



Endo Surgery

FICHA TÉCNICA**

Filaprop™

NOMBRE COMERCIAL

Filaprop™

DEFINICIÓN

Sutura quirúrgica sintética, no absorbible, estéril, monofilamento de Polipropileno. Conforme a U.S.P..

FABRICANTE

Meril Endo Surgery Pvt. Ltd. Third Floor, E1-E3, Meril Park, Survey No. 135/2/B & 174/2, Muktanand Marg, Chala, Vapi – 396 191, Gujarat, India.

PLANTA DE PRODUCCIÓN:

El material que compone la sutura Filaprop™ se compra como materia prima que es sometida a una serie de procesos de transformación hasta obtener el producto terminado. Todo el proceso de fabricación se realiza en Salas Blancas de Clase ISO 8 o Grado D, es decir, Clase 100.000. La Sala Blanca tiene un ambiente controlado donde se mantienen parámetros adecuados de temperatura, humedad y presión diferencial.

DESCRIPCIÓN

Filaprop™ es una sutura quirúrgica sintética, no absorbible y monofilamento disponible en una amplia gama de calibres y longitudes, montada en agujas de acero inoxidable estándar de diferentes tipos y medidas.

COMPOSICIÓN

La sutura monofilamento está compuesta por estereoisómero cristalino isotáctico de polipropileno, una poliolefina lineal sintética. La fórmula molecular del polipropileno es $(C_3H_6)_n$.

La sutura Filaprop™ está teñida con azul de ftalocianina. La sutura no es antigénica ni pirogénica.

COLOR

Azul: Sec. 74.3045 [Ftalocianinato(2-)]cobre.

CALIBRES	de USP 10-0 (EP 0.2) a USP 2 (EP 5)
FUERZA TENSIL <i>in-vivo</i>	La sutura Filaprop™ induce una mínima reacción tisular inflamatoria, que es seguida por una encapsulación gradual de la sutura por el tejido conectivo fibroso. El polipropileno no se absorbe ni se degrada por la acción de las enzimas.
INDICACIONES	La sutura Filaprop™ está indicada para la aproximación de tejidos blandos en general y/o ligadura en procedimientos de cirugía cardiovascular y oftálmica.
ENVASADO	El envase de las suturas es conforme al anexo II de la Directiva 93/42/CEE, modificada por la Directiva 2007/47/CEE relativa a los productos sanitarios. Toda la documentación requerida se conserva en el establecimiento del fabricante. Envase primario: las suturas Filaprop™ se colocan delicadamente en el soporte Less Memory (LMT), que minimiza el efecto memoria, protegido por una cubierta de papel o en un envoltorio Triple Craft (PF). Los soportes o los envoltorios se envasan en un sobre que tiene la cara delantera (anverso) de poliéster moldeable CPT y la trasera (reverso) de Tyvek, selladas entre sí. Envase secundario: caja dispensadora de 12, 24 o 36 sobres, incluye las “Instrucciones de uso” (IFU). Envase terciario: los envases secundarios se agrupan y embalan para su envío y transporte en cajas de cartón de distintos tamaños en función del número de envases que contengan.
ETIQUETAS	En los envases Primario, Secundario y Terciario (Caja de Venta), se indica toda la información requerida por la legislación vigente y para la gestión correcta del producto, desde su conservación en almacén hasta su uso en quirófano..
ESTERILIZACIÓN	Óxido de etileno - Nivel de garantía de esterilidad (SAL) 10 ⁻⁶ . Conforme a la norma ISO 11135.
CONSERVACIÓN	En lugar seco, entre 15 y 30 °C, protegido de la luz del sol. Producto de un solo uso (no reesterilizar), no utilizar si el envase está dañado.
CADUCIDAD	5 años
EMDN	H010201010401 - mounted polypropylene for open surgery
SISTEMA DE CALIDAD DE LA PLANTA DE PRODUCCIÓN	

