



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



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MADE IN JAPAN

"MICRO FEATHER" ophthalmic micro knife 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 micro knife produced by Feather, the most respected blade manufacturer in Japan.



"MICRO FEATHER" micro knife 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



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



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

Plastic handle



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

Plastic handle with Safety function

MICRO FEATHER
SAFESHIELD DISPOSABLE OPTHALMIC 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.



To use



Blade bevel

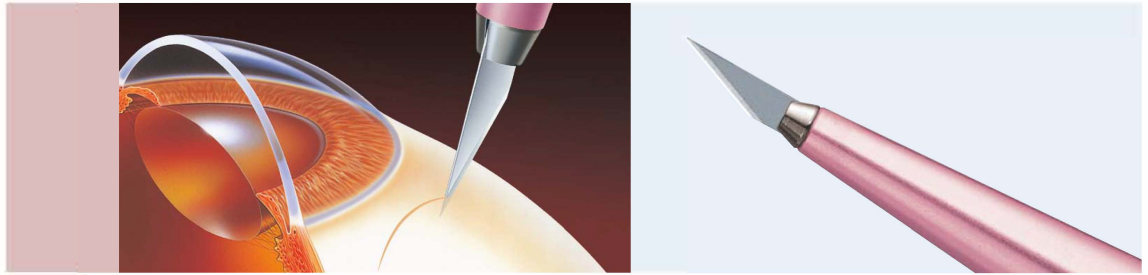
Side view of blade tip



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.



Items and product numbers

Blade angle	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



Aluminum handle



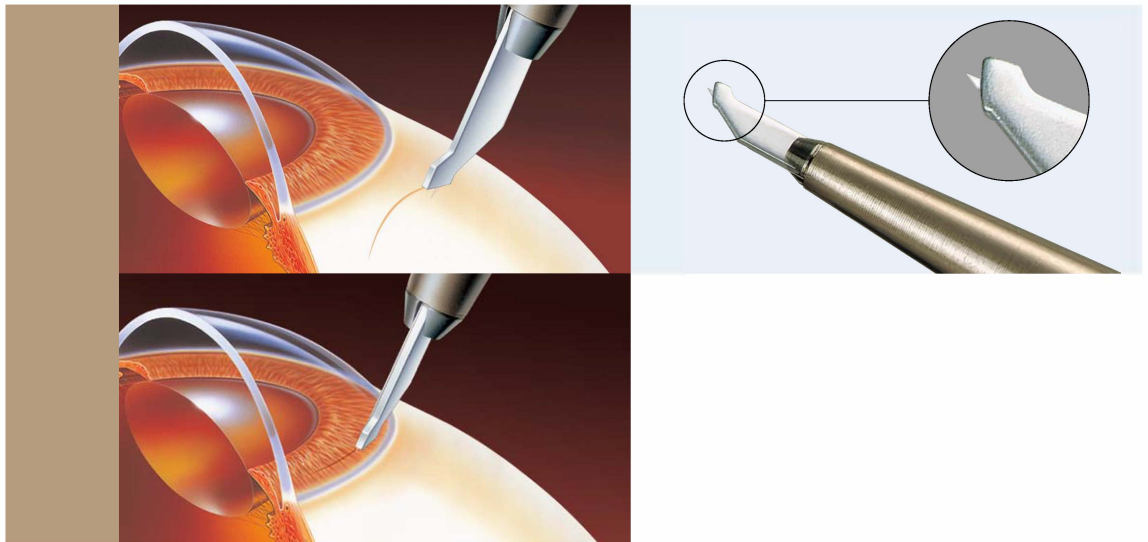
Plastic handle



Safeshield handle

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.



