent Straight (2.3mm) | MCS26 |

Short-Head Crescent Knife

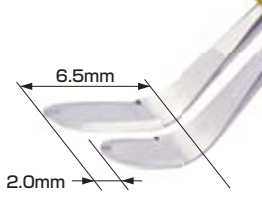
Angle = 60°

6pcs/box

○Main Application: Scleral tunnel, Scleral flap

NEW

Conventional MCU26



MCU26SH

Comparison with
conventional products



Actual size

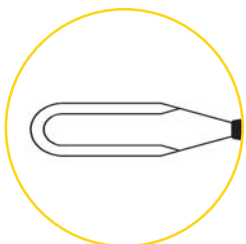
| Product Name (Blade Width) | ORDER# |
|--|---------|
| Crescent Bevel Up (2.3mm) (Short-Head) | MCU26SH |
| Crescent Bevel Up (2.0mm) (Short-Head) | MCU20SH |

Mini Crescent Knife

Angle = 25°

6pcs/box

○Main Application: Scleral flap



MCB



Actual size

| Product Name (Blade Width) | ORDER# |
|--------------------------------|--------|
| Crescent Double Bevel (1.0mm) | MCB10 |
| Crescent Double Bevel (1.25mm) | MCB12 |

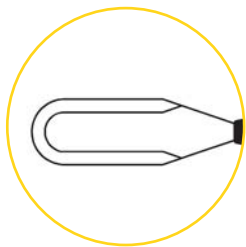
The crosslapped edge made of MANI®'s original hard fiber stainless steel produces the ultimate sharpness.

Safety Crescent Knife

Angle = 60°

6pcs/box

○Main Application: Scleral tunnel, Scleral flap



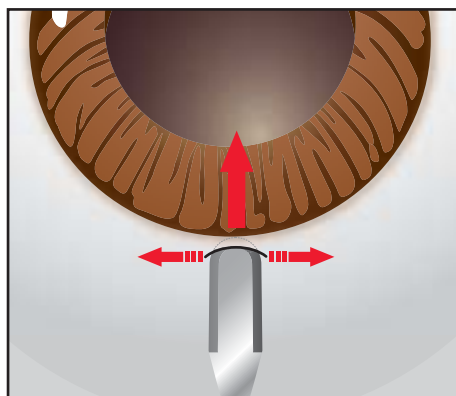
MCU-SK



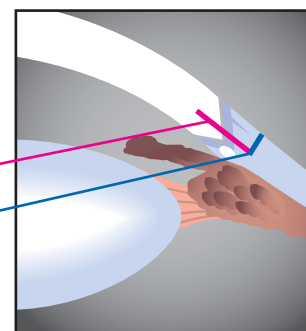
Actual size

| Product Name (Blade Width) | ORDER# |
|------------------------------------|---------|
| Crescent Bevel Up (2.3mm) (Safety) | MCU26SK |
| Crescent Bevel Up (2.0mm) (Safety) | MCU20SK |

※For handling of MANI® Safety Knife, please refer to the back cover.



Insert the Knife into the 1st scleral incision and forward the blade into clear cornea with shifting blade from side to side.



2nd Scleral pocket

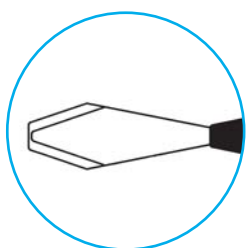
1st Scleral Incision

R Slit Knife (Implant)

Angle = 45°

6pcs/box

○Main Application: IOL enlargement



MRS



Actual size

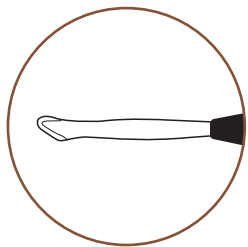
| Product Name | ORDER# |
|----------------------|--------|
| R Slit Angled 2.6mm | MRS26 |
| R Slit Angled 3.2mm | MRS32 |
| R Slit Angled 3.5mm | MRS35 |
| R Slit Angled 3.75mm | MRS37 |
| R Slit Angled 4.1mm | MRS41 |
| R Slit Angled 5.2mm | MRS52 |
| R Slit Angled 5.5mm | MRS55 |

MANI® Ophthalmic Knife

Golf/Scleral Knife

6pcs/box

○Main Application: Scleral flap, Pterygium



MGL



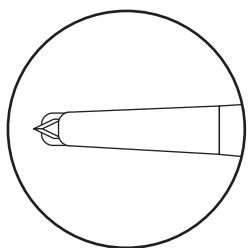
Actual size

| Product Name | ORDER# |
|--------------------|--------|
| Golf/Scleral 2.4mm | MGL24 |

LRI Knife

6pcs/box

○Main Application: Limbal relaxing incision (LRI)



MLR



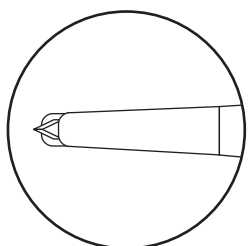
Actual size

| Product Name (Blade Width) | ORDER# |
|----------------------------|--------|
| LRI 500µm (0.50mm) | MLR50 |
| LRI 550µm (0.55mm) | MLR55 |
| LRI 600µm (0.60mm) | MLR60 |
| LRI 650µm (0.65mm) | MLR65 |

