



Endo Surgery

FICHA TÉCNICA**

MITSU™

NOMBRE COMERCIAL	MITSU™
DEFINICIÓN	Sutura trenzada sintética absorbible con pérdida media de la fuerza tensil.
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 MITSU™ 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 Sala Blanca 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	Sutura trenzada, sintética, absorbible y recubierta disponible en una amplia gama de calibres, tanto montada en agujas de diferentes tipos como en hilo sin aguja.
EMDN	H010101010201 Sutures, polyglyconate with needle
CCPS Registro Nº	PS/2023/03694(D)
COLOR	Violeta (D&C violeta nº 2, Índice de color nº 74.3602) e incolora.



COMPOSICIÓN	<p>Poliglactina 910, Copolímero de Ácido Poliglicólico (90%) y Ácido L-Láctico (10%). La fórmula empírica es $(C_2H_2O_2)_m(C_3H_4O_2)_n$.</p> <p>El polímero no muestra propiedades antigénicas ni pirogénicas.</p>
RECUBRIMIENTO	<p>Mezcla compuesta en partes iguales por Copolímero de Ácido Poliglicólico y Láctico (Poliglactina 370) y Estearato de Calcio. La fórmula empírica del polímero es $(C_2H_2O_2)_m(C_3H_4O_2)_n$ y del Estearato de calcio es $C_{36}H_{70}O_4Ca$</p> <p>Los componentes del recubrimiento no muestran propiedades antigénicas ni pirogénicas. El recubrimiento no afecta al diámetro ni a la fuerza tensil del material de sutura.</p>
SIN LÁTEX	<p>Todas las suturas Meril son libres de Látex.</p>
SIN FTALATOS	<p>Todas las suturas Meril son libres de Ftalatos.</p>
INDICACIONES	<p>La sutura MITSU™ está indicada para la aproximación y/o ligaduras de tejidos, así como en cirugía oftálmica, anastomosis de nervio periférico y microcirugía.</p> <p>La elección de la técnica de implantación depende del estado del paciente, la técnica quirúrgica, el tamaño de la herida, las características del tejido y las preferencias del cirujano.</p>
FUNCIONAMIENTO <i>in-vivo</i>	<p>Fuerza tensil: mantiene el 75% de la fuerza tensil inicial durante 14 días tras implantada, 50% a 21 días. La posterior pérdida de fuerza tensil se produce entre las semanas cuarta y quinta de implantada.</p> <p>Absorción: la absorción por hidrólisis se completa en 56 - 70 días tras la implantación.</p> <p>Reacciones adversas: Tras la implantación se produce una respuesta inflamatoria transitoria tipo cuerpo extraño con formación de tejido conectivo fibroso.</p>
FUERZA TENSIL <i>in-vitro</i>	<p>La sutura MITSU™ cumple con los requisitos establecidos en las últimas ediciones de la Farmacopea Estadounidense (U.S.P.) y de la Farmacopea Europea (E.P) para Suturas Quirúrgicas Absorbibles, en lo referente a la fuerza tensil del nudo y a la unión hilo/aguja.</p>

SISTEMA DE CALIDAD DE LA PLANTA DE PRODUCCIÓN

EU MDR 2017/745:2017, MDD/93/42/EEC:2007, EN ISO 13485:2016, EN ISO 14971:2019, ISO/TR 24971:2020, EN 62366:2015, ISO/TR 62366-2:2016, EN ISO 14620:2012, EN ISO 10993-1:2020, EN ISO 10993-3:2014, EN ISO 10993-5:2009, EN ISO 10993-6:2016, EN ISO 10993-7:2008, EN ISO 10993-10:2021, EN ISO 10993-23:2021, EN ISO 10993-11:2018, EN ISO 11607-1:2020, EN ISO 11607-2:2020, EN ISO 11135:2019, 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 ISO 15223-1:2021, EN ISO 20417:2021, EN ISO/IEC 17050-1:2010, EN ISO/IEC 17050-2:2004, ASTM F 1635: 2016, ASTM F 1980:2021, ASTM F 88:2021, ASTM F1886/F1886M:2016, ASTM F 1929:2015, ASTM D4169:2022, ASTM D999:2015, ASTM D5276:2019, MDCG 2019-5:2019, MDCG 2021-25:2021, MDCG 2019-9:2022, Rev.1, MDCG 2020-3:2020, MEDDEV 2.4/1; Rev.9, MEDDEV 2.7.1; Rev.4, MEDDEV 2.12/1; Rev.8, MEDDEV 2.12/2; Rev.2, United States Pharmacopoeia 45 NF 40 & EUROPEAN PHARMACOPOEIA 10th Edition.

ESTERILIZACIÓN

Óxido de etileno - Nivel de garantía de esterilidad (SAL) 10^{-6} . Conforme a la norma ISO 11135.

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 Mitsu™ se colocan delicadamente en el soporte Less Memory (LMT), que minimiza el efecto memoria, protegido por una cubierta de papel. Los soportes se envasan en un sobre de aluminio sellado y desgarrable.

Envase secundario: caja dispensadora que contiene 6, 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.

