



Incision knife

Groove knife

# Ophthalmology

Round tunnel knife

Crescent knife

Slit knife

Implant knife

Implant knife with guide

MVR knife

Scleral knife

Groove knife for glaucoma surgery

MADE IN JAPAN

"MICRO FEATHER" ophthalmic scalpel is manufactured from the highest quality stainless steel using Feather's original ultra-high-precision honing technology. The ultra-sharp blade edges produced from carefully selected materials using a double honing process result in a sharp cutting edge and outstanding durability. In addition to minimizing tissue damage during incisions, the consistent cutting quality makes it possible to produce an accurate incision size at all times, making this knife the ideal ophthalmic scalpel produced by Feather, the most respected blade manufacturer in Japan.



"MICRO FEATHER" ophthalmic scalpel offers a selection of three types of handles, aluminum handle, plastic handle and plastic handle with safety function to more effectively respond to the needs of as many surgeons as possible. These handle types are sterilized by gamma radiation and can be used immediately after opening. (The same quality of blade is used in these handle types to eliminate differences in cutting performance.)

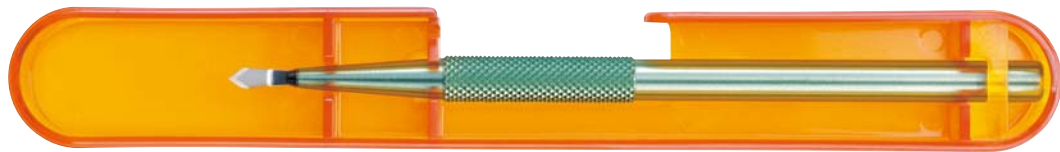
#### Aluminum handle



Actual size

Aluminum handle is color coded for easy identification of blade shape and angle. The handle design features optimum weight and a shape that fits easily in the hand. The knife is housed in a heat-resistant plastic case. The knife can be reused after being washed and sterilized by means of an autoclave while still in the case.

#### Case



Actual size

This knife can be autoclaved while still in the case for reuse.

#### Plastic handle



Actual size

The plastic handle type features an economical price in response to requests for single use.

#### Plastic handle with Safety function

**MICRO FEATHER**  
**SAFESHIELD** DISPOSABLE  
OPHTHALMIC SCALPEL

Feather Safeshield ophthalmic scalpel features wide range of blades with one-handed operation safety shield. The safety shield is designed to minimize the risk of injuries and protect the sharp edge.



Actual size

To use



#### Blade bevel

Side view of blade tip

Bi-bevel



Bevel-up



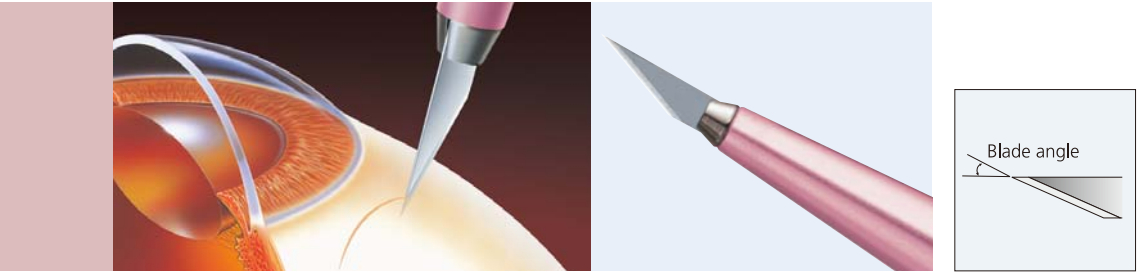
Bevel-down



Blades include those in which blade is formed on both sides and those in which the blade is formed only on one side. Blade that is honed on both sides is referred to as bi-bevel, while the blade is formed only on one side with the honed surface facing up is referred to as bevel-up, and those with the honed surface facing down is referred to as bevel-down.

