



surgical sutures.



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Introduction

Ghatwary Medical (GMS) is a trusted leader in the manufacturing of high-quality medical supplies, dedicated to enhancing global healthcare standards. With a strong commitment to innovation and excellence, we provide a comprehensive range of products, from hospital furniture and sterilization devices to surgical sutures and disposables.

Operating from a state-of-the-art facility and adhering to international standards, GMS ensures consistent quality and reliability across its portfolio. Over 50% of our production is exported worldwide, reflecting our dedication to meeting the diverse needs of healthcare professionals across the globe.

At GMS, we combine cutting-edge technology, exceptional customer service, and robust after-sales support to empower medical institutions with solutions that make a difference. Together, we are shaping the future of healthcare.



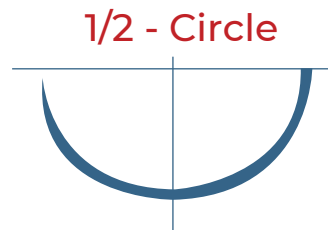
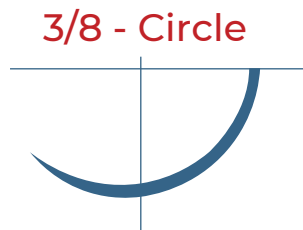
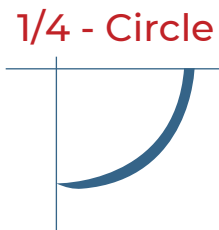


NEEDLE

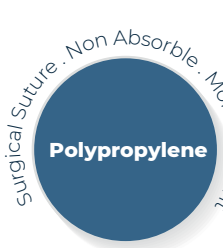




CODE

Needle Shape

Circle Code	Needle Point	Needle Length
1/4	Spatula 	In mm
3/8	Round 	
1/2	Taper Cut 	
Bicurved	Reverse Cutting 	
Straight	Soft Cutting 	



GMS - LABEL

GP39.487D	Order Number	 <p>Polypropylene</p>	USP Size	7/0
75 cm	Suture Length		Needle Type	ROUND 3/8 CIRCLE
Metric 0.5	Suture Material		Needle Point	
2004/063/23 LOT z	Lot Number		Needle Shape	
	Expiry Date		2009-08	
	Method Of Sterilisation	STERILE EO  		

Monofilament Polypropylene (Blue)



Non-Absorbable

Monofilament blue or black

Characteristics

More pliable and soft, smooth passage through tissue
Excellent knot security, superior tensile strength

Frequent Users

Absolutely minimized trauma. Mostly used in cardiovascular surgery, as well as ophthalmology

Needle Type	Thread (cm)	Gauge				
		9/0	8/0	7/0	6/0	5/0
6 mm Spatula double needle 3/8 circle	45	GP16104D	GP1694D			
6 mm Round 3/8 circle	45		GP3694			
6 mm Round double needle 3/8 circle	60		GP3C696D			
6.5 mm Round double needle 3/8 circle	60		GP3C6.596D			
6.5 mm Round(Cardiovascular) double needle 3/8 circle	60		GP3C6.596D			
6.5 mm black needle double 3/8 circle	60		GP3b6.596D			
8 mm Round 3/8 circle	60		GP3896	GP3886		
8 mm black needle double 8/3 circle	60 75		GP3b896D GP3b897D	GP3b886D GP3b887D	GP3b876D GP3b877D	
8 mm black needle double 1/2circle	60 75		GP2b896D GP2b897D	GP2b886D GP2b887D	GP2b876D GP2b877D	
8 mm Round(Cardiovascular) double needle 3/8 circle	60 75		GP3C896D GP3C897D	GP3C886D GP3C887D	GP3C876D GP3C877D	
9 mm black needle double 1/2circle	60 75			GP3b986D GP3b987D	GP3b976D GP3b977D	
9 mm Round(Cardiovascular) double needle 3/8 circle	60 75				GP3C977D	
9.3 mm black needle double 1/2circle	60 75					GP2b9.367D
9.4 mm Round(Cardiovascular) double needle 3/8 circle	60			GP3C9.486D		

Monofilament Polypropylene (Blue)

Needle Type	Thread (cm)	Gauge				
		9/0	8/0	7/0	6/0	5/0
10 mm Round 3/8 circle	60 75				GP31076 GP31077	
10 mm Round (Cardiovascular) double needle 3/8 circle	60 75			GP3C1086D GP3C1087D	GP3C1076D GP3C1077D	
10 mm Round 1/2 circle	75				GP21077	
10 mm Round double needle 1/2 circle	60 75				GP21076D GP21077D	
10 mm Taper cut double needle 1/2 circle	60 75			GP41087D	GP41076D GP41077D	
10 mm Reverse cutting 3/8 circle	75				GP61077	GP61067
11 mm Round 1/2 circle	75				GP21177	
11 mm Round double needle 1/2 circle	75				GP21177D	
11 mm Black needle double 3/8 circle	75			GP3b1187D	GP3b1177D	GP3b1167D
13 mm Round 3/8 circle	75				GP31377	GP31367
13 mm Round double needle 3/8 circle	75 60			GP31387D GP31386D	GP31377D GP31376D	GP31367D GP31366D
13 mm Round (Cardiovascular) double needle 3/8 circle	75 60			GP3C1387D GP3C1386D	GP3C1377D GP3C1376D	GP3C1367D GP3C1366D
13 mm Round 1/2 circle	75				GP21377	GP21367
13 mm Round double needle 1/2 circle	75				GP21377D	GP21367D
13 mm Round (Cardiovascular) double needle 1/2 circle					GP2C1377D	GP2C1367D
13 mm Black needle double 3/8 circle	75			GP3b1387D	GP3b1377D	GP3b1367D
13 mm Tapercut double needle 1/2 circle	75 90			GP41387D GP41389D	GP41377D GP41379D	GP41367D GP41369D
13 mm Tapercut double needle 3/8 circle	75 60			GP51387D GP51386D	GP51377D GP51376D	GP51367D GP51366D