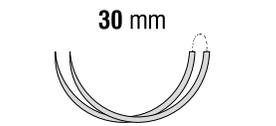
ETIQUETAS	En los envases Primario, Secundario y Terciario (Caja de Venta), se indica toda la información requerida por la legislación vigente y para la gestión correcta del producto, desde su conservación en almacén hasta su uso en quirófano.
CALIBRES	Teñida (Violeta): de USP 8-0 (EP 0.4) a USP 2 (EP 5) Incolora: de USP 6-0 (EP 0.7) a USP 2 (EP 5)
CONFORMIDAD	Anexo II, incluida la sección 4 de la Directiva de Productos Sanitarios 93/42/CEE.
CADUCIDAD	5 años
CE N°	2460
Representante autorizado SRN BE-AR-000000106	
CLASIFICACIÓN	Clase III según la Regla 8, de la Sección 2.4 de la Directiva de Productos Sanitarios 93/42/CEE
CONSERVACIÓN	En lugar seco, por debajo de 25 °C, protegido de la luz del sol. Producto de un solo uso (no reesterilizar), no utilizar si el envase está dañado.

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	8 mm 	8-0	0,4	30	1	12	Violet	PGN802301
	9 mm 	8-0	0,4	30	1	12	Violet	PGN809577
	9,3 mm 	8-0	0,4	30	1	12	Violet	PGN809809
		6-0	0,7	30	1	12	Violet	PGN609575
	10 mm 	5-0	1	70	1	12	Violet	PGN502395
	13 mm 	4-0	1,5	60	1	12	Violet	PGN400465
	16 mm 	4-0	1,5	75	1	12	Violet	PGN400846
	20 mm 	4-0	1,5	90	1	12	Violet	PGN40 2306
	24 mm 	4-0	1,5	75	1	12	Violet	PGN409424
		2-0	3	75	1	12	Violet	PGN209224
	25 mm 	3-0	2	90	1	12	Violet	PGN309325
	30 mm 	0	3,5	75	1	12	Violet	PGN109030
	40 mm 	1	4	90	1	12	Violet	PGN019140
45 mm 	1	4	90	1	12	Violet	PGN012326XL	
	1	4	70	1	12	Violet	PGN012326	

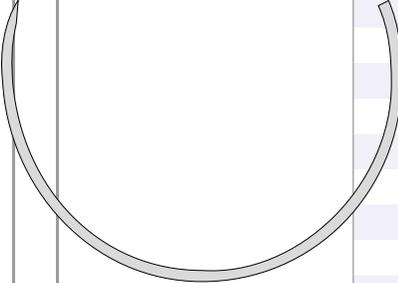
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		USP	EP					
1/2	12 mm 	4-0	1,5	45	1	12	Violet	PGN4074313
		4-0	1,5	45	1	12	Undyed	PGN400434
		3-0	2	70	1	12	Violet	PGN30 2427
	13 mm 	6-0	0,7	75	1	12	Violet	PGN600134XL
		6-0	0,7	45	1	12	Undyed	PGN609981
		5-0	1	75	1	12	Violet	PGN500433VXL
		5-0	1	70	1	12	Violet	PGN500433V
		5-0	1	70	1	12	Undyed	PGN500433
		5-0	1	45	1	12	Undyed	PGN509982
	16 mm 	5-0	1	45	1	12	Violet	PGN502303
		4-0	1,5	75	1	12	Violet	PGN400715
	17 mm  	4-0	1,5	75	1	12	Violet, Black needle	PGN408147
	17 mm 	6-0	0,7	70	1	12	Violet	PGN600212V
		6-0	0,7	70	1	12	Undyed	PGN600212
		5-0	1	75	1	12	Violet	PGN500421
		5-0	1	70	1	12	Undyed	PGN500213
		4-0	1,5	75	1	12	Violet	PGN409106
		4-0	1,5	70	1	12	Undyed	PGN400214
		4-0	1,5	45	1	12	Undyed	PGN400714
		3-0	2	75	1	12	Violet	PGN300774XL
		3-0	2	45	1	12	Violet	PGN300774
		2-0	3	75	1	12	Violet	PGN200306XL
		2-0	3	45	1	12	Violet	PGN200306
		18 mm 	3-0	2	90	1	12	Violet

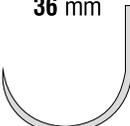
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		USP	EP						
1/2	20 mm 	4-0	1,5	75	1	12	Violet	PGN409113	
		3-0	2	75	1	12	Violet	PGN309114	
	21 mm 	2-0	3	70	1	12	Violet	PGN200824	
		0	3,5	45	1	12	Violet	PGN1080113	
		1	4	70	1	12	Violet	PGN010804	
	22 mm 	4-0	1,5	75	1	12	Violet	PGN4077113XL	
		4-0	1,5	45	1	12	Violet	PGN4077113	
		3-0	2	75	1	12	Violet	PGN300311XL	
		1	4	70	1	12	Violet	PGN010583	
	25 mm 	3-0	2	75	1	12	Violet	PGN300528	
	26 mm  	3-0	2	70	1	12	Violet, Black needle	PGN302123	
		2-0	3	70	1	12	Violet, Black needle	PGN202122	
	26 mm 	3-0	2	90	1	12	Violet, Double-armed	PGN302436DN	