EU MDR 2017/745:2017, EN ISO 13485:2016, EN ISO 14971:2019, ISO/TR 24971:2020, EN 62366-1:2015, ISO/TR 62366-2:2016, USP 45 NF 40, EP 10th Edition, EN ISO 14630:2012, EN ISO 10993-1:2020, EN ISO 10993-3:2014, EN ISO 10993-4:2017, EN ISO 10993-5:2009, EN ISO 10993-6:2016, EN ISO 10993-10:2021, EN ISO 10993-23:2021, EN ISO 10993-11:2018, EN ISO 10993-18:2020, EN ISO 11607-1:2020, EN ISO 11607-2:2020, EN ISO 11137-1:2019, EN ISO 11137-2:2015, EN ISO 11737-1:2021, EN ISO 11737-2:2020, EN 556-1:2006, EN ISO 14644-1:2015, EN ISO 14644-2:2015, EN ISO 14644-3:2019, EN 20417:2021, EN ISO 15223-1:2021, ASTM F 1980:2021, ASTM F 899:2020, ASTM F 3014:2014, ASTM F 88:2021, ASTM F1886/F1886M:2016, ASTM F 1929:2015, ASTM D4169:2022, ASTM D999:2015, ASTM D5276:2019, MDCG 2020-6:2020, MDCG 2020-7:2020, MDCG 2020-8:2020, MDCG 2019-9:2022, MDCG 2021-24:2021, MEDDEV 2.4/1; Rev.9/2010, MEDDEV 2.7.1; Rev.4/2016, MEDDEV 2.12/1; Rev.8/2013, MEDDEV 2.12/2; Rev.2/2010., United States Pharmacopoeia 45 NF 40 & EUROPEAN PHARMACOPOEIA 10th Edition.

CONFORMIDAD

Filaprop™ cumple con los requisitos establecidos por la Farmacopea Estadounidense (U.S.P.) para “Sutura quirúrgica no absorbible” y la Farmacopea Europea (E.P) para “Hilo sintético estéril no absorbible monofilamento”.

Anexo II, incluida la sección 4 de la Directiva de Productos Sanitarios 93/42/CEE.

CE N°

2460

CLASIFICACIÓN

Clase III según la Regla 8, de la Sección 2.4 de la Directiva de Productos Sanitarios 93/42/CEE

CCPS Registro N°

Sutura con aguja: PS/2023/03366(D)

SIN LÁTEX

Todas las suturas Meril son libres de Látex.

SIN FTALATOS

Todas las suturas Meril son libres de Ftalatos.

Rev. noviembre 2023



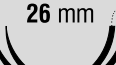
CURVATURE	 TAPER POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	5 mm 	10-0	0,2	13	1	12	Blue, Double-armed	PPL1002794	
		9-0	0,3	90	1	12	Blue, Double-armed	PPL902780	
	5,1 mm 	9-0	0,3	13	1	12	Blue, Double-armed	PPL902783	
	6 mm 	8-0	0,4	13	1	12	Blue	PPL802775	
	6 mm 	10-0	0,2	13	1	12	Blue, Double-armed	PPL1002795	
		8-0	0,4	60	1	12	Blue, Double-armed	PPL80812	MERISMOOTH
		8-0	0,4	60	1	12	Blue, Double-armed	PPL80 8086XF	
		8-0	0,4	45	1	12	Blue, Double-armed	PPL802777	
		7-0	0,5	75	1	12	Blue, Double-armed	PPL702076XL	
		7-0	0,5	60	1	12	Blue, Double-armed	PPL70811	MERISMOOTH
		7-0	0,5	60	1	12	Blue, Double-armed	PPL70 2076	
	6,5 mm  	8-0	0,4	75	1	12	Blue, Black needle, Double-armed	PPL808732BXL	
		8-0	0,4	60	1	12	Blue, Black needle, Double-armed	PPL808732B	
	6,5 mm 	8-0	0,4	75	1	12	Blue, Double-armed	PPL808732XL	
		8-0	0,4	60	1	12	Blue, Double-armed, Hemovas needle	PPL808732	HV 130-5
		8-0	0,4	60	1	12	Blue, Double-armed	PPL805662	
		7-0	0,5	60	1	12	Blue, Double-armed	PPL708207	
	8 mm  	7-0	0,5	75	1	12	Blue, Black needle, Double-armed	PPL708078BXL	
		7-0	0,5	75	1	12	Blue, Black needle, Double-armed	PPL702078BX	
		7-0	0,5	60	1	12	Blue, Black needle, Double-armed	PPL708078BL	
		6-0	0,7	60	1	12	Blue, Black needle, Double-armed	PPL60 8305BL	
	8 mm 	8-0	0,4	75	1	12	Blue, Double-armed	PPL808741XL	
		8-0	0,4	60	2	12	Blue, Double-armed, Hemovas needle	PPL80876ML	HV-175-7
		8-0	0,4	60	1	12	Blue, Double-armed, Hemovas needle	PPL80876	HV 175-7
		8-0	0,4	60	1	12	Blue, Double-armed, Hemovas needle	PPL808741	HV 175-6
		8-0	0,4	60	1	12	Blue, Double-armed	PPL808088	
		7-0	0,5	60	2	12	Blue, Double-armed, Hemovas needle	PPL70866ML	HV-175-7
		7-0	0,5	60	1	12	Blue, Double-armed, Hemovas needle	PPL70866	HV 175-7
		7-0	0,5	60	1	12	Blue, Double-armed, Hemovas needle	PPL708735	HV 175-6
		7-0	0,5	60	1	12	Blue, Double-armed	PPL708078	
		6-0	0,7	90	1	12	Blue, Double-armed	PPL60893XL	
		6-0	0,7	70	1	12	Blue, Double-armed	PPL60893	ULTRAPPOINT

