

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD
RATIO

CATALOGUE
NUMBERS

PROCEDURES

GORE-TEX® Suture

ORDERING INFORMATION









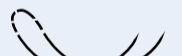
Together, improving life



Double-armed needles

CV-8 thread size | Approximate USP size 7-0









Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTc-7	24"-61 cm	8K10	BV130-5	CV-351, MV-135-5
		TTc-9	18"-46 cm	8J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			24"-61 cm	8K02		
			30"-76 cm	8M02		
	TTc-13	30"-76 cm	8M04	C-1	CV-11, CVF-11	
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24"-61 cm	8K08	CC	KV-1
			30"-76 cm	8M08		
		PT-13	30"-76 cm	8M06	CC-1	KV-11

Double-armed needles

CV-7 thread size | Approximate USP size 6-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference			
 Taper point 3/8 circle		TTc-9	18"-46 cm	7J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8			
			24"-61 cm	7K02					
			30"-76 cm	7M02					
	 Taper point 1/2 circle		TTc-12	30"-76 cm	7M12	BV	CV-11, CVF		
					TTc-13			24"-61 cm	7K06
								30"-76 cm	7M06
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24"-61 cm	7K04	CC	KV-1			
			30"-76 cm	7M04					
		PT-13	30"-76 cm	7M08	CC-1	KV-11			

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0














CV-2 | 0

CV-0 | 1

Double-armed needles

CV-6 thread size | Approximate USP size 5-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference			
 Taper point 3/8 circle		TTc-9	18"-46 cm	6J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8			
			24"-61 cm	6K02					
			30"-76 cm	6M02					
	 Taper point 1/2 circle		TTc-12	30"-76 cm	6M10	BV	CV-11, CVF		
					TTc-13	30"-76 cm	6M04	C-1	CV-11, CVF-11
						36"-91 cm	6N04		
 Taper point 1/2 circle		THc-9	30"-76 cm	6M24	N/A	CV-20			
				THc-13	30"-76 cm	6M12	RB-2	CV-22, CVF-22	
					TH-18	36"-91 cm	6N16	RB-1	CV-23, CVF-23
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24"-61 cm	6K06	CC	KV-1			
			30"-76 cm	6M06					
			PT-13	30"-76 cm	6M08	CC-1	KV-11		
 Piercing point 1/2 circle		PH-13	30"-76 cm	6M14	N/A	N/A			

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0







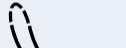

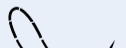


CV-2 | 0

CV-0 | 1

Double-armed needles

CV-5 thread size | Approximate USP size 4-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTc-13	24"-61 cm	5K02	C-1	CV-11, CVF-11
			30"-76 cm	5M02		CV-11, CVF-11, MV-175-8
			36"-91 cm	5N02		
		TT-17	36"-91 cm	5N06	BB	CV-15, CVF-15
 Taper point 1/2 circle		THc-13	24"-61 cm	5K12	RB-2	CV-22, CVF-22
			30"-76 cm	5M12		
			36"-91 cm	5N12		
		TH-18	36"-91 cm	5N04	RB-1	CV-23, CVF-23
	TH-26	36"-91 cm	5N20	SH	V-20	
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-13	36"-91 cm	5N08	CC-1	KV-11
		PT-17	36"-91 cm	5N10	V-4	KV-15
 Piercing point 1/2 circle		PH-13	30"-76 cm	5M16	N/A	N/A
		PH-17	36"-91 cm	5N14	V-5	KV-5

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0












CV-2 | 0

CV-0 | 1

Double-armed needles

CV-4 thread size | Approximate USP size 3-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TT-17	36"-91 cm	4N04	BB130-56	CV-15, CVF-15
	 Taper point 1/2 circle		TH-18	36"-91 cm	4N02	RB-1
			48"-122 cm	4U02		
		TH-26	36"-91 cm	4N06	SH	V-20
				48"-122 cm		
	TH-35	36"-91 cm	4N12	MH	V-26	
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-17	36"-91 cm	4N10	V-4	KV-15
	 Piercing point 1/2 circle		PH-17	36"-91 cm	4N08	V-5
		PH-24	36"-91 cm	4N16	V-7	KV-7