Incision knife

The straight, ultra-sharp blade is precisely honed in micron units for optimum use in semilaminar incisions and centesis incisions of the sclera and cornea.

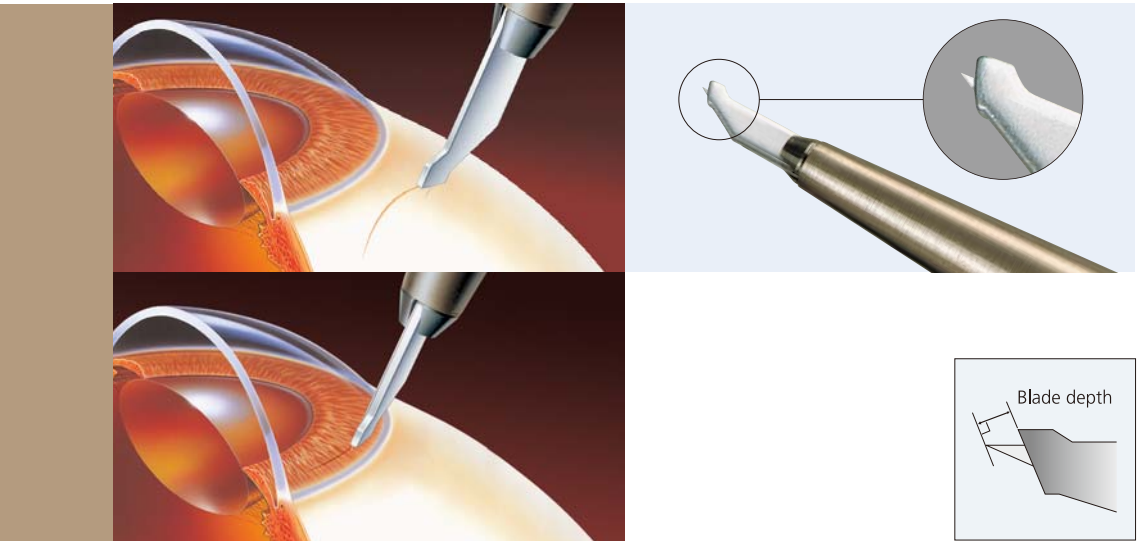


Specifications		Product No.		
Blade shape	Blade angle	Aluminum handle	Plastic handle	Safeshield handle
	0°	No.700	P-700	----
	15°	No.715	P-715	PSS-715
	22.5°	No.722	P-722	PSS-722
	30°	No.730	P-730	PSS-730
	45°	No.745	P-745	PSS-745



Groove knife

The stainless steel guard provided on one side of the 30° straight blade makes it possible to assure a consistent cutting depth for incisions in the sclera and cornea while also preventing obstruction of the viewing field during incision. Furthermore the guarded depth feature of the 'Groove Blade' makes it ideal for performing Limbal Relaxing Incisions.



Specifications		Product No.	
	Blade depth	Aluminum handle	
	0.30mm	No.7330G	
	0.35mm	No.7335G	
	0.40mm	No.7340G	
	0.55mm	No.7355G	
	0.60mm	No.7360G	

Available for left-handers



Aluminum handle

## Round tunnel knife

The sharp, round blade edge is beveled on both sides, gradually extending from the center of the circle, and perfect for creating scleral tunnel flaps.



Specifications				Product No.		
Blade width	Bending angle	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
2.2mm	45°	Bi-bevel	0.25mm	No.7722B	---	---
2.6mm	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7726B	P-7726B	PSS-7726B
3.0mm	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7730B	P-7730B	PSS-7730B



Aluminum handle



Plastic handle



Safeshield handle

## Crescent knife

The blade design features straight sides and a round tip and is optimum for creating scleral tunnel flaps. In addition, this knife is available in bi-bevel, bevel-up and bevel-down types to accommodate the needs of the surgeon.



