



Elevating Choice in Suture for Animal Health



SURGICAL
SPECIALTIES
by **corza**medical

Remarkable Service. Trusted Performance. Outstanding Value.

Surgical Specialties Corporation, a trusted partner in medical devices for over 40 years, is now part of Corza Medical, a new medical device company and a leading provider of advanced surgical products and technologies. Our mission is to champion the surgical community with outstanding products and remarkable service that save time, money, and effort.

As the world’s largest independent suture manufacturer, Corza Medical manufactures premium performance wound closure products for a broad range of surgical specialties. With an expanding platform of industry-leading brands, Corza Medical is pleased to offer precision products in Animal Health including Quill® barbed sutures and TruStitch™ veterinary sutures delivering superior performance and market innovation with proven value.

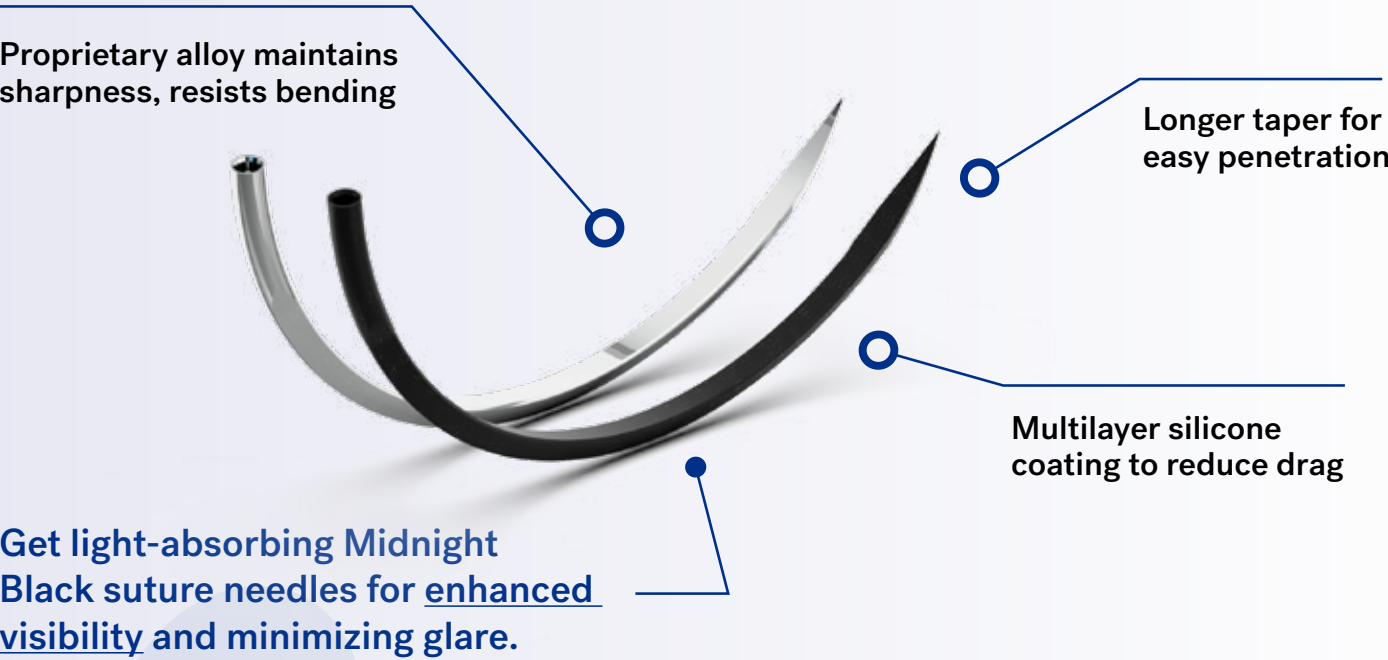


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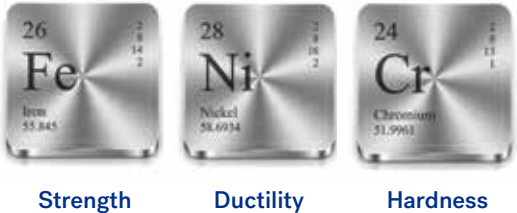
Advanced Needle Technology

Corza Medical has been at the forefront of automation in needle manufacturing, with German-designed robotics delivering unmatched consistency. For over 20 years, our needles have been engineered for strength, sharpness, and ductility providing consistency with each pass.



Proprietary Stainless Steel Alloy

Our needles are forged from an alloy of Iron, Nickel, and Chromium. Each element serves a role in delivering strength, ductility, and hardness.



Needle Types

TruStitch™ Quill® Vet Ethicon™ Medtronic™

Precision Reverse Cutting Needles ▽

3/8 Circle			
P-3		P-3	P-13
PS-2		PS-2	P-12
PS-1		PS-1	P-14
			13mm
			19mm
			24mm

Reverse Cutting Needles ▽

3/8 Circle			
FS-2*	FS-2	FS-2	C-13
FS-1*	FS-1	FS-1	C-14
FSL	FSL	FSL	C-16
FSLX*		FSLX	C-17
			19mm
			24mm
			30mm
			36mm
1/2 Circle			
CP-2*	CP-2	CP-2	GS-10
CP-1*	CP-1	CP-1	GS-11
CP*	CP	CP	GS-12
			26mm
			36mm
			40mm

Taper Point Needles ●

1/2 Circle			
RB-1*	RB-1	RB-1	CV-23
SH-1*	SH-1	SH-1	CV-25
SH*	SH	SH	V-20
CT-2*	CT-2	CT-2	GS-22
CT-1*	CT-1	CT-1	GS-21
			17mm
			22mm
			26mm
			26mm
			36mm

Straight Cutting Needles ▽

KS		KS	SC-2	60mm
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*Available in low-glare TruStitch Black Needles

Material guide

Absorbable Suture

MATERIAL TYPE		IN VIVO STRENGTH RETENTION	MASS ABSORPTION
MONODERM™ (Polyglycolic acid and e-caprolactone)		42% to 76% at 7 days 36% to 52% at 14 days	Essentially complete by <u>90 days</u>
PDO™ (Polydiocanone)		80% to 90% at 14 days 60% to 82% at 28 days 47% to 79% at 42 days	Essentially complete between <u>180-220 days</u>
POLYSYN™ (Polyglycolic acid)		50% at 14 days 20% at 21 days	Essentially complete between <u>50-90 days</u>
CHROMIC GUT		Varies	Varies

Non-Absorbable Suture

MATERIAL TYPE		IN VIVO STRENGTH RETENTION	MASS ABSORPTION
NYLON		Permanent	Permanent
POLYPROPYLENE		Permanent	Permanent

Suturing Made Easier.

Speed of a running stitch.
Security of an interrupted stitch.

Choose from a versatile portfolio of over 200 skus.

Various suture lengths and USP sizes per configuration that are available in Monoderm, PDO and Polypropylene materials.



Color-coded foil blister for easy identification.

The single barrier foil blister reduces waste. Easy-to-read labels cover entire pouch.

Minimal suture memory with the tray.

Environmentally friendly with recyclable polypropylene tray

Labelled tray for easy and quick identification in the sterile field



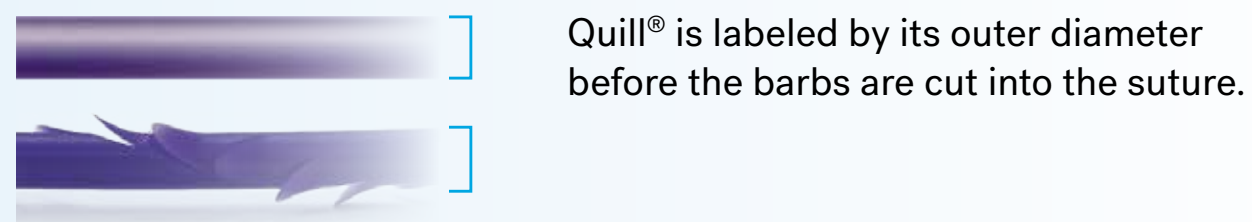
Secures all suture needles: single, double and straight

Create a better wound healing environment with a watertight close.

- ✓ No knots to bury, eliminating irritation caused by suture tags.
- ✓ Intuitive, easy to use design with no change to standard technique of running suture.



Determined by the OUTER diameter



Only Quill® Veterinary has true USP Sizing

For example, when a size 2-0 Quill® Veterinary is manufactured, it starts with a standard USP size 2-0 suture thread. It is then barbed and remains labeled as 2-0 USP.

USP size	Quill® equivalent strength
5-0	6-0
4-0	5-0
3-0	4-0
2-0	3-0
0	2-0
1	0

Just as knot reduces the tensile strength of a traditional suture, a barb will also reduce the tensile strength. To achieve the same functional USP strength, we recommend upsizing by one USP size.

Choose your material.

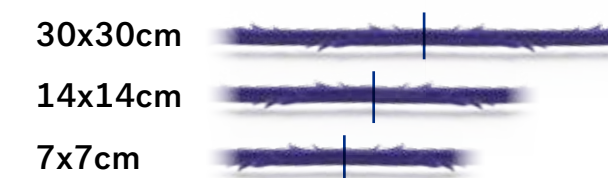
Mid-Term Absorbable Monoderm™ (PGA-PCL)	Long-Term Absorbable PDO (polydioxanone)	Non-Absorbable Polypropylene
Monofilament Dyed (Violet) Essentially complete in 90-120 days	Monofilament Dyed (Violet) Essentially complete by 180 days	Monofilament Dyed (Blue) Permanent

Choose your style and length.