Items and product numbers

Blade depth	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

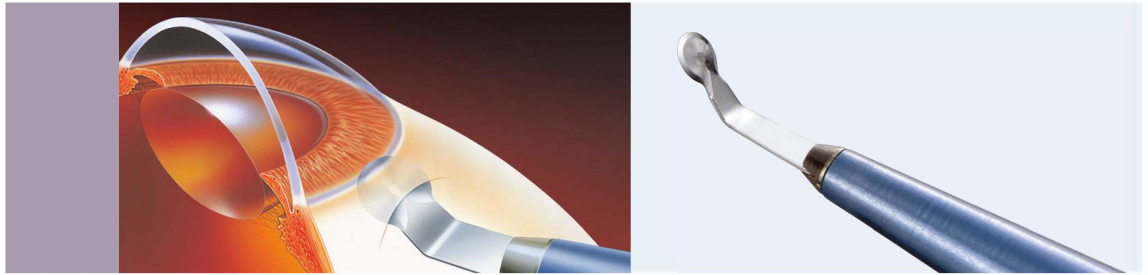
Available for left-handers



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.



Items and product numbers

Blade width	Specifications			Product No.		
	Blade width	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
	2.2mm, angled	Bi-bevel	0.25mm	No.7722B	---	---
	2.6mm, angled	Bi-bevel	0.25mm	No.7726B	P-7726B	PSS-7726B
	3.0mm, angled	Bi-bevel	0.25mm	No.7730B	P-7730B	PSS-7730B



Aluminum handle



Plastic handle



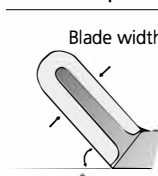
Safeshield handle

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.



Items and product numbers

Blade width	Specifications			Product No.		
	Blade width	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
	2.2mm, angled	Bi-bevel	0.25mm	No.7922B	---	---
	2.6mm, angled	Bi-bevel	0.25mm	No.7926B	P-7926B	PSS-7926B
	2.6mm, angled	Bevel-up	0.25mm	No.7926BU	P-7926BU	PSS-7926BU
	2.6mm, angled	Bevel-down	0.25mm	No.7926BD	---	---



