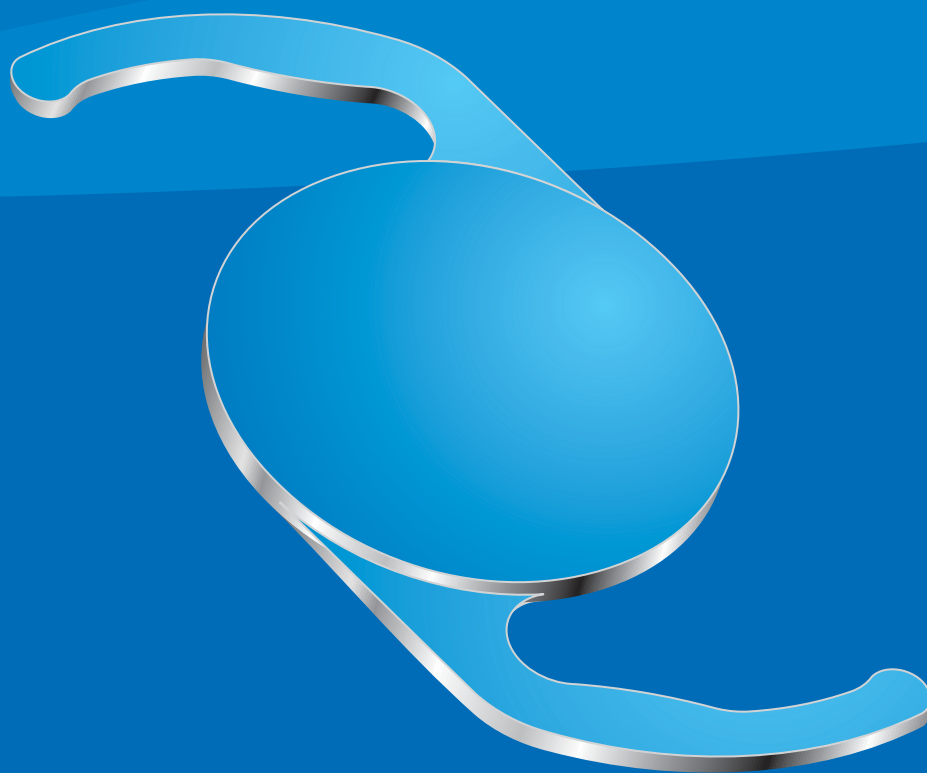




# ptima

*Excellent... in sight*



ISO 13485:2016  
Certified Company

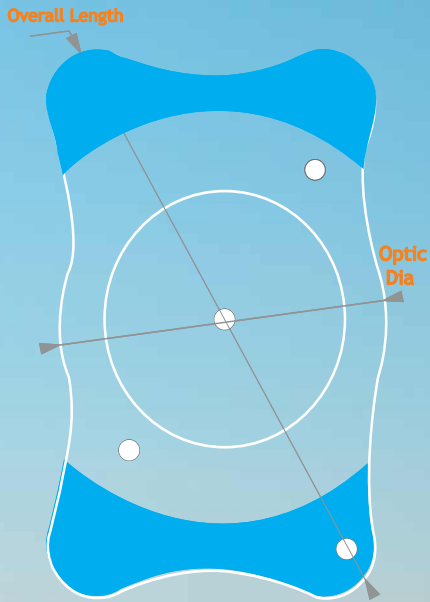
Products Guide  
Intraocular Lens

# IMPCL

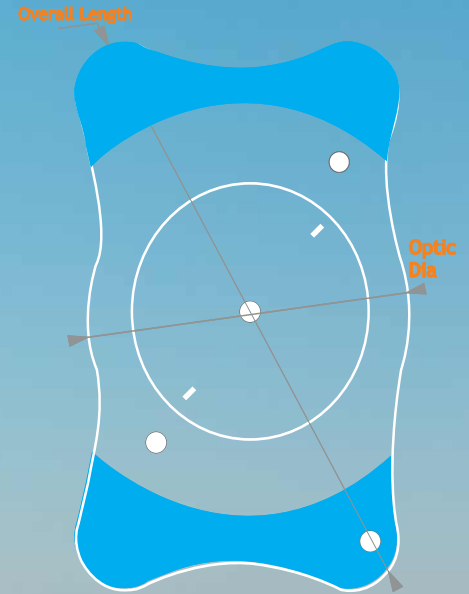
*Keep Your Dreams Alive ...*

 **Optima**  
*Excellent... in sight*

## PHAKIC LENS



## PHAKIC TORIC LENS



# Implantable contact Lens...

### For better Results

- Your precise Pre-Operative data and the calculation from the factory will give an accurate power calculation.
- K1 & K2 @ Axis
- Pre-operative Sphere
- White to White Distance
- Anterior chamber Depth
- RE (OD) / LE (OS)
- Patient Name
- Surgeon Name / Hospital Name

Model	IMPCL 619	IMPCL 621	IMPCL 622	CL 603	CL 306
Optic Diameter	4.50 mm to 6.00 mm				
Overall Length	10.50 mm to 14.00 mm				
IOL Power (spherical equivalent Diopters)	-1.0 D to -23.0 D (in 0.5 Steps)				
Material	Hydrophilic Acrylic				
Optic Type	Meniscus				
Vault height	400 to 700 microns				
Refractive Index	1.460				
Sterilization	Steam				
Online Calculator	<a href="http://www.excellenthicare.com/calc">http://www.excellenthicare.com/calc</a>				

### Raw Material

- The IMPCL Lens is made in p- HEMA, soft Hydrophilic Intraocular lens material.
- UV Protection Built into the biocompatible material.
- Refractive Index- 1.460

### Available Optics Power

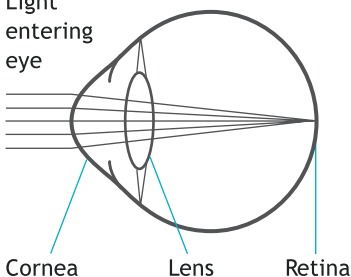
- Myopia in Adults ranging from -4.0 D to -18.0 D with or astigmatism upto 6.0 D.
- Hyperopia in adults ranging from +4.0 D to +10.00 D without or with astigmatism upto 6.0 D.