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0













CV-2 | 0

CV-0 | 1

Double-armed needles

CV-3 thread size | Approximate USP size 2-0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TT-17	36"-91 cm	3N02	BB130-5	CV-15, CVF-15
	 Taper point 1/2 circle		TH-18	36"-91 cm	3N04	RB1
		TH-26	36"-91 cm	3N08	SH	V-20
			48"-122 cm	3U08		
		TH-35	36"-91 cm	3U06	MH	V-26
			48"-122 cm	3N06		
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body			PT-17	36"-91 cm	3N14	V-4
	 Piercing point 1/2 circle		PH-17	36"-91 cm	3N12	V-5
		PH-24	36"-91 cm	3N10	V-7	KV-7
			48"-122 cm	3U10		
	PH-35	48"-122 cm	3U20	V-34	KV-34	






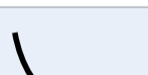






Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

Single-armed needles

Double-armed needles

CV-2 thread size | Approximate USP size 0

Single-armed needles

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 1/2 circle		TH-26	36"-91 cm	2N01	SH	V-20
		THX-22	36"-91 cm	2N03	M07	GS-23
		THX-25	36"-91 cm	2N13	M06	GS-22
		THX-26	36"-91 cm	2N05	CT-2	GS-22
		THX-36	36"-91 cm	2N07	CT-1	GS-21
 Taper point 5/8 circle Smooth, even point for easily penetrated tissues, tapered body		TFX-25	36"-91 cm	2N19	UR-6	GU-46
 Taper point straight		TS-50	36"-91 cm	2N23	ST-1	ST-1
 Straight cutting		CS-65	30"-76 cm	2M25	KS	N/A

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0

CV-2 | 0







CV-0 | 1

Single-armed needles

Double-armed needles

CV-2 thread size | Approximate USP size 0

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 1/2 circle		TH-26	36"-91 cm	2N02	SH	V-20
		THX-26	36"-91 cm	2N06	CT-2	GS-22
		THX-36	36"-91 cm	2N08	CT-1	GS-21
 Piercing point 1/2 circle Cutting edges for tough tissue, triangular body		PH-24	36"-91 cm	2N10	V-7	KV-7

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0

CV-2 | 0










CV-0 | 1

Single-armed needles

Double-armed needles

CV-0 thread size | Approximate USP size 1

Single-armed needles

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 1/2 circle		TH-50	48"-122 cm	OU01	CTX	GS-25
		THX-25	36"-91 cm	ON13	M06	GS-22
		THX-26	36"-91 cm	ON05	CT-2	GS-22
		THX-36	36"-91 cm	ON07	CT-1	GS-21
 Taper point 5/8 circle		TFX-25	36"-91 cm	ON09	UR-6	GU-46
 Taper point 1/2 curve (ski) Smooth, even point for easily penetrated tissues, tapered body		TLX-25	48"-122 cm	OU03	EN-S	SK

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0

CV-2 | 0




CV-0 | 1

Single-armed needles

Double-armed needles

CV-0 thread size | Approximate USP size 1

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 1/2 circle		THX-26	48"-122 cm	OU06	CT-2	GS-22
		THX-36	36"-91 cm	ON08	CT-1	GS-21

18"–46 cm

24"–61 cm

30"–76 cm

36"–91 cm



48"–122 cm

Double-armed needles

18"–46 cm thread lengths

Double-armed needles

Thread size:	CV-8	CV-7	CV-6
Approximate USP size:	7-0	6-0	5-0

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number			Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTc-9	18"–46 cm	8J02	7J02	6J02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

18"–46 cm

24"–61 cm

30"–76 cm








36"–91 cm

48"–122 cm

Double-armed needles

24"–61 cm thread lengths

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Thread size:			
				CV-8	CV-7	CV-6	CV-5
Approximate USP size:				7-0	6-0	5-0	4-0
 Taper point 3/8 circle		TTC-7	24"–61 cm	8K10			
		TTC-9	24"–61 cm	8K02	7K02	6K02	
		TTC-13	24"–61 cm		7K06		5K02
		THC-13	24"–61 cm				5K12
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24"–61 cm	8K08	7K04	6K06	

