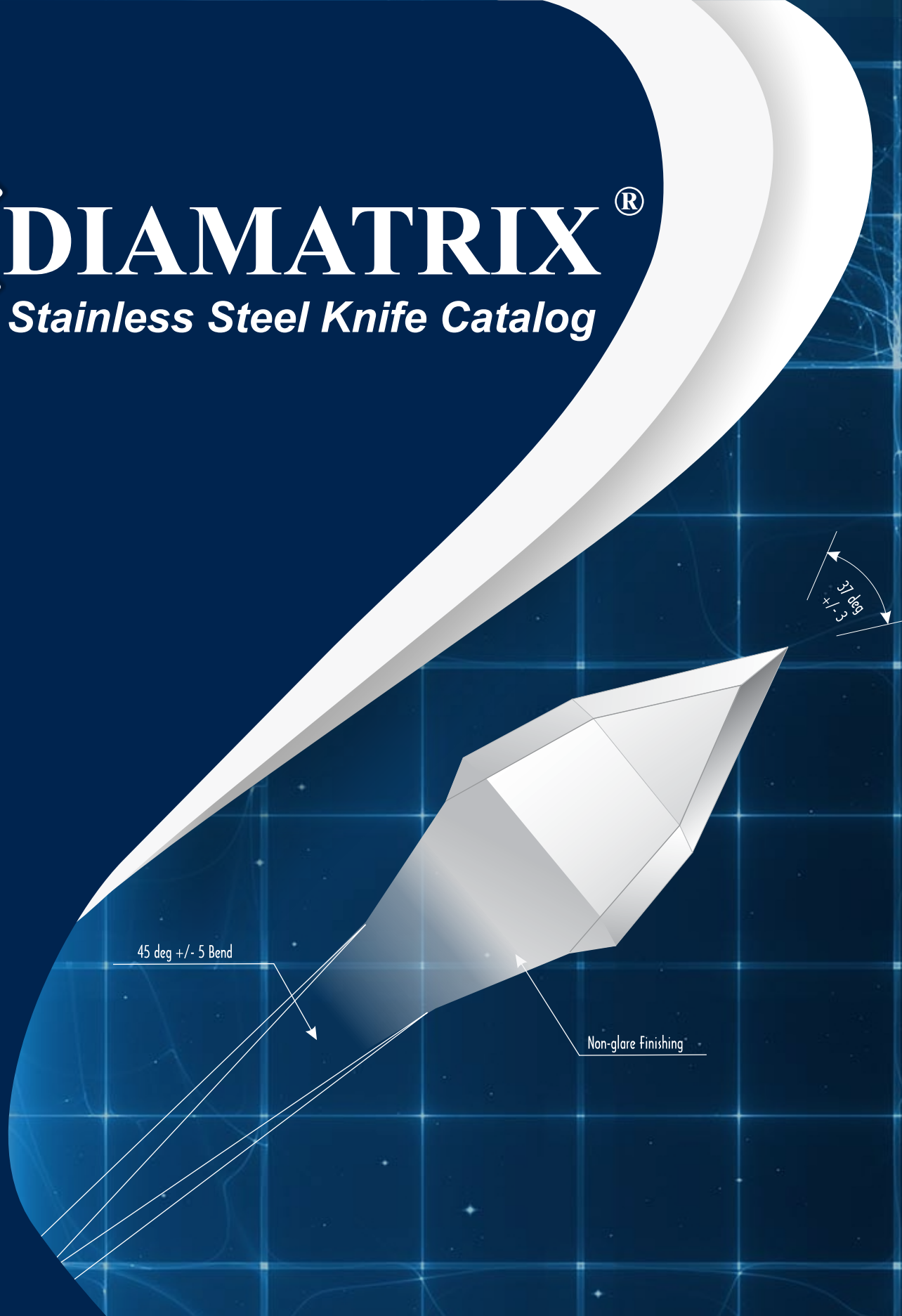


DIAMATRIX[®]

Stainless Steel Knife Catalog



37 deg
+/- 3

45 deg +/- 5 Bend

Non-glare Finishing

 **PROTEKT[™]**
Sharps Safety Knives

 **ExactEtch[™]**
MICROSURGICAL KNIFE

About PROTEKT™ Knives

Sharps Safety is one of the key issues in the medical industry today. With over 8 million workers at risk for a variety of infectious diseases, the United States Congress responded in 2001, resulting in the Needlestick Safety and Prevention Act.