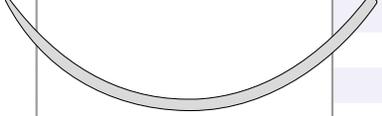
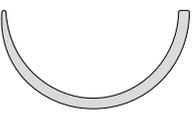
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		USP	EP							
1/2	 <p>26 mm</p> 	5-0	1	75	1	12	Violet	PGN509526		
		4-0	1,5	75	1	12	Violet	PGN409425		
		4-0	1,5	70	1	12	Undyed	PGN400415U		
		4-0	1,5	45	1	12	Violet	PGN400773		
		3-0	2	90	1	12	Violet	PGN300527		
		3-0	2	75	1	12	Violet	PGN309120		
		3-0	2	70	1	12	Violet	PGN302122		
		3-0	2	45	1	12	Undyed	PGN300864U		
		2-0	3	90	1	12	Violet	PGN20 2356		
		2-0	3	75	1	12	Violet	PGN209121		
		2-0	3	70	1	12	Undyed	PGN200417		
		2-0	3	45	1	12	Violet	PGN200775		
		0	3,5	70	1	12	Violet	PGN100334		
		0	3,5	70	1	12	Undyed	PGN100270		
		0	3,5	45	1	12	Violet	PGN102713		
		1	4	90	1	12	Violet	PGN010372		
		1	4	90	1	12	Undyed	PGN010977U		
		1	4	70	1	12	Violet	PGN010335		
		1	4	45	1	12	Violet	PGN0176513		
		2	5	70	1	12	Violet	PGN029229		
			 <p>30 mm</p> 	2-0	3	90	1	12	Violet, Double-armed	PGN20 2318DN
			 <p>30 mm</p> 	4-0	1,5	75	1	12	Violet	PGN409430
				3-0	2	75	1	12	Violet	PGN30864
				2-0	3	90	1	12	Violet	PGN20 2317
	2-0	3		75	1	12	Violet	PGN200368		
	2-0	3		45	1	12	Violet	PGN20 2317SL		
	0	3,5		70	1	12	Violet	PGN10 2342		
	0	3,5		70	1	12	Violet, Heavy needle	PGN108548		
	0	3,5		90	1	12	Violet	PGN10 2338		
	1	4		75	1	12	Violet	PGN019214		
	2	5		75	1	12	Violet	PGN029230		

CURVATURE	TAPER POINT 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
1/2	31 mm 	3-0	2	75	1	12	Violet	PGN30 9331N
		2-0	3	100	1	12	Violet	PGN209637
		2-0	3	75	1	12	Violet	PGN209136
		0	3,5	75	1	12	Violet	PGN109138
		1	4	75	1	12	Violet	PGN019213
		1	4	90	1	12	Violet	PGN010253
	35 mm 	1	4	90	1	12	Violet	PGN010261
		3-0	2	90	1	12	Violet	PGN300738
	36 mm 	3-0	2	90	1	12	Undyed	PGN300344
		3-0	2	90	1	36	Violet	PGN30344Z
		3-0	2	70	1	12	Violet	PGN30 322
		2-0	3	90	1	12	Violet	PGN209440
		2-0	3	90	1	12	Undyed	PGN200945
		2-0	3	75	1	12	Violet	PGN209140
		2-0	3	75	1	12	Undyed	PGN200258
		0	3,5	90	1	12	Violet	PGN100346
		0	3,5	90	1	12	Undyed	PGN100946
		0	3,5	75	1	12	Violet	PGN100346SL
		0	3,5	70	1	12	Undyed	PGN100260
		1	4	120	1	12	Violet	PGN01 2350
		1	4	90	1	12	Undyed	PGN01 947U
		1	4	90	1	12	Violet	PGN01947V
	1	4	75	1	12	Violet	PGN012350SL	
	1	4	70	1	12	Undyed	PGN010347	
	37 mm 	2-0	3	75	1	12	Violet	PGN209137
		1	4	90	1	36	Violet	PGN012537Z
		1	4	90	1	12	Violet	PGN016805XL
		1	4	75	1	12	Violet	PGN016805
1		4	70	1	12	Violet, Heavy needle	PGN016809	
2		5	90	1	12	Violet	PGN029237	
2		5	90	1	12	Violet, Heavy needle	PGN028598	

CURVATURE	TAPER POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE				
		USP	EP									
1/2		40 mm	3-0	2	90	1	12	Violet	PGN309388			
			3-0	2	90	1	12	Violet, Heavy needle	PGN308059			
			2-0	3	90	1	12	Undyed	PGN200957U			
			2-0	3	75	1	12	Violet	PGN209150			
			0	3,5	110	1	12	Violet	PGN102346DS			
			0	3,5	90	1	12	Violet	PGN102346			
			0	3,5	90	1	12	Violet, Heavy needle	PGN106855			
			0	3,5	90	1	12	Undyed	PGN102346U			
			0	3,5	75	1	12	Violet	PGN109230			
			0	3,5	45	1	12	Violet	PGN102346SL			
			1	4	110	1	12	Violet	PGN012347DS			
			1	4	90	1	12	Violet, Heavy needle	PGN012347			
			1	4	90	1	12	Violet	PGN012360			
			1	4	90	1	12	Undyed	PGN010959			
			1	4	75	1	12	Violet	PGN019231			
			1	4	75	1	12	Violet, Heavy needle	PGN019340			
			1	4	70	1	12	Undyed	PGN010281			
			1	4	45	1	12	Violet	PGN012347SL			
			2	5	90	1	12	Violet	PGN022452			
			2	5	90	1	12	Violet, Heavy needle	PGN028558			
			2	5	75	1	12	Violet	PGN029240			
			2	5	70	1	12	Violet, Heavy needle	PGN028058			
					45 mm	0	3,5	75	1	12	Violet	PGN109244
			1			4	100	1	12	Violet	PGN012347XL	
			1			4	75	1	12	Violet	PGN019245	
			2			5	90	1	12	Violet	PGN026884	
			2			5	75	1	12	Violet	PGN029246	