Specifications				Product No.		
Blade width	Bending angle	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
2.2mm	45°	Bi-bevel	0.25mm	No.7922B	---	---
2.6mm	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7926B	P-7926B	PSS-7926B
2.6mm	45° (40° for Safeshield handle)	Bevel-up	0.25mm	No.7926BU	P-7926BU	PSS-7926BU
2.6mm	45°	Bevel-down	0.25mm	No.7926BD	---	---



Aluminum handle



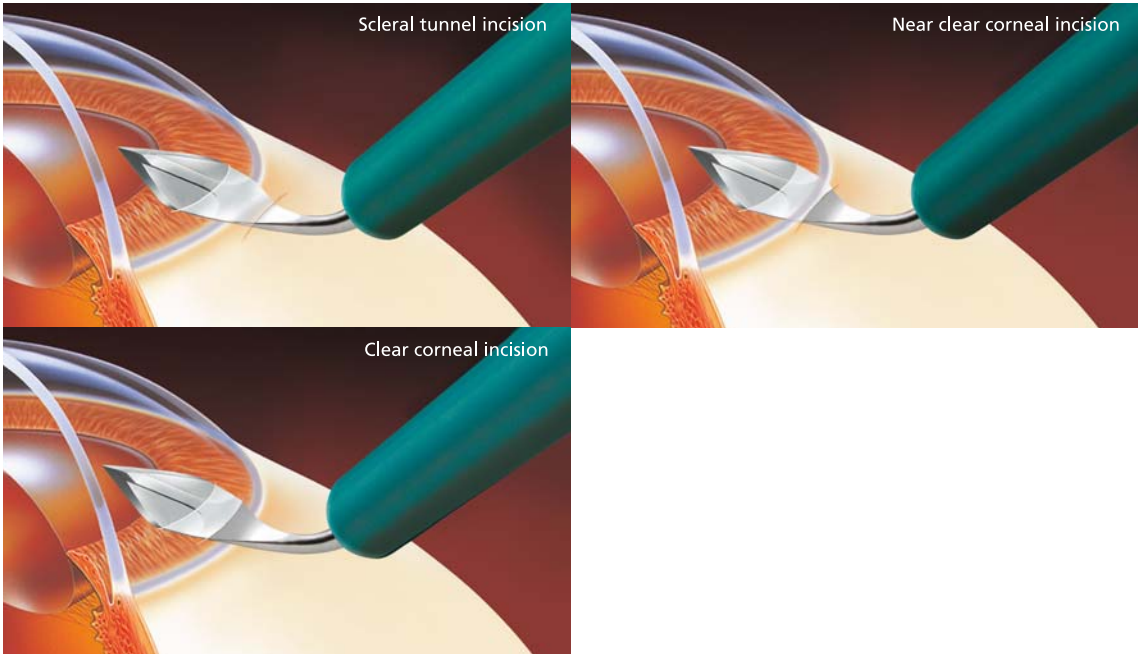
Plastic handle



Safeshield handle

Slit knife

This knife is used for sclerocornea centesis incisions during cataract surgery. A choice of knives with keratome angles (40°, 45°, 50° or 60°) and blade edge types (bevels) allows surgeons to make a wide range of incisions.



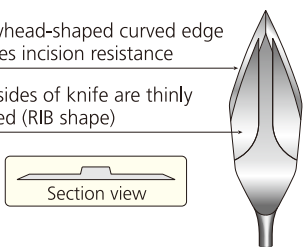
Round shaft type "RIB & R" **New**



Slit Knife <RIB & R> reduces incision resistance and allows smoother incision than ever before by its exclusively designed RIB-shaped knife and arrowhead-shaped curved edge.

