



DIAMATRIX[®]

Diamond Knife Catalog

E-Series Double Bevel

Trapezoid Incision

About Diamatrix Diamond Knives

Diamatrix Diamond Knives are rooted in a legacy of quality, value, and innovation. Since 1992 my family has offered Diamatrix Diamond Knives and service to ophthalmology's premier surgeons. It is because of our valued friends and customers that we have been able to continue our proud tradition of crafting the finest diamond knives available.

Diamatrix Ltd strives for Quality, Value, and Innovation. We achieve these ideals by working in partnership with ophthalmic surgeons and staff to introduce patented technology, such as our Sharps Snap-Safe™ safety handle, E-series diamond knife, and our newest product - the X1 Ready-Loaded Iris Speculum.

We help drive value to hospitals, surgery centers, and physician-owned ASCs by promoting the proper care and cleaning of instruments and carry a full line of products that extend the life of these exquisite devices.

We continue to innovate, working with individuals and foundations throughout the ophthalmic industry to develop new products.

I invite you to visit our website at Diamatrix.com to discover all the products we offer including:

PROTEKT Guarded Stainless Steel Knives,
ExactEtch Stainless Steel Knives and Suture,
Diamatrix Ophthalmic Instruments, and
the X1 Ready Loaded Iris Speculum.

It is my sincerest hope that our products help you deliver exceptional patient care.

A handwritten signature in black ink, appearing to read 'R. Dykes', with a stylized, flowing script.

Ronald E. Dykes, Founder

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Build the Diamond Knife You Want

We invite you to try the only virtual diamond knife builder. Available exclusively on our website. Our Build Your Own Diamond Knife tool is an excellent way to ensure you are selecting the blade and handle configuration you want.

Use our interactive tool to visualize any diamond knife in the catalog to see a lifelike representation of the blade you want. Eliminate the guesswork and try our **Build Your Own Diamond Knife** tool!

BUILD YOUR OWN
OPHTHALMIC DIAMOND KNIFE

VISUAL
KNIFE CUSTOMIZATION



Visit Diamatrix.com/Diamond-Knives

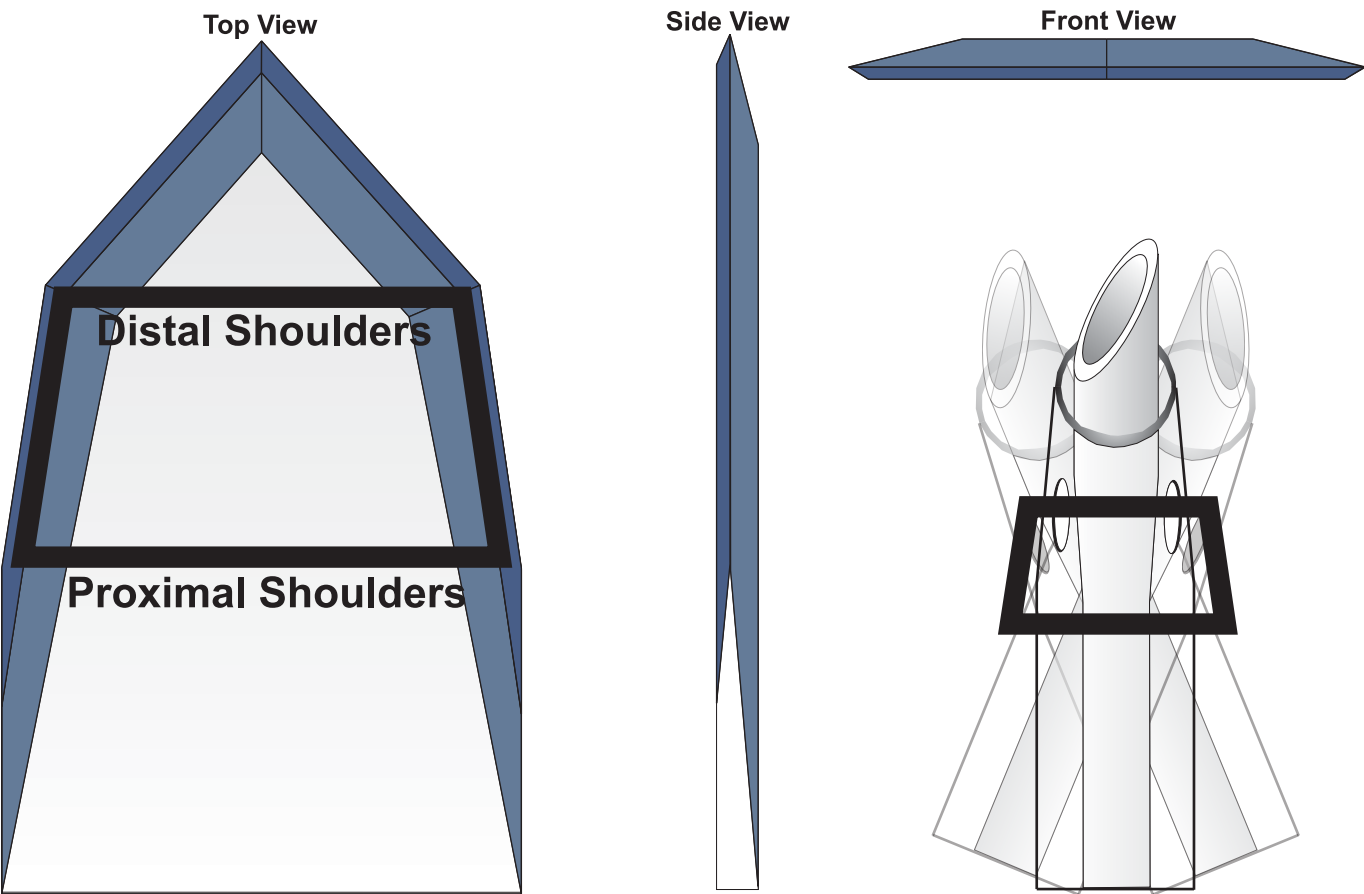
 **DIAMATRIX**
Quality • Value • Innovation