Variable Loop Lengths



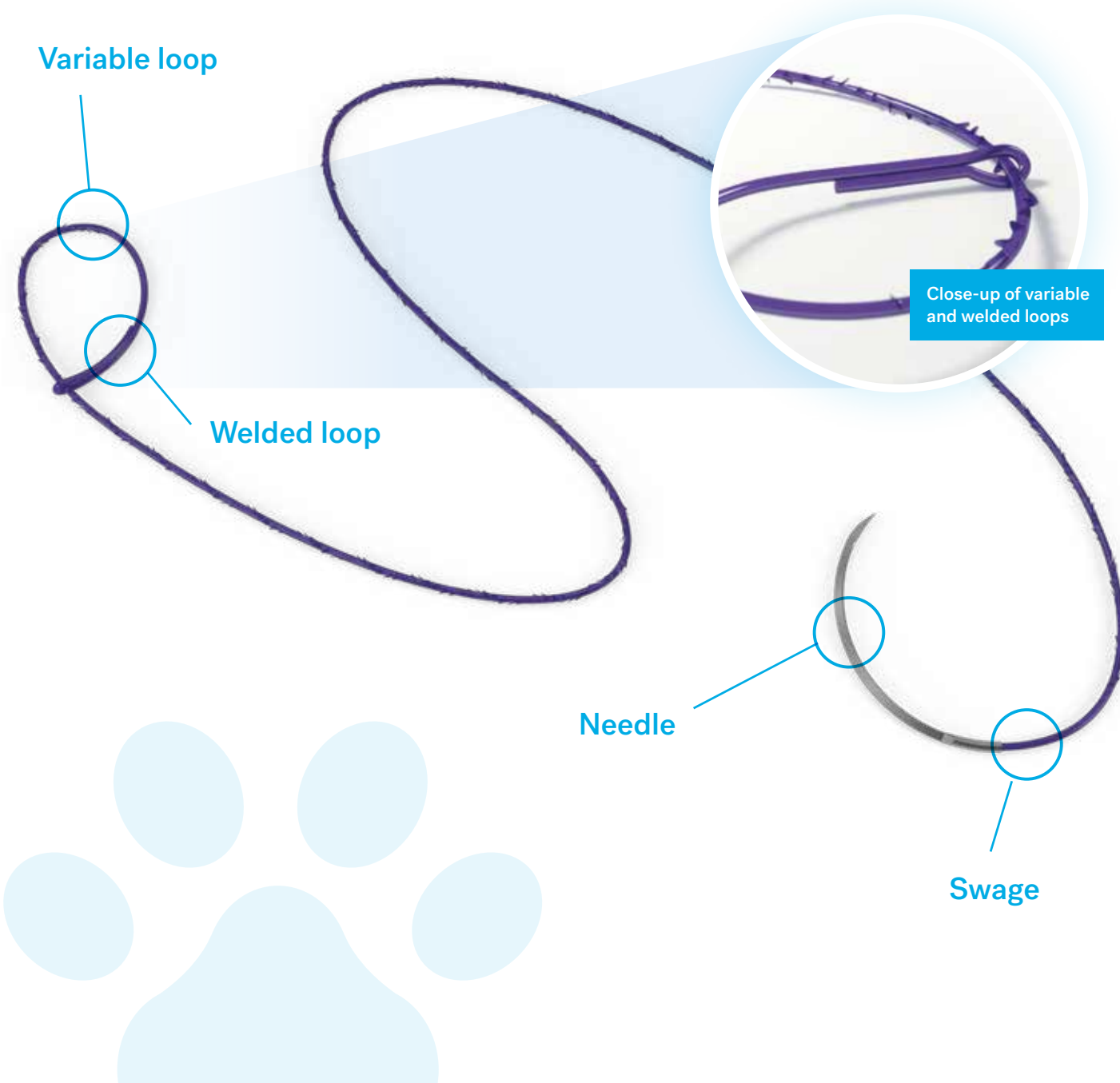
Bi-directional Lengths



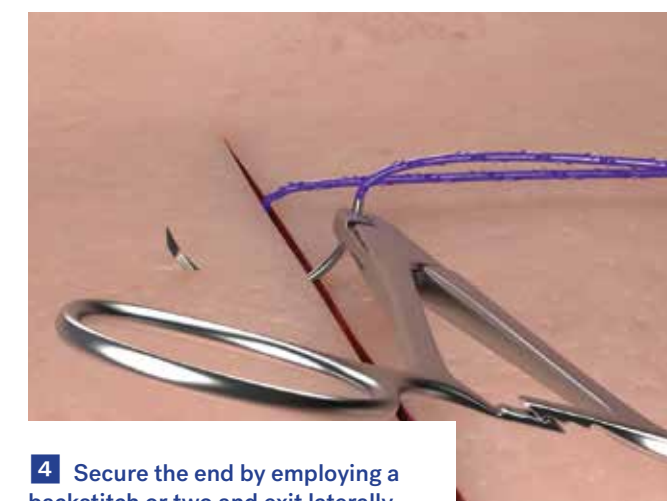
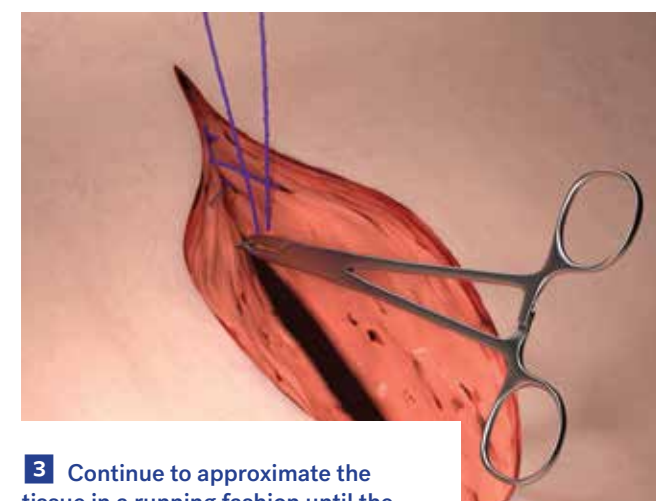
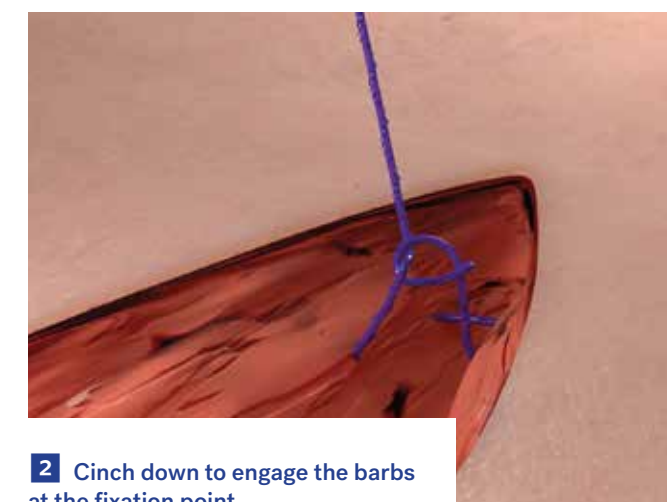
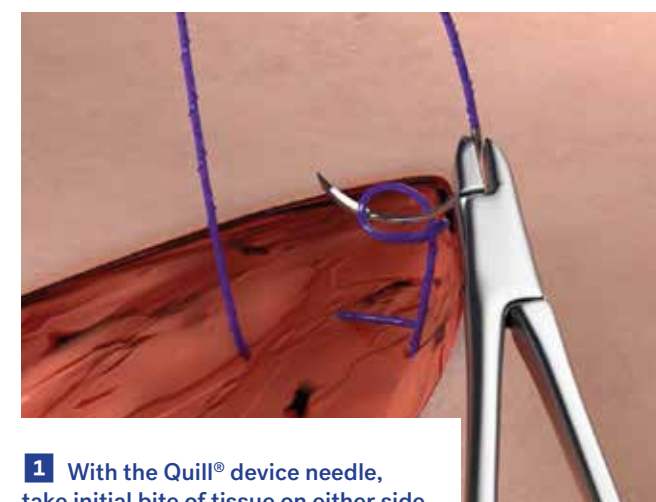
Quill® Veterinary Variable Loop

Quill® **Uni-directional** barbs are cut in one direction in a helical fashion (in a spiral) around the strand.

Variable loop is used for the anchor point.