Monofilament Polypropylene (Blue)

Needle Type	Thread (cm)	Gauge					
		10/0	6/0	5/0	4/0	3/0	2/0
13 mm black needle double 3/8 circle	75		GP3b1377D	GP3b1367D			
	60		GP3b1376D	GP3b1366D			
13 mm Reverse cutting 3/8 circle	75		GP61377	GP61367			
15 mm Reverse cutting 3/8 circle	75		GP61577	GP61567			
15mm Round 3/8 circle double needle	90		GP31579D	GP31569D	GP31559D		
15mm Round 1/2 circle double needle	75		GP21577D	GP21567D	GP21557D		
	90		GP21579D	GP21569D	GP21559D		
16 mm Round 1/2 circle	75		GP21677	GP21667	GP21657	GP21647	GP21637
16mm Round 1/2 circle double needle	90			GP21669D	GP21659D	GP21649D	
	75			GP21667D	GP21657D	GP21647D	
16 mm Taper cut 1/2 circle double needle	90		GP41679D	GP41669D	GP 41659D		
	75		GP41677D	GP41667D	GP 41657D		
16 mm Round 3/8 circle double needle	90		GP31679D	GP31669D			
16 mm Reverse cutting 3/8 circle	75		GP61677	GP61667	GP61657	GP61647	
16 mm Straight Spatula double needle	60	GP016116D					
16 Straight & 6 mm Spatula	60	GP616116D					
17 mm Round 1/2 circle	75			Gp21767	GP21757	GP21747	GP21737
	90				GP21759	GP21749	
17 mm Round 1/2 circle double needle	90			GP21769D	GP21759D	GP21749D	
17 mm Round (Cardiovascular) double needle 1/2 circle	90			GP2C1769D	GP2C1759D	GP2C1749D	
17 mm Tapercut 1/2 circle double needle	90			GP41769D	GP41759D	GP41749D	
	75			GP41767D	GP41757D	GP41747D	
	60			GP41766D	GP41756D	GP41746D	
17 mm Round 3/8 circle double needle	90				GP31759D	GP31749D	

Monofilament Polypropylene (Blue)

Needle Type	Thread (cm)	Gauge					
		10/0	6/0	5/0	4/0	3/0	2/0
17 mm Round 3/8 circle double needle black	75 90			GP3b1769D	GP3b1759D	GP3b1749D	
17 mm Round 1/2 circle double needle black	75 90				GP2b1759D		
18 mm Round 1/2 circle double needle	75 90			GP2C1869D	GP2C1859D		
19 mm Reverse cutting 3/8circle	75			GP61967	GP61957	GP61947	
19 mm Taper Cut 3/8 circle	75			GP51967			
20 mm Round 1/2 circle	75				GP22057	GP22047	
20 mm Round (Cardiovascular) 1/2 circle double needle	90				GP2C2059D	GP2C2049D	
20 mm Round 1/2 circle double needle black	90				GP2b2059D		
20mm Reverse cutting 3/8 circle	75		GP62077	GP62067	GP62057	GP62047	GP62037
22 mm Round 1/2 circle	75				GP22257	GP22247	
22 mm Round (Cardiovascular) 1/2 circle double needle	90				GP2C2259D	GP2C2249D	

Monofilament Polypropylene (Blue)

Needle Type	Thread (cm)	Gauge					
		6/0	5/0	4/0	3/0	2/0	0/0
25 mm Round(Cardiovascular) double needle 1/2 circle	90		GP2C2569D	GP2C2559D	GP2C2549D	GP2C2539D	
25 mm Round 1/2 circle double needle	90		GP22569D	GP22559D	GP22549D	GP22539D	
25 mm Reverse cutting 3/8 circle	75		GP62567	GP62557	GP62547	GP62537	
	90		GP62569	GP62559	GP62549	GP62539	
25 mm Round 1/2 circle	75		GP22567	GP22557	GP22547	GP22537	
	90		GP22569	GP22559	GP22549	GP22539	
25 mm Taper cut 1/2 circle double	75					GP42539D	
	90					GP42539D	
26 mm Round 1/2 circle needle	75			GP22657	GP22647	GP22637	
	90			GP22659	GP22649	GP22639	
26 mm Reverse cutting 3/8 circle	75	GP62677	GP62667	GP62657	GP62647	GP62637	
	90	GP62679	GP62669	GP62659	GP62649	GP62639	
26 mm Round 1/2 circle double needle	90			GP2C2659D	GP2C2649D	GP2C2639D	
26 mm Round(Cardiovascular) double needle 1/2 circle	90			GP2C2659D	GP2C2649D	GP22639D	
26 mm Reverse cutting 1/2 circle	75		GP72667	GP72657	GP72647	GP72637	
	90		GP72669	GP72659	GP72649	GP72639	
26 mm Taper cut 1/2 circle double	90			GP42659D	GP42649D	GP42639D	
26 mm Round 3/8 circle double needle	90			GP32659D	GP32649D	GP32639D	
30 mm Round 1/2 circle	75				GP23047	GP23037	GP23017
	90				GP23049	GP23039	GP23019
30 mm Round 1/2 circle double needle	90				GP23049D	GP2C3039D	
30 mm Taper cut 1/2 circle double needle	90				GP43049D	GP43039D	
30 mm Reverse cutting 3/8 circle	75				GP63047	GP63037	GP63017
	90				GP63049	GP63039	GP63017
30 mm straight cutting	75				GP03047	GP03037	
	90				GP03049	GP03039	

Monofilament Polypropylene (Blue)

Needle Type	Thread (cm)	Gauge					
		6/0	5/0	4/0	3/0	2/0	0/0
31 mm Taper cut 1/2 circle double needle	75						
	90					GP43139D	
35 mm Reverse cutting 3/8 circle	75				GP63547	GP63537	GP63517
	90				GP63549	GP63539	GP63519
36 mm Reverse cutting 1/2 circle	90						GP73619