Over 25 years of trusted experience
crafting and repairing diamond knives.

PRIMARY INCISION

Why the Diamatrix E-Series™ Trapezoid is Best

The Diamatrix E-Series™ Trapezoid design uses the latest technology to produce an eccentric, bevel-up configuration while retaining an ultra thin quality. The large sloping superior facets, combined with the smaller inferior facets, counter the geometric dome shape of the cornea, creating a more linear incision. This enables the surgeon to construct a self-planing, self-sealing incision that is less prone to leakage and stretching than conventional blade designs.



NO LEAKS
By combining the E-Series™ design with the Trapezoid design, we have achieved what we believe to be the best possible instrument for making a clear corneal incision. The distal shoulders create the proper incision size to accommodate micro-incision phaco tips. This prevents excessive leakage and shallowing of the anterior chamber during phaco.

INCREASED MANEUVERABILITY
The proximal shoulders create the trapezoid shape that produces an "oarlock" effect. This increases a surgeon's ability to maneuver instruments in the eye and reduces stria, thereby enhancing visualization.

TWO INCISIONS – ONE KNIFE
The E-Series™ Trapezoid shaped incision can be altered to a rectangular shape by reintroducing the blade into the incision and extending the proximal shoulders into the anterior chamber. This eliminates the need for a second diamond knife for enlarging for IOL injectors, if necessary.

THE PERFECT FIT FOR TAPERED INJECTORS
The E-Series™ Trapezoid shaped incision has a synergistic relationship with IOL injectors. The taper of an injector tip is parallel with the taper of the incision. This reduces stretching of the external incision thereby strengthening the integrity of the incision. This eliminates the surgeon's need to enlarge the incision to facilitate delivery of the IOL.

COST-EFFECTIVE
The E-Series™ Trapezoid design allows multiple re-sharpening without reducing the true dimensions of the blade. This makes it more cost effective when compared to a conventional side-sharp keratome.

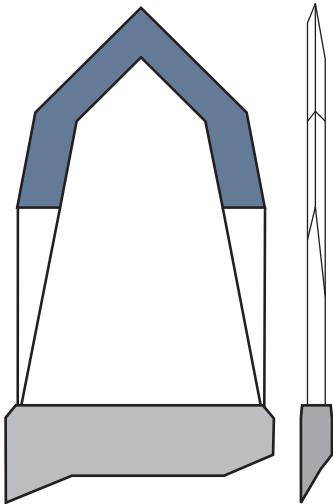
NO ACCIDENTAL ENLARGEMENT
The E-Series™ Trapezoid design has superior and inferior bevels that taper off after the proximal shoulders. This creates a dull side, which prevents the surgeon from accidentally enlarging the wound upon entry and exit. This helps ensure an incision that will not leak during phacoemulsification.