Basic technique for the Quill® Variable Loop



Barbed suture absorption profile

Description	Effective wound support	Absorption Time	Quill® Veterinary	Ethicon™	Medtronic™
Mid-Term	42% to 76% at 7 days	90-120 Days	Quill® Monoderm	Stratafix™ Monocryl	V-Loc™ 90
	36% to 52% at 14 days				
Long-Term	80% at 2 weeks 60% at 4 weeks 40% at 6 weeks	Minimal until approximately 120 days Essentially complete by 180 days	Quill® PDO	Stratafix™ PDS	V-Loc™ 180
Permanent	Permanent	Permanent	Quill® Polypropylene	Stratafix™ Polypropylene	V-Loc™ PBT

Mid-Term Monoderm™ Variable Loop

ABSORBABLE

NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Reverse Cutting Needle 							
 FS-2 19mm ⅜ circle	Violet	20cm	YA032R5				
		30cm	YA033R5				
		60cm	YA036R5				
 FS-1 24mm ⅜ circle	Violet	20cm	YA032R6	YA022R6			
		30cm	YA033R6	YA023R6			
		60cm	YA036R6	YA026R6			
 FS 26mm ⅜ circle	Violet	20cm		YA022R7			
		30cm		YA023R7			
		60cm		YA026R7			
 FSL 30mm ⅜ circle	Violet	20cm			YA02R8		
		30cm			YA03R8		
		60cm			YA06R8		
 CP-2 26mm ½ circle	Violet	20cm			YA02R14	YA12R14	
		30cm			YA03R14	YA13R14	
		60cm			YA06R14	YA16R14	
 CP-1 36mm ½ circle	Violet	20cm				YA12R15	
		30cm				YA13R15	
		60cm				YA16R15	

Mid-Term Monoderm™ Variable Loop

ABSORBABLE

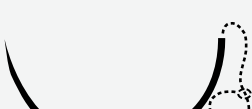
NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Taper Point Needle 							
 RB-1 17mm ½ circle	Violet	20cm	YA032T2	YA022T2			
		30cm	YA033T2	YA023T2			
		60cm	YA036T2	YA026T2			
 SH-1 22mm ½ circle	Violet	20cm		YA022T3			
		30cm		YA023T3			
		60cm		YA026T3			
 SH 26mm ½ circle	Violet	20cm		YA022T4			
		30cm		YA023T4			
		60cm		YA026T4			
 CT-2 26mm ½ circle	Violet	20cm			YA02T6		
		30cm			YA03T6		
		60cm			YA06T6		
 CT-1 36mm ½ circle	Violet	20cm				YA12R7	
		30cm				YA13R7	
		60cm				YA16R7	

10 *As with traditional sutures, Quill barbed suture size is determined by its OUTER diameter. It is therefore recommended that when using Quill barbed suture, you upsize by one USP compared with traditional suture. For example if previously using a 3-0 traditional suture, we recommend using a 2-0 Quill barbed suture.

*As with traditional sutures, Quill barbed suture size is determined by its OUTER diameter. It is therefore recommended that when using Quill barbed suture, you upsize by one USP compared with traditional suture. For example if previously using a 3-0 traditional suture, we recommend using a 2-0 Quill barbed suture.

Long-Term PDO™ Variable Loop

ABSORBABLE

NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Reverse Cutting Needle							
 FS-1 24mm ¾ circle	Violet	20cm	RA032R6	RA022R6			
		30cm	RA033R6	RA023R6			
		60cm	RA036R6	RA026R6			
 FSL 30mm ¾ circle	Violet	20cm			RA02R8		
		30cm			RA03R8		
		60cm			RA06R8		
 CP-2 26mm ½ circle	Violet	20cm			RA02R14	RA12R14	
		30cm			RA03R14	RA13R14	
		60cm			RA06R14	RA16R14	
 CP-1 36mm ½ circle	Violet	20cm				RA12R15	
		30cm				RA13R15	
		60cm				RA16R15	
 CP 40mm ½ circle	Violet	20cm					RA22R16
		30cm					RA23R16
		60cm					RA26R16

Long-Term PDO™ Variable Loop

ABSORBABLE

NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Taper Point Needle							
 RB-1 17mm ½ circle	Violet	20cm	RA032T2	RA022T2			
		30cm	RA033T2	RA023T2			
		60cm	RA036T2	RA026T2			
 SH-1 22mm ½ circle	Violet	20cm		RA022T3			
		30cm		RA023T3			
		60cm		RA026T3			
 SH 26mm ½ circle	Violet	20cm		RA022T4			
		30cm		RA023T4			
		60cm		RA026T4			
 CT-2 26mm ½ circle	Violet	20cm			RA02T6		
		30cm			RA03T6		
		60cm			RA06T6		
 CT-1 36mm ½ circle	Violet	20cm				RA12T7	RA22T7
		30cm				RA13T7	RA23T7
		60cm				RA16T7	RA26T7

Polypropylene Variable Loop

NON-ABSORBABLE

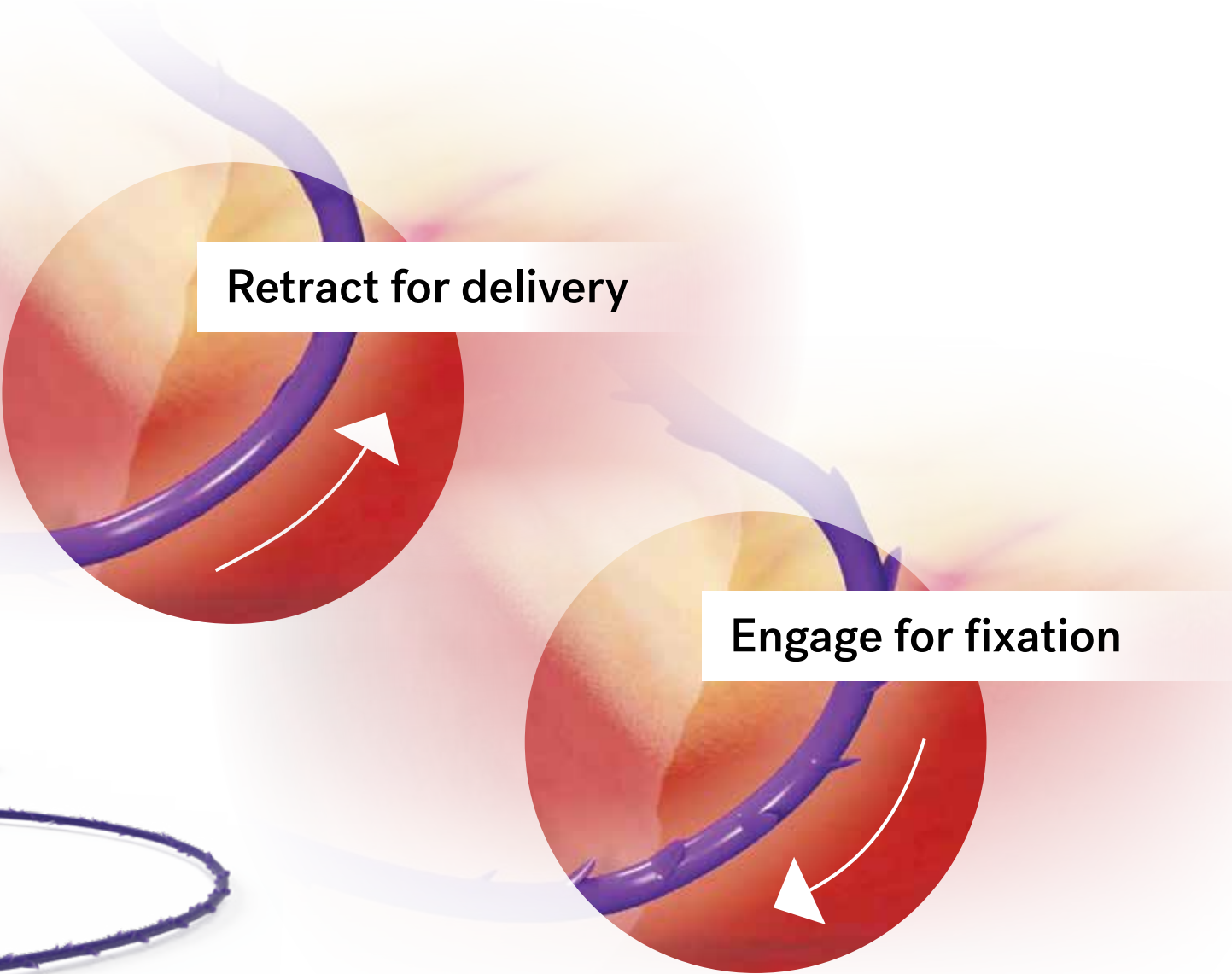
NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Reverse Cutting Needle							
 FS-1 24mm ⅜ circle	Blue	20cm	JA032R6	JA022R6			
		30cm	JA033R6	JA023R6			
		60cm	JA036R6	JA026R6			
 FS 26mm ⅜ circle	Blue	20cm			JA02R8		
		30cm			JA03R8		
		60cm			JA06R8		
Taper Point Needle							
 CT-2 26mm ½ circle	Blue	20cm			JA02T6		
		30cm			JA03T6		
		60cm			JA06T6		
 CT-1 36mm ½ circle	Blue	20cm				JA12T7	
		30cm				JA13T7	
		60cm				JA16T7	



Atraumatic tissue passage

Quill® veterinary barbs retract into the core for **smooth passage through tissue** when the suture is deployed into tissue.