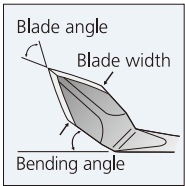
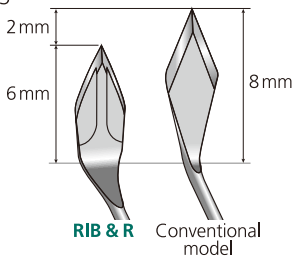
Arrowhead-shaped curved edge reduces incision resistance

Both sides of knife are thinly grinded (RIB shape)



**Improved Operability**

Length from blade tip to bent part is shortened from 8mm to 6mm.

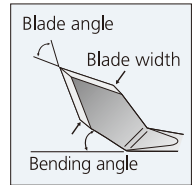


Specifications				Product No.	
Blade width	Blade angle	Bending angle	Bevel	Aluminum handle	Plastic handle
1.0mm	45°	45°	Bevel-up	No.0610RC	P-0610RC
1.4mm	45°	45°	Bevel-up	No.0614RC	P-0614RC
1.6mm	45°	45°	Bevel-up	No.0616RC	P-0616RC
1.8mm	45°	45°	Bevel-up	No.0618RC	P-0618RC
2.0mm	45°	45°	Bevel-up	No.0620RC	P-0620RC
2.2mm	45°	45°	Bevel-up	No.0622RC	P-0622RC
2.4mm	45°	45°	Bevel-up	No.0624RC	P-0624RC
2.75mm	45°	45°	Bevel-up	No.06275RC	P-06275RC
2.8mm	45°	45°	Bevel-up	No.0628RC	P-0628RC
3.0mm	45°	45°	Bevel-up	No.0630RC	P-0630RC





## Round shaft type



Specifications				Product No.		
Blade width	Blade angle	Bending angle	Bevel	Aluminum handle	Plastic handle	Safeshield handle
1.4mm	45°	45°	Bevel-up	No.0614BUC	P-0614BUC	PSS-0614BUC
1.6mm	45°	45°	Bevel-up	No.0616BUC	P-0616BUC	PSS-0616BUC
1.8mm	45°	45°	Bevel-up	No.0618BUC	P-0618BUC	PSS-0618BUC
2.0mm	45°	45°	Bevel-up	No.0620BUC	P-0620BUC	----
2.2mm	45°	45°	Bevel-up	No.0622BUC	P-0622BUC	PSS-0622BUC
2.4mm	45°	45°	Bevel-up	No.0624BUC	P-0624BUC	PSS-0624BUC
2.75mm	45°	45°	Bevel-up	No.06275BUC	P-06275BUC	PSS-06275BUC
2.8mm	45°	45°	Bevel-up	No.0628BUC	P-0628BUC	PSS-0628BUC
3.0mm	45°	45°	Bevel-up	No.0630BUC	P-0630BUC	PSS-0630BUC
3.2mm	45°	45°	Bevel-up	No.0632BUC	P-0632BUC	PSS-0632BUC



Aluminum handle

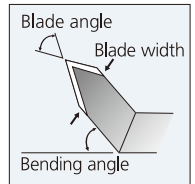
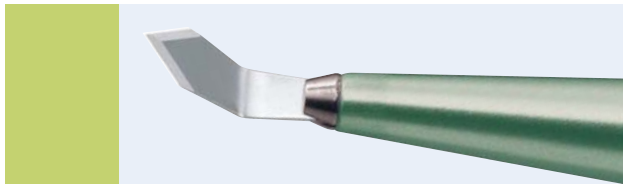