This OSHA standard calls for a variety of measures to improve worker safety, including:

- Mandatory use of sharps safe devices when available
- Non-managerial input on the selection of sharps safe devices
- Annual documentation of the implementation of sharps safe devices

Diamatrix is proud to have offered engineered sharps safety knives prior to the regulations, and we continue to lead the way in the ophthalmic industry with our line of PROTEKT™ Sharps Safety stainless steel knives.

PROTEKT™ Sharps Safety Knives possess unequaled sharpness, multi-use availability, and Sharps Safety features. We believe these knives represent the finest available to the ophthalmic surgeon.

You can have it all....**perfect incisions, CMS compliance** and **OSHA compliance**. Evaluate PROTEKT™ Sharps Safety Knives as part of your Exposure Control Plan today!

About ExactEtch Knives

Diamatrix employs our proprietary process, ExactEtch™ Technology, to manufacture incisional instruments that are consistently sharp and dimensionally precise.

Exact Sharpness

ExactEtch™ Technology's non-grinding process begins by obtaining a high quality stainless steel that is hardened and tempered to a uniform strength and toughness. This process produces a structure that can be finished to ensure a consistently sharp, precise cutting edge.

Exact Consistency

ExactEtch™ Technology virtually assures that the last blade is as sharp and dimensionally precise as the first. The process to form the various configurations utilizes high purity carbon tools that produce a constant product dimension. These precision tools are relatively wear-free compared to the continued variations found in using traditional grinding methods. Our automated manufacturing minimizes operator handling to achieve unparalleled consistency.

Exact Design

ExactEtch™ Technology offers unlimited geometric shapes not readily achievable with traditional grinding methods used to fabricate most steel and diamond incisional instruments. These endless geometries are attained with unprecedented thinness and strict dimensional tolerances.





PROTEKT™

Sharps Safety Knives

PROTEKT™ Primary Incision Knives

PROTEKT™ Williamson Trapezoid™

Our most popular diamond knife design, now available in stainless steel. Our patented trapezoid design enables a self-planing, self-sealing incision with no accidental enlargement. 6 per box.



Blade Width	Description	Multi-Use Item Number	Single-Use Item Number
2.5/2.9mm	Williamson Trapezoid, Angled	PG 44850MU	PG 44850SS
2.7/3.2mm	Williamson Trapezoid, Angled	PG 44820MU	PG 44820SS

PROTEKT™ Micro-Trapezoid Knives

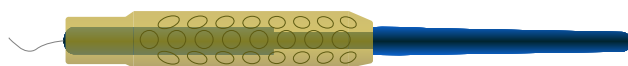
Maintaining our original trapezoid design, our micro-trapezoid knives create a consistently sharp incision with virtually no tissue drag or distortion. 6 per box.



Blade Width	Description	Multi-Use Item Number	Single-Use Item Number
1.9/2.4mm	MicroTrap, Angled	PG 44870MU	PG 44870SS
1.5/2.0mm	MicroTrap, Angled	PG 44880MU	PG 44880SS
1.6/1.8mm	MicroTrap, Angled	PG 44890MU	PG 44890SS

Using the PROTEKT™ Snap-Safe Handle

All Diamatrix PROTEKT™ Sharps Safety Knives feature the security of our patented Snap-Safe Handle. The handle features a translucent, sliding protective sheath that provides tactile, visual and audible feedback when opening and closing the sheath.



TO OPEN

With textured grip pointing away from body, slide grip back until it clicks to expose the blade.



TO CLOSE

With textured grip pointing away from body, slide grip toward blade until it clicks into guarded position.

PROTEKT™ Primary Incision Knives

PROTEKT™ Single Bevel Slit Knives

A staple in cataract surgery, the single bevel slit knife is the most commonly used knife. Our single bevel slit knives feature thin profiles to reduce drag and tissue distortion. 6 per box.