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CURVATURE	 TAPER POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	11 mm  	6-0	0,7	75	1	12	Blue, Black needle, Double-armed	PPL608597BXL	
	11 mm 	6-0	0,7	60	1	12	Blue, Double-armed, Hemovas needle	PPL608597	HV
	12 mm 	5-0	1	70	1	12	Blue	PPL50827	
	12 mm 	5-0 6-0	1 0,7	70 75	1 1	12 12	Blue, Double-armed Blue, Double-armed	PPL50827DN PPL608776	
	13 mm 	6-0 5-0	0,7 1	75 75	1 1	12 12	Blue Blue	PPL608889 PPL508890	
	13 mm  	6-0 6-0 6-0 6-0 5-0	0,7 0,7 0,7 0,7 1	75 75 60 60 75	1 1 1 1 1	12 12 12 12 12	Blue, Black needle, Double-armed Blue, Black needle, Double-armed Blue, Black needle, Double-armed Blue, Black needle, Double-armed Blue, Black needle, Double-armed	PPL608706 PPL608726BX PPL608307 PPL608307BL PPL508321	
	13 mm 	7-0 6-0 6-0 6-0 6-0 6-0 6-0 6-0 5-0 5-0	0,5 0,7 0,7 0,7 0,7 0,7 0,7 0,7 1 1	60 90 75 70 60 60 60 45 75 45	1 1 1 1 1 1 1 1 1 1	12 12 12 12 12 12 12 12 12 12	Blue, Double-armed Blue, Double-armed Blue, Double-armed Blue, Double-armed Blue, Double-armed Blue, Double-armed Blue, Double-armed Blue, Double-armed Blue, Double-armed Blue, Double-armed	PPL708725 PPL608726XXL PPL608726XL PPL60829 PPL60818 PPL608726 PPL608718 PPL608726SL PPL508721 PPL508717	280 microns 280 microns
	16 mm 	5-0	1	70	1	12	Blue	PPL50881	
	16 mm 	5-0	1	70	1	12	Blue, Double-armed	PPL50882DN	

CURVATURE	 TAPER POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	17 mm 	5-0	1	90	1	12	Blue	PPL508019	
		5-0	1	75	1	12	Blue	PPL508850	
	18 mm 	4-0	1,5	90	1	12	Blue, Double-armed	PPL408861	
	30 mm 	2-0	3	70	1	12	Blue	PPL208230	
1/2	8 mm 	8-0	0,4	75	1	12	Blue, Double-armed	PPL802774	
	9 mm 	6-0	0,7	60	1	12	Blue	PPL608029	
	9 mm 	7-0	0,5	75	1	12	Blue, Double-armed	PPL708709	
	10 mm 	5-0	1	60	1	12	Blue	PPL508606	
	10 mm 	6-0	0,7	75	1	12	Blue, Double-armed	PPL608610	
		6-0	0,7	60	1	12	Blue, Double-armed	PPL608207	
		5-0	1	60	1	12	Blue, Double-armed	PPL508803	
	11 mm  	5-0	1	75	1	12	Blue, Black needle, Double-armed	PPL508802BX	
	11 mm 	5-0	1	75	1	12	Blue, Double-armed	PPL508802	
	13 mm 	5-0	1	75	1	12	Blue	PPL508711	