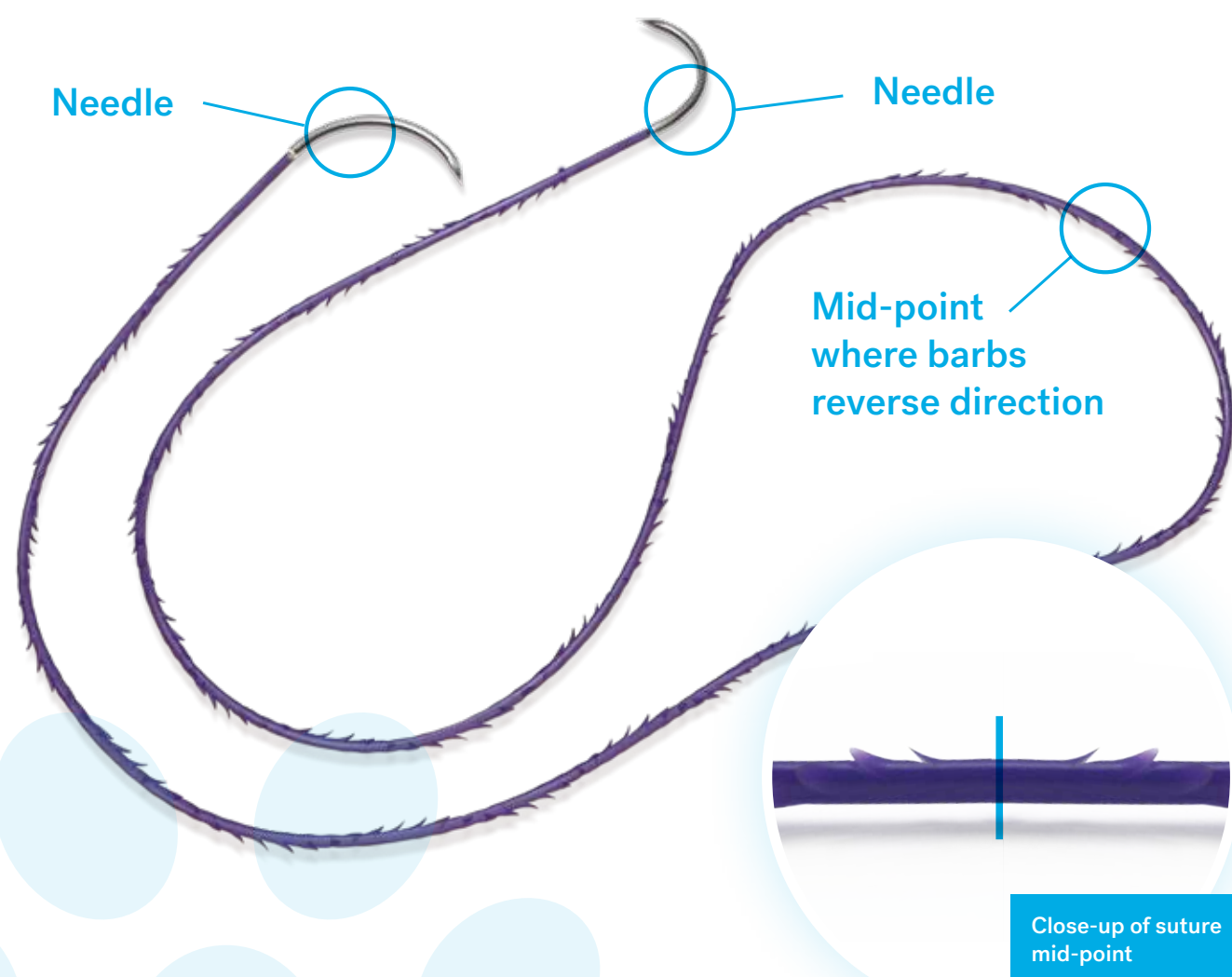
Once the strand is placed, the barbs engage on every plane for a **secure fixation** to effectively lock the suture in place.



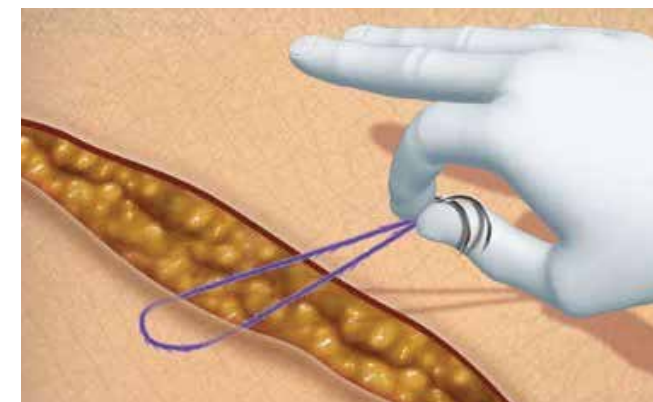
Quill® Veterinary Bi-directional

Barbs are cut in a helical fashion (in a spiral) around the strand. The barbs **reverse direction at mid-point** of the suture.

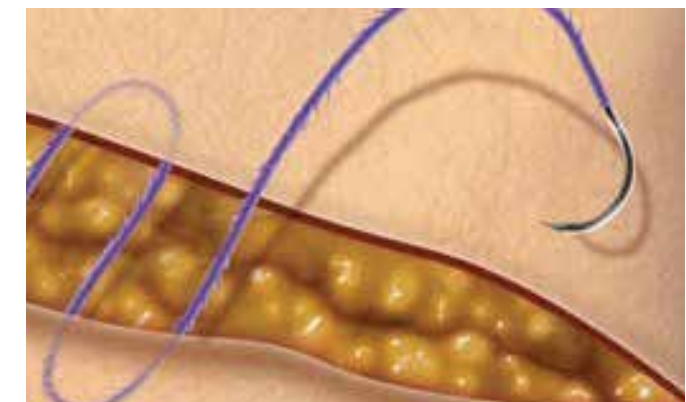
Start your wound closure at mid-point of the suture.



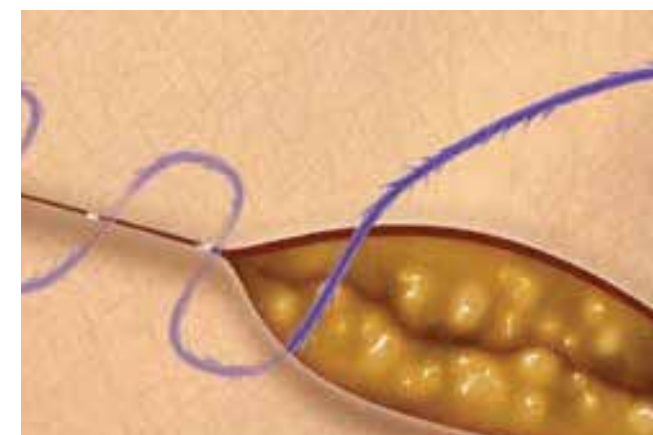
Subcuticular closure technique for the Quill® Bi-Directional Device



1 Take one end of the Quill® and pull it through until the transition point has reached the tissue. Estimation of the center of the device can be aided by taking a single bite of tissue, then aligning the two needles until both ends of the suture are of roughly equal length.



2 Taking one arm of the Quill®, complete at least two loose arcs through the tissue, then take a few tissue bites with the other arm of the device.



3 Once at least two arcs per side have been deployed, each of the strands can then be grasped and the tissue approximated to the desired tension. Continue the bites in the same pattern until the end of the wound is reached.



4 Secure the ends by employing a few backstitches and exiting laterally through the skin cut the remaining Quill® flush with the skin to complete.

Deep Layer Closure

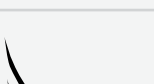
Closure of incisions that include deeper layers or multiple layers closures can be performed with the same starting position and employing a helical suturing technique.

Dual Layer Closure

Closure of wounds that include the full thickness of the skin and the subcutaneous fat. Can be performed by starting at the apex of the incision and running one arm in a deep helical pattern and the second arm in a subcuticular closure pattern.

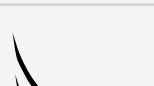
Mid-Term Monoderm™ Bi-directional

ABSORBABLE

NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Reverse Cutting Needle							
 FS-2 19mm ⅜ circle	Violet	7x7cm	YDA032R5				
		14x14cm	YDA033R5				
		30x30cm	YDA036R5				
 FS-1 24mm ⅜ circle	Violet	7x7cm	YDA037R6	YDA027R6			
		14x14cm	YDA031R6	YDA021R6			
		30x30cm	YDA033R6	YDA023R6			
 FS 26mm ⅜ circle	Violet	7x7cm		YDA022R7			
		14x14cm		YDA023R7			
		30x30cm		YDA026R7			
 FSL 30mm ⅜ circle	Violet	7x7cm			YDA07R8		
		14x14cm			YDA01R8		
		30x30cm			YDA03R8		
 CP-2 26mm ½ circle	Violet	7x7cm			YDA07R14	YDA17R14	
		14x14cm			YDA01R14	YDA11R14	
		30x30cm			YDA03R14	YDA13R14	
 CP-1 36mm ½ circle	Violet	7x7cm				YDA17R15	
		14x14cm				YDA11R15	
		30x30cm				YDA13R15	

Mid-Term Monoderm™ Bi-directional

ABSORBABLE

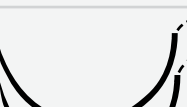
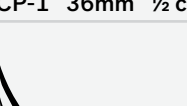
NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Taper Point Needle							
 RB-1 17mm ½ circle	Violet	7x7cm	YDA072T2	YDA027T2			
		14x14cm	YDA013T2	YDA021T2			
		30x30cm	YDA033T2	YDA023T2			
 SH-1 22mm ½ circle	Violet	7x7cm		YDA027T3			
		14x14cm		YDA021T3			
		30x30cm		YDA023T3			
 SH 26mm ½ circle	Violet	7x7cm		YDA027T4			
		14x14cm		YDA021T4			
		30x30cm		YDA023T4			
 CT-2 26mm ½ circle	Violet	7x7cm			YDA07T6		
		14x14cm			YDA01T6		
		30x30cm			YDA03T6		
 CT-1 36mm ½ circle	Violet	7x7cm				YDA17R7	
		14x14cm				YDA11R7	
		30x30cm				YDA13R7	

*As with traditional sutures, Quill barbed suture size is determined by its OUTER diameter. It is therefore recommended that when using Quill barbed suture, you upsize by one USP compared with traditional suture. For example if previously using a 3-0 traditional suture, we recommend using a 2-0 Quill barbed suture.