Aluminum handle



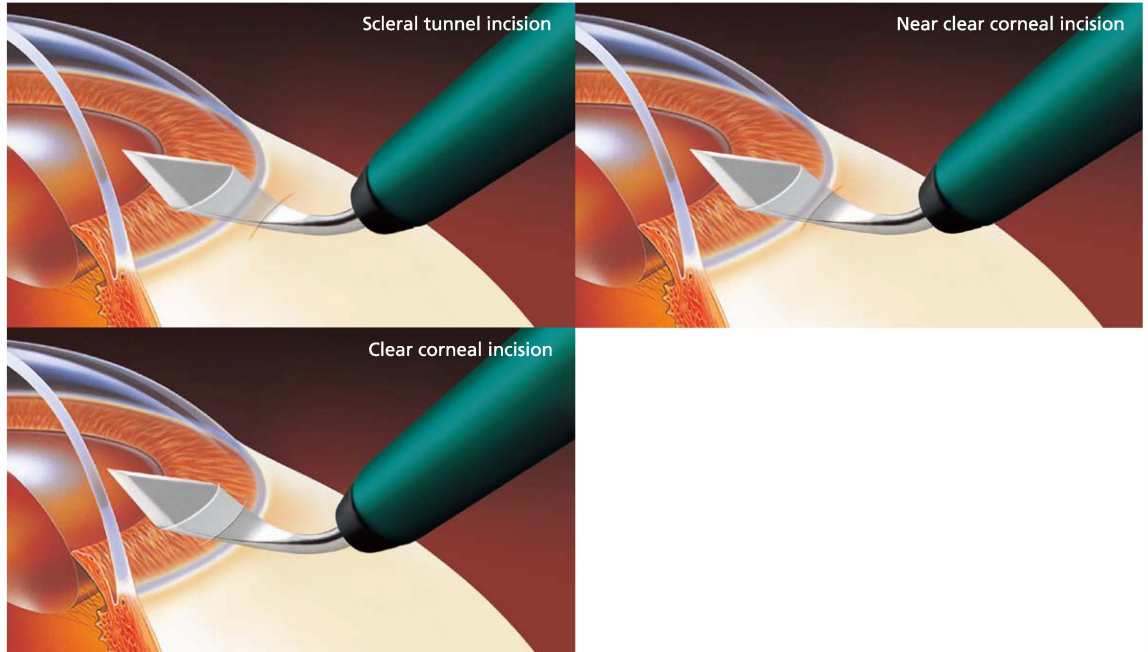
Plastic handle



Safeshield handle

Slit knife

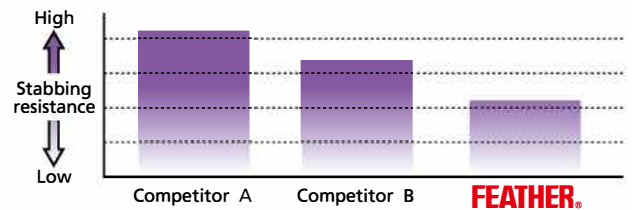
This knife is used for sclerocornea centesis incisions during cataract surgery. A choice of knives with keratome angles (40°, 45°, 50° or 60°) and blade edge types (bevels) allows surgeons to make a wide range of incisions.



This newest series has unprecedented best quality, produced from the combination of ultra-precision sharpening technology that FEATHER has cultivated during decades of blade manufacturing and the latest specialty blade edge processing. Especially for sclerocornea centesis incisions during cataract surgery, this knife is effective with its stable sharpness of low resistance value.

STABBING RESISTANCE COMPARISON

*In-house comparison by stabbing resistance value. Lower resistance value indicates better sharpness of the blade. (Based on in-house inspection data using swine eye.)



Items and product numbers

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





Items and product numbers

Angle	Blade width	Specifications			Product No.		
		Blade width	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
Angle 60°		2.5mm, angled	Bi-bevel	0.25mm	No.7625B	P-7625B	PSS-7625B
		2.65mm, angled	Bi-bevel	0.25mm	No.7627B	P-7627B	PSS-7627B
		2.75mm, angled	Bevel-up	0.25mm	No.76275BU	P-76275BU	---
		2.8mm, angled	Bevel-up	0.25mm	No.7628BU	P-7628BU	---
Angle 45° (40° for Safeshield handle)		2.8mm, angled	Bi-bevel	0.25mm	No.7628B	P-7628B	PSS-7628B
		3.0mm, angled	Bi-bevel	0.25mm	No.7630B	P-7630B	PSS-7630B
		3.0mm, angled	Bevel-up	0.25mm	No.7630BU	P-7630BU	---
Angle 60°		3.2mm, angled	Bi-bevel	0.25mm	No.7632B	P-7632B	PSS-7632B
		3.2mm, angled	Bevel-up	0.25mm	No.7632BU	P-7632BU	---
		3.5mm, angled	Bi-bevel	0.25mm	No.7635B	---	---
		2.8mm, angled	Bi-bevel	0.15mm	No.9628B	P-9628B	---
Angle 45°		3.0mm, angled	Bi-bevel	0.15mm	No.9630B	P-9630B	---
		3.2mm, angled	Bi-bevel	0.15mm	No.9632B	P-9632B	---
		1.0mm, angled	Bevel-up	0.25mm	No.7610BU	P-7610BU	---
Angle 40°		1.0mm, straight	single-bevel blade	0.25mm	No.7610	P-7610	PSS-7610
		1.1mm, angled	Bevel-up	0.25mm	No.7611BU	P-7611BU	---
Angle 40°		1.2mm, angled	Bevel-up	0.25mm	No.7612BU	P-7612BU	---
		1.2mm, straight	single-bevel blade	0.25mm	No.7612	---	---
		1.4mm, angled	Bevel-up	0.25mm	---	P-7614BU	PSS-7614BU
		1.5mm, angled	Bevel-up	0.25mm	No.7615BU	P-7615BU	PSS-7615BU
Angle 45° (40° for Safeshield handle)		1.6mm, angled	Bevel-up	0.25mm	---	P-7616BU	---
		1.7mm, angled	Bevel-up	0.25mm	---	P-7617BU	PSS-7617BU
		1.8mm, angled	Bevel-up	0.25mm	No.7618BU	P-7618BU	---
Angle 45°		1.9mm, angled	Bevel-up	0.25mm	---	P-7619BU	---
		2.0mm, angled	Bevel-up	0.25mm	No.7620BU	P-7620BU	---
		3.0mm, angled	Bevel-up	0.15mm	No.8630BU	P-8630BU	---
		3.2mm, angled	Bevel-up	0.15mm	No.8632BU	P-8632BU	---