Needle Type	Thread (cm)	Gauge				
		3/0	2/0	0	1	2
40 mm Round 1/2 circle heavy	75	GP24047H	GP24037H	GP24017H	GP24027H	
	90	GP24049H	GP24039H	GP24019H	GP24029H	
40 mm Round 1/2 circle	75		GP24037	GP24017	GP24027	GP240139
	90		GP24039	GP24019	GP24029	
40 mm Tapercut double needle 3/8 circle	75		GP54037	GP54017	GP54027	GP540137 GP440139
	90		GP54039	GP44019	GP44029	
40 mm Round 1/2 circle double needle	90	GP24049D	GP24039D	GP24019D		
40 mm Reverse cutting 1/2 circle	75			GP74017	GP74027	GP740139
	90			GP74019	GP74029	
40 mm Reverse cutting 3/8 circle	75		GP64037	GP64017	GP64027	
	90		GP64039	GP64019	GP64029	
45 mm Round 1/2 circle	75			GP24517	GP24527	
	90			GP24519	GP24529	
45 mm Tapercut needle 1/2 circle	75			GP45517	GP44527	
	90			GP45519	GP44529	
45 mm Reverse cutting 1/2 circle	75			GP74517	GP74527	
	90			GP74519	GP74529	
45 mm Reverse cutting 3/8 circle	75			GP64517	GP64527	
	90			GP64519	GP64529	
48 mm Reverse cutting 1/2 circle	75			GP74817	GP74827	
	90			GP74819	GP74829	
48 mm Reverse cutting 3/8 circle	75			GP64817	GP64817	
	90			GP64819	GP64829	

Monofilament Polypropylene (Blue)

Needle Type	Thread (cm)	Gauge				
		3/0	2/0	0	1	2
48 mm Round 1/2 circle	90			GP24819	GP24829	
50 mm Reverse cutting 1/2 circle	75 90			GP75017 GP75019	GP75027 GP75029	GP750137 GP750139
50 mm Reverse cutting 3/8 circle	75 90			GP65017 GP65019	GP65027 GP65029	
55 mm Reverse cutting 1/2 circle	75 90			GP75517 GP75519	GP75527 GP75529	
55 mm Reverse cutting 3/8 circle	75 90			GP65517 GP65519	GP65527 GP65529	
50 mm Reverse cutting straight	75 90	GP05047 GP05049	GP05037 GP05039			
60 mm straight cutting	75 90	GP06047 GP06049	GP06037 GP06039			
60 mm Reverse cutting 3/8 circle	90				GP66029	
75 mm straight cutting	75 90		GP07539			
90 mm Reverse cutting 3/8 circle	90					GP690139

Black Braided Silk Threads-Ligatures and non-needle suture



Non-Absorbable

Virgin Silk
Logwood black
Methiène blue
Silk
Braided black

Characteristics

Twisted strand (virgin silk), very smooth & with high knot security.
Braided surgical silk on twisted core for greater tensile strength.

Frequent Users

Ophthalmic surgery

Silk Strand Gauge	17x45cm	13x60cm	10x75cm	
4/0	GS745	GS365	GS075	
3/0	GS744	GS364	GS074	
2/0	GS743	GS363	GS073	
0	GS741	GS361	GS071	
1	GS742	GS362	GS072	
2	GS7413	GS3613	GS0713	

Silk Strand Gauge	180cm	Gauge	250cm
5/0	GS186	5/0	GS1256
4/0	GS185	4/0	GS1255
3/0	GS184	3/0	GS1254
2/0	GS183	2/0	GS1253
0	GS181	0	GS1251
1	GS182	1	GS1252
2	GS1813	2	GS12513
3	GS1814	3	GS12514

Silk Strand Gauge	50 Meters	100 Meters	90 Meters	25 Meters
5/0	GS506M	GS1006M	GS906M	GS256M
4/0	GS505M	GS1005M	GS905M	GS255M
3/0	GS504M	GS1004M	GS904M	GS254M
2/0	GS503M	GS1003M	GS903M	GS253M
0	GS501M	GS1001M	GS901M	GS251M
1	GS502M	GS1002M	GS902M	GS252M
2	GS5013M	GS10013M	GS9013M	GS2513M

Black Braided Silk Threads

Silk Strand Gauge	50 Yard	100 Yard	90 Yard	25 Yard
5/0	GS506	GS1006	GS906	GS256
4/0	GS505	GS1005	GS905	GS255
3/0	GS504	GS1004	GS904	GS254
2/0	GS503	GS1003	GS903	GS253
0	GS501	GS1001	GS901	GS251
1	GS502	GS1002	GS902	GS252
2	GS5013	GS10013	GS9013	GS2513

Braided Silk

Needle Type	Color	Thread (cm)	Gauge		
			8/0	6/0	5/0
6 mm Spatula 3/8 circle double needle	Blue virgin	45	GS1694D		
6.5 mm Spatula 3/8 circle double needle	Blue virgin	45	GS16.594D		
8 mm Spatula 1/4 circle double needle	Black	45		GS10874D	GS10864D
10 mm Reverse cutting 3/8 circle	Black	75		GS61077	GS61067
10 mm Reverse cutting 3/8 circle double needle	Black	75		GS61077D	GS61067D
10 mm Round 3/8 circle	Black	75		Gs31077	GS31067
10 mm Round 1/2 circle	Black	75		GS21077	GS21067
11 mm Round 3/8 circle	Black	75		GS31177	GS31167
12 mm Reverse cutting 3/8 circle	Black	75		GS61277	GS61267

Needle Type	Color	Thread (cm)	Gauge				
			6/0	5/0	4/0	3/0	2/0
13 mm Reverse cutting 3/8 circle	Black	75	GS61377	GS61367	GS61357	GS61347	GS61337
13 mm Round 3/8 circle	Black	75	GS31377	GS31367	GS31357	GS31347	GS31337
13 mm Round 1/2 circle	Black	75	GS21377	GS21367	GS21357	GS21347	GS21337
15 mm Reverse cutting 3/8 circle	Black	75	GS61577	GS61567	GS61557	GS61547	GS61537
15 mm Round 3/8 circle	Black	75	GS31577	GS31567	GS31557	GS31547	GS31537