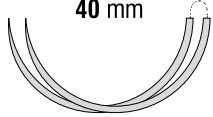
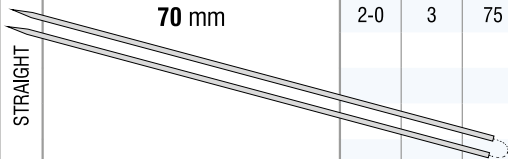
CURVATURE	TAPER POINT 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	13 mm  	6-0	0,7	60	1	12	Blue, Black needle, Double-armed	PPL608860	
		5-0	1	75	1	12	Blue, Black needle, Double-armed	PPL508710BL	
	13 mm 	6-0	0,7	75	1	12	Blue, Double-armed	PPL600737	
		5-0	1	75	1	12	Blue, Double-armed	PPL508710	
		5-0	1	60	1	12	Blue, Double-armed	PPL508205	
		4-0	1,5	90	1	12	Blue, Double-armed	PPL408204	
		4-0	1,5	60	1	12	Blue, Double-armed	PPL408204SL	
	16 mm 	4-0	1,5	70	1	12	Blue	PPL40849	
		3-0	2	90	1	12	Blue	PPL308559	
	16 mm 	5-0	1	90	1	12	Blue, Double-armed	PPL50856	w
		5-0	1	90	1	12	Blue, Double-armed	PPL508556	
		4-0	1,5	90	1	12	Blue, Double-armed	PPL408557	
	17 mm 	5-0	1	90	1	12	Blue	PPL508557	
		5-0	1	75	1	12	Blue	PPL508557SL	
		4-0	1,5	90	1	12	Blue	PPL408558	
		4-0	1,5	75	1	12	Blue	PPL408558SL	
		3-0	2	90	1	12	Blue	PPL308558	
		3-0	2	75	1	12	Blue	PPL308558SL	
	17 mm  	4-0	1,5	90	1	12	Blue, Black needle, Double-armed	PPL408329	
	17 mm 	5-0	1	90	1	12	Blue, Double-armed	PPL508756	
		4-0	1,5	90	1	12	Blue, Double-armed	PPL408558DN	
		3-0	2	90	1	12	Blue, Double-armed	PPL308558DN	
	19 mm 	5-0	1	75	1	12	Blue	PPL508719	
	20 mm 	4-0	1,5	90	1	12	Blue	PPL408761	
		3-0	2	70	1	12	Blue	PPL30887	
		2-0	3	75	1	12	Blue	PPL2085200	
	20 mm 	4-0	1,5	90	1	12	Blue, Double-armed	PPL408761DN	

CURVATURE	 TAPER POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	22 mm 	5-0	1	75	1	12	Blue	PPL508371	
		4-0	1,5	90	1	12	Blue	PPL408762	
		3-0	2	75	1	12	Blue	PPL308770	
	22 mm  	3-0	2	90	1	12	Blue, Black needle, Double-armed	PPL308771BXL	
	22 mm 	4-0	1,5	75	1	12	Blue, Double-armed	PPL408526DN	
		3-0	2	75	1	12	Blue, Double-armed	PPL308771	
		3-0	2	90	1	12	Blue, Double-armed	PPL308771XL	
	25 mm 	3-0	2	90	1	12	Blue	PPL30825	
		3-0	2	70	1	12	Blue	PPL30838	
	26 mm 	4-0	1,5	90	1	12	Blue	PPL408355	
		3-0	2	120	1	12	Blue	PPL308534	
		3-0	2	75	1	12	Blue	PPL308832	
		2-0	3	90	1	12	Blue	PPL208523	
		2-0	3	75	1	12	Blue	PPL208833	
		0	3,5	75	1	12	Blue	PPL108026	
	26 mm  	4-0	1,5	90	1	12	Blue, Black needle, Double-armed	PPL408521V	
		3-0	2	90	1	12	Blue, Black needle, Double-armed	PPL308355	
	26 mm 	5-0	1	120	1	12	Blue, Double-armed	PPL508526XL	
		5-0	1	75	1	12	Blue, Double-armed	PPL508526	
		4-0	1,5	120	1	12	Blue, Double-armed	PPL405709	
		4-0	1,5	90	1	12	Blue, Double-armed	PPL40 8521	
		4-0	1,5	75	1	12	Blue, Double-armed	PPL408521SL	
		3-0	2	90	1	12	Blue, Double-armed	PPL308522	
		2-0	3	75	1	12	Blue, Double-armed	PPL208834	
		0	3,5	100	1	12	Blue, Double-armed	PPL108026XDN	
		0	3,5	90	1	1	Blue, Double-armed	PPL10 824MIPH	

CURVATURE	 TAPER POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	30 mm 	3-0	2	90	1	12	Blue	PPL308525	
		2-0	3	90	1	12	Blue	PPL20844	
		2-0	3	75	1	12	Blue	PPL20844SL	
		2-0	3	70	1	12	Blue	PPL20841	
		0	3,5	90	1	12	Blue	PPL10846	
		0	3,5	75	1	12	Blue	PPL100830	
		0	3,5	70	1	12	Blue	PPL10830	
		1	4	70	1	12	Blue, Heavy needle	PPL01840	
	30 mm 	2-0	3	90	1	12	Blue, Double-armed	PPL20844DN	
	31 mm  	2-0	3	90	1	12	Blue, Black needle, Double-armed	PPL20295	
	31 mm 	2-0	3	75	1	12	Blue	PPL208231	
		0	3,5	100	1	12	Blue	PPL108430	
	31 mm 	3-0	2	90	1	12	Blue, Double-armed	PPL308525DN	
		2-0	3	90	1	12	Blue, Double-armed	PPL208526	
	36 mm 	3-0	2	90	1	12	Blue	PPL308336	
		2-0	3	90	1	12	Blue	PPL208236	
		1	4	100	1	12	Blue	PPL01842	
	36 mm 	3-0	2	90	1	12	Blue, Double-armed	PPL307499	
		2-0	3	90	1	12	Blue, Double-armed	PPL208943	
	37 mm 	0	3,5	75	1	12	Blue	PPL108424	
	40 mm 	0	3,5	100	1	12	Blue	PPL108434XL	
		0	3,5	75	1	12	Blue	PPL108434	
		1	4	70	1	12	Blue, Heavy needle	PPL01 843	
		1	4	70	1	12	Blue	PPL01 843DS	

