

Security With Every Stitch,
Savings With Every Suture.



Barbed Suture Catalog



SURGICAL
SPECIALTIES
CORPORATION™

Quill™ Barbed Suture

Designed for knotless approximation.

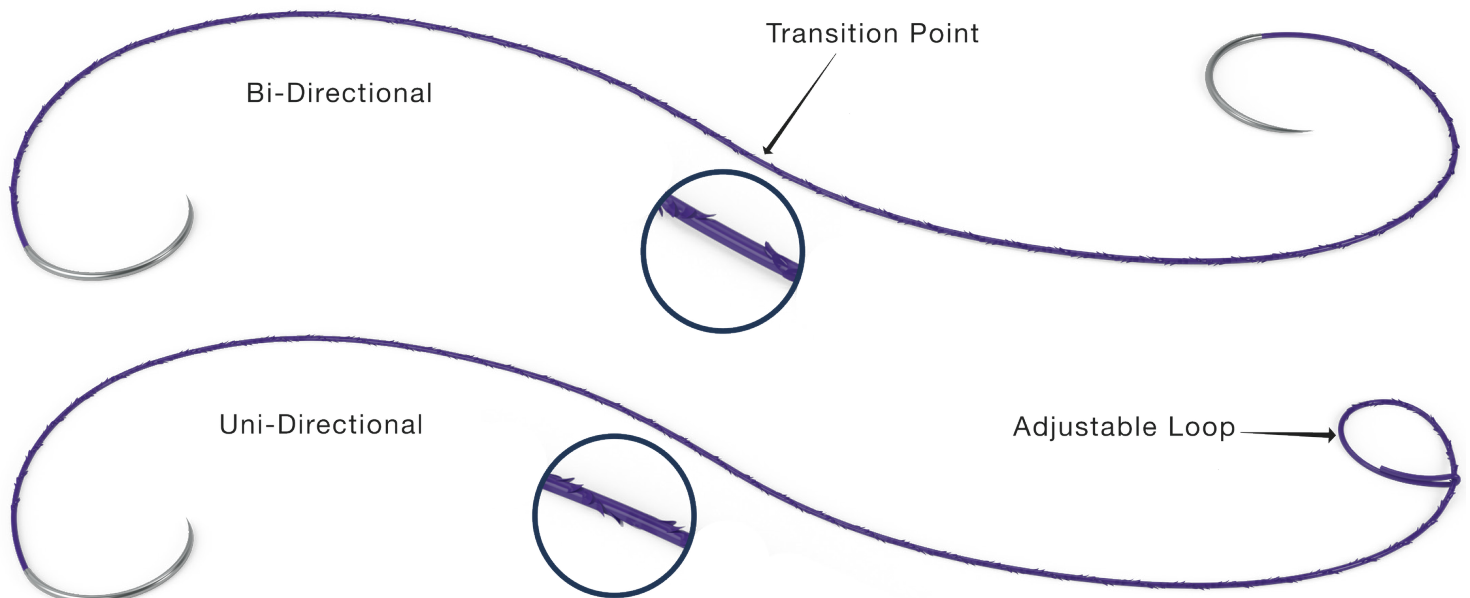
We have a versatile and extensive line offered in bi-directional and uni-directional configurations. Available in Monoderm™, PDO and Polypropylene materials.

We offer a variety of sizes from 5-0 to 2 that are fitted with premium needles for your wound closure needs.



Suture Configurations

Available in Monoderm™, PDO and Polypropylene materials



Bi-Directional

Barbs are arranged in opposing directions on either side of a transitional unbarbed segment.