Ethicon reference	Medtronic reference
BV130-5	CV-351, MV-135-5
BV-1, BV175-8	CV-1, CVF-1, MV-175-8
C-1	CV-11, CVF-11
RB-2	CV-22, CVF-22
CC	KV-1

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

18"–46 cm

24"–61 cm

30"–76 cm

36"–91 cm

48"–122 cm

Single-armed needles


Double-armed needles

30"–76 cm thread lengths

Single-armed needles

Thread size: **CV-2**

Approximate USP size: **0**

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
▲ Straight cutting Cutting edges for tough tissue, triangular body		CS-65	30"–76 cm	2M25	KS	N/A

18"–46 cm

24"–61 cm

30"–76 cm

36"–91 cm













48"–122 cm

Single-armed needles

Double-armed needles

30"–76 cm thread lengths

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Thread size:				Ethicon reference	Medtronic reference
				CV-8	CV-7	CV-6	CV-5		
				Approximate USP size:					
				7-0	6-0	5-0	4-0		
 Taper point 3/8 circle		TTc-9	30"–76 cm	8M02	7M02	6M02		BV-1, BV175-8	CV-1, CVF-1, MV-175-8
		TTc-12	30"–76 cm		7M12	6M10		BV	CV-11, CVF
		TTc-13	30"–76 cm	8M04	7M06	6M04	5M02	C-1	CV-11, CVF-11
 Taper point 1/2 circle		THc-9	30"–76 cm			6M24		N/A	CV-20
		THc-13	30"–76 cm		7M10	6M12	5M12	RB-2	CV-22, CVF-22
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	30"–76 cm	8M08	7M04	6M06		CC	KV-1
		PT-13	30"–76 cm	8M06	7M08	6M08		CC-1	KV-11
 Piercing point 1/2 circle		PH-13	30"–76 cm			6M14	5M16	N/A	N/A

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

18"–46 cm

24"–61 cm

30"–76 cm

36"–91 cm










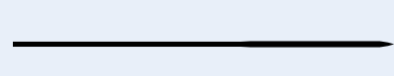
48"–122 cm

Single-armed needles

Double-armed needles

36"–91 cm thread lengths

Single-armed needles

Needle type	Single-armed needles	Needle code	Thread length	Thread size: CV-2		Ethicon reference	Medtronic reference
				CV-2	CV-0		
				Approximate USP size: 0			
				0	1		
 Taper point 1/2 circle		TH-26	36"–91 cm	2N01		SH	V-20
		THX-22	36"–91 cm	2N03		M07	GS-23
		THX-25	36"–91 cm	2N13		M06	GS-22
		THX-26	36"–91 cm	2N05		CT-2	GS-22
		THX-36	36"–91 cm	2N07		CT-1	GS-21
 Taper point 5/8 circle		TFX-25	36"–91 cm	2N19		UR-6	GU-46
 Taper point straight		TS-50	36"–91 cm	2N23		ST-1	ST-1

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

18"–46 cm

24"–61 cm

30"–76 cm

36"–91 cm
















48"–122 cm

Single-armed needles

Double-armed needles

36"–91 cm thread lengths

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Thread size:						Ethicon reference	Medtronic reference
				CV-6	CV-5	CV-4	CV-3	CV-2	CV-0		
				Approximate USP size:							
				5-0	4-0	3-0	2-0	0	1		
 Taper point 3/8 circle		TTC-13	36"–91 cm	6N04	5N02					C-1	CV-11, CVF-11
		TT-17	36"–91 cm		5N06	4N04	3N02			BB	CV-15, CVF-15
 Taper point 1/2 circle		THC-13	36"–91 cm		5N12					RB-2	CV-22, CVF-22
		TH-18	36"–91 cm	6N16	5N04	4N02	3N04			RB-1	CV-23, CVF-23
		TH-26	36"–91 cm		5N20	4N06	3N08	2N02		SH	V-20
		TH-35	36"–91 cm			4N12	3N06			MH	V-26
		THX-26	36"–91 cm						2N06	CT-2	GS-22
		THX-36	36"–91 cm						2N08	0N08	CT-1
 Taper point straight		PT-13	36"–91 cm		5N08					CC-1	KV-11
		PT-17	36"–91 cm		5N10	4N10	3N14			V-4	KV-15
		PH-17	36"–91 cm		5N14	4N08	3N12			V-5	KV-5
		PH-24	36"–91 cm			4N16	3N10	2N10		V-7	KV-7