### Surgical Outcome

- Walk in and Walk out procedure
- Designed to be permanent implant
- If necessary, can be removable
- Iridectomy required at periphery
- 90% patient satisfied. The residual error of 10% due to pre-operative reading and calculation or other complication in the eye
- 92% patient gets 6/6 to 6/9 uncorrected distance Visual Acuity after 8th week post Ope.
- The Patient safety and satisfaction level is high.
- 100% tested for MTF
- 100% optimised for close tolerance with labelled Diopter
- High contract sensitivity under all lighting conditions.

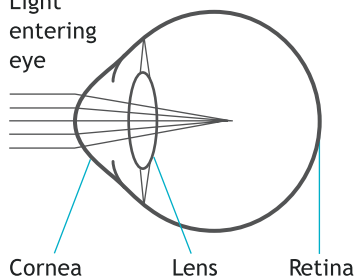
#### Normal Eye

Light entering eye



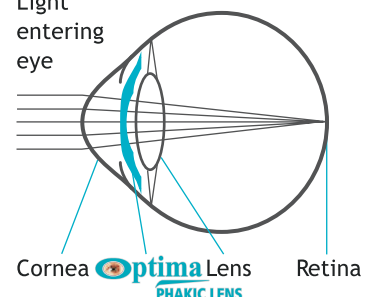
#### Nearsighted Eye

Light entering eye



#### Eye After Treatment

Light entering eye



Model	PT 550	PT 551	PT 552	PT 553	PT 554
Optic Diameter	4.50 mm to 6.00 mm				
Overall Length	11.50 mm to 14.00 mm				
Material	Hydrophilic Acrylic				
IOL Power (spherical equivalent Diopters)	-1.0 D to -23.0 D (in 0.5 Steps)				
IOL Cylinder Power	1.50 D to 6.00 D (in 0.5 Steps)				
Addition for Near Focus	+1.00 D to +4.00 D (in 0.5 Steps)				
Optic Type	Meniscus				
Vault height	400 to 700 microns				
Refractive Index	1.460				
Sterilization	Steam				
Online Calculator	<a href="http://www.excellenthicare.com/calc">http://www.excellenthicare.com/calc</a>				

## What is Toric ICL?

The Toric ICL is only a variant of ICL. Toric ICL corrects your nearsightedness as well as your astigmatism (cylindrical power) in one single procedure. Each lens is custom made to meet the needs of each individual eye.

## The ICL Procedure:

- The implant surgery is quick and painless, lasting only about 10 - 15 minutes.
- The area around your eyes will be cleaned and a sterile drape may be applied around your eye.
- Eye drops or a local anesthetic will be used to numb your eyes.
- When your eye is completely numb, an eyelid speculum will be placed between your eyelids to keep you from blinking during the procedure.
- The recovery time is short and the results of the surgery are almost immediate.
- Most patients resume normal activities within a week.

## Lens Haptics & Contour :

- The Four-Point contact haptic design of the IMPCL has an Excellent position stability which reduces the lens vault either Posteriorly or Anteriorly.
- Hence the probability of the Refractive surprise will be as reduced.
- Vault within a range of 400 micron to 700 microns.

## Advantages of ICL

Biocompatible lens that is in harmony with your natural eyes

Sharp, clear vision

Great option for people with thin Corneas.

Excellent night vision

Provides UV protection



General	Hydrophobic Acrylic Foldable Multipiece ,Aspheric, Achromatic, UV Filter	
Optic Size	6.00 mm	
Haptic Size	13.00 mm , 13.50 mm, 14.00 mm	
Optic	Bi-Convex	
Edge Design	Continuous 360 Posterior Square Edge	
Haptic Design	Modified 'C' loop , PVDF ( Polyvinylidene fluoride Monofilament )	
Haptic Angle	0°	
AC Depth	5 mm	
Incision Size	2.80 mm	
Refractive Index	1.4933 mm	
A.Constant		
	Ultrasound	Optical Biometry
	SRK/T	118.4
	SRK/II	118.6



**Optima<sup>®</sup>3 Piece**  
 Multipiece Hydrophobic  
 Foldable IOL



**Optima<sup>®</sup>3 Piece**  
 Multipiece Hydrophobic  
 Yellow Foldable IOL

Model No	Optic Size	Haptic Size
MPH6130	6.00 mm	13.00 mm
MPH6135	6.00 mm	13.50 mm
MPH6140	6.00 mm	14.00 mm
MPH6130-Y	6.00 mm	13.00 mm
MPH6135-Y	6.00 mm	13.50 mm
MPH6140-Y	6.00 mm	14.00 mm

- Monofocal, Spherical with PVDF Haptics designed for better casular stability
- Suitable IOL for sulcus implantation



why use us?

- ✓ **Optima<sup>®</sup>3 Piece** have haptics of a much more rigid material, such as PVDF ( Polyvinylidene fluoride Monofilament )
- ✓ 3-piece lens for Bag/Sulus and alternative fixation, alternative fixation( Sulcus), specially designed for alternative fixation (sulcus,Sulcus Sclera)
- ✓ The Haptics are much thinner and are much better tolerated in the sulcus than the bulky, single-piece haptics.

Original IOL Power

Adjustment IOL POWER  
 for sulcus placement

0.0 to 8.50	None
9.50 to 17.50	-0.5D
18.00 to 26.50	-1.0D
27.00 to higher	-1.5D



**Optima<sup>®</sup>3 Piece** can be delivered through an incision as well as 2.80 mm with optima jet implantation system.

It is a Reusable Titanium injector, Designed specifically for optima 3 piece and Excellent Hi-Crea Cartridge.

Click-lock mechanism thereby securing the lens in the exact position for a perfect lens delivery into the eye.