FILAPROP™

Polypropylene Suture

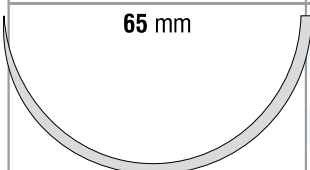
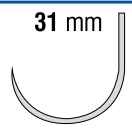
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		USP	EP						
1/2		2-0	3	90	1	12	Blue, Double-armed	PPL20 2040DN	
		2-0	3	75	1	12	Blue	PPL208275	
		0	3,5	75	1	12	Blue	PPL108075	
		2	5	75	1	12	Blue	PPL028275	
		1	4	150	1	12	Blue, Heavy needle, Loop	PPL01834	
STRAIGHT		2-0	3	75	1	12	Blue, Double-armed	PPL208400	

CURVATURE	BLUNT POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2		1	4	100	1	12	Blue	PPL018999	

CURVATURE	 TAPERCUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	8 mm  	8-0	0,4	60	1	12	Blue, Black needle, Double-armed	PPL808101BL	C2
		8-0	0,4	45	1	12	Blue, Black needle, Double-armed	PPL808101BSL	C2
	8 mm 	7-0	0,5	60	1	12	Blue, Double-armed	PPL70804	C2
	9 mm 	6-0	0,7	90	1	12	Blue	PPL608806	
	9 mm  	8-0	0,4	60	1	12	Blue, Black needle, Double-armed	PPL808703	C2
		7-0	0,5	75	1	12	Blue, Black needle, Double-armed	PPL707237BL	C2
		7-0	0,5	60	1	12	Blue, Black needle, Double-armed	PPL708121BL	C2
	9 mm 	7-0	0,5	75	1	12	Blue, Double-armed	PPL708704XL	C2
		7-0	0,5	60	1	12	Blue, Double-armed	PPL708704	C2
		6-0	0,7	75	1	12	Blue, Double-armed	PPL608807XL	C2
		6-0	0,7	60	1	12	Blue, Double-armed	PPL608807	C2
		5-0	1	60	1	12	Blue, Double-armed	PPL508663	ONERATIO
	9,3 mm  	6-0	0,7	75	1	12	Blue, Black needle, Double-armed	PPL607234	C2
	9,3 mm 	7-0	0,5	75	1	12	Blue, Double-armed	PPL707237	C2
	10 mm 	7-0	0,5	75	1	12	Blue, Double-armed	PPL708545	
		7-0	0,5	60	1	12	Blue, Double-armed	PPL708704N	C2
	11 mm  	6-0	0,7	75	1	12	Blue, Black needle, Double-armed	PPL608802BXL	C2
	11 mm 	7-0	0,5	60	1	12	Blue, Double-armed	PPL70 8700	C2 ex PPL708802
		7-0	0,5	90	1	12	Blue, Double-armed	PPL708801	C2
		6-0	0,7	75	1	12	Blue, Double-armed	PPL608802XL	C2
		6-0	0,7	60	1	12	Blue, Double-armed	PPL608802	C2