Braided Silk

Needle Type	Color	Thread (cm)	Gauge				
			6/0	5/0	4/0	3/0	2/0
15 mm Round 1/2 circle	Black	75	GS21577	GS21567	GS21557	GS21547	GS21537
16 mm Reverse cutting 3/8 circle double needle	Black	75	GS61677D	GS61667D	GS61657D	GS61647D	GS61637D
16 mm Reverse cutting 3/8 circle	Black	75	GS61677	GS61667	GS61657	GS61647	GS61637
16 mm Round 1/2 circle	Black	75	GS21677	GS21667	GS21657	GS21647	GS21637
16 mm Round 3/8 circle	Black	75	GS31677	GS31667	GS31657	GS31647	GS31637
17 mm Round 1/2 circle	Black	75	GS21777	GS21767	GS21757	GS21747	GS21737
17 mm Round 3/8 circle	Black	75	GS31777	GS31767	GS31757	GS31747	GS31737
18 mm Reverse cutting 3/8 circle	Black	75	GS61877	GS61867	GS61857	GS61847	GS61837
19 mm Reverse cutting 3/8 circle	Black	75	GS61977	GS61967	GS61957	GS61947	GS61937
20 mm Reverse cutting 3/8 circle	Black	75	GS62077	GS62067	GS62057	GS62047	GS62037
20 mm Round 1/2 circle	Black	75	GS22077	GS22067	GS22057	GS22047	GS22037
20 mm Round 3/8 circle	Black	75	GS32077	GS32067	GS32057	GS32047	GS32037
22 mm Round 1/2 circle	Black	75	GS22277	GS22267	GS22257	GS22247	GS22237

Braided Silk

Needle Type	Color	Thread (cm)	Gauge					
			5/0	4/0	3/0	2/0	0	1
25 mm Reverse cutting 3/8 circle	Black	75		GS62557	GS62547	GS62537		
25 mm Reverse cutting 1/2 circle	Black	75		GS72557	GS72547	GS72537		
25 mm Round 1/2 circle	Black	75		GS22557	GS22547	GS22537		
26 mm Round 1/2 circle	Black	75		GS22657	GS22647	GS22637		
26 mm Round 3/8 circle	Black	75		GS32657	GS32647	GS32637		
26 mm Reverse cutting 3/8 circle	Black	75	GS62667	GS62657	GS62647	GS62637		
26 mm Reverse cutting 1/2 circle	Black	75		GS72657	GS72647	GS72637		
30 mm Reverse cutting 3/8 circle	Black	75 90			GS63047 GS63049	GS63037 GS63039	GS63017 GS63019	GS63027 GS63029
30 mm Round 1/2 circle	Black	75 90			GS23047	GS23037 GS23039	GS23017 GS23019	GS23027 GS23029
35 mm Round 1/2 circle	Black	75 90			GS2357 GS23559	GS23537 GS23539	GS23517 GS23519	GS23527 GS23529
35 mm Reverse cutting 3/8 circle	Black	75 90			GS63547 GS63549	GS63537 GS63539	GS63517 GS63519	GS63527 GS63529

Needle Type	Color	Thread (cm)	Gauge					
			3/0	2/0	0	1	2	3
40 mm Round 1/2 circle	Black	75 90		GS24037 GS24039	GS24017 GS24019	GS24027 GS24029	GS240137 GS240139	
40 mm Reverse cutting 3/8 circle	Black	75 90		GS64037 GS64039	GS64017 GS64019	GS64027 GS64029	GS640137 GS640139	
40 mm Reverse cutting 1/2 circle	Black	75 90		GS74037 GS74039	GS74017 GS74019	GS74027 GS74029	GS740137 GS740139	

Braided Silk

Needle Type	Color	Thread (cm)					
			3/0	2/0	0	1	2
45 mm	Black	75			GS64517	GS64527	GS645137
Reverse cutting 3/8 circle		90			GS64519	GS64529	GS645139
45 mm		75			GS74517	GS74527	GS745137
Reverse cutting 1/2 circle					GS74519	GS74529	GS745139
45mm	Black	90			GS24519	GS24529	GS245139
Round 1/2 circle							
48 mm	Black	75			GS74817	GS74827	GS7487
Reverse cutting 1/2 circle		90			GS74819	GS74829	GS7489
50 mm	Black	75			GS75017	GS75027	GS7507
Reverse cutting 1/2 circle		90			GS75019	GS75029	GS7509
55 mm	Black	75			GS65517	GS65527	GS655137
Reverse cutting 3/8 circle		90			GS65519	GS65529	GS655139
55 mm	Black	75			GS75517	GS75527	GS755137
Reverse cutting 1/2 circle		90			GS75519	GS75529	GS755139
55 mm	Black	75	GS05547	GS05537	GS05517		
Straight cutting		90	GS05549	GS05539	GS05519		
60 mm	Black	75	GS06047	GS06037	GS06017		
Straight cutting							
60 mm	Black	75			GS66017	GS66027	GS660137
Reverse cutting 3/8 circle		90			GS66019	GS66029	GS660139
70 mm	Black	75					GS670137
Reverse cutting 3/8 circle		90					GS670139
75 mm	Black	75	GS07547	GS07537	GS07517		
Straight cutting		90	GS07549	GS07539	GS07519		
90 mm	Black	90			GS69019	GS69029	GS690139
Reverse cutting 3/8 circle		100			GS69011	GS69021	GS690131

Braided silk

Needle Type	Thread (cm)	Gauge			
		6/0	5/0	4/0	30
8mm Spatula 3/8 circle double needle	45	GS1674D	GS1664D		
8mm Spatula 1/4 circle double needle	45	GS10874D	GS10864D		
10 mm Reverse cutting 3/8 circle	75	GS61077	GS61067		
12 mm Reverse cutting 3/8 circle Double needle	45	GS61274D	GS61264D	GS61254D	
12 mm Reverse cutting 3/8 circle	75	GS61277	GS61267	GS61257	
17 mm Reverse cutting 3/8 circle	75	GS61777	GS61767	GS61757	GS61747
17 mm Round 1/2 circle	75		GS21767	GS21757	GS21747
17 mm Round 3/8 circle	75		GS21767	GS21757	GS21747

Braided Polyester Green & White



Non-Absorbable

Polyester

Monofilament or braided prestabilized.
Treated with wax, silicon or teflon
Green or White

Characteristics

Polyester with improved tensile strength & knot security. A modern braiding technique (braided polyester) gives the strand a smooth & uniform surface that minimizes the trauma.