Aluminum handle



Plastic handle

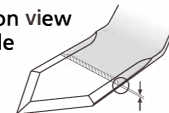


Safeshield handle



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

Cross section view of the blade



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

Items and product numbers

Angle	Blade width	Specifications			Product No.		
		Blade width	Bevel	Blade thickness	Aluminum handle	Plastic handle	Safeshield handle
Angle 50°		2.1mm, angled	Bevel-up	0.15mm	No.7621BUPS	P-7621BUPS	---
		2.2mm, angled	Bevel-up	0.15mm	No.7622BUPS	P-7622BUPS	PSS-7622BUPS
		2.3mm, angled	Bevel-up	0.15mm	No.7623BUPS	P-7623BUPS	---
		2.4mm, angled	Bevel-up	0.15mm	No.7624BUPS	P-7624BUPS	PSS-7624BUPS
		2.5mm, angled	Bevel-up	0.15mm	No.7625BUPS	P-7625BUPS	PSS-7625BUPS
Angle 45° (40° for Safeshield handle)		2.8mm, angled	Bevel-up	0.15mm	No.7628BUPS	P-7628BUPS	PSS-7628BUPS
		3.0mm, angled	Bevel-up	0.15mm	No.7630BUPS	P-7630BUPS	PSS-7630BUPS
		3.2mm, angled	Bevel-up	0.15mm	No.7632BUPS	P-7632BUPS	PSS-7632BUPS



Aluminum handle



Plastic handle



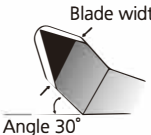
Safeshield handle

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.



Items and product numbers

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



Aluminum handle



Plastic handle



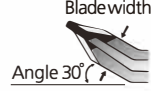
Safeshield handle

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.



Items and product numbers

Bladewidth 	Specifications			Product No.
	Blade width	Bevel	Blade thickness	Aluminum handle
	2.2mm, angled	Bevel-up	0.15mm	No. 7622BG
	2.3mm, angled	Bevel-up	0.15mm	No. 7623BG
	2.4mm, angled	Bevel-up	0.15mm	No. 7624BG
	2.5mm, angled	Bevel-up	0.15mm	No. 7625BG
	3.0mm, angled	Bevel-up	0.15mm	No. 7630BG





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.



Items and Product Numbers

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

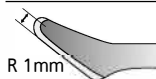


Scleral knife

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



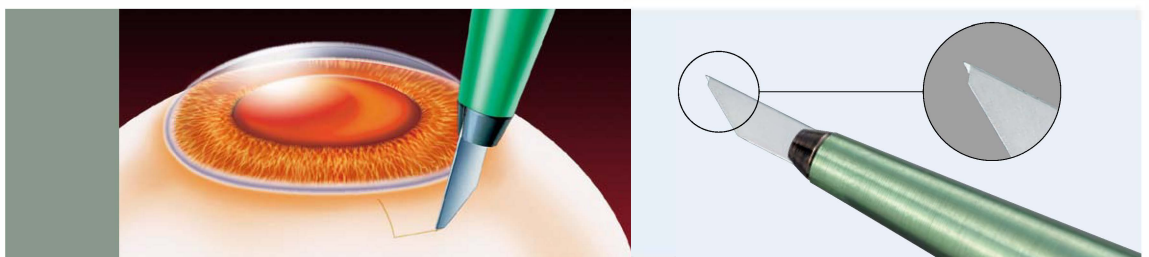
Item and product number

 R 1mm	Specifications			Product No.
	Blade width	Bevel	Blade thickness	Aluminum handle
	Scleral knife, straight	Bi-bevel	0.38mm	No.780

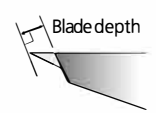


Groove knife for glaucoma surgery

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.



Items and product numbers

 Blade depth	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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