*As with traditional sutures, Quill barbed suture size is determined by its OUTER diameter. It is therefore recommended that when using Quill barbed suture, you upsize by one USP compared with traditional suture. For example if previously using a 3-0 traditional suture, we recommend using a 2-0 Quill barbed suture.

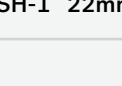
Long-Term PDO™ Bi-directional

ABSORBABLE

NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Reverse Cutting Needle							
 FS-1 24mm ⅜ circle	Violet	7x7cm	RDA037R6	RDA027R6			
		14x14cm	RDA031R6	RDA021R6			
		30x30cm	RDA033R6	RDA023R6			
 FSL 30mm ⅜ circle	Violet	7x7cm			RDA07R8		
		14x14cm			RDA01R8		
		30x30cm			RDA03R8		
 CP-2 26mm ½ circle	Violet	7x7cm			RDA07R14	RDA17R14	
		14x14cm			RDA01R14	RDA11R14	
		30x30cm			RDA03R14	RDA13R14	
 CP-1 36mm ½ circle	Violet	7x7cm				RDA17R15	
		14x14cm				RDA11R15	
		30x30cm				RDA13R15	
 CP 40mm ½ circle	Violet	7x7cm					RDA27R16
		14x14cm					RDA21R16
		30x30cm					RDA23R16

Long-Term PDO™ Bi-directional

ABSORBABLE

NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Taper Point Needle							
 RB-1 17mm ½ circle	Violet	7x7cm	RDA037T2	RDA027T2			
		14x14cm	RDA031T2	RDA021T2			
		30x30cm	RDA033T2	RDA023T2			
 SH-1 22mm ½ circle	Violet	7x7cm		RDA027T3			
		14x14cm		RDA021T3			
		30x30cm		RDA023T3			
 SH 26mm ½ circle	Violet	7x7cm		RDA027T4			
		14x14cm		RDA021T4			
		30x30cm		RDA023T4			
 CT-2 26mm ½ circle	Violet	7x7cm			RDA07T6		
		14x14cm			RDA01T6		
		30x30cm			RDA03T6		
 CT-1 36mm ½ circle	Violet	7x7cm				RDA17T7	RDA27T7
		14x14cm				RDA11T7	RDA21T7
		30x30cm				RDA13T7	RDA23T7

Polypropylene Bi-directional

NON-ABSORBABLE

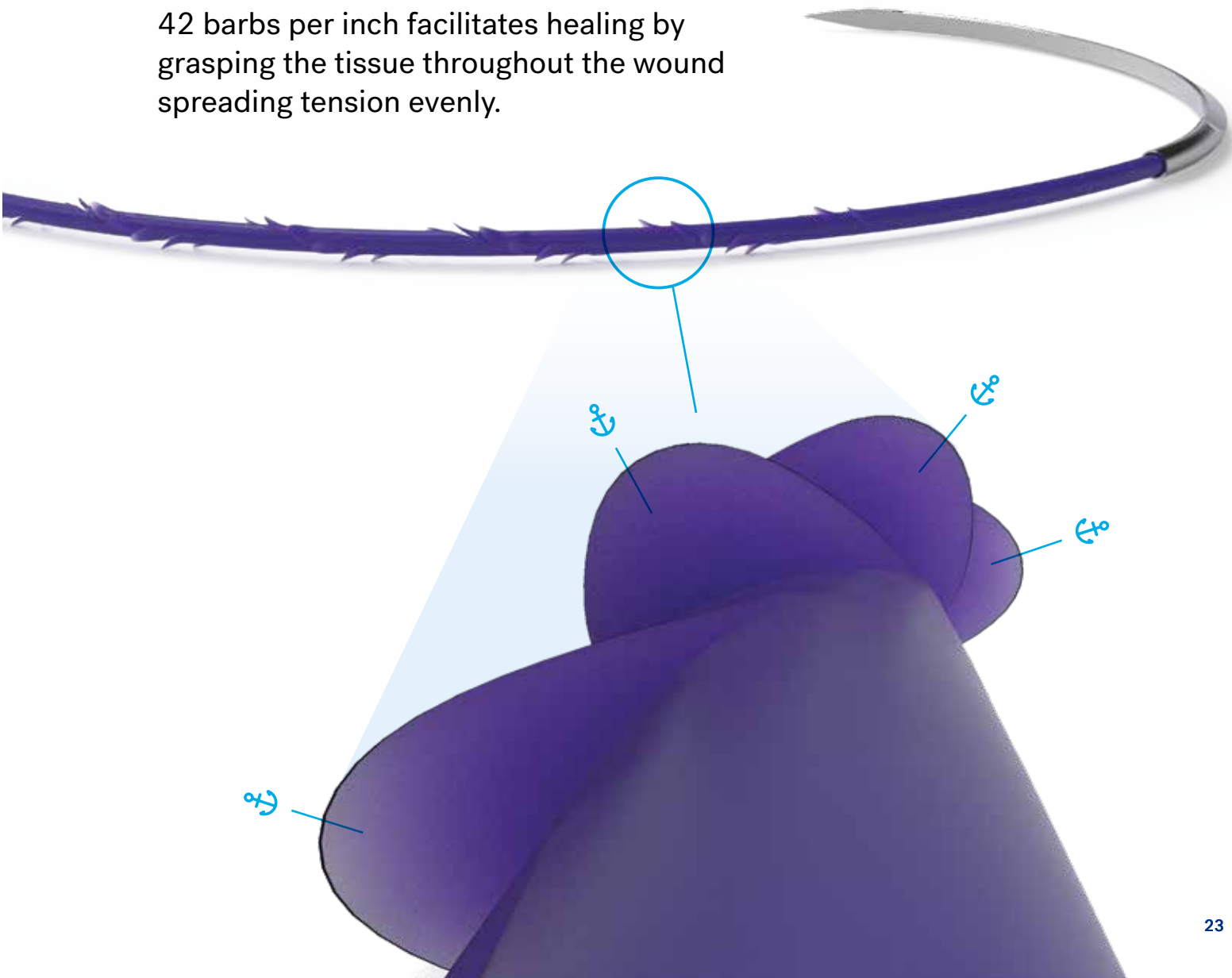
NEEDLE	COLOR	LENGTH	SIZE 3-0	2-0	0	1	2
Reverse Cutting Needle							
 FS-1 24mm 3⁄8 circle	Blue	7x7cm	JDA037R6	JDA027R6			
		14x14cm	JDA031R6	JDA021R6			
		30x30cm	JDA033R6	JDA023R6			
 FSL 30mm 3⁄8 circle	Blue	7x7cm			JDA07R8		
		14x14cm			JDA01R8		
		30x30cm			JDA03R8		
Taper Point Needle							
 CT-2 26mm 1⁄2 circle	Blue	7x7cm			JDA07T6		
		14x14cm			JDA01T6		
		30x30cm			JDA03T6		
 CT-1 36mm 1⁄2 circle	Blue	7x7cm				JDA17T7	
		14x14cm				JDA11T7	
		30x30cm				JDA13T7	



Fixation at every point of contact.

Unique high-density helical barbed structure

42 barbs per inch facilitates healing by grasping the tissue throughout the wound spreading tension evenly.



Sutures by Surgery Type and Animal Weight

Quill® Veterinary barbed suture is determined by its outer diameter. We recommend **upsizing by one USP** compared to traditional suture. For example, if using a 3-0 traditional suture, choose 2-0 Quill barbed suture as indicated below.