Blade Width	Description	Multi-Use Item Number	Single-Use Item Number
2.4mm	Slit, Single Bevel, Angled	PG 44515MU	PG 44515SS
2.5mm	Slit, Single Bevel, Angled	PG 44525MU	PG 44525SS
2.75mm	Slit, Single Bevel, Angled	PG 44535MU	PG 44535SS
3.0mm	Slit, Single Bevel, Angled	-	PG 44545SS

PROTEKT™ Double Bevel Slit Knives

Our double bevel slit knives track straight and are designed for a parallel approach to the cornea. This design reduces induced astigmatism when compared to the single bevel. 6 per box.



Blade Width	Description	Multi-Use Item Number	Single-Use Item Number
2.2mm	Slit, Double Bevel, Angled	PG 44620MU	PG 44620SS
2.4mm	Slit, Double Bevel, Angled	PG 44650MU	PG 44650SS
2.5mm	Slit, Double Bevel, Angled	PG 44630MU	PG 44630SS
2.65mm	Slit, Double Bevel, Angled	PG 44640MU	PG 44640SS

PROTEKT™ Clear Corneal Knives

Ultra-thin, tapered, non-symmetrical bevels, enable a straight, self-sealing incision that helps eliminate induced astigmatism. Sightlines on the tip are at 1.5, 1.75, and 2.0mm. 6 per box.



Blade Dimension	Description	Multi-Use Item Number	Single-Use Item Number
2.75mm	Clear Corneal, Angled	PG 44570MU	PG 44570SS
2.85mm	Clear Corneal, Angled	PG 44610MU	PG 44610SS
3.0mm	Clear Corneal, Angled	PG 44590MU	-





ExactEtch™ Primary Incision Knives

ExactEtch™ Micro-Trapezoid

Our most popular diamond knife design, now available in stainless steel. Our trapezoid design enables a self-planing, self-sealing incision with no accidental enlargement. 6 per box.



Trapezoid

Blade Width	Description	ExactEtch™ Item Number
1.9/2.4mm	Trapezoid Knife, Angled	2620K

ExactEtch™ Clear Corneal Knives

Ultra-thin, tapered, non-symmetrical bevels, enable a straight, self-sealing incision that helps eliminate induced astigmatism. 6 per box.



Clear Corneal

Blade Width	Description	ExactEtch™ Item Number
2.65mm	Clear Corneal Knife, Angled	2505K
2.75mm	Clear Corneal Knife, Angled	2510K
2.85mm	Clear Corneal Knife, Angled	2515K
3.0mm	Clear Corneal Knife, Angled	2520K

ExactEtch™ Clear Corneal (Side-Cutting) Knives

Similar to our Clear Corneal Knives but with center cutting edges with side cutting ability. 6 per box.



Clear Corneal
Parallel Sides

Blade Dimension	Description	ExactEtch™ Item Number
2.65mm	Clear Corneal, Side Cut, Angled	2560K
2.75mm	Clear Corneal, Side Cut, Angled	2565K

PROTEKT™ Secondary Incision Knives

PROTEKT™ Paracentesis Knives

Designed to create consistent, accurate and self-sealing side-port incisions. 6 per box.



Blade Width	Description	Multi-Use Item Number	Single-Use Item Number
0.8mm	MVR Style Paracentesis, Angled	PG 44340MU	PG 44340SS
1.1mm	MVR Style Paracentesis, Angled	PG 44350MU	PG 44350SS
1.4mm	MVR Style Paracentesis, Angled	PG 44360MU	PG 44360SS

PROTEKT™ Stab Knives

Simple and effective. Crafted with a superbly sharp tip for easy penetration. 6 per box.



Blade Dimension	Description	Multi-Use Item Number	Single-Use Item Number
15°	Stab, Straight Handle	PG 43040MU	PG 43040SS

PROTEKT™ Crescent Knives

PROTEKT™ Crescent Knives

Designed to create a smooth scleral shelf, Diamatrix's crescent knife delivers consistent sharpness, helping to eliminate tissue drag and promote a self-sealing incision. 6 per box.



Blade Width	Description	Multi-Use Item Number	Single-Use Item Number
2.0mm	Single Bevel-Up, Angled	PG 44585MU	PG 44585SS

DID YOU KNOW?