Lens insertion is gentle and without the lens wedging or twisting ensures a controlled release, and consequently a precise positioning in the eye .



- ✓ Highly Biocompatible Material.
- ✓ 360° Square Edge Optics , minimize the chance of PCO.
- ✓ Improved functional vision.
- ✓ Improved Night driving simulator performance.
- ✓ Proprietary surface treatment for ease of unfolding.
- ✓ Sterilized by Ethylene Oxide.



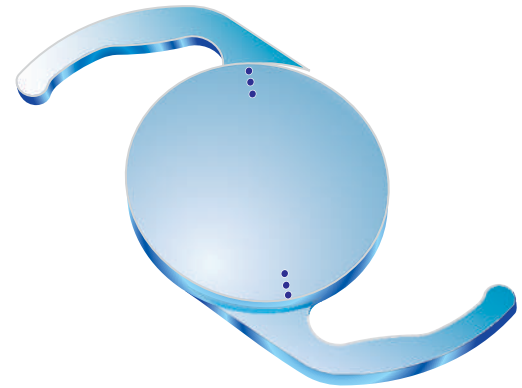
# astigToric

## Hydrophobic Toric Intraocular Lenses

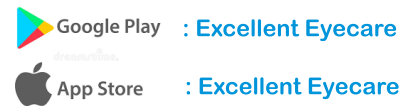
### EXCELLENT ASTIGMATISM CORRECTION

General	Toric Hydrophobic Foldable, Single Piece, Aspheric, Achromatic, UV Filter
Optic Size	6.00mm
Haptic Size	12.50mm
Optic	Biconvex , Anterior Toric Aspheric Surface
Edge Design	Continuous 360° Posterior Square edge
Haptic Design	Single Haptic
Haptic Angle	0°
AC Depth	5 mm
Incision Size	2.6 mm
Diopter Range	Cylinder Power 1.5 D to 6.0 D in 0.5 Increments Spherical Power 10.0 D to 35.0 D in 0.5 Increments
Refractive Index	1.4933
A.Constant	

	Ultrasound	Optical Biometry
SRK/T	118.4	118.7
SRK/II	118.6	118.9

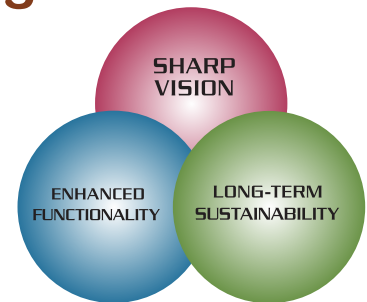


### Toric Calculator:



Model Nos:	Lens Model	In IOL Plane	In Corneal Plane
	MO-T-615(1.5)	1.5	1.03
	MO-T-615(2.0)	2.0	1.37
	MO-T-615(2.5)	2.5	1.71
	MO-T-615(3.0)	3.0	2.05

## Select Astig Toric IOL For:



### SHARP VISION

#### LEAVE A LEGACY OF OUTSTANDING VISION:

As the quantity of toric procedures increases, trust your legacy to an IOL that delivers exceptional visual quality. The Astig Toric IOL adheres to a high standard of optical excellence so you can give each patient , the sharp , brilliant vision they never thought possible.

#### EXCELLENT ASTINGMATISM CORRECTION

In a clinical study evaluating the Astig Toric Toric IOLs for astigmatism correction in cataract patients, 94% of eyes achieved  $\leq 0.5$  D of residual refractive cylinder, and 98% of eyes achieved

\*\*Modular Transfer Function (MTF) is a measure of the amount of contrast transferred by the optics in a visual system. The higher the MTF value, the more contrast transferred to the image resulting in higher image contrast.

#### ENHANCED FUNCTIONALITY

#### LEAVE A LEGACY OF LIVING.

Your patients are far from ready to throw in the towel. They've got places to go and sights to see — and they'll see them all through the IOL you choose. Give them a lens designed to function in real-world conditions, such as in low light or without glasses, so they can experience each day with outstanding clarity.

#### LONGTERM SUSTAINABILITY

#### LEAVE A LASTING LEGACY

What good is a lens if it's not built to last? Make your legacy one you can continually be proud of with an IOL that delivers exceptional stability, high patient satisfaction and stunning visual performance.

#### OUTSTANDING POSTIOP ROTATIONAL STABILITY:

Stability is especially important for those with astigmatism. Toric IOLs demonstrate an excellent  $2.74^\circ$  mean axis change between the baseline and six months.

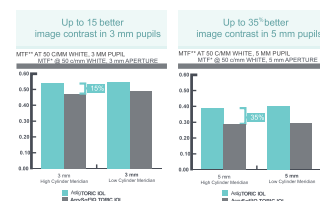
Rotation of the Astig Toric 1-Piece IOL away from its intended axis can reduce its astigmatic correction. Misalignment greater than  $30^\circ$  may increase

#### WARNINGS:

Postoperative refractive cylinder. If necessary, lens repositioning should occur as early as possible prior to lens encapsulation.

#### SUPERIOR IMAGE CONTRAST

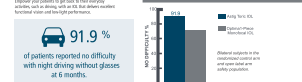
Your patients deserve vision that's as sharp as it is clear, so give them a lens that delivers extraordinary image contrast.



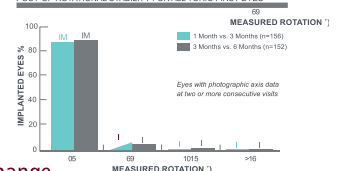
92 of patients achieved 20/20 or better monocular corrected distance visual acuity

#### CONFIDENT DRIVING AT NIGHT WITHOUT GLASSES\*

91.9% of patients reported no difficulty with night driving without glasses at 6 months.