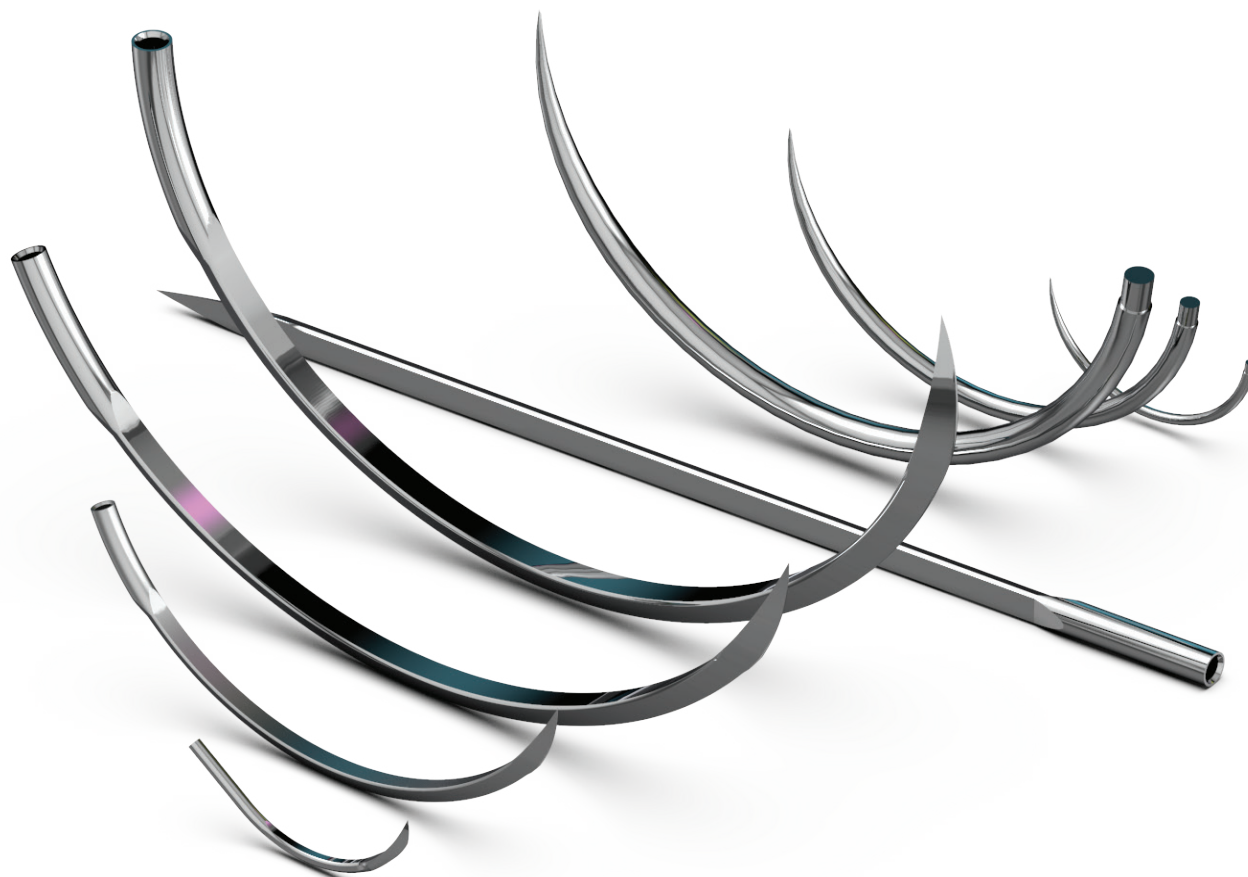
Uni-Directional

Barbs are arranged in a spiral along the suture and the adjustable loop design allows for easy needle placement.



Quill™ needle performance is an output of its design.

Materials, geometry, and coatings work together
to produce a high performance surgical instrument.

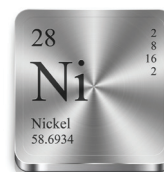


Proprietary Stainless Steel Alloy

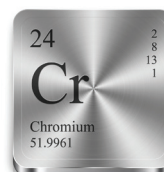
Quill™ needles are forged from an alloy of Iron, Nickel, and Chromium. Each element serves a role in delivering strength, ductility, and hardness.



Strength



Ductility



Hardness

Needle Terminology

Length: Distance measured along the circumference of the needle, from the point to the swage. It is depicted on the packaging.

Shape: Different surgeries or surgical techniques demand different needle shapes.

Point: The sharpened part of the needle that first penetrates the tissue. The point consists of the area from the sharpened tip of the needle to the widest cross section of the needle body. The point determines ease of penetration and the initial size and shape of the hole.