CURVATURE	TAPER POINT 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
5/8	10 mm 	6-0	0,7	30	1	12	Violet	PGN609610
	25 mm 	3-0	2	90	1	12	Violet	PGN309525
	26 mm 	3-0	2	90	1	12	Undyed	PGN309730
		2-0	3	110	1	12	Violet	PGN20 602XL
		2-0	3	70	1	12	Violet	PGN200602
		0	3,5	70	1	12	Violet	PGN100604
	36 mm 	1	4	75	1	12	Violet	PGN019278
		2-0	3	70	1	12	Violet	PGN200375
	40 mm 	0	3,5	70	1	12	Violet	PGN100377
		0	3,5	70	1	12	Violet	PGN100381
	110 mm 	0	3,5	70	1	12	Violet	PGN100376
		1	4	75	1	12	Violet	PGN019111

CURVATURE	TAPER POINT 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
HOOK	31 mm 	2-0	3	75	1	12	Violet	PGN209136J
		0	3,5	75	1	12	Violet	PGN109138J
	36 mm 	2-0	3	75	1	12	Violet	PGN209220J
		0	3,5	75	1	12	Violet	PGN109221J
SKI	19 mm 	2-0	3	45	1	12	Violet	PGN202903
	22 mm  	0	3,5	45	1	12	Violet, Black needle	PGN102901
STRAIGHT	19 mm 	4-0	1,5	70	1	12	Violet	PGN402573

CURVATURE	BLUNT POINT 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
3/8	63 mm 	1	4	90	1	12	Violet	PGN019391
	65 mm 	1	4	100	1	12	Violet	PGN019165
1/2	35 mm 	2-0	3	75	1	12	Violet	PGN200738
	36 mm 	2-0	3	70	1	12	Undyed	PGN200259
		1	4	90	1	12	Violet	PGN019995
		1	4	90	1	12	Undyed	PGN019473
	40 mm 	0	3,5	90	1	12	Violet	PGN102996
		0	3,5	75	1	12	Violet	PGN100280
		1	4	90	1	12	Violet	PGN019997
		1	4	75	1	12	Violet	PGN010353
	45 mm 	1	4	90	1	12	Violet	PGN019998
	48 mm 	1	4	90	1	12	Undyed	PGN019773U

CURVATURE	TAPERCUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	16 mm 	4-0	1,5	75	1	12	Violet	PGN409675	
	17 mm 	5-0 4-0	1 1,5	75 75	1 1	12 12	Undyed Undyed	PGN509824U PGN409825	
1/2	17 mm 	4-0	1,5	70	1	12	Violet	PGN409417	
		3-0	2	90	1	12	Undyed	PGN305180	
		3-0	2	75	1	12	Violet	PGN300216	
		3-0	2	75	1	12	Undyed	PGN309826	
		3-0	2	45	1	12	Violet	PGN30 2515	
	20 mm 	3-0	2	75	1	12	Violet	PGN309118	C2
	22 mm 	2-0	3	75	1	12	Violet	PGN20 9828	
	26 mm 	3-0	2	75	1	12	Violet	PGN309327	
		2-0	3	75	1	12	Violet	PGN209350	
	30 mm 	2-0	3	75	1	12	Violet	PGN200517	
0		3,5	75	1	12	Violet	PGN100518		
31 mm 	2-0	3	75	1	12	Violet	PGN209360		
	0	3,5	75	1	12	Violet	PGN109361		
	1	4	75	1	12	Violet	PGN019362		
35 mm 	2	5	75	1	12	Violet	PGN029257		

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	45	1	12	Undyed	PGN600489U
		5-0	1	45	1	12	Undyed	PGN500490
	11 mm 	6-0	0,7	45	1	12	Violet, Double-armed	PGN609537
	12 mm 	6-0	0,7	75	1	12	Violet	PGN602671XL
	13 mm 	6-0	0,7	45	1	12	Undyed	PGN600492
		5-0	1	75	1	12	Violet	PGN50463XL
		5-0	1	45	1	12	Undyed	PGN500463
		5-0	1	45	1	12	Violet	PGN50463
		4-0	1,5	45	1	12	Undyed	PGN400464
	13 mm 	5-0	1	45	1	12	Violet, Double-armed	PGN500557
		4-0	1,5	45	1	12	Violet, Double-armed	PGN400559
	16 mm 	6-0	0,7	45	1	12	Undyed	PGN600499U
		5-0	1	45	1	12	Undyed	PGN500500
	19 mm 	5-0	1	75	1	12	Violet	PGN500396XL
		5-0	1	45	1	12	Undyed	PGN500495
		4-0	1,5	75	1	12	Violet	PGN409386XL
		4-0	1,5	45	1	12	Undyed	PGN400496
		4-0	1,5	45	1	12	Violet	PGN409386
		3-0	2	75	1	12	Violet	PGN30393XL
		3-0	2	70	1	12	Undyed	PGN300427
		3-0	2	45	1	12	Undyed	PGN304970