Plastic handle



Safeshield handle

## Flat shaft type



Specifications					Product No.		
Blade width	Blade angle	Bending angle	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
2.5mm	60°	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7625B	P-7625B	PSS-7625B
2.65mm	60°	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7627B	P-7627B	PSS-7627B
2.75mm	60°	45°	Bevel-up	0.25mm	No.76275BU	P-76275BU	----
2.8mm	60°	45°	Bevel-up	0.25mm	No.7628BU	P-7628BU	----
2.8mm	60°	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7628B	P-7628B	PSS-7628B
3.0mm	60°	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7630B	P-7630B	PSS-7630B
3.0mm	60°	45°	Bevel-up	0.25mm	No.7630BU	P-7630BU	----
3.2mm	60°	45° (40° for Safeshield handle)	Bi-bevel	0.25mm	No.7632B	P-7632B	PSS-7632B
3.2mm	60°	45°	Bevel-up	0.25mm	No.7632BU	P-7632BU	----
2.8mm	60°	45°	Bi-bevel	0.15mm	No.9628B	P-9628B	----
3.0mm	60°	45°	Bi-bevel	0.15mm	No.9630B	P-9630B	----
3.2mm	60°	45°	Bi-bevel	0.15mm	No.9632B	P-9632B	----
1.0mm	40°	45°	Bevel-up	0.25mm	No.7610BU	P-7610BU	----
1.0mm	40°	Straight	Single-bevel	0.25mm	No.7610	P-7610	PSS-7610
1.2mm	40°	45°	Bevel-up	0.25mm	No.7612BU	P-7612BU	----
1.2mm	40°	Straight	Single-bevel	0.25mm	No.7612	----	----
1.4mm	40°	45° (40° for Safeshield handle)	Bevel-up	0.25mm	----	P-7614BU	PSS-7614BU
1.5mm	40°	40°	Bevel-up	0.25mm	----	----	PSS-7615BU
1.8mm	40°	45°	Bevel-up	0.25mm	No.7618BU	P-7618BU	----
3.0mm	45°	45°	Bevel-up	0.15mm	No.8630BU	P-8630BU	----
3.2mm	45°	45°	Bevel-up	0.15mm	No.8632BU	P-8632BU	----



Aluminum handle



Plastic handle

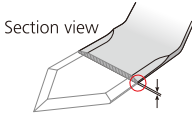


Safeshield handle

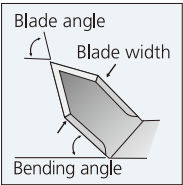
Flat shaft type “Side cut”



This knife has a blade with chamfered side edges to facilitate smoother puncture into the sclerocornea, giving less tissue invasion.



The side edges of the blade are not sharpened. This feature poses no risk of enlarging the wound accidentally.



Specifications					Product No.		
Blade width	Blade angle	Bending angle	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
2.2mm	50°	45° (40° for Safeshield handle)	Bevel-up	0.15mm	No.7622BUPS	P-7622BUPS	PSS-7622BUPS
2.3mm	50°	45°	Bevel-up	0.15mm	No.7623BUPS	P-7623BUPS	---
2.4mm	50°	45° (40° for Safeshield handle)	Bevel-up	0.15mm	No.7624BUPS	P-7624BUPS	PSS-7624BUPS
2.5mm	50°	45° (40° for Safeshield handle)	Bevel-up	0.15mm	No.7625BUPS	P-7625BUPS	PSS-7625BUPS
2.8mm	50°	45° (40° for Safeshield handle)	Bevel-up	0.15mm	No.7628BUPS	P-7628BUPS	PSS-7628BUPS
3.0mm	50°	45° (40° for Safeshield handle)	Bevel-up	0.15mm	No.7630BUPS	P-7630BUPS	PSS-7630BUPS
3.2mm	50°	45° (40° for Safeshield handle)	Bevel-up	0.15mm	No.7632BUPS	P-7632BUPS	PSS-7632BUPS



Aluminum handle



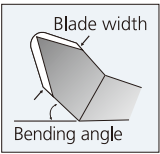
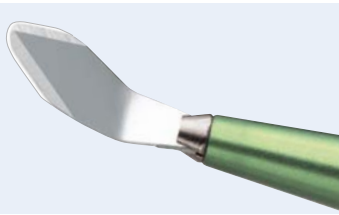
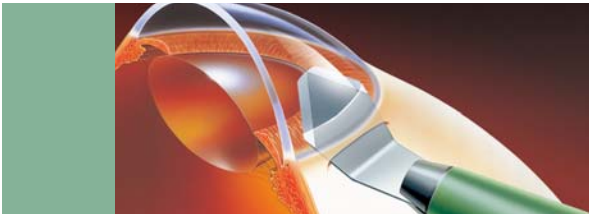
Plastic handle



Safeshield handle

Implant knife

This knife is used to widen the incision wound opening for implantation of an intraocular lens. The trapezoidal shape of the blade tip enables it to be used safely.