#### POST-OP ROTATIONAL STABILITY FOR ALL TORIC FIRST EYES



# Optima VUE TRIFOCAL-EF

## Trifocal Enhanced Depth of Focus Glistening Free IOL

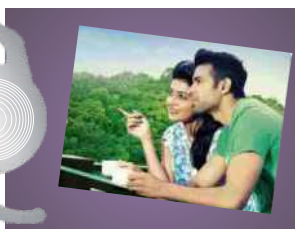
Model Name:	Optima Binary Tri EF		
Model Number:	Hydrophobic - TRI-FO-617 / Hydrophilic - TRI - FO- 615		
Power Range:	0.0 D to +30.0 D (increments 0.5 D) Trifocal, diffractive, +3.5 D near add and +1.75 D intermediate add at the IOL plane		
Delivery System			
Injector Type:	Preloaded IOL / Non Preloaded injection system / Click Lock Mechanism for smoother Delivery		
Incision size:	2.20 mm nozzle for sub 2.4 mm incision		
Bevel Angle:	45°		
Lens Delivery:	Single handed plunger		
Aspheric Trifocal IOL			
Material:	Single piece Hydrophobic / Hydrophilic Acrylic		
Water Content:	<0.5% Hydrophobic / 26% Hydrophilic		
Refractive Index	Hydrophobic -1.4933 / hydrophilic - 1.555		
Overall Diameter:	Hydrophobic 12.50 mm & 13.00 mm / Hydrophilic 10.60 mm		
Optic Diameter:	6.00 mm		
Optic Shape:	Biconvex Aspheric		
Asphericity:	Aberration-neutral technology		
Optic Edge Design:	360° enhanced square edge		
Haptic Angulation:	0°		
Haptic Style:	Hydrophobic - C Loop / Hydrophilic - C Loop		
Suggested A constant**	Hydrophilic - 118.0		
Suggested A constant**	Hydrophobic	Optical Biometry	Ultrasound-A Scan
	SRK/T: A	118.7	118.4
	SRK II: A	118.9	118.6



### Optima BINARY TRI-EF IOLs have three features to personalize your Visions.

Each Type of IOLs have Outstanding vision to meet your specific needs. We can look forward to seek objects close, in-between and far into the distances.

+3.00



### THE EXCELLENT LENS FOR YOUR LIFESTYLE

You have more comfort while reading a book, and more confidence while viewing the screen on your smart phone and TV and excellent vision to find your things on the Far Distance. Optima Binary Multifocal IOLs have a Unique solution for Excellent for your active lifestyle.

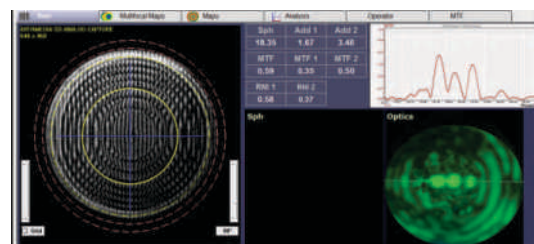
+3.50



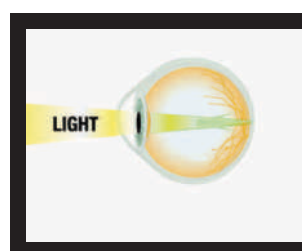
### CONCLUSION:

Patients with age-related vision loss can look forward to regain their younger vision and reducing their dependence on glasses. Our Clinical studies indicates that 90 out of 100 patients said that they are satisfied with Binary Multifocal IOLs of Optima Family.

+4.00



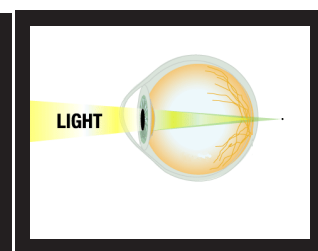
### CATARACT



#### Signs of Cataracts

Clouded Blurred or dim vision  
Increasing difficulty with vision at night  
Sensitivity to light and glare  
Seeing "halos" around lights  
Fading or yellowing of colors

### PRESBYOPIA



#### Signs of Presbyopia

Having eyestrain or headaches after reading or doing close work.  
Having difficulty reading small print.  
Having fatigue from doing close work.  
Squinting

Model	HFS 6125SQ	HFS 6125SQY
Optic Diameter	6.00 mm	6.00 mm
Overall Diameter	12.50 mm	12.50 mm
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	Step Vaulted "C" design, 0° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
A.Constant		
	Ultrasound	Optical Biometry
	SRK/T	118.4
A.Constant	SRK/II	118.6
	SRK/T	118.7
	SRK/II	118.9

Model	HFS 6130SQ	HFS 6130SQY
Optic Diameter	6.00 mm	6.00 mm
Overall Diameter	13.00 mm	13.00 mm
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	Step Vaulted "C" design, 0° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
A.Constant		
	Ultrasound	Optical Biometry
	SRK/T	118.4
A.Constant	SRK/II	118.6
	SRK/T	118.7
	SRK/II	118.9



Scan to view  
loading procedure

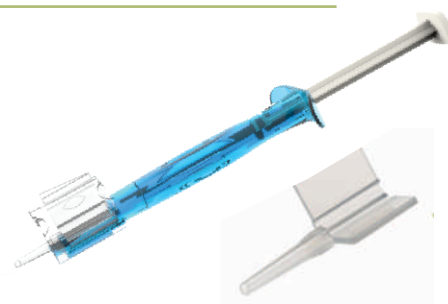
OPTIMA JET **Preloaded Injector System** is specially designed for smoother and safer delivery of Hydrophobic IOL

OPTIMA JET **Non- Preloaded Injector System** is smoother and safer delivery of Hydrophobic IOL

OPTIMA JET injector system deliver the IOL from **1.80 mm to 2.60 mm Incision** with various cartridges

Click-lock mechanism thereby securing the lens in the exact position for a perfect lens delivery into the eye

Lens insertion is gentle and without the lens wedging or twisting ensures a controlled release, and consequently a precise positioning in the eye



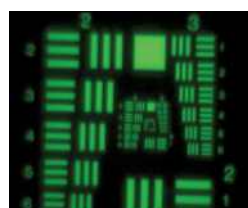
Standard Aspheric optics vision performance under low light