Diamatrix was the first to offer CMS compliant multi-use guarded knives for ophthalmology. The PROTEKT brand remains one of two ophthalmic knife companies listed on the Healthcare Worker Safety Center, Safety-Engineered Device list.

EX SERIES

An evolution in stainless steel design, Diamatrix's EX Series offers a narrow angle tip for easier penetration, bevels specifically designed to reduce incisional drag, and a familiar 2.0mm sight-line.

ExactEtch™ Primary Incision Knives

ExactEtch™ Ex Series Slit Knives, Bevel-Up

The ultimate in bevel-up slit knife design, the thin and precise slit knife penetrates easily while creating an accurate width incision for the optimal phaco-tip fit. 6 per box.



Blade Width	Description	ExactEtch™ Item Number
2.2mm	Slit Knife, Single Bevel, Angled	2340K
2.4mm	Slit Knife, Single Bevel, Angled	2341K
2.75mm	Slit Knife, Single Bevel, Angled	2342K

ExactEtch™ Ex Series Slit Knives, Double Bevel

The EX series double bevel design improves upon the standard slit by allowing for a straight track, self-sealing incision that reduces induced astigmatism. 6 per box.



Blade Width	Description	ExactEtch™ Item Number
2.2mm	Slit Knife, Double Bevel, Angled	2350K
2.4mm	Slit Knife, Double Bevel, Angled	2351K
2.75mm	Slit Knife, Double Bevel, Angled	2352K

ExactEtch™ Primary Incision Knives

ExactEtch™ Standard Slit Knives, Bevel-Up

A staple in cataract surgery, the single bevel slit knife is the most commonly used knife. Our single bevel slit knives feature thin profiles to reduce drag and tissue distortion. 6 per box.



Blade Width	Description	ExactEtch™ Item Number
1.8mm	Slit Knife, Single Bevel, Angled	2374K
2.0mm	Slit Knife, Single Bevel, Angled	2376K
2.5mm	Slit Knife, Single Bevel, Angled	2305K
2.65mm	Slit Knife, Single Bevel, Angled	2310K
2.75mm	Slit Knife, Single Bevel, Angled	2315K
2.85mm	Slit Knife, Single Bevel, Angled	2320K
3.0mm	Slit Knife, Single Bevel, Angled	2325K
3.2mm	Slit Knife, Single Bevel, Angled	2330K

ExactEtch™ Standard Slit Knives, Double Bevel

Our double bevel slit knives track straight and are designed for a parallel approach to the cornea. This design reduces induced astigmatism when compared to the single bevel. 6 per box.



Blade Width	Description	ExactEtch™ Item Number
2.2mm	Slit Knife, Double Bevel, Angled	2300K
2.4mm	Slit Knife, Double Bevel, Angled	2380K

DID YOU KNOW?

Diamatrix's first product was the 2.7/3.2mm Williamson Trapezoid Diamond Knife. Diamatrix played a key role in developing cutting instruments that paved the way for modern cataract surgery. Today, we continue to innovate by working with ophthalmologists world-wide to develop new and innovative ophthalmic products that deliver value and quality to surgeons.

ExactEtch™ Secondary Incision Knives

ExactEtch™ Paracentesis Knives

Designed to create consistent, accurate and self-sealing side-port incisions. 6 per box.



Paracentesis
MVR Style

Blade Width	Description	ExactEtch™ Item Number
0.8mm	MVR Style Paracentesis, Angled	2188K
1.0mm	MVR Style Paracentesis, Angled	2185K
1.1mm	MVR Style Paracentesis, Angled	2175K
1.2mm	MVR Style Paracentesis, Angled	2180K
1.4mm	MVR Style Paracentesis, Angled	2170K

ExactEtch™ Stab Knives

A simple design with a sharp tip designed for easy penetration. 6 per box.



Stab

Blade Dimension	Description	ExactEtch™ Item Number
15 deg	Sharp Tip Stab, Straight	2105K
22.5 deg	Sharp Tip Stab, Straight	2110K
30 deg	Sharp Tip Stab, Straight	2115K
45 deg	Sharp Tip Stab, Straight	2120K

ExactEtch™ Restricted Depth Stab Knives

Same exceptional stab blade design, but restricted to a set depth. 6 per box.




