



Within the "O&O mdc" Cartridge Family...



IOL INJECTION CARTRIDGES

-  [FlyGlide](#)
-  [FlyGlideMicro](#)

The "O&O mdc" disposable cartridges are moulded from a biocompatible Polypropylene copolymer using a patented low temperature injection technique that ensures the smoothness of the material surface by increasing the amorphous phase.

This, in turn, enhances the gliding effect, but, most importantly, any remaining risk of GMS residue is greatly minimized, resulting in contamination-free lens surfaces.

The slow surface migration of the gliding agent gives our cartridges an accepted expiry date of between two and three years.



FlyGlide and FlyGlideMicro Cartridge: Significant new features:

- ✚ Integral guiding rails for IOL: The tapered, backloading “FlyGlide” and “FlyGlideMicro” cartridges incorporate guide rails for easy loading and optimum positioning of the IOL.
- ✚ “Click” locking mechanism: To ensure that the cartridge flaps, when the IOL is loaded, are securely fastened.
- ✚ Quick release catch: To facilitate re-opening the cartridge flaps should any readjustment to the IOL be required.
- ✚ “V-slit” Tip: To afford a reduced wall thickness for better insertion of the cartridge tip into the wound and the resultant sub-microincision sizes are in keeping with the advances made in “MICS” technology.

Thus the soft, malleable tip has the added potential to reduce the wound tear rate and any ensuing complications. Furthermore, its parallel end “V-slit” tip promotes a more secure surgical docking technique and allows the shift to sub-2-mm microincision.

Available development:

The “O&O mdc” R&D team have developed a simple, yet effective, IOL preloaded cartridge (Fig.1) - The “FlyGlide” and “FlyGlideMicro” cartridge, loaded with a hydrophobic IOL, can be placed in a transparent cartridge holder (Fig.2), which comes complete with a clear magnifying blocker cover for added visual clarity and security.



Fig. 1




Fig. 2

FlyGlide for 2.4 mm incision:

The back loading “FlyGlide” cartridge, used in conjunction with our “EasyShooter” disposable Injector with the soft, yellow silicone stopper, has the customary hydraulic effect on the viscoelastic solution, which uniformly pushes on the IOL. Furthermore, as mentioned above, the “FlyGlide” cartridge has been designed with a parallel end “V-slit” tip which allows a constant incision size, regardless of the insertion depth.

Depending on whether the surgical technique used is docking or traditional, the surgeon is now able to make a microincision of only **1.70 mm** and **2.40 mm**.



Reference	Theoretical Diameters
FG-1517-GA	<ul style="list-style-type: none"> ✚ “V-slit” Tip ✚ Inner Ø: 1.50 mm x 1.70 mm ✚ Outer Ø: 1.80 mm x 2.00 mm 





FlyGlideMicro for Sub-2-mm microincision:

The “FlyGlideMicro” cartridge integrates advanced MICS techniques for sub-micro surgical incisions. In combination with our disposable “EasyShooter” Injector, it has the same hydraulic effect on the viscoelastic solution, where the soft, yellow silicone stopper evenly pushes the IOL through the cartridge funnel.

The “FlyGlideMicro” cartridge includes as standard the parallel end tip and, together with the “V-slit” tip, it allows the surgeon to control the IOL injection via a sub-2-mm microincision of only **1.40 mm** and **2.00 mm** (depending on whether the surgical technique used is docking or traditional).



Use of the sub-2-mm microincision means increased surgical control and lower complication rates, which results in superior patient comfort and speedier recovery.

Reference	Theoretical Diameters
FGM-1400-GA	<ul style="list-style-type: none">  “V-slit” Tip  Inner Ø: 1.35 mm  Outer Ø: 1.65 mm 

Inserting IOL into FlyGlide or FlyGlideMicro Cartridge:








-  Open wide the two cartridge flaps.
-  Spread viscoelastic solution on the inner barrel of the cartridge and on the hinge.
-  As in Fig.1, the IOL is loaded from behind.
-  As in Fig.2, slide the IOL between the guiding rails.
-  Start folding the cartridge flaps whilst gently pressing on the lens to ensure the IOL holds its position in the integral guiding rail inside the cartridge barrel.
-  As in Fig. 3, fold the trailing haptics in towards the optic.
-  As in Fig. 4, ensure that neither the haptics nor the optic get caught between the flaps during the folding process, and then click the two flaps together to close securely.



Fig. 1



Fig. 2

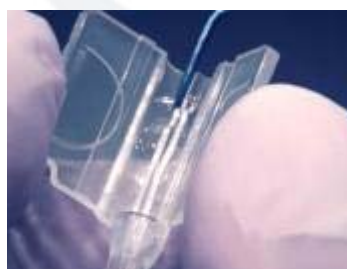


Fig. 3

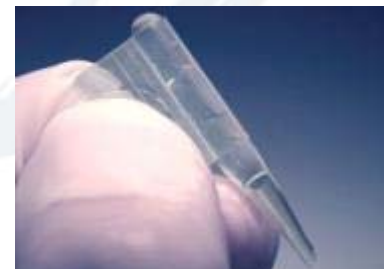


Fig. 4

Using EasyShooter Disposable Delivery System:

The “EasyShooter”, with its “FlyGlide” and “FlyGlideMicro” cartridge, ensures the accuracy of the IOL’s placement during injection, hence eradicating any complications during implantation.

- ✚ Hold the cartridge by the “click”-fastened flaps and insert it into the injector body.
- ✚ As in Fig. 1, lubricate the entrance of the cartridge barrel with viscoelastic, and/or coat the silicone stopper.
- ✚ Avoid IOL dehydration and subsequent cartridge damage by keeping the IOL folded in the cartridge for less than one minute.
- ✚ Gently push the injector stopper until it touches the viscoelastic and the IOL.
- ✚ Apply slight pressure to glide the viscoelastic and the IOL into the cartridge barrel and observe the lens through the translucent injector body.
- ✚ As in Fig. 2, drive the IOL through the cartridge funnel.
- ✚ Insert the cartridge tip in the incision towards the capsulorhexis.
- ✚ As in Fig. 3, deliver the IOL into the patient’s eye by applying an even pressure on the push button. Push the lens through slowly and monitor the release of the IOL from the cartridge carefully, finishing before the yellow silicone stopper reaches the end of the cartridge tip.

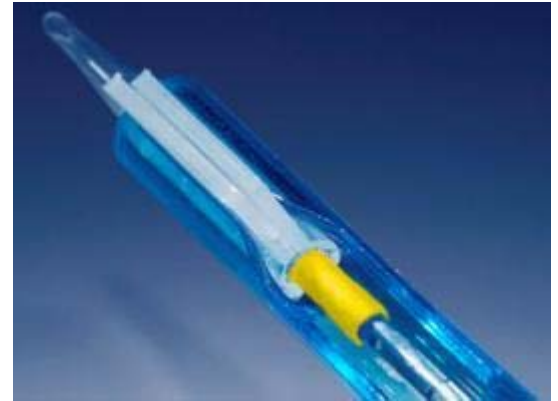


Fig. 1



Fig. 2



Fig. 3

For any queries or comments, please contact:

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Thank you for choosing the “O&Omdc” Disposable IOL Delivery System.