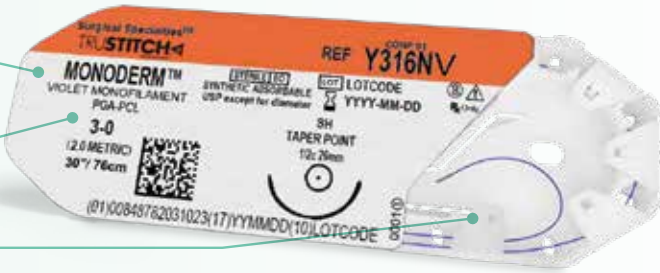
Surgery Type	Main Choices	Alternatives	Animal Weight (LBS)															
			15	20	25	30	35	40	45	50	55	60	65	70	75	+		
Intradermal closure	Monoderm		3-0 FS-1		← 3-0		or 2-0 →	2-0 FS-1, SH				← 2-0 or 0 →			0 CT-2, SH, FSL			
Subcutaneous closure	Monoderm	PDO	3-0 RB-1, FS-1		← 3-0		or 2-0 →	2-0 RB-1, SH, SH-1				← 2-0 or 0 →			0 CT-2			
Celiotomy	Monoderm (young), PDO (adult)		2-0 FS-1, SH-1, SH			← 2-0		or 0 →	0 CT-2, FSL	← 0 or 1 →		1 FSL, CP-1, CT, CT-1		← 1 or 2 →		2 CT-1, CP		
Cesarean Section	PDO	Monoderm	3-0 RB-1	← 3-0 or 2-0 →		2-0 SH,		SH-1		← 2-0 or 0 →			0 CT-2		← 0 or 1 →		1 CT-1	
Cystotomy	Monoderm		3-0 RB-1				← 3-0 or 2-0 →			2-0 SH, SH-1		← 2-0 or 0 →			0 CT-2			
Gastric Torsion (gastropexy)	PDO	Polypropylene	2-0 SH, SH-1					← 2-0 or 0 →		0 CT-2								
Gastrotomy / Enterotomy	Monoderm, PDO		3-0 RB-1	← 3-0 or 2-0 →				2-0 SH, SH-1			← 2-0 or 0 →			0 CT-2				
Intestinal Resection / Anastomosis	Monoderm		3-0 RB-1	← 3-0 or 2-0 →				2-0 SH, SH-1, RB-1			← 2-0 or 0 →			0 CT-2				
Laceration / General Wound	PDO	Monoderm	3-0 FS-1	← 3-0 or 2-0 →		2-0		FS-1		← 2-0 or 0 →			0 FSL					
Ovariohysterectomy (OHE)	Monoderm		2-0 FS-1, SH, SH-1, RB-1		← 2-0 or 0 →				0 FSL, CP-2		← 0 or 1 →	1 CP-1, CT-1			← 1 or 2 →		2 CT-1, CP	

TruStitch™ suture...
uncompromising quality,
unmatched value.



TruStitch VETERINARY SUTURE

- Environmentally friendly with recyclable polypropylene tray
- Labelled tray for easy and quick identification in the sterile field
- Secures all suture needles: single, double and straight



COMPARISON GUIDE

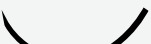
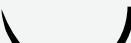
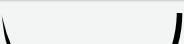
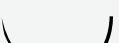
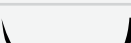
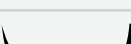
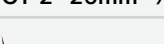
TruStitch™ Material Comparison

SUTURE TYPE	DESCRIPTION	EFFECTIVE WOUND SUPPORT	ABSORPTION TIME	ETHICON™	TRUSTITCH™	MEDTRONIC™
Monofilament Absorbable	Mid-Term	3 Weeks	90-110 Days	Monocryl™	Monoderm™	Biosyn™
	Long-Term	6 Weeks	180 Days	PDS™	PDO™	Maxon™
Braided Absorbable	Mid-Term	3 Weeks	56-70 Days	Vicryl™	Polysyn™	Polysorb™
Gut Absorbable	Natural	Variable	Variable	Chromic Gut	Chromic Gut	Chromic Gut
Non-absorbable	Nylon	Gradual Loss	Permanent	Ethilon™	Nylon	Monosof™/Dermalon™
	Polypropylene	Permanent	Permanent	Prolene™	Polypropylene	Surgipro™

Monoderm™

Polyglycolic Acid and E-Caprolactone

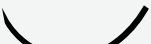
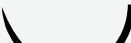
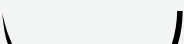
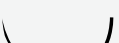
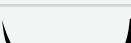
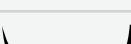
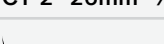
MONOFILAMENT MID-TERM ABSORBABLE

NEEDLE	COLOR	LENGTH	5-0	4-0	3-0	2-0	0	1
Premium Reverse Cutting Needle 								
 P-3 13mm ½ circle	Violet	18"	Y463NV	Y464NV				
	Violet	30"						
	Violet	36"						
Reverse Cutting Needle 								
 FS-2 19mm ⅜ circle	Violet	18"						
	Violet	30"						
	Violet	36"		Y922NV	Y923NV			
 FS-1 24mm ⅜ circle	Violet	18"						
	Violet	30"						
	Violet	36"			Y942NV	Y943NV		
 CP-2 26mm ½ circle	Violet	18"						
	Violet	30"				Y267NV		
	Violet	36"						
 CP-1 36mm ½ circle	Violet	18"						
	Violet	30"				Y266NV		
	Violet	36"					Y967NV	
Taper Point Needle 								
 RB-1 17mm ½ circle	Violet	18"						
	Violet	30"	Y303NV	Y214NV	Y215NV			
	Violet	36"			Y344NV			
 SH-1 22mm ½ circle	Violet	18"						
	Violet	30"		Y218NV		Y9568NV		
	Violet	36"						
 SH 26mm ½ circle	Violet	18"						
	Violet	30"		Y415NV	Y316NV	Y417NV		
	Violet	36"						
 CT-2 26mm ½ circle	Violet	18"						
	Violet	30"					Y334NV	
	Violet	36"				Y762NV		
 CT-1 36mm ½ circle	Violet	18"						
	Violet	30"						
	Violet	36"				Y945NV	Y946NV	Y347NV

PDO™

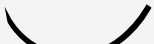
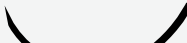
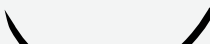
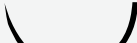
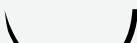
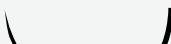
Polydioxanone

MONOFILAMENT LONG-TERM ABSORBABLE

NEEDLE	COLOR	LENGTH	5-0	4-0	3-0	2-0	0	1
Premium Reverse Cutting Needle 								
 P-3 13mm ½ circle	Violet	18"	R493NV	R494NV				
	Violet	30"						
	Violet	36"						
Reverse Cutting Needle 								
 FS-2 19mm ⅜ circle	Violet	18"						
	Violet	30"		R422NV	R035NV			
	Violet	36"						
 FS-1 24mm ⅜ circle	Violet	18"						
	Violet	30"			R037NV	R034NV		
	Violet	36"						
 CP-2 26mm ½ circle	Violet	18"						
	Violet	30"			R968NV	R969NV		
	Violet	36"						
 CP-1 36mm ½ circle	Violet	18"						
	Violet	30"				R446NV	R467NV	R468NV
	Violet	36"						
Taper Point Needle 								
 RB-1 17mm ½ circle	Violet	18"						
	Violet	30"	R303NV	R304NV	R305NV			
	Violet	36"						
 SH-1 22mm ½ circle	Violet	18"						
	Violet	30"		R310NV	R311NV			
	Violet	36"						
 SH 26mm ½ circle	Violet	18"						
	Violet	30"		R315NV	R316NV	R317NV		
	Violet	36"						
 CT-2 26mm ½ circle	Violet	18"						
	Violet	30"					R333NV	R334NV
	Violet	36"						
 CT-1 36mm ½ circle	Violet	18"						
	Violet	30"			R338NV	R339NV	R340NV	R341NV
	Violet	36"					R346NV	

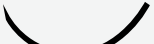
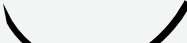
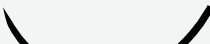
Polypropylene

NON-ABSORBABLE

NEEDLE	COLOR	LENGTH	5-0	4-0	3-0	2-0	0	1
Premium Reverse Cutting Needle								
 P-3 13mm ½ circle	Blue	18"	J8698NV					
	Blue	30"						
	Blue	36"						
Reverse Cutting Needle								
 FS-2 19mm ⅜ circle	Blue	18"		J8683NV	J8665NV			
	Blue	30"						
	Blue	36"						
 FS-1 24mm ⅜ circle	Blue	18"			J8684NV			
	Blue	30"						
	Blue	36"						
 FSL 30mm ⅜ circle	Blue	18"						
	Blue	30"			J8675NV			
	Blue	36"						
 FSLX 30mm ⅜ circle	Blue	18"						
	Blue	30"				J8689NV	J8690NV	
	Blue	36"						
Taper Point Needle								
 SH 26mm ½ circle	Blue	18"						
	Blue	30"			J8832NV	J8833NV		
	Blue	36"						
 CT-2 26mm ½ circle	Blue	18"						
	Blue	30"				J8411NV	J9852NV	
	Blue	36"						
 CT-1 36mm ½ circle	Blue	18"						
	Blue	30"					J8424NV	J8425NV
	Blue	36"						

Nylon

NON-ABSORBABLE

NEEDLE	COLOR	LENGTH	5-0	4-0	3-0	2-0
Premium Reverse Cutting Needle						
 PS-2 19mm ½ circle	Blue	18"		A1667NV		
	Blue	30"				
	Blue	36"				
Reverse Cutting Needle						
 FS-2 19mm ⅜ circle	Blue	18"		A662NV		
	Blue	30"		A662NV		
	Blue	36"				
 FS-1 24mm ⅜ circle	Blue	18"		A1629NV	A663NV	
	Blue	30"			A669NV	
	Blue	36"				
 FSL 30mm ⅜ circle	Blue	18"				A664NV
	Blue	30"				
	Blue	36"				
 FSLX 30mm ⅜ circle	Blue	18"				
	Blue	30"				A1674NV
	Blue	36"				
Straight Cutting Needle						
 KS 60mm Straight	Blue	18"				
	Blue	30"			A627NV	A628NV
	Blue	36"				