PRIMARY INCISION

E-Series™ Williamson Trapezoid

Diamatrix’s E-Series Williamson Trapezoid design diamond knives are the **premier** choice in blade design. Developed in conjunction with Charles H Williamson, M.D., the Williamson Trapezoid delivers on all the benefits of our eccentric, bevel-up design.

Premium Handle Options			
Blade Width	Straight Handle	Angled Handle	Stepped Handle
	Straight	Angled	4-Step Single Footplate
1.2/1.5mm	N 03880	N 04880	N 05880
1.5/1.8mm	N 03885	N 04885	N 05885
1.9/2.2mm	N 03860	N 04860	N 05860
	Straight	Angled	1-Step Single Footplate
1.9/2.5mm	N 03870	N 04870	N 05870
2.4/2.7mm	N 03854	N 04854	N 05854
2.5/2.9mm	N 03850	N 04850	N 05850
2.7/3.0mm	N 03830	N 04830	N 05830
2.7/3.2mm	N 03820	N 04820	N 05820



Williamson Trapezoid Handle Options

Premium Handles, 100% Titanium, Lifetime Warranty



Straight, Full Extension & Retraction



Angled, Full Extension & Retraction



1-Step with Single Footplate, Calibrated in house at Surgeon’ Choice
+ Full Extension & Retraction

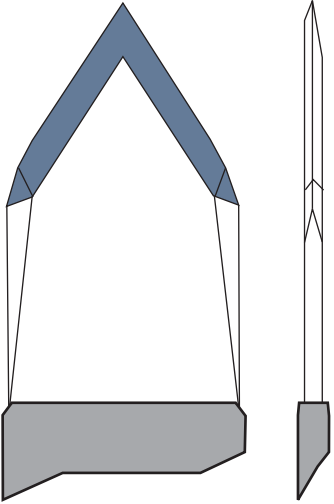


4-Step with Single Footplate, Calibrated Steps at 300, 500, 550, & 600μ
+ Full Extension & Retraction

PRIMARY INCISION

Diamatrix Shepherd MAC Ultimate Control Knives

Designed in conjunction with Dr. John Shepherd, M.D., Las Vegas, NV, our uniquely designed blade features sharp shoulders which transition to non-cutting parallel sides. The sharp shoulders provide the surgeon the ultimate control by preventing accidental enlargement.

		Premium Handle Options		
	Blade Width	Straight Handle	Angled Handle	Stepped Handle
		Straight	Angled	1-Step Single Footplate
	2.2mm	N 03500	N 04500	N 05500
	2.4mm	N 03505	N 04505	N 05505
	2.5mm	N 03510	N 04510	N 05510
	2.65mm	N 03520	N 04520	N 05520
	2.8mm	N 03570	N 04570	N05570
	3.0mm	N 03590	N 04590	N 05590
	3.2mm	N 03560	N 04560	N 05560

E-Series Shepherd MAC Handle Options

Premium Handles, 100% Titanium, Lifetime Warranty



Straight, Full Extension & Retraction



Angled, Full Extension & Retraction



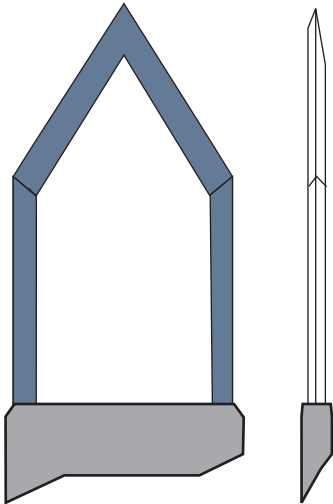
1-Step with Single Footplate, Calibrated in house at Surgeon' Choice
+Full Extension & Retraction

PRIMARY INCISION

Diamatrix Perfect Size Clear Corneal Knives

Diamatrix’s Perfect Size Clear Corneal Knives are crafted to allow the perfect fit of ophthalmic instrumentation. Our Perfect Size Clear Corneal design features sharp, parallel sides ensuring the blade enters the incision site smoothly and making enlargement easy.