Frequent Users

Plastic, hand surgery, ophthalmic & cardiovascular surgery.

Needle Type	Color	Thread (cm)	Gauge			
			6/0	5/0	4/0	3/0
8mm Spatula 1/4 circle double needle	Green	45	GE10874DG	GE10864DG		
8 mm Spatula 3/8 circle double needle	Green	45	GE1874DG	GE1864DG		
8mm Spatula 1/4 circle double needle	white	45		GE10864DW		

Needle Type	Color	Thread (cm)	Gauge			
			5/0	4/0	3/0	2/0
11 mm Taper cut 1/2 circle double needle Each Threaded with pledget 3 mm X 3 mm X 1.2 mm	Green	75		GE41167DGT	GE41157DGT	
	White			GE41167DWT	GE41157DWT	
13mm Taper cut 1/2 circle double needle	Green	75		GE41357DG	GE41357DG	
	White			GE41357DW	GE41357DW	
13 mm Taper cut 1/2 circle double needle Each Threaded with pledget 3 mm X 3 mm X 1.2 mm	Green	75		GE41367DGT	GE41357DGT	
	White			GE41367DWT	GE41357DWT	
16 mm Round 1/2 circle double needle	Green	90		GE21657DG	GE21649DG	GE21639DG
	White	75		GE21657DW	GE21649DW	GE21639DW
16 mm Round 1/2 circle double needle Each Threaded with pledget 3mmX 6mmX 1.2mm	Green	90			GE21649DGT	GE21639DGT
	White				GE21649DWT	GE21639DWT

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge			
			5/0	4/0	3/0	2/0
16 mm Round 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75		GE216574D		GE216374D
16 mm Round 1/2 circle double needle VALVEKIT 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE216374DT
16 mm Round 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75				GE216370D
16 mm Round 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE216370DT
16 mm Taper cut 1/2 circle double needle	Green White	90		GE41659DG GE41659DW	GE41649DG GE41649DW	GE41639DG GE41639DW
16 mm Taper cut 1/2 circle double needle Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	90			GE41649DGT GE41649DWT	GE41639DGT GE41639DWT
16 mm Taper cut 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75				GE4163974D
16 mm Taper cut 1/2 circle double needle 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge			
			5/0	4/0	3/0	2/0
16 mm Round (Cardiovascular) 1/2 circle double needle	Green White	90 75		GE2C1657DG GE2C1657DW	GE2C1649DG GE2C1649DW	GE2C1639DG GE2C1639DW
16 mm Round (Cardiovascular) 1/2 circle double needle Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	90			GE2C1649DGT GE2C1649DWT	GE2C1639DGT GE2C1639DWT
16 mm Round (Cardiovascular) 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75		GE2C16574D		GE2C16374D
16 mm Round (Cardiovascular) 1/2 circle double needle VALVEKIT 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE2C16374DT
16 mm Round (Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75				GE2C16370D
16 mm Round (Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE2C16370DT

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge		
			4/0	3/0	2/0
16 mm Taper cut 1/2 circle double needle 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75		GE416474DT	GE416374DT
16 mm Round 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75		GE216370D	GE216370D
17 mm Round 1/2 circle double needle	Green White	75 90	GE21757DG GE21757DW	GE21749DG GE21749DW	GE2c1739DG GE2C1739DW
17 mm Round 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	75 90		GE21749DGT GE21749DWT	GE21739DGT GE21739DWT
17 mm Round 1/2 circle double needle 3mmX 3mmX 1.2mm	Green White	75 90	GE21757DGT GE21757DWT		
17 mm Round 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75			GE217374D
17 mm Round 1/2 circle double needle VALVEKIT 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE217374DT

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge		
			4/0	3/0	2/0
17 mm Round 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75			GE217370D
17 mm Round 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE217370DT
17 mm Round (Cardiovascular)1/2 circle double needle	Green White	75 90	GE2C1757DG GE21757DW	GE2C749DG GE21749DW	GE2c1739DG GE2C1739DW
17 mm Round(Cardiovascular) 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	75 90		GE2C1749DGT GE2C1749DWT	GE2C1739DGT GE2C1739DWT
17 mm Round(Cardiovascular) 1/2 circle double needle 3mmX 3mmX 1.2mm	Green White	75 90	GE2C1757DGT GEC21757DWT		
17 mm Round (Cardiovascular)1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75			GE2C17374D
17 mm Round(Cardiovascular) 1/2 circle double needle VALVEKIT 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE21C7374DT
17 mm Round (Cardiovascular)1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75			GE2C17370D

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge		
			4/0	3/0	2/0
17 mm Round (Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE2C17370DT
17 mm Taper cut 1/2 circle double needle	Green White	90		GE41749DG GE41749DW	GE41739DG GE41739DW
17 mm Taper cut 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	90			GE41739DGT GE41739DWT
17 mm Taper cut 1/2 circle double needle 3mmX 3mmX 1.2mm	Green White	90	GE41759DGT GE41759DWT		
17 mm Taper cut 1/2 circle double needle 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE417374DT
17 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75			GE417370D
17 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE417370DT