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

18"–46 cm

24"–61 cm

30"–76 cm

36"–91 cm

48"–122 cm

Single-armed needles





Double-armed needles

48"–122 cm thread lengths

Single-armed needles

Thread size: **CV-0**

Approximate USP size: **1**

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 1/2 circle		TH-50	48"–122 cm	OU01	CTX	GS-25
 Taper point 1/2 curve (ski) Smooth, even point for easily penetrated tissues, tapered body		TLX-25	48"–122 cm	OU03	EN-S	SK

18"–46 cm

24"–61 cm

30"–76 cm

36"–91 cm


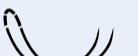




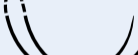

48"–122 cm

Single-armed needles

Double-armed needles

48"–122 cm thread lengths

Double-armed needles

Needle type	Double-armed needles	Needle code	Thread length	Thread size:				Ethicon reference	Medtronic reference
				CV-4	CV-3	CV-2	CV-0		
Approximate USP size:				3-0	2-0	0	1		
 Taper point 1/2 circle		TH-18	48"–122 cm	4U02				RB-1	CV-23, CVF-23
		TH-26	48"–122 cm	4U06	3U08			SH	V-20
		TH-35	48"–122 cm		3U06			MH	V-26
		THX-26	48"–122 cm				0U06	CT-2	GS-22
 Piercing point 1/22 circle Multi-needle		PH-24	48"–122 cm		3U10			V-7	KV-7
		PH-35	48"–122 cm		3U20			V-34	KV-34

**Taper point
3/8 circle**

Taper point
1/2 circle

Taper point
5/8 circle

Taper point
1/2 curve (ski)

Taper point
straight

Piercing point
3/8 circle






Piercing point
1/2 circle

Straight
cutting

Double-armed needles

⊙ Taper point 3/8 circle

Double-armed needles

		Thread size:								
		CV-8	CV-7	CV-6	CV-5	CV-4	CV-3			
		Approximate USP size:								
		7-0	6-0	5-0	4-0	3-0	2-0			
Double-armed needles	Needle code	Thread length	Catalogue number					Ethicon reference	Medtronic reference	
	TTc-7	24"-61 cm	8K10					BV130-5	CV-351, MV-135-5	
	TTc-9	18"-46 cm	8J02	7J02	6J02			BV-1, BV175-8	CV-1, CVF-1, MV-175-8	
		24"-61 cm	8K02	7K02	6K02					
		30"-76 cm	8M02	7M02	6M02					
	TTc-12	30"-76 cm		7M12	6M10			BV	CV-1, CVF	
	TTc-13	24"-61 cm		7K06		5K02		C-1	CV-11, CVF-11	
		30"-76 cm	8M04	7M06	6M04	5M02				
		36"-91 cm			6N04	5N02				
	TT-17	36"-91 cm				5N06	4N04	3N02	BB	CV-15, CVF-15

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

Taper point
3/8 circle

**Taper point
1/2 circle**

Taper point
5/8 circle

Taper point
1/2 curve (ski)

Taper point
straight

Piercing point
3/8 circle

Piercing point
1/2 circle

Straight
cutting

Single-armed needles







Double-armed needles

⊙ Taper point 1/2 circle

Single-armed needles

Thread size: **CV-2** **CV-0**

Approximate USP size: **0** **1**

Single-armed needles	Needle code	Thread length	Catalogue Number		Ethicon reference	Medtronic reference
	TH-26	36"-91 cm	2N01		SH	V-20
	TH-50	48"-122 cm		OU01	CTX	GS-25
	THX-22	36"-91 cm	2N03		M07	GS-23
	THX-25	36"-91 cm	2N13	ON13	M06	GS-22
	THX-26	36"-91 cm	2N05	ON05	CT-2	GS-22
	THX-36	36"-91 cm	2N07	ON07	CT-1	GS-21