Aberration neutral **Optima VUE** Hydrophobic aspheric Foldable excellent visual performance under low light



Standard Aspheric optics IOL



**Optima VUE** Aberration neutral optics Peak visual Performance under low light

- Highly Biocompatible Material.
- 360° Square Edge Optics , minimize the chance of PCO.
- Improved functional vision.
- Improved Night driving simulator performance.
- Proprietary surface treatment for ease of unfolding.
- Sterilized by Ethylene Oxide.
- Powers Available : - 10.0 D to +40.0 D (+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)



## Enhanced Depth of Focus

**HYDROPHILIC** Double Aspheric Acrylic Foldable Intraocular lens

Model	ZAF 600	ZAF 601	IP131SQ	IP132SQ
Optic Diameter	6.00 mm	6.00 mm	6.00 mm	6.00 mm
Overall Diameter	12.50 mm	13.00 mm	12.50 mm	13.00 mm
Optic Design	Aberration Neutral, Negative Aspheric Biconvex			
Haptic Design	Double Haptics 5° Angulation		"C" design, 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge			
Suggested A. Constant	+ve power Range: 118, -ve Power Range : 117.4			

### Intermediate Vision

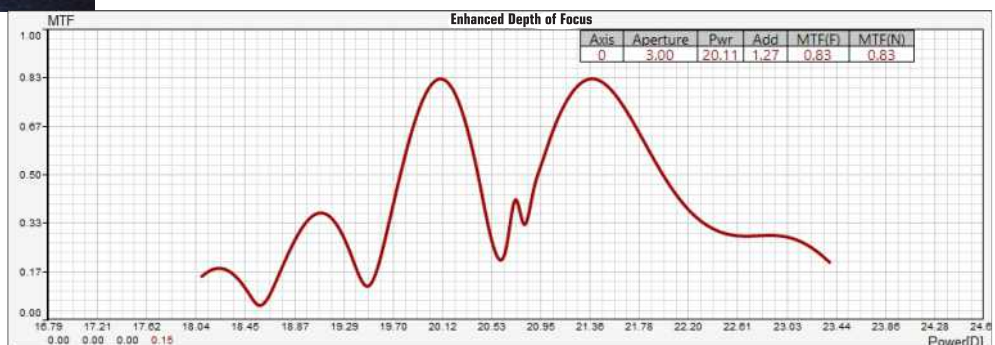
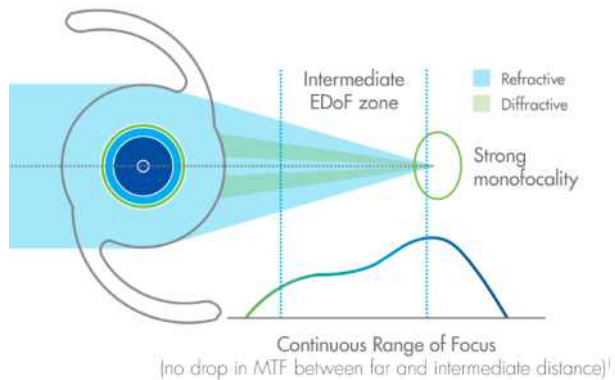


### Distance Vision



## Optima<sup>®</sup> ID Focus Enhanced Depth of Focus

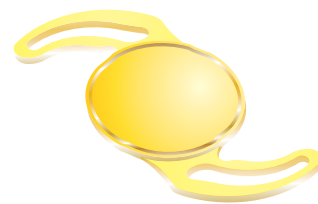
- ✓ Lens offers excellent distance as well as intermediate vision
- ✓ EDOF is a new technology that has recently emerged in the treatment of **Presbyopia -Correcting IOLs**
- ✓ Designed to enable safe and ease of implantation in the eye
- ✓ EDOF Lenses work by creating a single elongated focal point to enhance **"Depth Of Focus"**.



- ✓ Highly Biocompatible Material.
- ✓ 360° Square Edge Optics, minimize the chance of PCO.
- ✓ Improved functional vision.
- ✓ Improved Night driving simulator performance.
- ✓ Proprietary surface treatment for ease of unfolding.
- ✓ Powers Available : - 10.0 D to +40.0 D (+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)



Model	SAF6125SQ-R	SAF6125SQY-R
Optic Diameter	6.00 mm	
Overall Diameter	12.50 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	Double Haptics , 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A. Constant	+ve power Range: 118, -ve Power Range : 117.4	



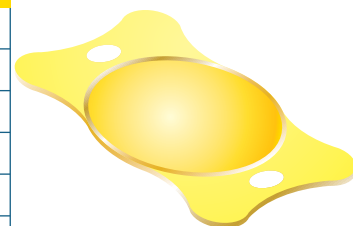
Model	SAF 6125SQ	SAF6125 SQY
Optic Diameter	6.00 mm	
Overall Diameter	12.50 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	"C" design, 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



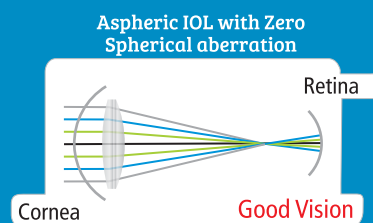
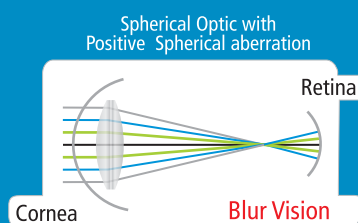
Model	SAF 6011SQ	SAF 6011SQY
Optic Diameter	6.00 mm	
Overall Diameter	11.00 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	4-Point Fixation, 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



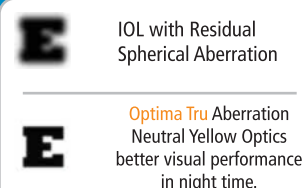
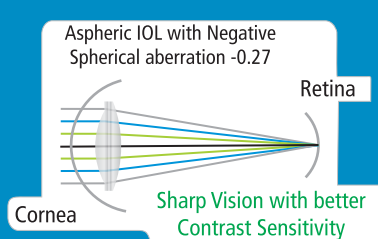
Model	SAF 6016SQ	SAF 6016SQY
Optic Diameter	6.00 mm	
Overall Diameter	10.60 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	Plate Haptics , 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