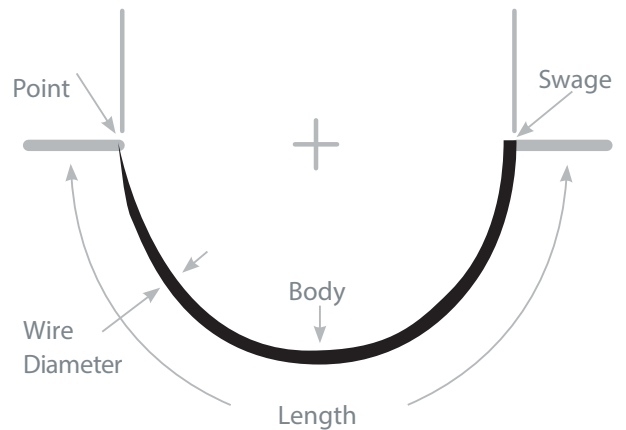
Swage: Connection point of the suture and the needle. Micro teeth grip the suture material and prevent it from slipping out.

Wire Diameter: Gauge or thickness of the wire originally used to form the needle body.

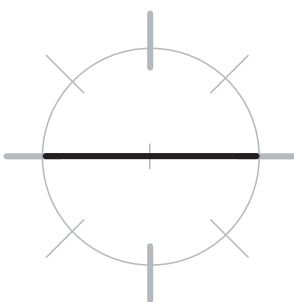
Body: The part between the point and the swage of the needle.

Included Angle (Curvature): The fraction of the circle included in the curve of the needle. This is depicted on the packaging.

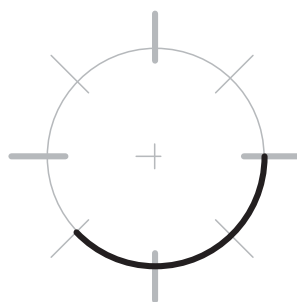
Needle Anatomy



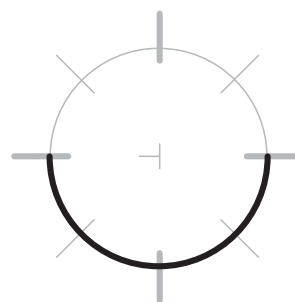
Needle Shapes and General Uses



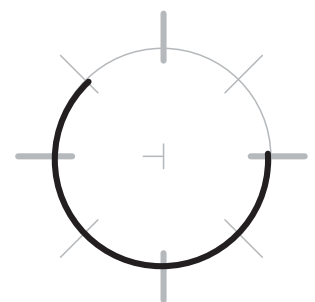
Straight (aka: Keith):
Skin Closure



3/8 Circle:
Skin Closure



1/2 Circle:
Skin Closure, GI, Cardiovascular



5/8 Circle:
Robotics and Laparoscopic

Needle Chart

Precision Reverse Cutting Needles



Surgical Specialties	Ethicon™	Covidien™	
3/8 Circle			
P-3	P-3	P-13	_____ 13mm
PS-2	PS-2	P-12	_____ 19mm
PS-1	PS-1	P-14	_____ 24mm
PS	PS	P-15	_____ 26mm

Taper Cutting Needles



Surgical Specialties	Ethicon™	Covidien™	
STC8	.	.	_____ 50mm

Straight Cutting Needles



Surgical Specialties	Ethicon™	Covidien™	
SC19	.	.	_____ 70mm

Reverse Cutting Needles








Surgical Specialties	Ethicon™	Covidien™	
1/2 Circle			
OS-2	PS-2	.	_____ 18mm
CP-2	CP-2	GS-10	_____ 26mm
CP-1	CP-1	.	_____ 36mm
CP	CP	GS-12	_____ 40mm

Taper Point Needles



Surgical Specialties	Ethicon™	Covidien™	
1/2 Circle			
RB-1	RB-1	CV-23	_____ 17mm
SH-1	SH-1	CV-25	_____ 22mm
SH	SH	V-20	_____ 26mm
CT-1	MH	V-26	_____ 26mm
CT	CT	GS-24X	_____ 26mm
CTX	CTX	GC-25	_____ 40mm
TP-1	TP-1	GS-26	_____ 48mm
			_____ 65mm
5/8 Circle			
UR-6	UR-6	GU-46	_____ 26mm
S-18	.	.	_____ 33mm