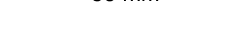
CURVATURE	 TAPERCUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	12 mm 	5-0	1	90	1	12	Blue, Double-armed	PPL505969	
	13 mm 	6-0	0,7	75	1	12	Blue	PPL607975	C2
		5-0	1	90	1	12	Blue	PPL508722	
	13 mm 	6-0	0,7	75	1	12	Blue, Black needle, Double-armed	PPL608814BL	C2
		5-0	1	90	1	12	Blue, Black needle, Double-armed	PPL508720BL	
	13 mm 	7-0	0,5	60	1	12	Blue, Double-armed	PPL708813	C2
		6-0	0,7	75	1	12	Blue, Double-armed	PPL608814	C2
		6-0	0,7	60	1	12	Blue, Double-armed	PPL608707	C2
		5-0	1	75	1	12	Blue, Double-armed	PPL508720	C2
	16 mm 	6-0	0,7	45	1	12	Blue	PPL608005	
1/2	11 mm 	5-0	1	60	1	12	Blue, Double-armed	PPL508804	
	13 mm 	6-0	0,7	60	1	12	Blue, Double-armed	PPL608815	C2
		5-0	1	75	1	12	Blue, Double-armed	PPL508816	C2
		5-0	1	60	1	12	Blue, Double-armed	PPL508664	C2 ONERATIO
		4-0	1,5	75	1	12	Blue, Double-armed	PPL408665	ONERATIO
	16 mm 	5-0	1	90	1	12	Blue, Double-armed	PPL508830	C2 ONERATIO
		4-0	1,5	90	1	12	Blue, Double-armed	PPL408417	
		3-0	2	90	1	12	Blue, Double-armed	PPL308667	
	17 mm 	4-0	1,5	70	1	12	Blue	PPL40 835	
		4-0	1,5	90	1	12	Blue	PPL40 857	
		4-0	1,5	90	1	12	Blue	PPL400835	
		3-0	2	90	1	12	Blue	PPL308317	
		2-0	3	90	1	12	Blue	PPL208938	
	17 mm 	5-0	1	75	1	12	Blue, Double-armed	PPL508517	
	17,5 mm 	4-0	1,5	90	1	12	Blue, Double-armed	PPL408935	
		3-0	2	90	1	12	Blue, Double-armed	PPL308936	
		2-0	3	90	1	12	Blue, Double-armed	PPL208937	

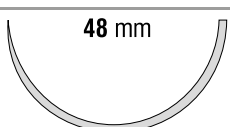
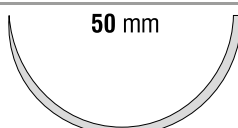
CURVATURE	 TAPERCUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	20 mm 	4-0	1,5	90	1	12	Blue, Double-armed	PPL408841DN	
	25 mm 	3-0	2	90	1	12	Blue	PPL308977	
		4-0	1,5	90	1	12	Blue	PPL408425	
		2-0	3	70	1	12	Blue	PPL20 807	
	25 mm 	4-0	1,5	90	1	12	Blue, Double-armed	PPL40867	
	26 mm 	2-0	3	90	1	12	Blue	PPL208926	
	26 mm 	3-0	2	90	1	12	Blue, Black needle, Double-armed	PPL308608	
		2-0	3	90	1	12	Blue, Black needle, Double-armed	PPL208977V	
	26 mm 	2-0	3	90	1	12	Blue, Double-armed	PPL20 8977	
		3-0	2	90	1	12	Blue, Double-armed	PPL308976	
		3-0	2	120	1	12	Blue, Double-armed	PPL307778	
		4-0	1,5	90	1	12	Blue, Double-armed	PPL408845	C2
	30 mm 	0	3,5	90	1	12	Blue, Heavy needle	PPL10894	
	31 mm 	2-0	3	90	1	12	Blue, Double-armed	PPL208850	C2
		3-0	2	90	1	12	Blue, Double-armed	PPL308849DN	
	36 mm 	3-0	2	90	1	12	Blue	PPL308318	
	37 mm 	0	3,5	75	1	12	Blue	PPL108037	
	40 mm 	2-0	3	90	1	12	Blue	PPL208852	C2

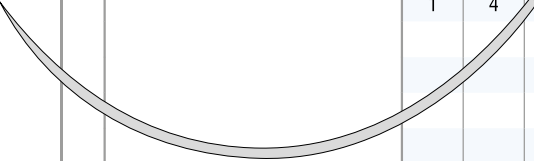
CURVATURE	 TAPERCUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	 40 mm	2-0	3	90	1	12	Blue, Double-armed	PPL208852DN	C2
		3-0	2	90	1	12	Blue, Double-armed	PPL308851	C2
		2-0	3	90	1	12	Blue, Double-armed	PPL208276	ex PPL20208276
	 45 mm	0	3,5	75	1	12	Blue	PPL108039	
		1	4	90	1	12	Blue	PPL018450	
		2	5	75	1	12	Blue	PPL028445	
	 48 mm	2	5	75	1	12	Blue	PPL028485	
	 65 mm	2	5	150	1	12	Blue	PPL028265	
HOOK	 31 mm	0	3,5	100	1	12	Blue	PPL10982J	