Specifications				Product No.		
Blade width	Bending angle	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
3.5mm	30°	Bevel-up	0.25mm	No.7635BR	P-7635BR	---
4.1mm	30°	Bevel-up	0.25mm	No.7641BR	P-7641BR	PSS-7641BR
5.1mm	30°	Bevel-up	0.25mm	No.7651BR	P-7651BR	PSS-7651BR
5.7mm	30°	Bevel-up	0.25mm	No.7657BR	P-7657BR	---



Aluminum handle



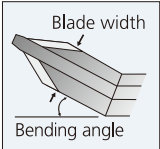
Plastic handle



Safeshield handle

Implant knife with guide

The stainless steel guide of 1.0mm width provided on the blade edge makes it possible to widen the incision maintaining the uniform depth without deviation.



Specifications				Product No.
Blade width	Bending angle	Bevel	Blade thickness	Aluminum handle
2.4mm	30°	Bevel-up	0.15mm	No.7624BG

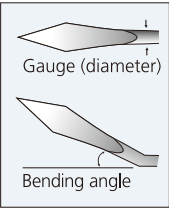


Aluminum handle



MVR knife

This knife is used for centesis incision into the sclera during vitreous body surgery. It is also used to create side ports during cataract surgery.

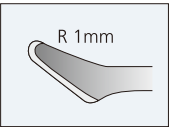


Specifications			Product No.	
Bending angle	Bevel	Gauge (diameter)	Aluminum handle	Plastic handle
Straight	Bi-bevel	19G (1.0mm)	No.7519	P-7519
Straight	Bi-bevel	20G (0.9mm)	No.7520	P-7520
Straight	Bi-bevel	23G (0.6mm)	No.7523	----
30°	Bi-bevel	20G (0.9mm)	No.7520B	P-7520B



Scleral knife

This knife is used for making incisions in the sclera. It is also used to create scleral flaps during glaucoma surgery.

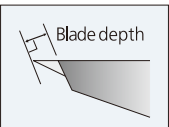
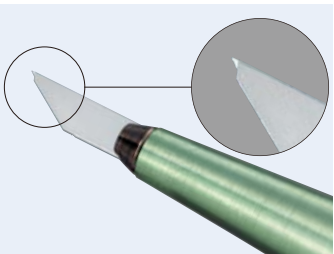
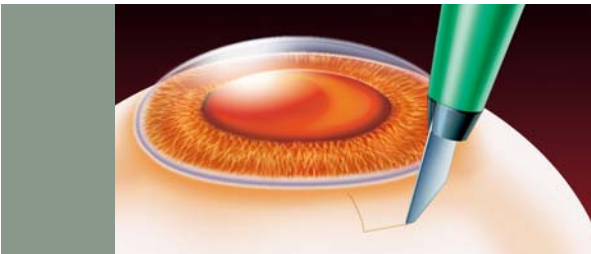


Specifications			Product No.
Blade width	Bevel	Blade thickness	Aluminum handle
Scleral knife, straight	Bi-bevel	0.38mm	No.780



Groove knife for glaucoma surgery

The stainless steel guard of 0.1mm thickness provided on one side of the 30° straight blade makes it possible to assure a consistent cutting depth for incision in the upper half of the sclera.



Specifications		Product No.
Blade depth	Blade thickness	Aluminum handle
0.2mm	0.1mm	No.6320G
0.3mm	0.1mm	No.6330G
0.4mm	0.1mm	No.6340G





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