Needle Points and Cutting Edges

Needle Type	Point Geometry	Description	Commonly Used For
Reverse Cutting		Triangular point with cutting edge on the outer curvature	Skin closure, ligamentous or fibrous tissues
Precision Reverse Cutting		Triangular point with cutting edge on the outer curvature and precisioned for added sharpness	Primarily used in plastic surgery for delicate procedures and where a good cosmetic result is desired
Taper Point		Round shaft, straight or curved, taper point with no cutting edge	Soft tissue closure such as fascia, vascular, gastrointestinal, and most soft tissue below the skin
Taper Cutting		Four (4) cutting edges with a taper shaft	For penetration through tough tissue
Straight Cutting		Reverse cutting tip on a straight shaft	General skin closure

Materials Guide

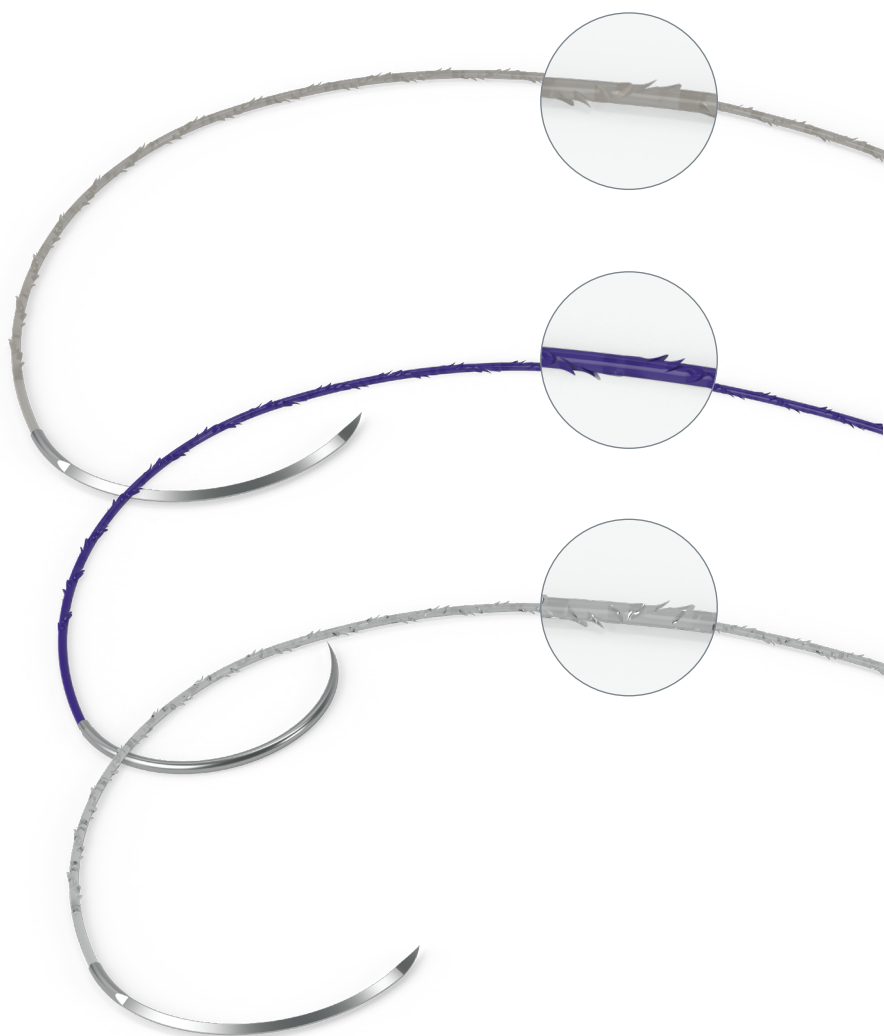
	Short-Term	Long-Term	Non-Absorbable
Material	Monoderm™ (PGA-PCL)	PDO (polydioxanone)	Polypropylene
Description	Monofilament Undyed (Clear) Dyed (Violet)	Monofilament Dyed (Violet)	Monofilament Undyed (Clear)
BSR Profile	In vivo strength retention: 42% to 76% at 7 days 36% to 52% at 14 days	In vivo strength retention: 80% at 2 weeks 60% at 4 weeks 40% at 6 weeks	Polypropylene is not absorbed, nor is any significant change in tensile strength retention known to occur in vivo.
Mass Absorption	Essentially complete between 90 and 120 days.	Minimal until approximately 120 days. Essentially complete by 180 days.	
	Comparable to V-Loc™-90	Comparable to V-Loc™-180	Comparable to V-Loc™-PBT

See Instructions For Use supplied with Quill™ barbed suture for indications, contraindications, warnings, and potential complications.