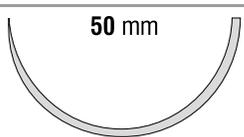
CURVATURE	FLASH POINT REVERSE CUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE		
		USP	EP							
3/8	24 mm 	4-0	1,5	70	1	12	Undyed	PGN400935		
		4-0	1,5	45	1	12	Undyed	PGN400682		
		3-0	2	70	1	12	Undyed	PGN30936U		
		3-0	2	45	1	12	Undyed	PGN300683		
	26 mm 	3-0	2	75	1	12	Violet	PGN3078713XL		
		3-0	2	45	1	12	Violet	PGN3078713		
		3-0	2	75	1	12	Undyed	PGN209572		
		2-0	3	45	1	12	Undyed	PGN3078713U		

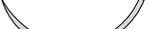
CURVATURE	FLASH POINT CONVENTIONAL CUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
3/8	13 mm 	6-0	0,7	45	1	12	Undyed	PGN60 2831U
	16 mm 	5-0	1	45	1	12	Undyed	PGN500844
		5-0	1	45	1	12	Violet	PGN502442
		5-0	1	45	1	12	Violet	PGN50 2464U
		4-0	1,5	70	1	12	Undyed	PGN40 2443U
		4-0	1,5	45	1	12	Undyed	PGN409433U
		4-0	1,5	45	1	12	Undyed	PGN400845
		3-0	2	45	1	12	Violet	PGN302471
		3-0	2	45	1	12	Undyed	PGN309507
	19 mm 	5-0	1	45	1	12	Undyed	PGN500822U
		4-0	1,5	75	1	12	Undyed	PGN409570
		4-0	1,5	45	1	12	Undyed	PGN409510
		3-0	2	90	1	12	Undyed	PGN30 2402U
		3-0	2	75	1	12	Undyed	PGN309571
		3-0	2	45	1	12	Undyed	PGN300824
	25 mm 	3-0	2	90	1	12	Undyed	PGN30 2328U
	26 mm 	4-0	1,5	75	1	12	Undyed	PGN409580
		4-0	1,5	45	1	12	Undyed	PGN409520
		3-0	2	75	1	12	Violet	PGN309581V
		3-0	2	75	1	12	Undyed	PGN309581
		3-0	2	45	1	12	Undyed	PGN309521
		2-0	3	90	1	12	Undyed	PGN202404U
		2-0	3	75	1	12	Undyed	PGN202404USL
2-0		3	45	1	12	Undyed	PGN209522	
36 mm 	2-0	3	75	1	12	Undyed	PGN209532	

CURVATURE	REVERSE CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
3/8	12 mm 	6-0	0,7	45	1	12	Violet	PGN602671	
		5-0	1	45	1	12	Violet	PGN502493	
		4-0	1,5	45	1	12	Violet	PGN402494	
		3-0	2	45	1	12	Violet	PGN302495	
	13 mm 	5-0	1	45	1	12	Undyed	PGN502872U	
	16 mm 	5-0	1	90	1	12	Violet	PGN509436	
		5-0	1	75	1	12	Violet	PGN509436SL	
		4-0	1,5	90	1	12	Violet	PGN409437	
		4-0	1,5	45	1	12	Violet	PGN409437SL	
		4-0	1,5	45	1	12	Undyed	PGN405696	
		3-0	2	45	1	12	Violet	PGN300608	
	19 mm 	5-0	1	45	1	12	Violet	PGN500391	
		4-0	1,5	70	1	12	Undyed	PGN400422	
		4-0	1,5	70	1	12	Violet	PGN400397	
		3-0	2	70	1	12	Violet	PGN300398	

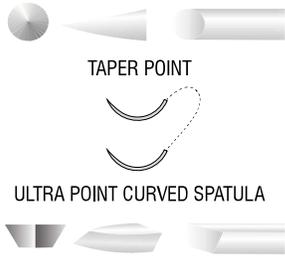
CURVATURE	REVERSE CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
3/8	24 mm 	4-0	1,5	75	1	12	Violet	PGN400451XL
		4-0	1,5	70	1	12	Violet	PGN400451
		3-0	2	90	1	12	Undyed	PGN300442
		3-0	2	75	1	12	Violet	PGN30452
		3-0	2	70	1	12	Undyed	PGN3093605
		2-0	3	90	1	12	Violet	PGN200453XL
		2-0	3	70	1	12	Undyed	PGN200443
		2-0	3	70	1	12	Violet	PGN200453
	26 mm 	4-0	1,5	70	1	12	Undyed	PGN400441
		3-0	2	75	1	12	Undyed	PGN309890
		3-0	2	70	1	12	Violet	PGN302407
	30 mm 	3-0	2	75	1	12	Undyed	PGN309330U
		3-0	2	75	1	12	Violet	PGN309329
		2-0	3	90	1	12	Undyed	PGN200589
		2-0	3	90	1	12	Violet	PGN202316
		0	3,5	70	1	12	Violet	PGN100610
	35 mm 	2-0	3	90	1	12	Violet	PGN209390
		2-0	3	75	1	12	Violet	PGN209390SL
	36 mm 	0	3,5	70	1	12	Violet	PGN109036
		2	5	75	1	12	Violet	PGN029236
	40 mm 	1	4	90	1	12	Violet	PGN012422
	45 mm 	2-0	3	90	1	12	Violet	PGN209282