Premium Handle Options			
Blade Width	Straight Handle	Angled Handle	Stepped Handle
	Straight	Angled	1-Step Single Footplate
2.2mm	N 03600	N 04600	N 05600
2.4mm	N 03605	N 04605	N 05605
2.5mm	N 03610	N 04610	N 05610
2.65mm	N 03620	N 04620	N 05620
2.8mm	N 03630	N04630	N 05630
3.0mm	N 03640	N 04640	N 05640
3.2mm	N 03650	N 04650	N 05640



Clear Corneal Handle Options

Premium Handles, 100% Titanium, Lifetime Warranty



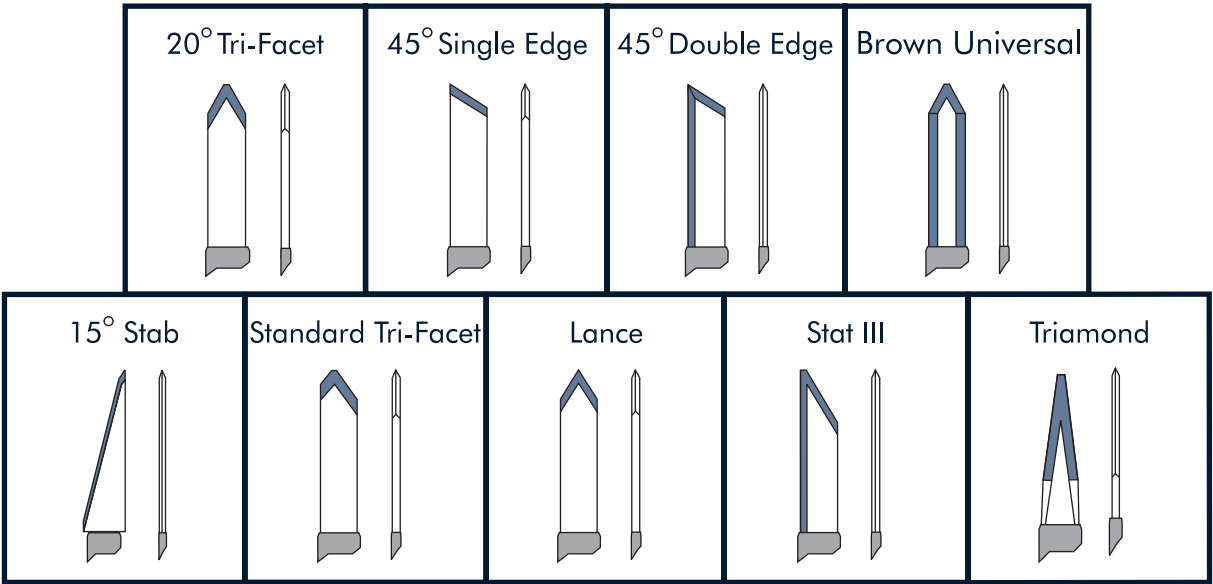
Secondary Incision Knives

Diamatrix Professional Series Secondary Incision Knives

Diamatrix’s Professional Series Secondary Incision Knives feature our longest diamond blade. The longer blade increases the number of times a diamond can be rehoned by 150%. Mount any of these blades in our 100% titanium, premium handles.

For the ultimate utility, we can mount any blade in a stepped handle. Stepped handles allow you to perform flawless grooves and precise LRIs in addition to paracentesis incisions.

Professional Series Diamond Design Options



Professional Series Handle Options

Premium Handles, 100% Titanium, Lifetime Warranty



Straight, Full Extension & Retraction



Angled, Full Extension & Retraction



4-Step with Single Footplate, Calibrated Steps at 300, 500, 550, & 600µ
+ Full Extension & Retraction



4-Step with Double Footplate, Calibrated Steps at 300, 500, 550, & 600µ
+ Full Extension & Retraction

15° Stab

Blade Design	Straight Handle	Angled Handle	Stepped Handle	
	Straight	Angled	Single Footplate	Double Footplate
15° Stab	N 03040	N 04040	N 05040	N 05040E

0.8mm Width Diamond

Blade Design	Straight Handle	Angled Handle	Stepped Handle	
	Straight	Angled	Single Footplate	Double Footplate
20° Tri-Facet	N 03425	N 04425	N 05425	N 05425E
Brown Universal	N 03491	N 04491	N 05491	N 05491E