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge		
			4/0	3/0	2/0
18 mm Round 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75			GE2C18370D
18 mm Round 1/2 circle double needle	Green	90			GE2c1839DG
18 mm Round (Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE2c18370DT
18 mm Round(Cardiovascular) 1/2 circle double needle	white	90			GE2C1 839DW
25 mm Round 1/2 circle double needle	Green White	90		GE22549DG GE22549DW	GE2 2539DG GE2 2539DW
25 m Round 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	90		GE22549DGT GE22549DWT	GE22539DG GE22539WT
25 mm Round 1/2 circle double needle VALVEKIT 4 Sutures per pac	Green White	75 90			GE225394D
25 mm Round 1/2 circle double needle VALVEKIT 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75 90			GE225374DT
25 mm Round 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75 90			GE225370D

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge		
			4/0	3/0	2/0
25 mm Round Cardiovascular) 1/2 circle double needle	Green White	90		GE2C2549DG GE22549DW	GE2C2539DG GE2C2539DW
25 mm Round Cardiovascular) 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	90		GE2C2549DGT GE2C2549DWT	GE2C2539DGT GE2C2539WT
25 mm Round 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75 90			GE2C25394D
25 mm Round Cardiovascular) 1/2 circle double needle VALVEKIT 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75 90			GE2C25374DT
25 mm Round Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75 90			GE2C25370D
25 mm Round Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75			GE2C25370DT

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge			
			5/0	4/0	3/0	2/0
25 mm Taper cut 1/2 circle double needle	Green White	90			GE42549DG GE42549DW	GE42539DG GE42539DW
25 mm Taper cut 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	90			GE42549DGT GE42549DWT	GE42539DGT GE42539DWT
25 mm Taper cut 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75				GE425374D
25 mm Taper cut 1/2 circle double needle 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE425374DT
25 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75				GE425370D
25 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE425370DT
26 mm Round 1/2 circle double needle	Green White	90			GE22649DG GE22649DW	GE22639DG GE22639DW
26 mm Round 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	90			GE22649DGT GE22649DWT	GE22639DGT GE22639DWT

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge			
			5/0	4/0	3/0	2/0
26 mm Taper cut 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75				GE426374D
26 mm Taper cut 1/2 circle double needle 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE426374DT
26 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75				GE426370D
26 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE426370DT
26 mm Round Cardiovascular) 1/2 circle double needle	White Green	90			GE2C2649DG GE2C2649DW	GE2C2639DG GE2C2639DW
26 mm Round Cardiovascular) 1/2 circle double needle 3mmX 6mmX 1.2mm	Green White	90			GE2C2649DGT GE2C2649DWT	GE2C2639DGT GE2C2639DWT
26mm Round Cardiovascular) 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75				GE2C26374D

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge			
			5/0	4/0	3/0	2/0
26 mm Round Cardiovascular) 1/2 circle double needle VALVEKIT 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE2C26374DT
26 mm Round Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75				GE2C26370D
26 mm Round Cardiovascular) 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE2C26370DT
26 mm Taper cut 1/2 circle double needle	Green White	90 90				GE42639GD GE42639WD
26 mm Taper cut 1/2 circle double needle						GE42639GDT GE42639WDT
26 mm Taper cut 1/2 circle double needle VALVEKIT 4 Sutures per pack	Green White	75				GE426374D
26 mm Taper cut 1/2 circle double needle 4 Sutures per pack Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE426374DT
26 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green	Green White	75				GE426370D

Braided Polyester

Needle Type	Color	Thread (cm)	Gauge			
			5/0	4/0	3/0	2/0
26 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE426370DT
26 mm Taper cut 1/2 circle double needle VALVEKIT 10 Sutures per pack 5 white and 5 green Each Threaded with pledget 3mmX 6mmX 1.2mm	Green White	75				GE426370DT
26 mm cutting 1/2 circle double needle with pledget	Green	90				GE72639DGT

Needle Type	Color	Thread (cm)	Gauge	
			2	5
45 mm	Green	75	GE445137G	GE445167G
45 mm Taper cut 1/2 circle 4 Sutures per pack	Green	75	GE4451374G	GE4451674G
48 mm Taper cut 1/2 circle	Green	75	GE448137G	GE448167G
48 mm Taper cut 1/2 circle 4 Sutures per pack	Green	75	GE4481374G	GE4481674G
50 mm Taper cut 1/2 circle	Green	75	GE450137G	GE450167G
50 mm Taper cut 1/2 circle 4 Sutures per pack	Green	75	GE4501374G	GE4501674G
55 mm Taper cut 1/2 circle	Green	75	GE455137G	GE455167G
55 mm Taper cut 1/2 circle 4 Sutures per pack	Green	75	GE4551374G	GE4551674G

Polyster Tape

Needle Type	Color	Width Of Tape	Code
50 mm Round heavy1/2 circle double needle	White	5mm	GE2505dw

Stainless Steel



Non-Absorbable

Multifilament wire
Monofilament wire

Characteristics

Monofil and multifilament non-absorbable implantable surgical suture material made of high-grade surgical stainless steel.

Frequent Users

Cardiovascular surgery, sternotomy
Plastic surgery.

