



*Enjoy the Nature Naturally ...*

# *Multi Diff*

Diffraction - Refractive Multifocal  
Hydrophilic Acrylic Intraocular Lens

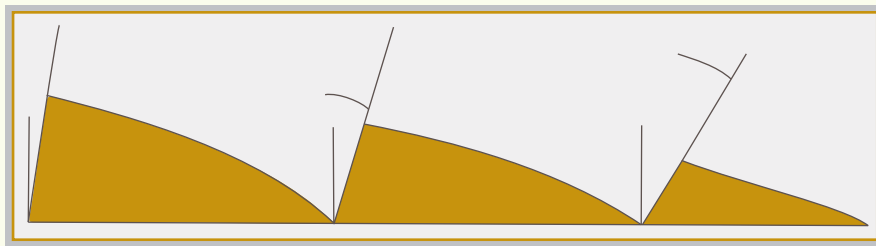


## About

**MULTI DIFF** is made of highly Biocompatible HEMA material, with 26% water content is fabricated by Polish Free Nano Lathe Cut Technology with minimal spectacle dependency.

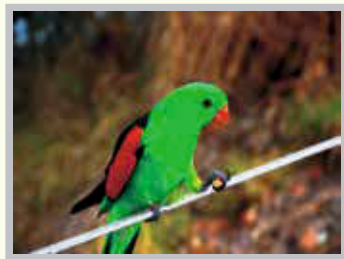
## Optic Design

- **MULTI DIFF** IOL has a Diffractive-Refractive Square edge Multifocal IOL
- The central zone is of 5.0 mm diameter has 20 diffractive zones. The remaining 1.0 mm portion of the lens has the refractive zone
- The step height gradually declines towards the periphery
- The light is evenly distributed between all focal points (near, intermediate & distant) resulting in a crystal clear vision from all distance
- **MULTI DIFF** has +3.5D additional power to separate the near and distant images, thus making them distinctive.

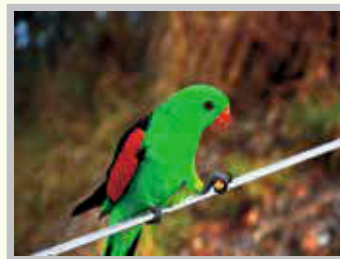


## Aspheric Optics

- The negative asphericity provided in **MULTI DIFF** affords better visual quality than any other spherical IOL
- The Negative Asphericity ensures a good combination between Asphericity and Depth of Perception
- The unique anterior diffractive design reduces halos and yields superior vision
- The Aspheric optic of the **MULTI DIFF** IOL design aligns light rays to compensate for Positive Corneal Spherical Aberration, resulting in enhanced image quality



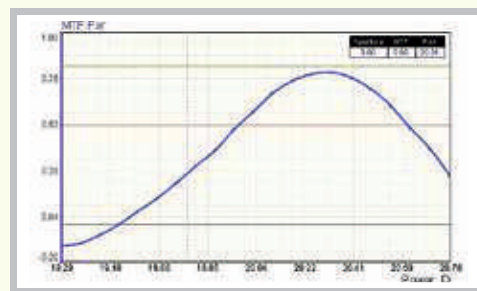
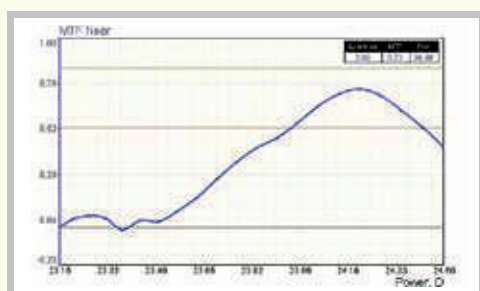
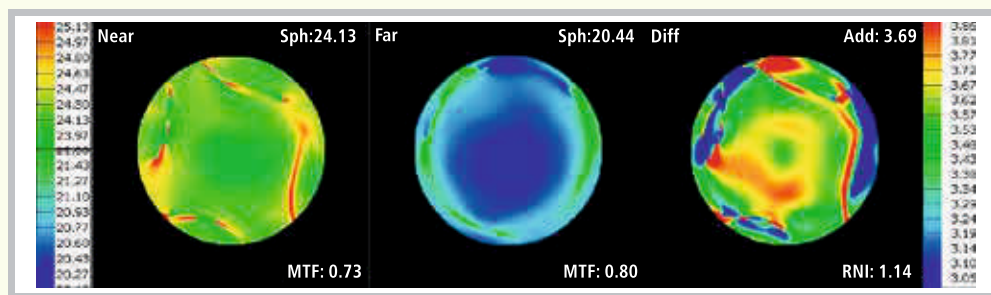
Spherical IOL



Aspheric IOL

## Assured Quality & High Contrast

- 100% Quality check using IOLA-MFD for diffraction, MTF and Airforce target methods
- Each **MULTI DIFF** diffractive-refractive Multifocal IOL is individually tested for MTF



Thanks to latest Nano technology, **MULTI DIFF** IOLs always yield accurate refraction. Aspheric Optics & innovative Diffractive-Refractive design gives high contrast under all light conditions.



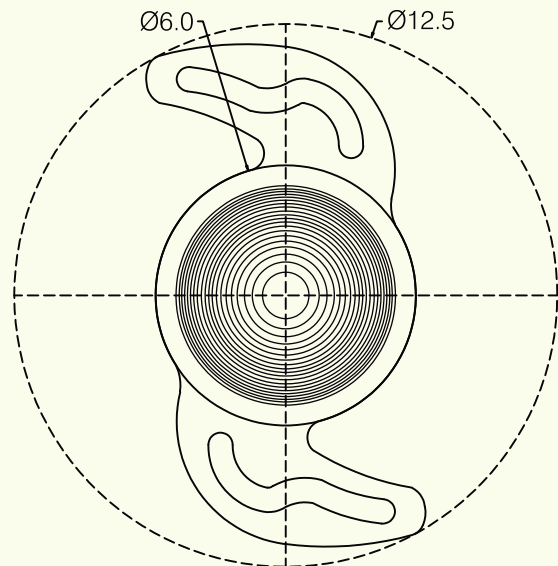
OTHER IOL



MULTI DIFF IOL

## Features

- Good functional vision from all distances
- Excellent patient satisfaction
- Enjoy the crystal clear vision under all light conditions
- Independent of Pupil size



## Technical Specification

Ref	MFD605 (Clear IOL) & MFDY605 (Yellow IOL)
Optic Diameter	6.00 mm
Overall Length	12.50 mm
Optic Type	Diffraction - Refractive Optic
Haptic Angulation	0°
Asphericity	Negative Asphericity on Posterior Surface
Square Edge	360° Square Edge
A-Constant	118.0
Refractive Index	1.46
Diopter Range	0.0D to 35.0 D ( in 0.5D Increments)
Sterilization	Moist Heat Sterilization

Manufactured by

 **AI OPTICS PRIVATE LIMITED,**  
**An ISO 13485:2016 Certified Company**

84/1, Aavin Dairy Farm Road,  
SIDCO Industrial Estate,  
Ambattur, Chennai-600098, INDIA

Marketed by

 **APPASAMY ASSOCIATES**  
**Empowering Vision\***

**APPASAMY ASSOICATES (P) LTD.,**  
20, SBI Officers' Colony, First Street, Arumbakkam, Chennai - 600 106, INDIA  
Tel : (91-44) 30101400, 30101401  
Email: info@appasamy.com Website: www.appasamy.com