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

Taper point
3/8 circle

**Taper point
1/2 circle**

Taper point
5/8 circle

Taper point
1/2 curve (ski)

Taper point
straight

Piercing point
3/8 circle

Piercing point
1/2 circle

Straight
cutting








Single-armed needles

Double-armed needles

⊙ Taper point 1/2 circle

Double-armed needles

Thread size:	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	6-0	5-0	4-0	3-0	2-0	0	1

Double-armed needles	Needle code	Thread length	Catalogue number							Ethicon reference	Medtronic reference
	THc-9	30"-76 cm		6M24						N/A	CV-20
	THc-13	24"-61 cm			5K12						
		30"-76 cm	7M10	6M12	5M12						
		36"-91 cm			5N12						
	TH-18	36"-91 cm		6N16	5N04	4N02	3N04			RB-1	CV-23, CVF-23
		48"-122 cm				4U02					
	TH-26	36"-91 cm			5N20	4N06	3N08	2N02		SH	V-20
		48"-122 cm				4U06	3U08				
	TH-35	36"-91 cm				4N12	3N06			MH	V-26
		48"-122 cm					3U06				
	THX-26	36"-91 cm						2N06		CT-2	GS-22
		48"-122 cm							0U06		
	THX-36	36"-91 cm						2N08	0N08	CT-1	GS-21

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

Taper point 3/8 circle

Taper point 1/2 circle

Taper point 5/8 circle

Taper point 1/2 curve (ski)

Taper point straight

Piercing point 3/8 circle

Piercing point 1/2 circle

Straight cutting

Single-armed needles

⊙ Taper point 5/8 circle

Single-armed needles

Thread size: CV-2

CV-0

Approximate USP size: 0

1

Single-armed needles	Needle code	Thread length	Catalogue number
	TFX-25	36"-91 cm	2N19

Ethicon reference	Medtronic reference
UR-6	GU-46

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

Taper point
3/8 circle

Taper point
1/2 circle

Taper point
5/8 circle

**Taper point
1/2 curve (ski)**

Taper point
straight

Piercing point
3/8 circle

Piercing point
1/2 circle

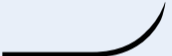
Straight
cutting

Single-armed needles

⊙ Taper point 1/2 curve Single-armed needles

Thread size: **CV-0**

Approximate USP size: **1**

Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
	TLX-25	48"-122 cm	0U03	EN-S	SK

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

Taper point
3/8 circle

Taper point
1/2 circle

Taper point
5/8 circle

Taper point
1/2 curve (ski)

**Taper point
straight**

Piercing point
3/8 circle

Piercing point
1/2 circle


Straight
cutting

Single-armed needles

⊙ Taper point straight Single-armed needles

Thread size: **CV-2**

Approximate USP size: **0**

Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
	TS-50	36"-91 cm	2N23	ST-1	ST-1

Taper point
3/8 circle

Taper point
1/2 circle

Taper point
5/8 circle

Taper point
1/2 curve (ski)

Taper point
straight

**Piercing point
3/8 circle**




Piercing point
1/2 circle

Straight
cutting

Double-armed needles

▲ Piercing point 3/8 circle

Double-armed needles

		Thread size:								
		CV-8	CV-7	CV-6	CV-5	CV-4	CV-3			
		Approximate USP size:								
		7-0	6-0	5-0	4-0	3-0	2-0			
Double-armed needles	Needle code	Thread length	Catalogue number						Ethicon reference	Medtronic reference
	PT-9	24"–61 cm	8K08	7K04	6K06				CC	KV-1
		30"–76 cm	8M08	7M04	6M06					
	PT-13	30"–76 cm	8M06	7M08	6M08				CC-1	KV-11
		36"–91 cm				5N08				
	PT-17	36"–91 cm				5N10	4N10	3N14	V-4	KV-15