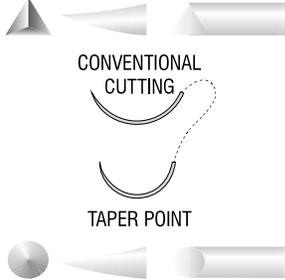
CURVATURE	REVERSE CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
1/2	8 mm 	4-0	1,5	45	1	12	Undyed	PGN400504
	10 mm 	5-0	1	45	1	12	Violet	PGN50511
	11 mm 	6-0	0,7	45	1	12	Undyed	PGN600510
		5-0	1	45	1	12	Undyed	PGN500511
	16 mm 	5-0	1	45	1	12	Undyed	PGN500506
		3-0	2	45	1	12	Undyed	PGN300657
	17 mm 	4-0	1,5	70	1	12	Undyed	PGN400455
	22 mm 	3-0	2	70	1	12	Violet	PGN300460
		3-0	2	45	1	12	Violet	PGN3079013
		2-0	3	75	1	12	Violet	PGN207526
		2-0	3	70	1	12	Violet	PGN20461
		2-0	3	70	1	12	Undyed	PGN206934U
0		3,5	90	1	12	Violet	PGN107528	
1		4	75	1	12	Violet	PGN019287	
2		5	75	1	12	Violet	PGN029287	
23 mm 	0	3,5	45	1	12	Violet, laparoscopic port closure	PGN102825	
	1	4	70	1	12	Violet	PGN012826XL	
	1	4	35	1	12	Violet, laparoscopic port closure	PGN012826	
26 mm 	3-0	2	75	1	12	Violet	PGN309375	
	3-0	2	70	1	12	Undyed	PGN300868	
	2-0	3	70	1	12	Undyed	PGN200869	
30 mm 	3-0	2	70	1	12	Violet	PGN309330	
31 mm 	2-0	3	70	1	12	Violet	PGN209231	

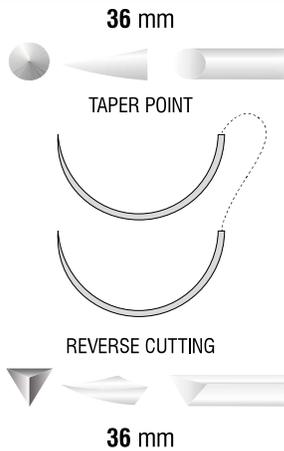
CURVATURE	REVERSE CUTTING 	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
1/2	36 mm 	2-0	3	70	1	12	Violet	PGN200466
		2-0	3	45	1	12	Violet	PGN200710
		0	3,5	90	1	12	Violet, orthopaedic procedures	PGN102534
		0	3,5	70	1	12	Violet	PGN107114
		1	4	70	1	12	Undyed	PGN010535
	37 mm 	2-0	3	90	1	12	Violet, Heavy needle	PGN206859
	40 mm 	3-0	2	90	1	12	Violet	PGN309389
		2-0	3	90	1	12	Violet	PGN202382
		2-0	3	70	1	12	Violet	PGN200478
		2-0	3	70	1	12	Undyed	PGN200267U
		0	3,5	90	1	12	Violet	PGN109420
		0	3,5	75	1	12	Violet	PGN109320
		0	3,5	70	1	12	Undyed	PGN100268
		1	4	90	1	12	Violet, orthopaedic procedures	PGN012421
		1	4	90	1	12	Violet	PGN012486
		1	4	75	1	12	Violet	PGN019321
		2	5	90	1	12	Violet, orthopaedic procedures	PGN022478
		2	5	45	1	12	Violet	PGN020719
		48 mm 	0	3,5	75	1	12	Violet
	1		4	75	1	12	Violet	PGN019296
	1		4	70	1	12	Undyed	PGN010569
	2		5	90	1	12	Violet	PGN029497
	2		5	75	1	12	Violet	PGN029297
50 mm 	1	4	90	1	12	Violet, Heavy needle	PGN012438	

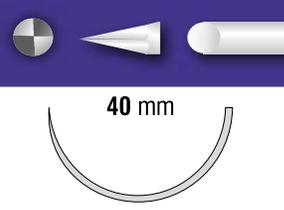
CURVATURE	CONVENTIONAL CUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
3/8	13 mm 	6-0	0,7	45	1	12	Undyed	PGN6083365
		5-0	1	45	1	12	Undyed	PGN5083465
		4-0	1,5	45	1	12	Undyed	PGN4083565U
	16 mm 	5-0	1	75	1	12	Violet	PGN500845
		4-0	1,5	90	1	12	Violet	PGN402354
		4-0	1,5	75	1	12	Violet	PGN409443
		3-0	2	75	1	12	Violet	PGN309444
22 mm 	3-0	2	45	1	12	Violet	PGN302401	
25 mm 	3-0	2	90	1	12	Violet	PGN302643	
26 mm 	2-0	3	75	1	12	Violet	PGN209226	
35 mm 	2-0	3	75	1	12	Violet	PGN209235	
36 mm 	3-0	2	75	1	12	Undyed	PGN309531	
1/2	22 mm 	3-0	2	90	1	12	Violet	PGN302472
		3-0	2	75	1	12	Violet	PGN309472XL
		3-0	2	45	1	12	Violet	PGN309472
		3-0	2	45	1	12	Undyed	PGN309741
	25 mm 	2-0	3	75	1	12	Violet	PGN209225
	26 mm 	3-0	2	90	1	12	Violet	PGN309326
		3-0	2	75	1	12	Violet	PGN309326SL
36 mm 	0	3,5	70	1	12	Undyed	PGN100267	