Polysyn™
Polyglycolic Acid

BRAIDED MID-TERM ABSORBABLE

NEEDLE	COLOR	LENGTH	6-0	5-0	4-0	3-0	2-0	0	1
Premium Reverse Cutting Needle									
 P-1 11mm ½ circle	Violet	18"	G489NV						
	Violet	30"							
	Violet	36"							
 P-3 13mm ½ circle	Violet	18"		G463NV					
	Violet	30"							
	Violet	36"							
Reverse Cutting Needle									
 FS-2 19mm ¾ circle	Violet	18"		G391NV	G392NV	G393NV			
	Violet	30"			G397NV	G398NV			
	Violet	36"							
 FS-1 24mm ¾ circle	Violet	18"							
	Violet	30"				G452NV	G453NV		
	Violet	36"							
 FSL 30mm ¾ circle	Violet	18"							
	Violet	30"						G587NV	
	Violet	36"							
 CP-1 36mm ½ circle	Violet	18"							
	Violet	30"					G266NV	G267NV	G268NV
	Violet	36"							
Taper Point Needle									
 SH 26mm ½ circle	Violet	18"							
	Violet	30"				G316NV	G317NV		
	Violet	36"							
 CT-2 26mm ½ circle	Violet	18"							
	Violet	30"					G333NV		
	Violet	36"							
 CT-1 36mm ½ circle	Violet	18"							
	Violet	30"					G339NV	G340NV	G341NV
	Violet	36"				G344NV	G345NV	G346NV	

Chronic Gut

NATURAL

NEEDLE	COLOR	LENGTH	5-0	4-0	3-0	2-0	0	1
Reverse Cutting Needle								
 FS-2 19mm ¾ circle	Natural	18"						
	Natural	30"		C635NV	C636NV			
	Natural	36"						
 FS-1 24mm ¾ circle	Natural	18"						
	Natural	30"				C637NV		
	Natural	36"						
 CP-2 26mm ½ circle	Natural	18"						
	Natural	30"			C886NV			
	Natural	36"						
Taper Point Needle								
 SH 26mm ½ circle	Natural	18"						
	Natural	30"			C882NV	C883NV		
	Natural	36"						
 CT-2 26mm ½ circle	Natural	18"						
	Natural	30"					C812NV	C813NV
	Natural	36"						

Premium Bone Wax

Softer and easier to handle, form and apply than ever before.



The peel-open foil packet is specifically designed for easy dispensing and provides optimum safety and convenience for use in the operating room.

Description. A sterile mixture of beeswax, paraffin, and isopropyl palmitate, a wax-softening agent. It has a waxy odor.

Performance. Achieves local hemostasis of bone by acting as a mechanical sealant (tamponade). It does not act biochemically and is minimally resorbable.

Indications. For control of bleeding from bone surfaces during surgical operations.

Directions & Dosage. Use bone wax immediately after removal from the package. Using aseptic technique, take 1 to 1.5 grams of bone wax, manipulate with the fingers to soften, and apply to bone surface. Optimum working temperature: 70° - 74° F (21° - 23° C).

Available sterile in bar form in individual foil packets, 2.5 grams each.

ITEM #	DESCRIPTION	PACKAGED
903	White Bone Wax, 2.5 grams each	12 sterile peel-open foil packets per dispenser box
903B	White Bone Wax, 2.5 grams each	Bagged sterile foil packets (your choice of quantity)

Phaco Incision Knives



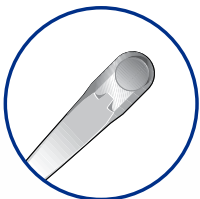
Slit Knives, Single-Bevel



SharpPoint™ precision slit knives penetrate easily while creating an accurate width incision for optimal fit to the phacoemulsification tip. Six per box.

KNIFE	DESCRIPTION
72-2801	2.85mm, straight
72-2901	3.0mm, straight
72-3201	3.2mm, straight

Groove & Limbal Relaxation Incision Knives



Restricted Depth Knives



SharpPoint™ LRI Knives are designed to create groove and limbal incisions (technique for managing preexisting astigmatism) using a single-formed design for accuracy and dual cutting edges for left or right maneuverability.

KNIFE	DESCRIPTION
72-0301	300 µm straight, full handle
72-0401	450 µm straight, full handle



Stab Knives



SharpPoint™ stab knives are heat-tempered to provide a strong, true point for easy penetration during initial stab incisions. Six per box.

KNIFE	BLADE	DESCRIPTION
72-1501	72-1502	15° Straight, full handle
72-1501G*		15° Straight', guarded
72-1591		15° Right angled
72-2201	72-2202	22.5° Straight, full handle
72-3001	72-3002	30° Straight, full handle
72-4501	72-4502	45° Straight, full handle

Cross-Reference

CODE	DESCRIPTION	TRUSTITCH BLACK	ETHICON™	COVIDIEN™
Y463NV	Monoderm 5-0 Violet 18", P-3 Precision Reverse Cutting 13mm 3/8C		Y463G	SM5687
Y464NV	Monoderm 4-0 Violet 18", P-3 Precision Reverse Cutting 13mm 3/8C		Y464G	SM5690
Y922NV	Monoderm 4-0 Violet 36", FS-2 Reverse Cutting 18mm 3/8C	Y922NVB	Y922H	SM891G
Y923NV	Monoderm 3-0 Violet 36", FS-2 Reverse Cutting 18mm 3/8C	Y923NVB	Y923H	SM922
Y942NV	Monoderm 3-0 Violet 36", FS-1 Reverse Cutting 24mm 3/8C	Y942NVB	Y942H	SM822
Y943NV	Monoderm 2-0 Violet 36", FS-1 Reverse Cutting 24mm 3/8C	Y943NVB	Y943H	SM923
Y267NV	Monoderm 2-0 Violet 30", CP-2 Reverse Cutting 26mm 1/2C	Y267NVB	N/A	CM879
Y266NV	Monoderm 2-0 Violet 30", CP-1 Reverse Cutting 36mm 1/2C	Y266NVB	Y266H	CM816
Y967NV	Monoderm 0 Violet 36", CP-1 Reverse Cutting 36mm 1/2C	Y967NVB	Y967H	CM817
Y303NV	Monoderm 5-0 Violet 30", RB-1 Taper Point 18mm 1/2C	Y303NVB	Y303H	UM202
Y214NV	Monoderm 4-0 Violet 30", RB-1 Taper Point 18mm 1/2C	Y214NVB	Y304H	UM203
Y215NV	Monoderm 3-0 Violet 30", RB-1 Taper Point 18mm 1/2C	Y215NVB	Y305H	UM204
Y344NV	Monoderm 3-0 Violet 36", CT-1 Taper Point 36mm 1/2C	Y344NVB	Y344H	CM922
Y218NV	Monoderm 4-0 Violet 30", SH-1 Taper Point 22mm 1/2C	Y218NVB	Y218H	GM181
Y9568NV	Monoderm 2-0 Violet 30", SH-1 Taper Point 22mm 1/2C	A1667NVB	D9568	GM183
Y415NV	Monoderm 4-0 Violet 30", SH Taper Point 26mm 1/2C	Y415NVB	Y315H	GM121
Y417NV	Monoderm 2-0 Violet 30", SH Taper Point 26mm 1/2C	Y417NVB	Y417H	GM125
Y316NV	Monoderm 3-0 Violet 30", SH Taper Point 26mm 1/2C	Y316NVB	Y416H	GM122
Y762NV	Monoderm 2-0 Violet 36", CT-2 Taper Point 26.5mm 1/2C	Y762NVB	Y762H	CM883
Y334NV	Monoderm 0 Violet 30", CT-2 Taper Point 26.5mm 1/2C	Y334NVB	Y334H	CM884
Y945NV	Monoderm 2-0 Violet 36", CT-1 Taper Point 36.6mm 1/2C	Y945NVB	Y345H	CM923
Y946NV	Monoderm 0 Violet 36", CT-1 Taper Point 36.6mm 1/2C	Y946NVB	Y346H	CM924
Y347NV	Monoderm 1 Violet 36", CT-1 Taper Point 36.6mm 1/2C	Y347NVB	Y347H	CM925
R493NV	PDO 5-0 Violet 18", P-3 Precision Reverse Cutting 13mm 3/8C		Z463G	SMM5539
R494NV	PDO 4-0 Violet 18", P-3 Precision Reverse Cutting 13mm 3/8C		Z494G	
R422NV	PDO 4-0 Violet 30", FS-2 Reverse Cutting 19mm 3/8C	R422NVB	Z422H	8886663931
R035NV	PDO 3-0 Violet 30", FS-2 Reverse Cutting 19mm 3/8C	R035NVB	Z398H	8886663941
R037NV	PDO 3-0 Violet 30", FS-1 Reverse Cutting 24mm 3/8C	R037NVB	Z452H	8886664141
R034NV	PDO 2-0 Violet 30", FS-1 Reverse Cutting 24mm 3/8C	R034NVB	Z451H	8886664151
R968NV	PDO 3-0 Violet 30", CP-2 Reverse Cutting 26mm 1/2C	R968NVB	Z968H	8886674441
R969NV	PDO 2-0 Violet 30", CP-2 Reverse Cutting 26mm 1/2C	R969NVB	Z969H	8886674551
R446NV	PDO 2-0 Violet 30", CP-1 Reverse Cutting 36mm 1/2C	R446NVB	Z466H	8886675551
R467NV	PDO 0 Violet 30", CP-1 Reverse Cutting 36mm 1/2C	R467NVB	Z467H	8886675561
R468NV	PDO 1 Violet 30", CP-1 Reverse Cutting 36mm 1/2C	R468NVB	Z468H	8886675571
R303NV	PDO 5-0 Violet 30", RB-1 Taper Point 18mm 1/2C	R303NVB	Z303H	8886620721
R304NV	PDO 4-0 Violet 30", RB-1 Taper Point 18mm 1/2C	R304NVB	Z304H	8886620731
R305NV	PDO 3-0 Violet 30", RB-1 Taper Point 18mm 1/2C	R305NVB	Z305H	8886620741
R310NV	PDO 4-0 Violet 30", SH-1 Taper Point 22mm 1/2C	R310NVB	Z310H	8886621731
R311NV	PDO 3-0 Violet 30", SH-1 Taper Point 22mm 1/2C	R311NVB	Z311H	8886621741
R315NV	PDO 4-0 Violet 30", SH Taper Point 26mm 1/2C	R315NVB	Z315H	8886623331
R316NV	PDO 3-0 Violet 30", SH Taper Point 26mm 1/2C	R316NVB	Z332H	8886624541
R317NV	PDO 2-0 Violet 30", SH Taper Point 26mm 1/2C	R317NVB	Z317H	8886623351
R333NV	PDO 2-0 Violet 30", CT-2 Taper Point 26.5mm 1/2C	R333NVB	Z333H	8886624551
R334NV	PDO 0 Violet 30", CT-2 Taper Point 26.5mm 1/2C	R334NVB	Z334H	8886624561
R338NV	PDO 3-0 Violet 30", CT-1 Taper Point 36.6mm 1/2C	R338NVB	Z338H	8886626741
R339NV	PDO 2-0 Violet 30", CT-1 Taper Point 36.6mm 1/2C	R339NVB	Z339H	8886626751
R340NV	PDO 0 Violet 30", CT-1 Taper Point 36.6mm 1/2C	R340NVB	Z340H	8886626761
R346NV	PDO 0 Violet 36", CT-1 Taper Point 36.6mm 1/2C	R346NVB	Z346H	8886626961
R341NV	PDO 1 Violet 30", CT-1 Taper Point 36.6mm 1/2C	R341NVB	Z341H	8886626771
G489NV	PolySyn 6-0 Violet 18", P-1 Precision Reverse Cutting 11mm 3/8C		J489G	SL1625G
G463NV	PolySyn 5-0 Violet 18", P-3 Precision Reverse Cutting 13mm 3/8C		J493G	SL5687G
G391NV	PolySyn 5-0 Violet 18", FS-2 Reverse Cutting 19mm 3/8C	G391NVB	J391H	SL690