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

Taper point
3/8 circle

Taper point
1/2 circle

Taper point
5/8 circle

Taper point
1/2 curve (ski)

Taper point
straight

Piercing point
3/8 circle

**Piercing point
1/2 circle**





Straight
cutting

Double-armed needles

▲ Piercing point 1/2 circle

Double-armed needles

Thread size:	CV-6	CV-5	CV-4	CV-3	CV-2
Approximate USP size:	5-0	4-0	3-0	2-0	0

Double-armed needles	Needle code	Thread length	Catalogue number				
	PH-13	30"-76 cm	6M14	5M16			
	PH-17	36"-91 cm		5N14	4N08	3N12	
	PH-24	36"-91 cm			4N16	3N10	2N10
		48"-122 cm				3U10	
	PH-35	48"-122 cm				3U20	

Ethicon reference	Medtronic reference
N/A	N/A
V-5	KV-5
V-7	KV-7
V-34	KV-34

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

Taper point
3/8 circle

Taper point
1/2 circle

Taper point
5/8 circle

Taper point
1/2 curve (ski)

Taper point
straight

Piercing point
3/8 circle

Piercing point
1/2 circle

**Straight
cutting**


Single-armed needles

▲ Straight cutting

Single-armed needles

Thread size: **CV-2**

Approximate USP size: **0**

Single-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
	CS-65	30"-76 cm	2M25	KS	N/A

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

All products and needle-to-thread ratios

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
	TTc-7 (1.6:1)	TTc-9 (1.4:1)	TTc-9 (1:1)	TTc-13 (1:1)	TT-17 (1.2:1)	TT-17 (1:1)	TFX-25 (1.6:1)	TFX-25 (1.6:1)
	TTc-9 (1.9:1)	TTc-12 (1.4:1)	TTc-12 (1:1)	TT-17 (1.2:1)	TH-18 (1.2:1)	TH-18 (1:1)	TLX-25 (1.9:1)	TLX-25 (1.6:1)
	TTc-13 (2.2:1)	TTc-13 (1.6:1)	TTc-13 (1.4:1)	THc-13 (1:1)	TH-22 (1.3:1)	TH-26 (1.2:1)	TH-26 (1:1)	TH-50 (1.6:1)
	PT-9 (1.9:1)	THc-13 (1.6:1)	THc-9 (1:1)	TH-18 (1.2:1)	TH-26 (1.6:1)	TH-35 (1.2:1)	THX-22 (1.9:1)	THX-25 (1.6:1)
	PT-13 (2.2:1)	PT-9 (1.4:1)	THc-13 (1.4:1)	TH-22 (1.7:1)	TH-35 (1.6:1)	PT-17 (1:1)	THX-25 (1.9:1)	THX-26 (1.3:1)
		PT-13 (1.6:1)	TH-18 (1.6:1)	TH-26 (1.7:1)	PT-17 (1.2:1)	PH-17 (1:1)	THX-26 (1.6:1)	THX-36 (1.3:1)
			PT-9 (1:1)	PT-13 (1:1)	PH-17 (1.2:1)	PH-24 (1.2:1)	THX-36 (1.6:1)	
			PT-13 (1.4:1)	PT-17 (1.2:1)	PH-24 (1.6:1)	PH-30 (1.3:1)	PH-24 (1:1)	
			PH-13 (1.4:1)	PH-13 (1:1)	PH-35 (1.8:1)	PH-35 (1.5:1)	PS-4 (1.9:1)	
				PH-17 (1.2:1)			CS-65 (1.2:1)	
							TS-50 (1.2:1)	

Indicates products with 1:1 needle-to-thread ratio

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
			TTc-9 (1:1)	TTc-13 (1:1)		TT-17 (1:1)	TH-26 (1:1)	
			TTc-12 (1:1)	THc-13 (1:1)		TH-18 (1:1)	PH-24 (1:1)	
			THc-9 (1:1)	PT-13 (1:1)		PT-17 (1:1)		
			PT-9 (1:1)	PH-13 (1:1)		PH-17 (1:1)		