Needle Type	Thread (cm)	Gauge	
		7	5
48 mm Taper cut heavy 1/2 circle Rotating Needle 1 Sutures per pack	45	GT4481841R	GT4481641R
48 mm Taper cut heavy 1/2 circle Rotating Needle 2 Sutures per pack	45	GT4481842R	GT4481642R
48 mm Taper cut heavy 1/2 circle Rotating Needle 4 Sutures per pack	45	GT4481844R	GT4481644R
50 mm Reverse cutting heavy 1/2 circle rotating Needle 1 Sutures per pack	45	GT7501841R	GT7501641R
50mm Reverse cutting heavy cutting 1/2 circle, Rotating Needle 2 Sutures per pack	45	GT7501842R	GT7501642R
50 mm Reverse cutting heavy cutting 1/2 circle, Rotating Needle 4 Sutures per pack	45	GT7501844R	GT7501644R
55 mm Reverse cutting heavy 1/2 circle, Rotating Needle 1 Sutures per pack	45	GT7551841R	GT7551641R
55 mm Reverse cutting heavy cutting 1/2 circle, Rotating Needle 2 Sutures per pack	45	GT7551842R	GT7551642R
55 mm Reverse cutting heavy cutting 1/2 circle, Rotating Needle 4 Sutures per pack	45	GT7551844R	GT7551644R

Stainless Steel

Needle Type	Thread (cm)	Gauge	
		7	5
48 mm Taper cut heavy 1/2 circle Fixed Needle 1 Sutures per pack	45	GT44818 41F	GT44816 41F
48 mm Taper cut heavy 1/2 circle Fixed Needle 2 Sutures per pack	45	GT44818 42F	GT44816 42F
48 mm Taper cut heavy 1/2 circle Fixed Needle 4 Sutures per pack	45	GT44818 4F	GT44816 4F
50 mm Reverse cutting heavy 1/2 circle Fixed Needle 1 Sutures per pack	45	GT75018 41F	GT75016 41F
55 mm Reverse cutting heavy cutting 1/2 circle, Fixed needle 2 Sutures per pack	45	GT75018 42F	GT75016 42F
50 mm Reverse cutting heavy cutting 1/2 circle, Fixed needle 4 Sutures per pack	45	GT75018 44F	GT75016 44F
55 mm Reverse cutting heavy 1/2 circle, Fixed needle 1 Sutures per pack	45	GT75518 41F	GT75516 41F
55 mm Reverse cutting heavy cutting 1/2 circle, Fixed needle 2 Sutures per pack	45	GT7 5518 42F	GT7 5516 42F

Stainless Steel

Needle Type	Thread (cm)	Gauge	
		2/0	3/0
Temporary Cardiac Pacing Wire Insulated with blue polyethylene 60 mm Straight breakaway cutting needle 17 mm Tapercut needle	60	GT601736D	GT601746D
Temporary Cardiac Pacing Wire Insulated with blue polyethylene 60 mm Straight breakaway cutting needle 25mm Tapercut needle	60	GT602536D	GT602546D

GMS ophthalmology

Monofilament polyamide black



Non-Absorbable

Nylon

Monofilament Polyamid
6/6 black or blue

Characteristics

Monofilament polyamid with high tensile strength the uniform and smooth surface permits effortless passage through tissue with minimum trauma. Extremely well tolerated.

Frequent Users

First choice material for ophthalmology and microsurgery.

Needle Type	Thread (cm)	Gauge		
		9/0	10/0	6/0
4.8 mm Spatula 3/8 circle	30	GN14.8103	GN14.8113	
4.8 mm Spatula 3/8 circle double needle	30	GN14.8103D	GN14.8113D	
5.6 mm Spatula 3/8 circle	30	GN15.6103	GN15.6113	
5.6 mm Spatula 3/8 circle double needle	30	GN15.6103D	GN15.6113D	
6 mm Spatula 3/8 circle double needle	30 45	GN16103D GN16104D	GN16113D GN16114D	GN1673D GN1674D
10 mm Reverse cutting 3/8 circle double needle	45 75			GN61074D GN61077D

Monofilament polyamide black

Needle Type	Thread (cm)	Gauge				
		10/0	9/0	8/0	7/0	6/0
4 mm Round 3/8 circle	30	GN34113	GN34103	GN3493		
4 mm Round 3/8 circle double needle	30	GN34113D	GN3410D3D	GN3493D		
4.5 mm Round 3/8 circle	30	GN34.5113	GN34.5103	GN34.593		
4.6 mm Round 3/8 circle double needle	30	GN344113D	GN346103D	GN34693D		
5 mm Round 3/8 circle	30	GN35113	GN35103	GN3593		
5 mm spatula 3/8 circle double needle	30	GN1 5113D	GN1 5103D	GN1 593D		
6 mm Round 3/8 circle	30	GN36113	GN36103	GN3693		
6.4 mm spatula double needle 3/8 circle	30	GN16.4113D	GN16.4103D	GN16.493D		
7 mm spatula double needle 3/8 circle	30	GN17113D	GN17103D			
8 mm Round 3/8 circle	60			GN3896	GN3886	
8 mm black needle double 1/2circle	60 75			GN2b896D GN2b897D	GN2b886D GN2b887D	GN2b876D GN2b877D
8 mm Round double needle 3/8 circle	60 75			GN3896D GN3897D	GN3886D GN3887D	GN3876D GN3877D
8 mm spatula double needle 3/8 circle	30	GN18113D	GN18103D			
10 mm Round 3/8 circle	60 75					GN31076 GN31077
10 mm Round double needle 3/8 circle	60 75				GN31086D GN31087D	GN31076D GN31077D
10 mm Taper cut double needle 1/2 circle	60 75				GN41086D GN41087D	GN41076D GN41077D
13 mm black needle double 3/8 circle	75				GN3b1387D	GN3b1377D

Monofilament polyamide black

Needle Type	Thread (cm)	Gauge				
		10/0	9/0	8/0	7/0	6/0
13 mm Round double needle 3/8 circle	75 90				GN31387D GN31389D	GN31377D GN31379D
13 mm Taper cut double needle 3/8 circle	75 90				GN51387D GN51389D	GN51377D GN51379D
13 mm Round double needle 1/2 circle	75 90					GN21377D GN21379D
13 mm Taper cut double needle 1/2 circle	75 90				GN41387D GN41389D	GN41377D GN41379D
13 mm black needle double 3/8 circle	75 90				GN3b1387D GN3b1389D	GN3b1377D GN3b1389D
13 mm Reverse cutting 3/8 circle	75					GN61377