Monoderm™ is a synthetic absorbable monofilament. It has excellent pliability and handling characteristics and popular for subcuticular closure and soft tissue approximation.








PDO is a synthetic absorbable monofilament indicated for use in general soft tissue approximation and/or ligation but not for use in cardiovascular or neurological tissues, microsurgery or ophthalmic surgery.

Polypropylene is a synthetic non-absorbable monofilament suture. Tensile strength is superior to other true monofilaments. In addition, a unique extruding technique ensures a uniformly round cross section and a strand that passes easily through tissue.



Monoderm™ (PGA-PCL) Bi-Directional


ABSORBABLE


Needle	Color	Length	Size*				
			5-0	4-0	3-0	2-0	0
Monoderm™ – Precision Reverse Cutting							
 P-1 11mm 3/8 circle	Undyed	14 cm x 14 cm	YA-2002Q	YA-2004Q	YA-1020Q		
 P-3 13 mm 3/8 circle	Undyed	14 cm x 14 cm	YA-2003Q	YA-2005Q			
 PS-2 19 mm 3/8 circle	Undyed	3.5 cm x 3.5 cm			YA-1019Q	YA-1018Q	
		7 cm x 7 cm			YA-1001Q-0	YA-1000Q	
		14 cm x 14 cm			YA-1016Q-0 YA-2016Q**	YA-1012Q	YA-1004Q
		30 cm x 30 cm			YA-1021Q-0 YA-2021Q**	YA-1022Q-0 YA-2022Q**	
		40 cm x 40 cm			YA-2031Q	YA-2032Q	
 PS-1 24 mm 3/8 circle		30 cm x 30 cm			YA-2023Q	YA-2024Q	
		40 cm x 40 cm			YA-2033Q	YA-2034Q	
 PS 26 mm 3/8 circle	Undyed	7 cm x 7 cm				YA-1011Q	YA-1010Q
		14 cm x 14 cm				YA-1015Q-0	
		30 cm x 30 cm			YA-1023Q-0	YA-1024Q-0	
Monoderm™ – Reverse Cutting							
 CP-2 26 mm 1/2 circle	Undyed	14 cm x 14 cm					YA-1014Q
 CP-1 36 mm 1/2 circle	Undyed	36 cm x 36 cm					YA-2036Q
		45 cm x 45 cm					YA-2035Q

**This SKU is identical to the one appearing directly above it.

Monoderm™ (PGA-PCL) Bi-Directional

ABSORBABLE










			Size*				
Needle	Color	Length	3-0	2-0	0	1	2
Monoderm™ – Taper Point 							
 RB-1 17 mm 1/2 circle	Undyed	16 cm x 16 cm	RS-1001Q	VP-1000Q RS-1000Q**			
	Violet	16 cm x 16 cm		VP-2000Q			
 SH 26 mm 1/2 circle	Undyed	16 cm x 16 cm		RS-1005Q			
 CT-1 36 mm 1/2 circle	Undyed	14 cm x 14 cm			YA-1003Q		
		36 cm x 36 cm			YA-1029Q		

Monoderm™ – Straight Cutting							
 SC19 70 mm straight	Undyed	30 cm x 30 cm		YA-1050Q	YA-1051Q		