Indicates products with 1:1 needle-to-thread ratio

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.2:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
				TT-17 (1.2:1)	TT-17 (1.2:1)	TH-26 (1.2:1)	CS-65 (1.2:1)	
				TH-18 (1.2:1)	TH-18 (1.2:1)	TH-35 (1.2:1)	TS-50 (1.2:1)	
				PT-17 (1.2:1)	PT-17 (1.2:1)	PH-24 (1.2:1)		
				PH-17 (1.2:1)	PH-17 (1.2:1)			

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.3:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
					TH-22 (1.3:1)	PH-30 (1.3:1)		THX-26 (1.3:1) THX-36 (1.3:1)

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.4:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
		TTc-9 (1.4:1)	TTc-13 (1.4:1)			CS-65 (1.4:1)		
		TTc-12 (1.4:1)	THc-13 (1.4:1)					
		PT-9 (1.4:1)	PT-13 (1.4:1)					
			PH-13 (1.4:1)					

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.5:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

PH-65 (1.5:1)

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.6:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
	TTc-7 (1.6:1)	TTc-13 (1.6:1)	TH-18 (1.6:1)		TH-26 (1.6:1)		TFX-25 (1.6:1)	TFX-25 (1.6:1)
		THc-13 (1.6:1)			TH-35 (1.6:1)		THX-26 (1.6:1)	TLX-25 (1.6:1)
		PT-13 (1.6:1)			PH-24 (1.6:1)		THX-36 (1.6:1)	TH-50 (1.6:1)
								THX-25 (1.6:1)

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.7:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

TH-22 (1.7:1)

TH-26 (1.7:1)

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.8:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

PH-35 (1.8:1)

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

1.9:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1
	TTc-9 (1.9:1)						TLX-25 (1.9:1)	
	PT-9 (1.9:1)						THX-22 (1.9:1)	
							THX-25 (1.9:1)	
							PS-4 (1.9:1)	

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

1:1

1.2:1

1.3:1

1.4:1

1.5:1

1.6:1

1.7:1

1.8:1

1.9:1

2.2:1

2.2:1 Needle-to-thread ratio

Thread size:	CV-8	CV-7	CV-6	CV-5	CV-4	CV-3	CV-2	CV-0
Approximate USP size:	7-0	6-0	5-0	4-0	3-0	2-0	0	1

TTC-13 (2.2:1)

PT-13 (2.2:1)

Double-armed needles

CV-8 Thread size | Approximate USP size 7-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
8J02	CV-8	18" (46 cm)	TTc-9
8K02	CV-8	24" (61 cm)	TTc-9
8K08	CV-8	24" (61 cm)	PT-9
8K10	CV-8	24" (61 cm)	TTc-7
8M02	CV-8	30" (76 cm)	TTc-9
8M04	CV-8	30" (76 cm)	TTc-13
8M06	CV-8	30" (76 cm)	PT-13
8M08	CV-8	30" (76 cm)	PT-9

Double-armed needles

CV-7 Thread size | Approximate USP size 6-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
7J02	CV-7	18" (46 cm)	TTc-9
7K02	CV-7	24" (61 cm)	TTc-9
7K04	CV-7	24" (61 cm)	PT-9
7K06	CV-7	24" (61 cm)	TTc-13
7M02	CV-7	30" (76 cm)	TTc-9
7M04	CV-7	30" (76 cm)	PT-9
7M06	CV-7	30" (76 cm)	TTc-9
7M08	CV-7	30" (76 cm)	PT-13
7M10	CV-7	30" (76 cm)	THc-13
7M12	CV-7	30" (76 cm)	TTc-12

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0

CV-2 | 0

CV-0 | 1

Double-armed needles

CV-6 Thread size | Approximate USP size 5-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
6J02	CV-6	18" (46 cm)	TTc-9
6K02	CV-6	24" (61 cm)	TTc-9
6K06	CV-6	24" (61 cm)	PT-9
6M02	CV-6	30" (76 cm)	TTc-9
6M04	CV-6	30" (76 cm)	TTc-13
6M06	CV-6	30" (76 cm)	PT-9
6M08	CV-6	30" (76 cm)	PT-13
6M10	CV-6	30" (76 cm)	TTc-12
6M12	CV-6	30" (76 cm)	THc-13
6M14	CV-6	30" (76 cm)	PH-13
6M24	CV-6	30" (76 cm)	THc-9
6N04	CV-6	36" (91 cm)	TTc-13
6N16	CV-6	36" (91 cm)	TH-18