Needle Type	Thread (cm)	Gauge				
		6/0	5/0	4/0	3/0	2/0
15mm Round 3/8 circle double needle	90	GN31579D	GN31569D	GN31559D		
16 mm Round 1/2 circle	75	GN21677	GN21667	GN21657	GN21647	
16 mm Round 1/2 circle double needle	90		GN21669D	GN21659D	GN21649D	
16 mm Taper cut 1/2 circle double needle	90 75	GN41679D GN41677D	GN41669D GN41667D	GN41659D GN41657D		
16 mm Round 3/8 circle double needle	90	GN31679D	GN31669D			
16 mm Reverse cutting 3/8 circle	75	GN61677	GN61667	GN61657	GN61647	
17 mm Round 1/2 circle	75 90			GN21757 GN21759	GN21747 GN21749	
17 mm Round 1/2 circle double needle	90			GN21759D	GN21749D	

Monofilament polyamide black

Needle Type	Thread (cm)	Gauge				
		6/0	5/0	4/0	3/0	2/0
17 mm	90		GN41769D	GN41759D	GN41749D	
Taper cut 1/2 circle double needle	75		GN41767D	GN41757D	GN41747D	
19 mm						
Reverse cutting 3/8 circle	75		GN61967	GN61957	GN61947	
19 mm						
Taper Cut 3/8 circle	75		GN51967			
19 mm						
Round 1/2 circle	75			GN21957	GN21947	
20 mm						
Round 1/2 circle	75			GN22057	GN22047	
20 mm						
Round 1/2 circle double needle	90			GN22059D	GN22049D	
20mm						
Reverse cutting 3/8 circle	75			GN62057	GN62047	GN62037
22 mm						
Round 1/2 circle	75			GN22237	GN22247	
22 mm						
Round 1/2 circle double needle	90			GN22239D	GN22249D	
23mm						
Reverse cutting 1/2 circle	75		GN72367	GN72357	GN72347	
24 mm						
Round 1/2 circle	75			GN22557	GN22547	GN22537
24mm						
Reverse cutting 3/8 circle	75			GN62457	GN62447	GN62437

Monofilament polyamide black

Needle Type	Thread (cm)	Gauge				
		5/0	4/0	3/0	2/0	0
25 mm Round 1/2 circle double needle	90		GN22559D	GN22549D	GN22539D	
25 mm Reverse cutting 3/8 circle	75	GN62567	GN62557	GN62547	GN62537	
	90	GN62569	GN62559	GN62549	GN62539	
26 mm Round 1/2 circle	75	GN22 667	GN22 657	GN22 647	GN226 37	
	90	GN22 669	GN22 659	GN22 649	GN226 39	
26 mm Reverse cutting 3/8 circle	75	GN62667	GN62657	GN62647	GN62637	
	90	GN62669	GN62659	GN62649	GN62639	
26 mm Reverse cutting 1/2 circle	75	GN72667	GN72657	GN72647	GN72637	
	90	GN72669	GN7659	GN72649	GN72639	
26 mm Taper cut 1/2 circle double	90		GN42559D	GN42549D	GN42539D	
30 mm Round 1/2 circle	75			GN23047	GN23037	GN23017
	90			GN23049	GN23039	GN23019
30 mm Round 1/2 circle double needle	90			GN23049D	GN23039D	GN23019D
30 mm Taper cut 1/2 circle double needle	90			GN43049D	GN43039D	
30 mm Reverse cutting 3/8 circle	75			GN63047	GN63037	GN63017
	90			GN63049	GN63039	GN63019
30 mm straight cutting	75			GN03047	GN03037	
	90			GN03049	GN03039	
35 mm Reverse cutting 3/8 circle	75			GN63547	GN63537	GN63517
	90			GN63549	GN63539	GN63519

Monofilament polyamide black

Needle Type	Thread (cm)	Gauge				
		4/0	3/0	2/0	0	1
40 mm	75		GN24047H	GN24037H	GN24017H	GN24027H
Round 1/2 circle heavy	90		GN24049H	GN24039H	GN24019H	GN24029H
40 mm	75			GN24037	GN24017	GN24027
Round 1/2 circle	90			GN24039	GN24019	GN24029
40 mm						
Round 1/2 circle double needle	90		GN24049D	GN24039D	GN24019D	
40 mm	75				GN74017	GN74027
Reverse cutting 1/2 circle	90				GN74019	GN74029
40 mm	75			GN64037	GN64017	GN64027
Reverse cutting 3/8 circle	90			GN64039	GN64019	GN64029
45 mm	75				GN24517	GN24527
Round 1/2 circle	90				GN24519	GN24529
45 mm	75				GN34517	GN34527
Round 3/8 circle	90				GN34519	GN34529
45 mm	75				GN74517	GN74527
Reverse cutting 1/2 circle	90				GN74519	GN74529
45 mm	75				GN64517	GN64517
Reverse cutting 3/8 circle	90				GN64519	GN64529
48 mm	75				GN74817	GN74827
Reverse cutting 1/2 circle	90				GN74819	GN74829
48 mm	75				GN64817	GN64817
Reverse cutting 3/8 circle	90				GN64819	GN64829
50 mm	150c					
Round heavy 1/2 circle	m loop				GN250115L	GN250215L
50 mm						
Round 1/2 circle	90				GN25019	GN25029
50 mm	75				GN75017	GN75027
Reverse cutting 1/2 circle	90				GN75019	GN75029
50 mm	75				GN65017	GN65027
Reverse cutting 3/8 circle	90				GN65019	GN65029
55 mm	75				GN75517	GN75527
Reverse cutting 1/2 circle	90				GN75519	GN75529

Monofilament polyamide black

Needle Type	Thread (cm)	Gauge				
		4/0	3/0	2/0	0	1
55 mm	75				GN65517	GN65527
Reverse cutting 3/8 circle	90				GN65519	GN65529
50 mm	75	GN05057	GN05047	GN05037		
Reverse cutting straight	90	GN05509	GN05049	GN05039		
60 mm	75	GN06057	GN06047	GN06037		
straight cutting	90	GN06059	GN06049	GN06039		

GMS polyamide

Gauge	70cm
TAPE 5mm	GN57
TAPE 6mm	GN67



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