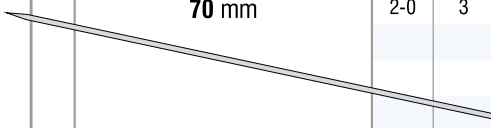
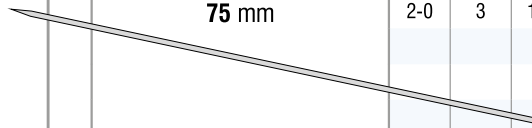
CURVATURE	FLASH POINT CONVENTIONAL CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	13 mm 	6-0	0,7	70	1	12	Blue	PPL60 817	
	16 mm 	6-0	0,7	90	1	12	Blue	PPL608873	
		5-0	1	90	1	12	Blue	PPL508006	
		5-0	1	45	1	12	Blue	PPL508006SL	
		4-0	1,5	90	1	12	Blue	PPL408875	
		4-0	1,5	70	1	12	Blue	PPL40 870	
		4-0	1,5	45	1	12	Blue	PPL408007	
	19 mm 	5-0	1	90	1	12	Blue	PPL508010	
		4-0	1,5	45	1	12	Blue	PPL408011	
		3-0	2	45	1	12	Blue	PPL308878	
	25 mm 	4-0	1,5	90	1	12	Blue	PPL408879	
	26 mm 	4-0	1,5	45	1	12	Blue	PPL408021	
		3-0	2	45	1	12	Blue	PPL308021	

CURVATURE	FLASH POINT REVERSE CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	11 mm 	6-0	0,7	75	1	12	Blue	PPL608868XL	
		6-0	0,7	45	1	12	Blue	PPL608868	
	13 mm 	6-0	0,7	45	1	12	Blue	PPL608871	
		5-0	1	45	1	12	Blue	PPL508698	
		4-0	1,5	45	1	12	Blue	PPL405742	
	16 mm 	5-0	1	90	1	12	Blue	PPL508882	
		5-0	1	45	1	12	Blue	PPL508882SL	
		4-0	1,5	45	1	12	Blue	PPL408884	
	19 mm 	5-0	1	90	1	12	Blue	PPL508014	
		5-0	1	45	1	12	Blue	PPL508686	
		4-0	1,5	90	1	12	Blue	PPL408015	
		4-0	1,5	75	1	12	Blue	PPL408015SL	
		4-0	1,5	70	1	12	Blue	PPL408682XL	
		3-0	2	75	1	12	Blue	PPL308687	
	24 mm 	3-0	2	75	1	12	Blue	PPL307694	
	26 mm 	3-0	2	90	1	12	Blue	PPL308685	
		3-0	2	75	1	12	Blue	PPL308685L	
		3-0	2	45	1	12	Blue	PPL308025	
		2-0	3	45	1	12	Blue	PPL208026	

CURVATURE	REVERSE CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	10 mm 	6-0	0,7	45	1	12	Blue	PPL6013433	
	12 mm 	6-0	0,7	45	1	12	Blue	PPL60 878	
		5-0	1	90	1	12	Blue	PPL50 889	
		4-0	1,5	45	1	12	Blue	PPL40 879	
	13 mm 	5-0	1	75	1	12	Blue	PPL508895	
		5-0	1	70	1	12	Blue	PPL50 862	
	16 mm 	6-0	0,7	75	1	12	Blue	PPL608616	
		6-0	0,7	45	1	12	Blue	PPL608680	
		4-0	1,5	90	1	12	Blue	PPL408416	
		4-0	1,5	45	1	12	Blue	PPL400525	
		3-0	2	90	1	12	Blue	PPL308549	
	17 mm 	5-0	1	75	1	12	Blue	PPL508750	
3/8	19 mm 	4-0	1,5	45	1	12	Blue	PPL408683	ex PPL408682
		3-0	2	45	1	12	Blue	PPL308665	
	24 mm 	4-0	1,5	90	1	12	Blue	PPL408684	
		4-0	1,5	75	1	12	Blue	PPL407758SL	
		3-0	2	45	1	12	Blue	PPL308684	
		2-0	3	100	1	12	Blue	PPL208685XL	
		2-0	3	75	1	12	Blue	PPL208685	
	30 mm 	3-0	2	75	1	12	Blue	PPL308675	
		2-0	3	75	1	12	Blue	PPL207697	
		0	3,5	90	1	12	Blue	PPL102815	
	37 mm 	0	3,5	75	1	12	Blue	PPL108691	
	40 mm 	3-0	2	75	1	12	Blue	PPL308340	
		2-0	3	90	1	12	Blue	PPL208689	
		0	3,5	75	1	12	Blue	PPL108690	
	90 mm 	1	4	75	1	12	Blue	PPL018140	
		2-0	3	90	1	12	Blue	PPL200987	
		1	4	90	1	12	Blue	PPL018190	