Stab

Blade Dimension	Description	ExactEtch™ Item Number
15 deg	Stab, 3mm Restricted Depth	2125K
15 deg	Stab, 5mm Restricted Depth	2130K
15 deg	Stab, 3mm Restricted Depth, Tip Only	2126K
15 deg	Stab, 5mm Restricted Depth, Tip Only	2131K

ExactEtch™ Secondary Incision Knives


ExactEtch™ Precision Depth Groove and LRI Knives

A single formed knife designed with precise dimensions and dual cutting edges to allow for bi-directional incisions when creating Groove or Limbal Relaxing Incisions. 6 per box.

 Precision Depth	Blade Dimension	Description	ExactEtch™ Item Number
	300μ	Precision Depth Knife, Straight	2161K
	350μ	Precision Depth Knife, Straight	2162K
	550μ	Precision Depth Knife, Straight	2163K
	600μ	Precision Depth Knife, Straight	2160K
	300μ	Restricted Depth Knife*, Straight <small>*Knife Design Not Pictured</small>	2150K

ExactEtch™ Vitrectomy Knives

ExactEtch™ vitrectomy knives allow surgeons to create precise incisions that may virtually eliminate wound leaks around probes and other posterior segment instruments. 6 per box.

 Paracentesis MVR Style	Blade Dimension	Description	ExactEtch™ Item Number
	19ga	MVR, Vitrectomy, Straight	2710K
	20ga	MVR, Vitrectomy, Straight	2705K
	20ga	MVR, Vitrectomy, Angled	2700K
	23ga	MVR, Vitrectomy, Straight	2720K
	23ga	MVR, Vitrectomy, Angled	2715K

DID YOU KNOW?

The gage sizes of many of our vitrectomy knives cross to one of our paracentesis knives. For example, if you're looking for a 19ga in an angled handle, you can use our cross-reference table below to help find the knife that is right for you.

Metric Diameter	Approx. USP Gauge Size	ExactEtch™ Item Number	PROTEK™ Item Number
0.8mm	23ga	2188K	PG 44340MU/SS
1.0mm	22ga	2185K	-
1.1mm	21ga	2175K	PG 44350MU/SS
1.2mm	20ga	2180K	-
1.4mm	19ga	2170K	PG 44360MU/SS

ExactEtch™ Crescent, Specialty, and Implant Knives

ExactEtch™ Speciality and Implant Knives

Designed to create a smooth scleral shelf, Diamatrix's crescent knife delivers consistent sharpness, helping to eliminate tissue drag and promote a self-sealing incision. 6 per box.

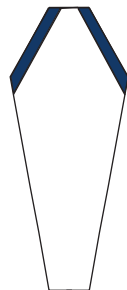


Crescent

Blade Width	Description	ExactEtch™ Item Number
2.0mm	Crescent Knife, Bevel-Up, Angled	2210K
2.0mm	Crescent Knife, Bevel-Up, Straight	2205K
1.25mm	Mini-Crescent, Bevel-Up, Angled	2220K

ExactEtch™ Implant Knives

ExactEtch™ Implant knives are precisely designed to widen the initial primary incision to better facilitate insertion of non-foldable and other larger lenses. 6 per box.



Implant

Blade Width	Description	ExactEtch™ Item Number
4.0mm	Implant Knife, Angled	2405K
5.5mm	Implant Knife, Angled	2411K

ExactEtch™ Speciality Knives

Speciality Knives are for various techniques and procedures. 6 per box.

Blade Type	Description	ExactEtch™ Item Number
Scleral Blade	Scleral Blade, Straight, Tip Only	2957K
Micro-Blade	Micro-Blade, Sharp Sides, Tip Only	2969K





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www.tecnoimagen.com.ar | 0810 333 8273

Visit Diamatrix.com to Order Online or Learn More.

Diamatrix LTD, 210 Nursery Road, The Woodlands, TX 77380 USA
Phone: 281.367.8081 ♦ 800.867.8081 (USA and Canada Only) ♦ Fax: 281.292.5481

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