**This SKU is identical to the one appearing directly above it.

PDO (Polydioxanone) Bi-Directional









ABSORBABLE

			Size*					
Needle	Color	Length	4-0	3-0	2-0	0	1	2
PDO – Precision Reverse Cutting								
 P-1 12 mm 3/8 circle	Violet	7 cm x 7 cm		RA-1017Q				
 PS-2 19 mm 3/8 circle	Violet	3.5 cm x 3.5 cm		RA-1008Q	RA-1002Q			
		7 cm x 7 cm	RA-1012Q-0	RA-1010Q	RA-1007Q			
		14 cm x 14 cm		RA-1050Q-0	RA-1046Q			
		24 cm x 24 cm		RA-1051Q-0	RA-1036Q-0			
 PS 26 mm 3/8 circle	Violet	7 cm x 7 cm			RA-1016Q	RA-1015Q		
		14 cm x 14 cm		RA-1021Q	RA-1020Q-0	RA-1019Q-0		
		24 cm x 24 cm		RA-1052Q-0	RA-1028Q-0	RA-1030Q-0		
PDO – Reverse Cutting								
 OS-2 19 mm 1/2 circle	Violet	14 cm x 14 cm				RA-1001Q		
 CP-2 26 mm 1/2 circle	Violet	14 cm x 14 cm					RA-1004Q	RA-1006Q
		24 cm x 24 cm		RA-1056Q-0			RA-1032Q	RA-1034Q
 CP-1 36 mm 1/2 circle	Violet	36 cm x 36 cm				RX-2069Q		
		45 cm x 45 cm				RX-2068Q		
 CP 40 mm 1/2 circle	Violet	36 cm x 36 cm						RX-1066Q
		45 cm x 45 cm						RX-2066Q

* 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.

PDO (Polydioxanone) Bi-Directional








ABSORBABLE

Needle	Color	Length	Size*					
			4-0	3-0	2-0	0	1	2
PDO – Taper Point 								
 SH-1 22 mm 1/2 circle	Violet	14 cm x 14 cm			RA-1086Q		RA-1088Q	
 SH 26 mm 1/2 circle	Violet	10 cm x 10 cm			RA-1077Q	RA-1078Q		
		14 cm x 14 cm				RA-1079Q		
		40 cm x 40 cm			RA-1057Q			
 CT-1 36 mm 1/2 circle	Violet	7 cm x 7 cm				RX-1068Q		
		14 cm x 14 cm				RA-1000Q RX-1069Q**	RA-1003Q	RA-1005Q
		24 cm x 24 cm				RA-1029Q RX-1029Q**	RA-1031Q RX-1031Q	RA-1033Q RX-1033Q**
		30 cm x 30 cm					RA-1059Q RX-1059Q**	RA-1058Q RX-1058Q**
		36 cm x 36 cm				RA-1067Q		RX-1062Q
		45 cm x 45 cm				RA-2067Q		
 CTX 48 mm 1/2 circle	Violet	30 cm x 30 cm				RA-1060Q		
		36 cm x 36 cm						RA-1065Q
		45 cm x 45 cm						RA-2065Q
 S-18 33 mm straight	Violet	10 cm x 10 cm				RA-1085Q		
PDO – Taper Cutting 								
 STC8 50 mm straight	Violet	7 cm x 7 cm			RA-1013Q	RA-1023Q	RA-1024Q	

**This SKU is identical to the one appearing directly above it.

Polypropylene Bi-Directional







NON-ABSORBABLE








Needle	Color	Length	Size*			
			2-0	0	1	2
Polypropylene – Precision Reverse Cutting						
 PS-2 19 mm 3/8 circle	Undyed	7 cm x 7 cm	JA-1006Q			
Polypropylene – Reverse Cutting						
 CP-2 26 mm 1/2 circle	Undyed	14 cm x 14 cm			JA-1005Q	JA-1001Q
Polypropylene – Taper Point						
 SH-1 22 mm 1/2 circle	Undyed	14 cm x 14 cm			JA-1050Q	
 CT-1 36 mm 1/2 circle	Undyed	24 cm x 24 cm				JA-1007Q
		45 cm x 45 cm				JA-2007Q

* 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.

Monoderm™ (PGA-PCL) Uni-Directional

ABSORBABLE









			Size*				
Needle	Color	Length	4-0	3-0	2-0	0	1
Monoderm™ – Taper Point							
 RB-1 17 mm 1/2 circle	Undyed	15 cm			VLM-2014		
		20 cm			VLM-1005		
	Violet	15 cm			VLM-2015		
		20 cm		VLM-1008	VLM-2005		
		30 cm		VLM-1009	VLM-1021		
 SH 26 mm 1/2 circle	Violet	15 cm			VLM-2017	VLM-2013	
		20 cm			VLM-2006	VLM-1222	
	Undyed	20 cm			VLM-1006		
		30 cm				VLM-1013	
		45 cm				VLM-1020	
 UR-6 26 mm 5/8 circle	Violet	15cm			VLM-1018		
		20cm			VLM-2019		
 CT-1 36 mm 1/2 circle	Violet	20 cm				VLM-1025	
		30 cm				VLM-1015	
	Undyed	20 cm				VLM-1024	
		30 cm				VLM-1014	
		60 cm				VLM-1003	
 CT 40 mm 1/2 circle	Violet	70 cm				VLM-1017	