Cross-Reference

CODE	DESCRIPTION	TRUSTITCH BLACK	ETHICON™	COVIDIEN™
G392NV	PolySyn 4-0 Violet 18", FS-2 Reverse Cutting 19mm 3/8C	G392NVB	J392H	SL691
G397NV	PolySyn 4-0 Violet 30", FS-2 Reverse Cutting 19mm 3/8C	G397NVB	J397H	SL635
G393NV	PolySyn 3-0 Violet 18", FS-2 Reverse Cutting 19mm 3/8C	G393NVB	J393H	SL822
G398NV	PolySyn 3-0 Violet 30", FS-2 Reverse Cutting 19mm 3/8C	G398NVB	J398H	SL636
G452NV	PolySyn 3-0 Violet 30", FS-1 Reverse Cutting 24mm 3/8C	G452NVB	J452H	SL694
G453NV	PolySyn 2-0 Violet 30", FS-1 Reverse Cutting 24mm 3/8C	G453NVB	J453H	CL823
G587NV	PolySyn 0 Violet 30", FSL Reverse Cutting 30mm 3/8C		J587H	SL712
G266NV	PolySyn 2-0 Violet 30", CP-1 Reverse Cutting 36mm 1/2C	G266NVB	J466H	CL816
G267NV	PolySyn 0 Violet 30", CP-1 Reverse Cutting 36mm 1/2C	G267NVB	J467H	CL817
G268NV	PolySyn 1 Violet 30", CP-1 Reverse Cutting 36mm 1/2C		J468H	CL818
G303NV	PolySyn 5-0 Violet 30", RB-1 Taper Point 18mm 1/2C		J303H	
G415NV	PolySyn 4-0 Violet 30", SH Taper Point 26mm 1/2C		J415H	
G316NV	PolySyn 3-0 Violet 30", SH Taper Point 26mm 1/2C	G316NVB	J332H	CL882
G317NV	PolySyn 2-0 Violet 30", SH Taper Point 26mm 1/2C	G317NVB	J317H	GL123
G333NV	PolySyn 2-0 Violet 30", CT-2 Taper Point 26.5mm 1/2C	G333NVB	J333H	CL883
G339NV	PolySyn 2-0 Violet 30", CT-1 Taper Point 36mm 1/2C	G339NVB	J339H	CL811
G340NV	PolySyn 0 Violet 30", CT-1 Taper Point 36mm 1/2C	G340NVB	J340H	CL812
G341NV	PolySyn 1 Violet 30", CT-1 Taper Point 36mm 1/2C		J341H	CL813
G344NV	PolySyn 3-0 Violet 36", CT-1 Taper Point 36mm 1/2C		J344H	CM810
G345NV	PolySyn 2-0 Violet 36", CT-1 Taper Point 36mm 1/2C		J345H	CL923
G346NV	PolySyn 0 Violet 36", CT-1 Taper Point 36mm 1/2C		J346H	CL924
C635NV	Chromic Gut 4-0 Brown 30", FS-2 Reverse Cutting 19mm 3/8C		635H	SG635
C636NV	Chromic Gut 3-0 Brown 30", FS-2 Reverse Cutting 19mm 3/8C		636H	SG636
C637NV	Chromic Gut 2-0 Brown 30", FS-1 Reverse Cutting 24mm 3/8C		637H	
C886NV	Chromic Gut 3-0 Brown 30", CP-2 Reverse Cutting 26mm 1/2C		886H	CG415
C882NV	Chromic Gut 3-0 Brown 30", SH Taper Point 26mm 1/2C		882H	CG882
C883NV	Chromic Gut 2-0 Brown 30", SH Taper Point 26mm 1/2C		883H	CG883
C812NV	Chromic Gut 0 Brown 30", CT-1 Taper Point 36mm 1/2C		812H	CG812
C813NV	Chromic Gut 1 Brown 30", CT-1 Taper Point 36mm 1/2C		813H	CG813
A1667NV	Nylon 4-0 Blue 18", PS-2 Precision Reverse Cutting 19mm 3/8C		1667H	SN5667
A662NV	Nylon 4-0 Blue 18", FS-2 Reverse Cutting 19mm 3/8C	A662NVB	662G	SN662
A1629NV	Nylon 4-0 Blue 18", FS-1 Reverse Cutting 24mm 3/8C		1629H	SN658
A663NV	Nylon 3-0 Blue 18", FS-1 Reverse Cutting 24mm 3/8C	A663NVB	663G	SN648
A669NV	Nylon 3-0 Blue 30", FS-1 Reverse Cutting 24mm 3/8C	A669NVB	669H	SN669
A664NV	Nylon 2-0 Blue 18", FS Reverse Cutting 26mm 3/8C	A664NVB	664G	SN664
A1674NV	Nylon 2-0 Blue 30", FSLX Reverse Cutting 36mm 3/8C	A1674NVB	1674H	SN674
A627NV	Nylon 3-0 Blue 30", KS Straight 60mm Straight		627H	SN627
A628NV	Nylon 2-0 Blue 30", KS Straight 60mm Straight		628H	SN628
J8698NV	Polypropylene 5-0 Blue 18", P-3 Precision Reverse Cutting 13mm 3/8C		8698G	SP5698G
J8683NV	Polypropylene 4-0 Blue 18", FS-2 Reverse Cutting 19mm 3/8C	J8683NVB	8683G	SP683G
J8665NV	Polypropylene 3-0 Blue 18", FS-2 Reverse Cutting 19mm 3/8C	J8665NVB	8665G	SP665
J8684NV	Polypropylene 3-0 Blue 18", FS-1 Reverse Cutting 24mm 3/8C	J8684NVB	8684G	SP684
J8675NV	Polypropylene 3-0 Blue 30", FSL Reverse Cutting 30mm 3/8C		8675H	SP675
J8689NV	Polypropylene 2-0 Blue 30", FSLX Reverse Cutting 36mm 3/8C	J8689NVB	8689H	SP689
J8690NV	Polypropylene 0 Blue 30", FSLX Reverse Cutting 36mm 3/8C	J8690NVB	8690H	SP690
J8832NV	Polypropylene 3-0 Blue 30", SH Taper Point 26mm 1/2C		8832H	VP832X
J8833NV	Polypropylene 2-0 Blue 30", SH Taper Point 26mm 1/2C		8833H	VP833
J8411NV	Polypropylene 2-0 Blue 30", CT-2 Taper Point 26mm 1/2C	J8411NVB	8411H	CP411
J9852NV	Polypropylene 0 Blue 30", CT-2 Taper Point 26mm 1/2C	J9852NVB	8412H	CP412
J8424NV	Polypropylene 0 Blue 30", CT-1 Taper Point 36mm 1/2C	J8424NVB	8424H	CP424
J8425NV	Polypropylene 1 Blue 30", CT-1 Taper Point 36mm 1/2C	J8425NVB	8425H	CP425

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