Depth Knife

6pcs/box

○Main Application: Scleral groove incision



MDP



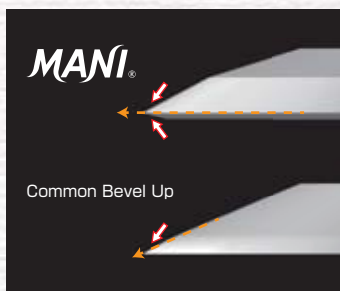
Actual size

| Product Name (Blade Width) | ORDER# |
|----------------------------|--------|
| Depth 300µm (0.30mm) | MDP30 |
| Depth 350µm (0.35mm) | MDP35 |

The crosslapped edge made of MANI®'s original hard fiber stainless steel produces the ultimate sharpness.

Ultimate Sharpness

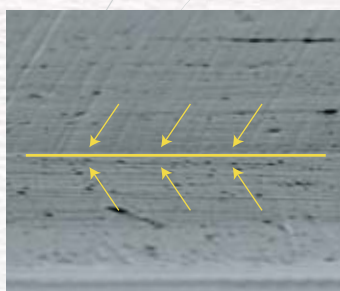
MANI® Ophthalmic Knife



General image of Bevel

Bevel Shape (patented)

MANI® original bevel shape is applied for the knives. By polishing the blade slightly from the back side, the shape provides excellent sharpness, better usability and better stability on trajectory.



MANI® crosslapped edge

The edge and Bevel generate "Ultimate Sharpness"

Crosslapped Edge

MANI®'s fine-processing technique has created the crosslapped edge, which provides excellent sharpness and consistent quality. (Crosslapped edge: polishing direction is vertical of the edge)

Stainless Steel Superior In Safety



Structure of MANI® hard fiber stainless steel



Structure of common stainless steel

MANI®'s original hard fiber stainless steel (austenite stainless steel) provides reliable strength on the tip and ensure thin but solid edge. (Edge thickness of MANI® slit and crescent knife: 0.14mm)

Color-Coded Handles Allow Easy Identification

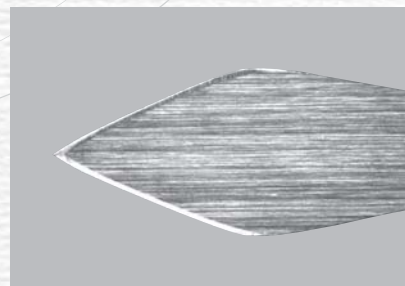
The color is different depending on the tip shape.

Non-Glare Treatment (patented)

To maintain the sharpness, Non-Glare treatment was processed on knives except its edge and back side.

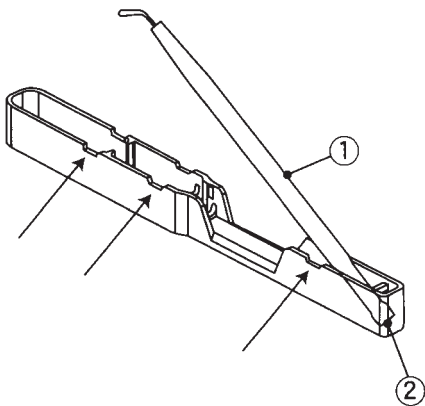


MANI® slit knife - front side (Non-Glare)



MANI® slit knife - back side (without Non-Glare)

Handling of the case



[Taking out the knife]

Pick up point ① to pull out knife from the case.

[CAUTION]

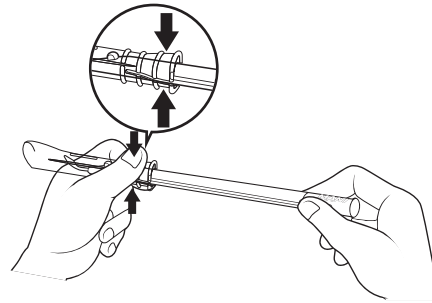
Be careful about unexpected tip collision between the case. Sharpness will be lost.

[Replacing the knife]

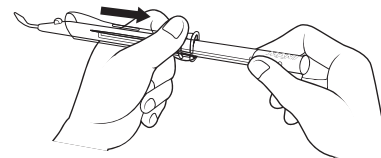
Set back point ② to the bottom of the case.
Then place knife down until it clicks.

Handling of the safety knife

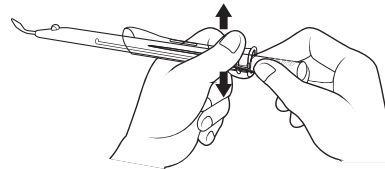
[Exposing the blade]



a. Hold the rear end of the cover to unlock.



b. Keep holding and slide it towards the rear.



c. Slide the cover until it stops and release hold to lock.

[Stowing the blade]

- Hold the rear end of the cover to release the lock.
- Slide the cover forward till the end.
- Release hold to lock.
(Reverse steps of Exposing to stow the blade)



Distributed by

STERILE **EO** ② Do not reuse
⚠ Read instructions before use.

CE 0197