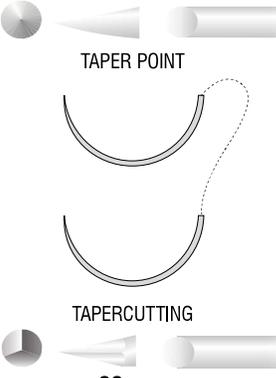
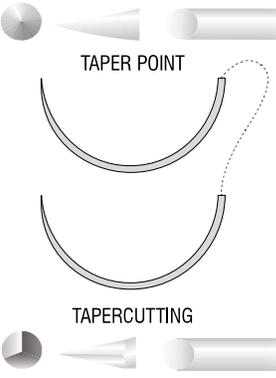
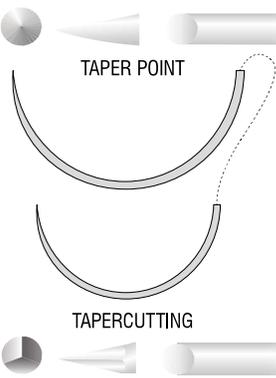
CURVATURE	CONVENTIONAL CUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
	40 mm 	1	4	70	1	12	Violet	PGN018269
	45 mm 	2-0	3	75	1	12	Violet	PGN209245
	48 mm 	1	4	90	1	12	Violet	PGN018462
5/8	16 mm 	4-0	1,5	45	1	12	Violet	PGN402465
STRAIGHT	13 mm 	4-0	1,5	90	1	12	Violet	PGN409410
		4-0	1,5	45	1	12	Violet	PGN409410SL
	45 mm 	4-0	1,5	90	1	12	Violet	PGN402388
		4-0	1,5	45	1	12	Undyed	PGN409711USL
	55 mm 	2-0	3	90	1	12	Violet	PGN209713
		2-0	3	75	1	12	Undyed	PGN209713U
	60 mm 	3-0	2	75	1	12	Undyed	PGN309717
		3-0	2	70	1	12	Violet	PGN300664
		2-0	3	90	1	12	Violet	PGN209718
		2-0	3	76	1	12	Undyed	PGN20 2390U

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	 <p>11 mm</p> <p>TAPER POINT</p> <p>ULTRA POINT CURVED SPATULA</p> <p>11 mm</p>	6-0	0,7	45	1	12	Violet	PGN609576DN

CURVATURE	CONVENTIONAL CUTTING / TAPER POINT	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
3/8	 <p>16 mm</p> <p>CONVENTIONAL CUTTING</p> <p>TAPER POINT</p> <p>16 mm</p>	4-0	1,5	90	1	12	Violet	PGN40 2354DN
1/2								

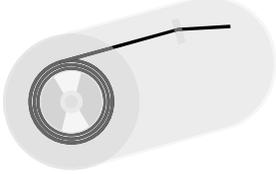
CURVATURE	TAPER POINT / REVERSE CUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	 <p>36 mm</p> <p>TAPER POINT</p> <p>REVERSE CUTTING</p> <p>36 mm</p>	3-0	2	135	1	12	Violet	PGN309336	

CURVATURE	TROCAR	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
		USP	EP						
1/2	 <p>40 mm</p>	1	4	75	1	12	Violet	PGN019340TRO	

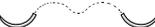
CURVATURE	TAPER POINT / TAPERCUTTING	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
		USP	EP					
1/2	<p>30 mm</p>  <p>TAPER POINT</p> <p>TAPERCUTTING</p> <p>30 mm</p>	2-0	3	140	1	12	Violet	PGN202317DN
	<p>40 mm</p>  <p>TAPER POINT</p> <p>TAPERCUTTING</p> <p>40 mm</p>	0	3,5	140	1	12	Violet	PGN102346DN
		0	3,5	180	1	12	Violet	PGN102346DNL
		1	4	140	1	12	Violet	PGN012347DN
		1	4	180	1	12	Violet	PGN012347DNL
	<p>50 mm</p>  <p>TAPER POINT</p> <p>TAPERCUTTING</p> <p>40 mm</p>	1	4	180	1	12	Violet	PGN012448DNL

NON-NEEDED THREADS IN STANDARD LENGTHS	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
	USP	EP						
	4-0	1,5	80	1	12	Violet	PGNS40080	
	4-0	1,5	45	3	12	Violet	PGN400515	
	4-0	1,5	45	6	12	Undyed	PGNS400977U	
	4-0	1,5	45	6	12	Violet	PGNS401224	
	4-0	1,5	45	12	12	Violet	PGN400903	
	3-0	2	80	1	12	Violet	PGNS30080	
	3-0	2	70	2	12	Violet	PGNS308405	
	3-0	2	70	5	12	Violet	PGNS308445	
	3-0	2	60	12	12	Violet	PGNS300032	
	3-0	2	50	5	12	Violet	PGN300614	
	3-0	2	45	3	12	Violet	PGN300414	
	3-0	2	45	6	12	Violet	PGN300180	
	3-0	2	45	12	12	Violet	PGN300904	
	2-0	3	80	1	12	Violet	PGNS20080	
	2-0	3	75	6	12	Violet	PGNS200039	
	2-0	3	70	5	12	Violet	PGN201216	
	2-0	3	70	2	12	Violet	PGNS208407	
	2-0	3	60	12	12	Violet	PGNS20033	
	2-0	3	50	3	12	Violet	PGN200616	
	2-0	3	50	5	12	Violet	PGN200613	
	2-0	3	45	1	12	Violet	PGN200105	
	2-0	3	45	3	12	Undyed	PGN200286U	
	2-0	3	45	6	12	Violet	PGN201226	
	2-0	3	45	12	12	Violet	PGN200617	
	2-0	3	45	12	12	Undyed	PGNS204512U	