## SPHERICAL ABERRATION OF MONOFOCAL IOL



Optima Tru / Optima Clear



- ✓ Natural Yellow Hydrophilic Acrylic, 26% Water Content with UV filter
- ✓ UA-A(Violet light and dark blue light) filter and allowing healthy blue spectrum light in
- ✓ Powers Available : - 10.0 D to +40.0 D
- ✓ Injector and Cartridge System goes together with the optima Fold Lenses
- ✓ Better visual acuity and Enhanced contrast even at night mode.
- (+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)

# **ptima Fold**<sup>TM</sup>

Hydrophilic acrylic Foldable Intraocular lens  
with 360° Square Edge optics



Model	SAF 5120	SAF 6125-R
Optic Diameter	5.75 mm	6.00 mm
Overall Diameter	12.50 mm	
Optic Design	Spherical Biconvex	
Haptic Design	Double Haptics , 5° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



Model	SAF 6125
Optic Diameter	6.00 mm
Overall Diameter	12.50 mm
Optic Design	Spherical Biconvex
Haptic Design	"C" design , 5° Angulation
PCO Protection	360° perfect Square edge around the optic edge
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4



Model	SAF 6010	SAF 6011
Optic Diameter	6.00 mm	6.00 mm
Overall Diameter	10.50 mm	11.00 mm
Optic Design	Spherical Biconvex	
Haptic Design	4-Point Fixation, Plate Haptics, 0° Angulation	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	+ve power Range: 118, -ve Power Range : 117.4	



## Optima Jet - Injector and Cartridge System

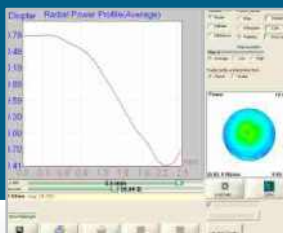


OPTIMA JET disposable injector system is specially designed for smoother and safer delivery of acrylic foldable IOL.

OPTIMA JET injector system deliver the IOL from 1.8 mm to 2.8 mm incision with various cartridges.

Click-lock mechanism thereby securing the lens in the exact position for a perfect lens delivery into the eye

Lens insertion is gentle and without the lens wedging or twisting ensures a controlled release, and consequently a precise positioning in the eye



Model SAF 6125SQ, +20.00 D Aspheric Map in Uniform Power , Provides Quality vision for all Patient. Greater depth of field maintaining high quality vision under low light.



Standard Aspheric optics vision performance under low light



Aberration neutral OPTIMA Foldable excellent visual performance under low light

○ Aberration neutral aspheric lenses are designed with uniform power from center to edge

○ High Refractive Index : 1.46 ✓ Estimated incision size : 1.80 to 2.2 mm

○ Powers Available : - 10.0 D to +40.0 D

(+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)

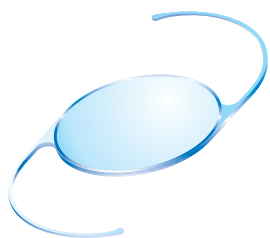
✓ Injector and Cartridge System goes together with the optima Fold Lenses

# Optima Edge™

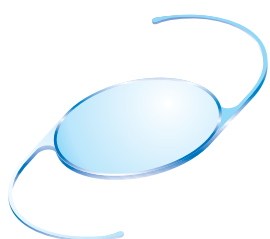
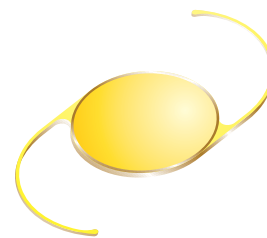
Aspheric Surface With 360° Square Edge Optics  
PMMA Intraocular lens

# Optima Gold™

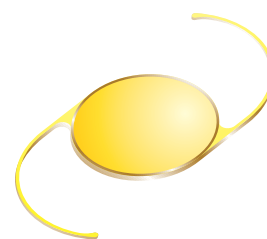
Aspheric Surface With 360° Square Edge Optics  
Yellow PMMA Posterior Chamber Intraocular lens



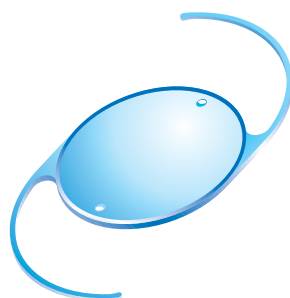
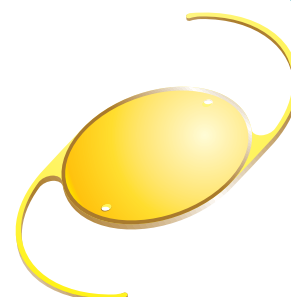
Model	MCS 523SQ	MCS 523SQY
Optic Diameter	5.25 mm	
Overall Diameter	12.50 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	"C" Design with Step Vault	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	118.4	



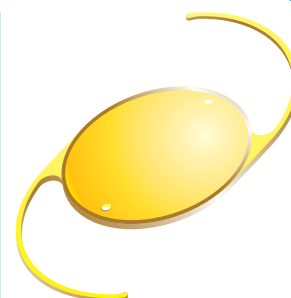
Model	MCS 553SQ	MCS 553 SQY
Optic Diameter	5.50 mm	
Overall Diameter	12.50 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex	
Haptic Design	"C" Design with Step Vault	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	118.4	