Needle	Color	Length	Size*			
			4-0	3-0	2-0	0
Monoderm™ – Precision Reverse Cutting						
 P3 13 mm 3/8 circle	Undyed	20 cm	VLM-3001	VLM-3002		
		30 cm		VLM-3003		
 PS-2 19 mm 3/8 circle	Undyed	20 cm	VLM-2007	VLM-3007 VLM-1010**	VLM-3009 VLM-1004**	
		30 cm	VLM-2008	VLM-3008 VLM-2003**	VLM-3010 VLM-2001**	
		45 cm		VLM-2018	VLM-2016	
		60 cm		VLM-2004	VLM-2002	
 PS-1 24 mm 3/8 circle	Undyed	20 cm		VLM-1011		
		30 cm		VLM-1012	VLM-1002	
		45 cm			VLM-2012	
		60 cm			VLM-1001	
 PS-1 26 mm 3/8 circle	Violet	20 cm				VLM-1023
	Undyed	20 cm				VLM-1022
Monoderm™ – Reverse Cutting						
 CP 40 mm 1/2 circle	Undyed	70 cm				VLM-1016

**This SKU is identical to the one appearing directly above it.

PDO (Polydioxanone) Uni-Directional

ABSORBABLE



Needle	Color	Length	Size*				
			3-0	2-0	0	1	2
PDO – Taper Point 							
 RB-1 17 mm 1/2 circle	Violet	15 cm		VLP-2022			
		20 cm		VLP-2020			
 SH-1 22 mm 1/2 circle	Violet	20 cm			VLP-1008		
		30 cm		VLP-2002	VLP-1003		
 SH 26 mm 1/2 circle	Violet	15 cm		VLP-2021			
		20 cm		VLP-2006	VLP-2008		
		30 cm			VLP-2009		
 CT-1 36 mm 1/2 circle	Violet	15 cm					VLP-2030
		20 cm			VLP-1001	VLP-2028	VLP-2016
		30 cm			VLP-1002	VLP-2015	VLP-2032
		45 cm			VLP-1004	VLP-2014	VLP-2025
		70 cm			VLP-2012		VLP-2024
 CT 40 mm 1/2 circle	Violet	70 cm				VLP-2013	
 CTX 48 mm 1/2 circle	Violet	70 cm					VLP-2010
 TP-1 65 mm 1/2 circle	Violet	60 cm					VLP-2031

			Size*				
Needle	Color	Length	3-0	2-0	0	1	2
PDO – Precision Reverse Cutting							
 P-3 13 mm 3/8 circle	Violet	20 cm	VLP-3021				
		30 cm	VLP-3022				
 PS-2 19 mm 3/8 circle	Violet	20 cm	VLP-3026	VLP-3027			
		30 cm		VLP-3028			
		45 cm	VLP-2029	VLP-2001			
 PS-1 24 mm 3/8 circle	Violet	45 cm		VLP-2026			
		60 cm		VLP-2027			
 PS 26 mm 3/8 circle	Violet	30 cm			VLP-2005		
PDO – Reverse Cutting							
 CP-1 36 mm 1/2 circle	Violet	20 cm			VLP-1005		
		30 cm			VLP-1006		
 CP 40 mm 1/2 circle	Violet	45 cm					VLP-2019
		70 cm					VLP-2011

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Polypropylene Uni-Directional

NON-ABSORBABLE

Needle	Color	Length	Size*				
			3-0	2-0	0	1	2
Polypropylene – Taper Point							
 SH-1 22 mm 1/2 circle	Undyed	15 cm				VLO-1005	
		30 cm			VLO-1001		
 CT-1 36 mm 1/2 circle	Undyed	15 cm				VLO-1004	VLO-1006
		20 cm					VLO-1007
		45 cm				VLO-1002	VLO-1003

Notes



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CORPORATION™



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Quill™ is also available through major healthcare distributors.

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