NON-NEEDED THREADS IN STANDARD LENGTHS	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE	
	USP	EP						
	0	3,5	75	1	12	Violet	PGN100675	
	0	3,5	70	5	12	Violet	PGN100208	
	0	3,5	60	3	12	Undyed	PGN100207U	
	0	3,5	60	12	12	Violet	PGNS100034	
	0	3,5	50	3	12	Violet	PGN100617	
	0	3,5	45	6	12	Violet	PGN101227	
	0	3,5	45	12	12	Violet	PGN100209	
	0	3,5	45	12	12	Undyed	PGNS100912U	
	1	4	75	1	12	Violet	PGN010908	
	1	4	70	5	12	Violet	PGN016175	
	1	4	60	1	12	Violet	PGN010115	
	1	4	50	5	12	Violet	PGN010617	
	1	4	45	3	12	Violet	PGN016173	
	1	4	45	6	12	Undyed	PGNS014506U	
	1	4	45	6	12	Violet	PGNS011228	ex PGN011228
	1	4	45	12	12	Violet	PGN014512	
	2	5	80	1	12	Violet	PGNS02080	
	2	5	45	3	12	Violet	PGN026183	
	2	5	45	6	12	Violet	PGN028650	
	2	5	45	12	12	Undyed	PGNS020914U	
	2	5	45	12	12	Violet	PGNS020908	

NON-NEEDED THREADS ON SPOOL	SIZE		THREAD LENGTH CM	N. OF THREADS PER PACK	N. OF PACKS PER BOX	PROPERTIES	CODE
	USP	EP					
	5-0	1	150	1	12	Violet	PGNS509022
	4-0	1,5	250	1	12	Violet	PGN400337
	3-0	2	250	1	12	Violet	PGN30250
	3-0	2	250	1	12	Violet	PGN300285
	3-0	2	150	1	12	Violet	PGN309024
	3-0	2	150	1	12	Violet	PGNS300258
	2-0	3	250	1	12	Violet	PGN200223
	2-0	3	250	1	12	Violet	PGNS200266
	2-0	3	150	1	12	Violet	PGNS200111
	2-0	3	150	1	12	Violet	PGN209025
	0	3,5	250	1	12	Violet	PGN100250
	0	3,5	150	1	12	Violet	PGN109026
	1	4	250	1	12	Violet	PGN01250
	1	4	250	1	12	Violet	PGNS010208
	1	4	150	1	12	Violet	PGN019027
	1	4	150	1	12	Violet	PGNS010196
	2	5	250	1	12	Violet	PGN020251
	2	5	150	1	12	Violet	PGN020116
	2	5	150	1	12	Violet	PGNS020195

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	8 mm 	5-0	1	45	1	12	Undyed	PGN500671
	8 mm 	6-0	0,7	45	1	12	Violet, Double-armed	PGN602670DN
		6-0	0,7	45	1	12	Undyed, Double-armed	PGN609752
		5-0	1	45	1	12	Violet, Double-armed	PGN5013383
		5-0	1	45	1	12	Undyed, Double-armed	PGN509753U
3/8	6 mm 	8-0	0,4	45	1	12	Violet	PGN800547
		8-0	0,4	30	1	12	Violet	PGN809558
		7-0	0,5	30	1	12	Violet	PGN702561
	6 mm 	8-0	0,4	45	1	12	Violet, Double-armed	PGN809559
		8-0	0,4	30	1	12	Violet, Double-armed	PGN802348DN
	6,5 mm 	8-0	0,4	30	1	12	Violet, Double-armed	PGN80 9560DN
		7-0	0,5	90	1	12	Violet, Double-armed	PGN709561
		7-0	0,5	30	1	12	Violet, Double-armed	PGN70 9561DN
	11 mm 	5-0	1	45	1	12	Undyed	PGN509761
		11 mm 	6-0	0,7	45	1	12	Undyed, Double-armed

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						
1/2	5 mm 	7-0	0,5	30	1	12	Violet	PGN700575	
	5,5 mm 	7-0	0,5	45	1	12	Violet	PGN70576DN	
	7 mm 	7-0	0,5	45	1	12	Violet	PGN709565	
	7 mm 	7-0	0,5	45	1	12	Violet, Double-armed	PGN709565DN	
	7,5 mm 	8-0	0,4	90	1	12	Violet, Double-armed	PGN809564	
	8 mm 	6-0	0,7	45	1	12	Violet	PGN600562	
		5-0	1	90	1	12	Violet	PGN509567V	
		5-0	1	90	1	12	Undyed	PGN509567	
	8 mm 	6-0	0,7	45	1	12	Violet, Double-armed	PGN609566DN	
		6-0	0,7	45	1	12	Undyed, Double-armed	PGN609756DN	
		5-0	1	45	1	12	Violet, Double-armed	PGN509567VDN	
		5-0	1	45	1	12	Undyed, Double-armed	PGN509567DN	