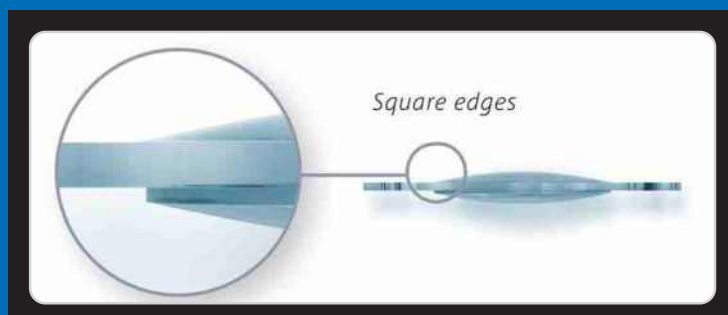
Model	MCS 603HSQ	MCS 603HSQY
Optic Diameter	6.00 mm	
Overall Diameter	12.50 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex with 2 Holes	
Haptic Design	"C" design with Step Vault	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	118.4	



Model	MCS 602HSQ	MCS 602HSQY
Optic Diameter	6.00 mm	
Overall Diameter	13.00 mm	
Optic Design	Aberration Neutral, Negative Aspheric Biconvex with 2 Holes	
Haptic Design	"C" design with Step Vault	
PCO Protection	360° perfect Square edge around the optic edge	
Suggested A.Constant	118.2	



- ✓ CQ PMMA- Bio-compatibility material with UV filter ensuring adequate UV protection.
- ✓ Single Piece Posterior Chamber with posterior Side Square edge and rounded Anterior Edge.
- ✓ Aberration neutral aspheric lenses are designed with uniform power from center to edge and reduced glare & glistening
- ✓ 360 ° Sharp Edge around the whole outline of the optic reduces the cell adhesion for highest possible PCO prevention.
- ✓ The Haptics design with step vault ensures, better contact with the capsular bag and better centration post operatively .
- ✓ Powers Available : - 10.0 D to +40.0 D  
(+10.0 D to +30.0 D in 0.5 D steps -10.0 D to +9.0 D and +31.0 to +40.0 D in 1.0 D Steps)
- ✓ Optics are Yag Laser compatible.
- ✓ Sterilized by Ethylene Oxide



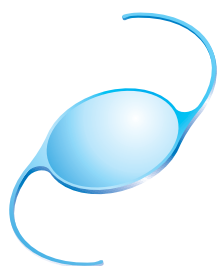


# Optima Lens™

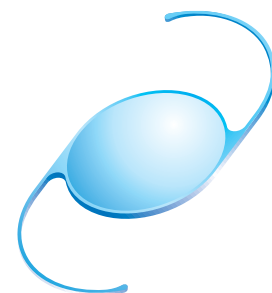
PMMA Single Piece Posterior Chamber and Anterior Chamber Intraocular lens

# Optima Ring™

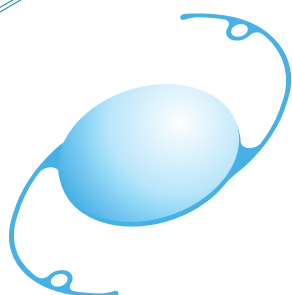
PMMA Single Piece Capsular Tension Ring and Advanced Capsular Tension Ring



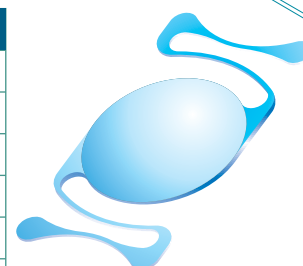
Model	MCS 503	MCS 602	MCS 524	MCS 553
Optic Diameter	5.00 mm	6.00 mm	5.25 mm	5.50 mm
Overall Diameter	12.50 mm	13.00 mm	12.00 mm	12.50 mm
Optic Design	Spherical Biconvex			
Haptic Design	"C" Design with Step Vault			
Dialing Holes	Nil			
Suggested A.Constant	118.4			



Model	MCS 603 H	MCS 602 H	MCS 652 H
Optic Diameter	6.00 mm	6.00 mm	6.50 mm
Overall Diameter	12.50 mm	13.00 mm	13.00 mm
Optic Design	Spherical Biconvex		
Haptic Design	"C" design with Step Vault		
Dialing Holes	Two		
Suggested A.Constant	118.4	118.2	

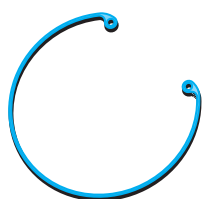


Model	OSF 651	SMS 603
Optic Diameter	6.50 mm	6.00 mm
Overall Diameter	13.50 mm	12.50 mm
Optic Design	Spherical Biconvex	Spherical Biconvex
Haptic Design	"C" design with Step Vault	"S" design with Step Vault
Dialing Holes	Nil	Nil
Suggested A.Constant	118.2	115.3

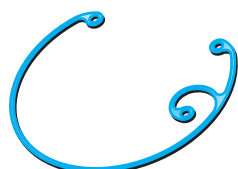
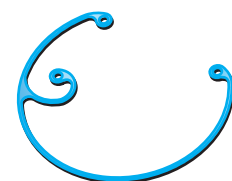


Anterior Chamber IOL

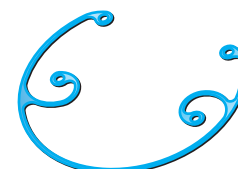
## PMMA Capsular Tension Ring and Advance Capsular Tension Ring



Model	OCR1109	OCR1210	OCR 1311	OCR 1412	OCR1210L	OCR1311L
Overall Diameter	11.0 mm	12.0 mm	13.0 mm	14.0 mm	12.0 mm	13.0 mm
Insertion Diameter	09.0 mm	10.0 mm	11.0 mm	12.0 mm	10.0 mm	11.0 mm
Fixation Hook	Nil				Left side with Step Vault	
Material	CQ- PMMA Clear / Blue					



Model	OCR 1210R	OCR 1311R	OCR 1210LR	OCR 1311LR
Overall Diameter	12.0 mm	13.0 mm	12.0 mm	13.0 mm
Insertion Diameter	10.0 mm	11.0 mm	10.0 mm	11.0 mm
Fixation Hook	Right Side with Step Vault		Both Side with Step Vault	
Material	CQ- PMMA Clear / Blue			