1.0mm Width Diamond

Blade Design	Straight Handle	Angled Handle	Stepped Handle	
	Straight	Angled	Single Footplate	Double Footplate
20° Tri-Facet	N 03420	N 04420	N 05420	N 05420E
45° Single Edge	N 03421	N 04421	N 05421	N 05421E
45° Double Edge	N 03310	N 04310	N 05310	N 05410E
Brown Universal	N 03490	N 04490	N 05490	N 05490E
Lance	N 03350	N 04350	N 05350	N 05350E
Standard Tri-Facet	N 03410	N 04410	N 05410	N 05410E
Stat III	N 03430	N 04430	N 05430	N 05430E

1.2mm Width Diamond

Blade Design	Straight Handle	Angled Handle	Stepped Handle	
	Straight	Angled	Single Footplate	Double Footplate
20° Tri-Facet	N 03415	N 04415	N 05415	N 05415E
Brown Universal	N 03495	N 04495	N 05495	N 05495E
Triamond	N 03440	N 04440	N 05440	N 05440E

Limbal Relaxing Incision Handles

Diamatrix's versatile LRI Knives are ophthalmology's premier choice for astigmatic correcting incisions. Custom pre-set depth settings allow you to choose your preferred depth of the blade. All Diamatrix LRI Knives are pre-set in our premium, standard, short, or micrometer handles.

For stepped handle options, please review our Professional Series Knives on the previous page.