CURVATURE	REVERSE CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	9 mm 	6-0	0,7	60	1	12	Blue	PPL608030	
	10 mm 	5-0	1	60	1	12	Blue	PPL508104	
	13 mm 	5-0	1	75	1	12	Blue	PPL508315	
	17 mm 	5-0 4-0	1 1,5	90 75	1 1	12 12	Blue Blue	PPL508957 PPL408575	
	30 mm 	3-0 2-0	2 3	75 90	1 1	12 12	Blue Blue	PPL308338 PPL208931	
	36 mm 	3-0 2-0	2 3	90 90	1 1	12 12	Blue Blue	PPL308337 PPL208237	
	40 mm 	3-0 2-0 0 0 1	2 3 3,5 3,5 4	90 90 100 90 100	1 1 1 1 1	12 12 12 12 12	Blue Blue Blue Blue Blue	PPL308640 PPL208952 PPL108470XL PPL108470 PPL01884	
	45 mm 	2-0 0 1 2	3 3,5 4 5	75 75 100 75	1 1 1 1	12 12 12 12	Blue Blue Blue, Heavy needle Blue	PPL208245 PPL108045 PPL01 883 PPL028245	
	48 mm 	1	4	100	1	12	Blue	PPL018576	
	50 mm 	1	4	90	1	12	Blue	PPL018475	

CURVATURE	CONVENTIONAL CUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	15 mm 	6-0 5-0	0,7 1	70 70	1 1	12 12	Blue Blue	PPL60 823 PPL50 826	
	16 mm 	3-0	2	75	1	12	Blue	PPL3013453	
	22 mm 	3-0	2	70	1	12	Blue	PPL30 018	
	24 mm 	0	3,5	75	1	12	Blue	PPL108024	
	25 mm 	3-0	2	90	1	12	Blue	PPL30 800	
	36 mm 	3-0 2-0	2 3	75 75	1 1	12 12	Blue Blue	PPL300626 PPL208979	
	38 mm 	0	3,5	75	1	12	Blue	PPL108038	
	40 mm 	2-0	3	100	1	12	Blue	PPL208690	
	90 mm 	2-0 1	3 4	90 90	1 1	12 12	Blue Blue	PPL200988 PPL012989	

CURVATURE	CONVENTIONAL CUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	13 mm 	4-0	1,5	75	1	12	Blue, Double-armed	PPL408666	
	20 mm 	4-0	1,5	90	1	12	Blue, Double-armed	PPL408840	
	22 mm 	3-0	2	45	1	12	Blue	PPL308731	
	26 mm 	2-0	3	75	1	12	Blue	PPL208978	
	26 mm 	4-0	1,5	90	1	12	Blue, Double-armed	PPL408846	
	40 mm 	1	4	100	1	12	Blue	PPL012988	
STRAIGHT	16 mm 	10-0	0,2	23	1	12	Blue, Double-armed	PPL100 1713DN	
	55 mm 	2-0	3	90	1	12	Blue	PPL208571	
	60 mm 	3-0	2	90	1	12	Blue	PPL300621	
		3-0	2	75	1	12	Blue	PPL3013413	
		3-0	2	70	1	12	Blue	PPL30888	
		2-0	3	90	1	12	Blue	PPL200623	
		2-0	3	75	1	12	Blue	PPL200631	
	70 mm 	2-0	3	90	1	12	Blue	PPL200753	
	75 mm 	2-0	3	100	1	12	Blue	PPL200752	

CURVATURE	TAPER POINT / ULTRA POINT, CURVED SPATULA	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	6 mm  TAPER POINT  ULTRA POINT CURVED SPATULA  6 mm	10-0	0,2	30	1	12	Blue, Double-armed	PPL1002795XL	

CURVATURE	TAPER POINT / TAPERCUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	16 mm  TAPER POINT  TAPERCUTTING  16 mm	5-0	1	90	1	12	Blue, Double-armed	PPL508757	
1/2	20 mm  TAPER POINT  TAPERCUTTING  20 mm	3-0	2	90	1	12	Blue, Double-armed	PPL309557	

CURVATURE	TAPER POINT / TROCAR	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	26 mm  TAPER POINT   TROCAR  26 mm	3-0	2	90	1	12	Blue, Double-armed	PPL308833	
	30 mm  TAPER POINT   TROCAR  30 mm	1	4	75	1	12	Blue, Double-armed	PPL018130	

Needle-Thread Combinations for Ophthalmic Surgery

CURVATURE	ULTRA POINT CURVED SPATULA 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/4	13 mm 	10-0	0,2	20	1	12	Blue, Double-armed	PPL1009092DN	
		10-0	0,2	10	1	12	Blue, Double-armed	PPL1009091DN	
3/8	6 mm 	10-0	0,2	45	1	12	Blue	PPL1001713E	