## Optima - Iris Claw Intraocular lens



Model	MIC 4080 / 4272	MIC 5580 / 5590
Optic Design	4.0 mm X 8.0 mm / 4.25 mm X 7.25 mm	5.50 mm X 8.0 mm / 5.50 mm X 9.0 mm
Optic Size	Convex / Concave	Convex / Concave
Haptic Design	Spherical	Spherical
A.Constant / AC Depth	117.2 / 2.95	117.2 / 2.95





# optima **VETERINARY**

## Veterinary Acrylic Foldable Intraocular Lenses

Lens Design	Single Piece Posterior Chamber Foldable IOL
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Material	Co-polymer of Ultra purity Hydrophilic Acrylate
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	with UV Blocker , 26% water Content @20 ° C
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Optic Design	Aspheric biconvex
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Haptic	0° angulation with posterior vaulting
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PCO Prevention	360 ° Step Continuous Square edge on posterior side
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Clear Optic	6.0 mm
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Optic Body Diameter (Øb)	6.50 mm
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Overall Diameter (Øt)	12.00 mm to 14.00 mm depending on the model
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Refractive Index	1.46 @ 20°C hydrated , 1.457 @ 35°C hydrated
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Tensile Strength	2.50 MPa
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ABBE Value	58
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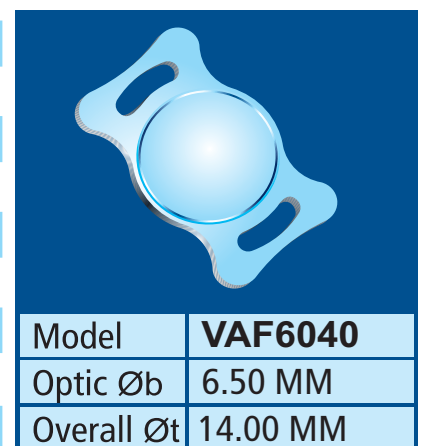
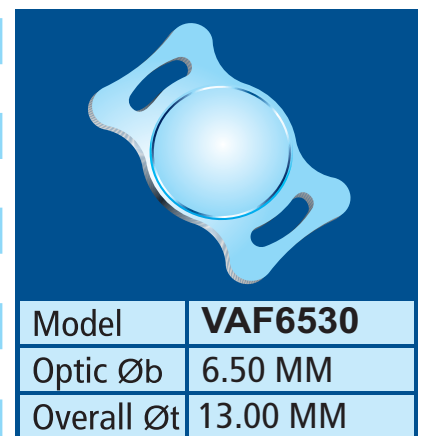
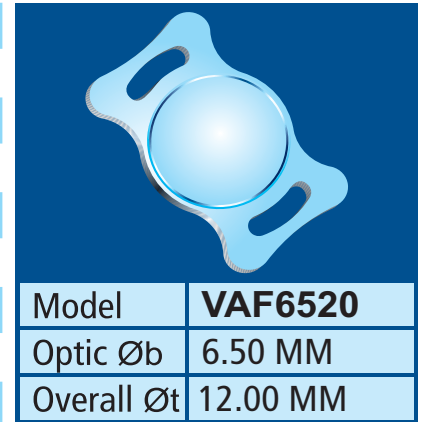
Available Powers	+41.0 D
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Incision Size	2.80 mm
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A-Constant *	118.0
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A.C Depth *	5.0 mm
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Sterilization	Steam
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### Features:

- ✓ Highly Biocompatible Acrylic material
- ✓ Full usable optic of 6.00 mm at +41.0 D
- ✓ Aberration Correcting
- ✓ Optic Body 6.5 mm
- ✓ Perfect Centration in the Capsular Bag
- ✓ Long term experience in clinical application

# Optima Sharp<sup>TM</sup>

## Micro Surgical Blades

### KERATOME (Sharp Tip)



For Phaco Stab Incision Straight / Angled 45°.

MODEL	SIZE	DESCRIPTION
ES 9015	1.50 mm to 1.75 mm	24 Guage
ES 9018	1.80 mm to 2.05 mm	20 Guage
ES 9020	2.00 mm to 2.25 mm	20 Guage
ES 9023	2.30 mm to 2.55 mm	20 Guage
ES 9026	2.65 mm to 2.85 mm	20 Guage
ES 9028	2.80 mm to 3.05 mm	20 Guage
ES 9030	3.00 mm to 3.25 mm	24 Guage



Bevel Up / Down

### CRESENT BLADES



Tunnel Incision Straight / Angled 45°.

MODEL	SIZE	DESCRIPTION
ES 9400 BU	2.00 mm to 2.25 mm	20 Guage
ES 9400 BD	2.00 mm to 2.25 mm	20 Guage



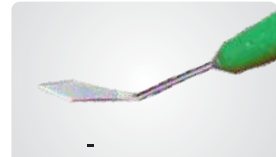
Bevel Up / Down

### KERATOME (Blunt Tip)



Keratome Blunt Tip for IOL Enlarging

MODEL	SIZE	DESCRIPTION
ES 9035	3.50 mm to 3.75 mm	18 Guage
ES 9051	5.10 mm to 5.35 mm	16 Guage
ES 9055	5.50 mm to 5.75 mm	16 Guage



### LANCE TIP



Lance Tip Blades for Initial Incision Lance Tip

MODEL	SIZE	DESCRIPTION
ES 9215	15° ± 1°	24 Guage
ES 9030	30° ± 1°	24 Guage



### MVR BLADES



For Water Tight Self Sealing Incision Straight / Angled 45°.

MODEL	SIZE	DESCRIPTION
ES 9616	1.35 mm ± 0.05 mm	19 Guage
ES 9620	2.00 mm ± 0.05 mm	20 Guage



### Features:

- ✓ Available in Flat and Stock
- ✓ Manufactured from high quality steel
- ✓ Ready to use,ETO Sterile.
- ✓ Made from poly carbonate material
- ✓ Manufactured under high magnification
- ✓ Custom-design facility available

# Optima

*Excellent... in sight*



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