Standard Pre-set Handle

PERMANENTLY SET TO ANY DESIRED DEPTH

FULL BLADE VISIBILITY FOR CONTROL & ACCURACY

POLISHED FOOTPLATE REDUCES EPITHELIAL DRAG



Short Pre-Set Handle

TRUNCATED HANDLE FOR USE UNDER SLIT LAMP

PERMANENTLY SET TO ANY DESIRED DEPTH

FULL BLADE VISIBILITY FOR CONTROL & ACCURACY

POLISHED FOOTPLATE REDUCES EPITHELIAL DRAG



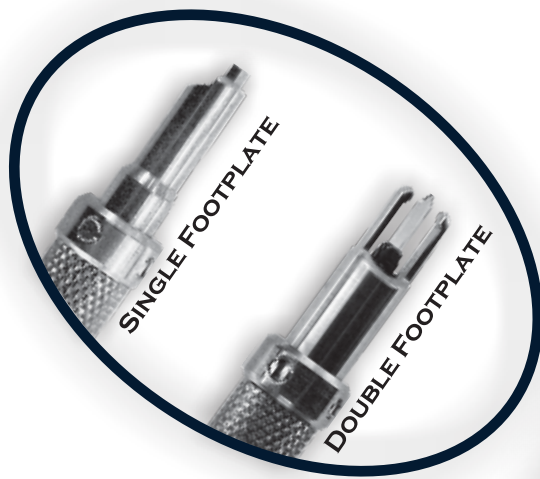
Premium Pre-Set Handle

FULL LENGTH HANDLE

SURGEON'S DEPTH PREFERENCE, FACTORY SET

CHOICE OF A SINGLE OR DOUBLE FOOTPLATE

100% TITANIUM HANDLE, LIFETIME GUARANTEE



Micrometer Handle

PRECISE DEPTH SETTINGS AT
100 MICRON INCREMENTS

FULL RETRACTION FOR DIAMOND PROTECTION

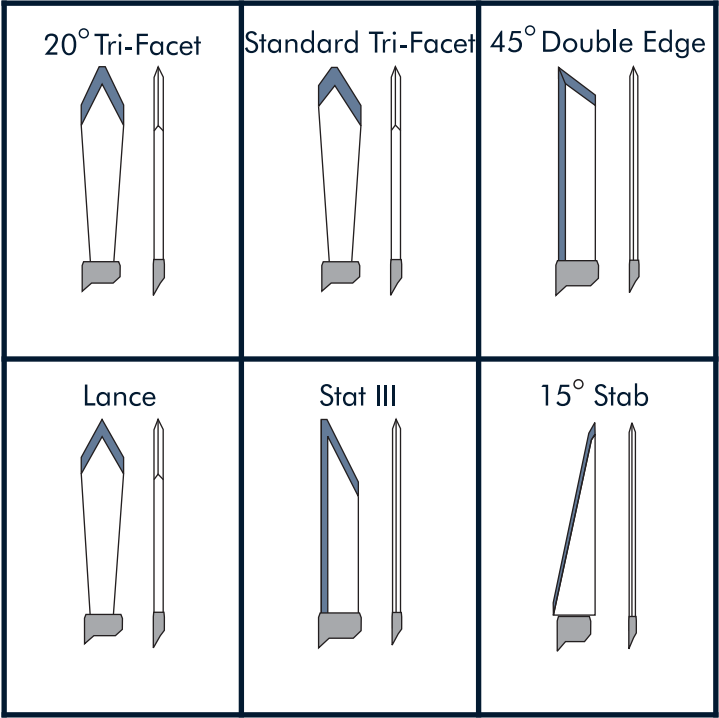
PROVIDED WITH NEUMANN FOOTPLATE

Secondary Incision Knives

Diamatrix LRI & Groove Knives

Diamatrix LRI diamond blades and handles are designed to provide surgeons with a variety of options for making the artful incisions of an LRI or other astigmatic correcting incision. Select any of our pre-configured options below or contact us directly to customize your own LRI knife.


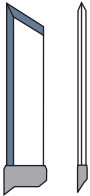
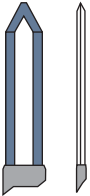
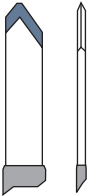
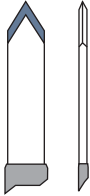
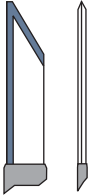
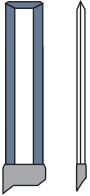
LRI & Groove Diamond Design Options



LRI & Groove Handle Options (Pre-set to Surgeon Preference)				
Blade Design	Standard Handle	Short Handle	Premium Handle	
	Single Footplate	Single Footplate	Single Footplate	Double Footplate
20° Tri-Facet	L 07420	L 07420S	N 07420	N 07420K
Standard Tri-Facet	L 07410	L 07410S	N 07410	N 07410K
45 Double Edge	L 07310	L 07310S	N 07310	N 07310K
Lance	L 07350	L 07350S	N 07350	N 07350K
Stat III	L 07430	L 07430S	N 07430	N 07430K
15° Stab	L 07040	L 07040S	N 07040	N 07040K

Secondary Incision Knives

Micrometer Handle Diamond Knives

				Blade Design	Micrometer Handle
20° Tri-Facet	45° Double Edge	Brown Universal	Standard Tri-Facet		Neuman Footplate
				20° Tri-Facet	N 01420
				45° Double Edge	N 01310
				Brown Universal	N 01490
				Standard Tri-Facet	N 01410
Lance	Stat III	Woody Davis Triple 90°		Lance	N 01350
				Stat III	N 01430
				Triple 90	N 01910

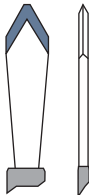

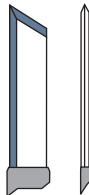
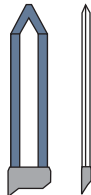


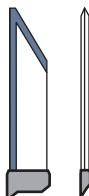
Secondary Incision Knives

Diamatrix Economy Series Secondary Incision Knives

Diamatrix’s Economy Paracentesis Knives deliver the perfect combination of quality and value. The Economy Series are built around a natural diamond, specifically designed to lower cost without sacrificing any of the benefits of a diamond knife.

All diamond blades in the Economy series are 1.0mm wide at the shoulders except where indicated and are 1/2 the length of our professional series blades. The shorter length provides adequate length for potential rehones and allows for a wide array of configurations.

Economy Series Diamond Design Options

20° Tri-Facet 	45° Single Edge 	45° Double Edge 	Brown Universal 
Std. Tri-Facet 	Lance 	Stat III 	

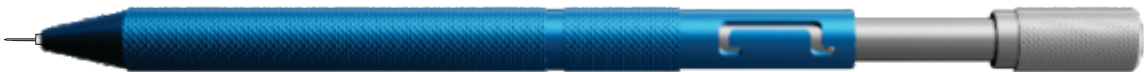
Economy Paracentesis Handle Options



Premium Handle, 100% Titanium, Lifetime Warranty, Straight, Full Extension & Retraction



Premium Handle, 100% Titanium, Lifetime Warranty, Angled, Full Extension & Retraction



Standard Handle, Aluminum & Titanium Construction, 2 year Warranty, Straight, Full Extension & Retraction

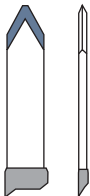



Secondary Incision Knives

Economy Series Diamond Knives

Blade Design	Premium Handles		Standard Handle
	Straight Handle	Angled Handle	Stab Handle
	Straight	Angled	Straight
20° Tri-Facet	N 03420E	N 04420E	L 03420
20° Tri-Facet 1.2mm	-	-	L 03415
20° Tri-Facet 1.3mm	-	-	L 03423
45° Single Edge	N 03421E	N 04421E	L 03421
45° Double Edge	-	-	L 03310
Brown Universal	-	N 04490E	L 03490
Brown Universal 1.2mm	N 03495E	N 04495E	L 03495
Standard Tri-Facet	N 03410E	N 04410E	L 03410
Lance	N 03350E	N 04350E	L 03350
Stat III	N 03430E	N 04430E	L 03430

Economy + Series Diamond Knives

Diamatrix Economy + Series Diamond Knives are our professional full length blade mounted in our standard handle. The Economy + series delivers the value of a longer blade with the assurance of our 2 year warranty on all our standard handles.

				Standard Handle	
				Blade Design	Stab
					Straight
20° Tri-Facet	45° Single Edge	Standard Tri-Facet	Lance	20° Tri-Facet 1.0mm	L 03420P
				45° Single Edge	L 03421P
				Standard Tri-Facet	L 03410P
				Lance	L 03350P

Speciality Diamond Knives

Crescent Diamond Knives

Designed to create a smooth scleral shelf, Diamatrix’s Crescent Knife is available in various blade widths, and mounted in our 100% titanium premium handle.

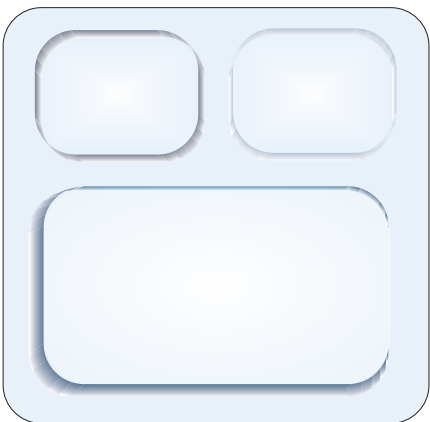
	Blade Width	Knife Description	Item Number
	1.0mm	Crescent Knife, Angled Handle	N 04581
	1.5mm	Crescent Knife, Angled Handle	N 04580
	2.0mm	Crescent Knife, Angled Handle	N 04585

#15 Cosmetic Surgery Knife

Diamatrix #15 Cosmetic Surgery Knife provides a sharper than steel edge enabling a more precise incision and may help promote wound healing. This is a custom order item.

	Blade Width	Description	Item Number
	1.5mm	Cosmetic Surgery Knife, Straight	N 03150C

Diamond Knife Cleaner



Diamatrix DiaClean Cleaning Tray Item # DUL 50 (Box of 6)

Diamatrix highly recommends the DiaClean™ Diamond Knife Cleaning System for cleaning all our diamond knives. Proven safe and effective at removing debris from the surface of diamond blades, the DUL 50 cleaning system allows the safe cleaning of your diamond knives without damage.

NOTES

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NOTES

Diamond Knife Maintenance and Repair

Upon purchase or repair, your diamond knife is enrolled in the Diamatrix Diamond Knife Care Program. The program is our continued commitment to you and ensures that your knife is being properly maintained and cared for. Annually, we will ask you to send your knife in for a complimentary cleaning and inspection. To request service, please visit our website or call us at 800.867.8081. We can also repair any brand diamond knife.



1. YOUR BLADE, SOONER.

When you purchase a Diamatrix Diamond Knife, it's yours to keep. While others swap your blade with whatever they have in stock, we'll get **your** blade back to you in as little as 3-5 days.

2. \$0 ANNUAL INSPECTION.

On the anniversary of your knife's repair or purchase, we'll send a gentle reminder for you to send your knife in for a complimentary annual inspection.

3. A REAL GEM DIAMOND.

We only supply the highest quality Natural Diamonds. We never substitute. Don't settle for inferior substitutions.

4. WE KNOW WHAT'S UP.

ANY BRAND, ANY STYLE, we can fix it. Diamatrix has been the leader in diamond knives since 1993.

5. ICE, ICE, BABY

If there is a problem, Yo, we'll solve it! We're all professionals here. We promise to do whatever we can to make sure you are happy with our service, every time!



Visit Diamatrix.com to Order Online or Learn More.

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