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

CV-8 | 7-0

CV-7 | 6-0

CV-6 | 5-0

CV-5 | 4-0

CV-4 | 3-0

CV-3 | 2-0

CV-2 | 0

CV-0 | 1

Double-armed needles

CV-5 Thread size | Approximate USP size 4-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
5K02	CV-5	24" (61 cm)	TTc-13
5K12	CV-5	24" (61 cm)	THc-13
5M02	CV-5	30" (76 cm)	TTc-13
5M12	CV-5	30" (76 cm)	THc-13
5M16	CV-5	30" (76 cm)	PH-13
5N02	CV-5	36" (91 cm)	TTc-13
5N04	CV-5	36" (91 cm)	TH-18
5N06	CV-5	36" (91 cm)	TT-17
5N08	CV-5	36" (91 cm)	PT-13
5N10	CV-5	36" (91 cm)	PT-17
5N12	CV-5	36" (91 cm)	THc-13
5N14	CV-5	36" (91 cm)	PH-17
5N20	CV-5	36" (91 cm)	TH-26

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

Double-armed needles

CV-4 Thread size | Approximate USP size 3-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
4N02	CV-4	36" (91 cm)	TH-18
4N04	CV-4	36" (91 cm)	TT-17
4N06	CV-4	36" (91 cm)	TH-26
4N08	CV-4	36" (91 cm)	PH-17
4N10	CV-4	36" (91 cm)	PT-17
4N12	CV-4	36" (91 cm)	TH-35
4N16	CV-4	36" (91 cm)	PH-24
4U02	CV-4	48" (122 cm)	TH-18
4U06	CV-4	48" (122 cm)	TH-26

Double-armed needles

CV-3 Thread size | Approximate USP size 2-0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
3N02	CV-3	36" (91 cm)	TT-17
3N04	CV-3	36" (91 cm)	TH-18
3N06	CV-3	36" (91 cm)	TH-35
3N08	CV-3	36" (91 cm)	TH-26
3N10	CV-3	36" (91 cm)	PH-24
3N12	CV-3	36" (91 cm)	PH-17
3N14	CV-3	36" (91 cm)	PT-17
3U06	CV-3	48" (122 cm)	TH-35
3U08	CV-3	48" (122 cm)	TH-26
3U10	CV-3	48" (122 cm)	PH-24
3U20	CV-3	48" (122 cm)	PH-35

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

CV-2 Thread size | Approximate USP size 0

Single-armed needles

Catalogue number	Thread size	Thread length	Needle code
2M25	CV-2	30" (76 cm)	CS-65
2N01	CV-2	36" (91 cm)	TH-26
2N03	CV-2	36" (91 cm)	THX-22
2N05	CV-2	36" (91 cm)	THX-26
2N07	CV-2	48" (122 cm)	THX-36
2N13	CV-2	36" (91 cm)	THX-25
2N19	CV-2	48" (122 cm)	TFX-25
2N23	CV-2	48" (122 cm)	TS-50

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

Single-armed needles

Double-armed needles

CV-2 Thread size | Approximate USP size 0

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
2N02	CV-2	36" (91 cm)	TH-26
2N06	CV-2	36" (91 cm)	THX-26
2N08	CV-2	36" (91 cm)	THX-36
2N10	CV-2	36" (91 cm)	PH-24

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

Single-armed needles

Double-armed needles

CV-0 Thread size | Approximate USP size 1

Single-armed needles

Catalogue number	Thread size	Thread length	Needle code
ON05	CV-0	36" (91 cm)	THX-26
ON07	CV-0	36" (91 cm)	THX-36
ON09	CV-0	36" (91 cm)	TFX-25
ON13	CV-0	36" (91 cm)	THX-25
OU01	CV-0	48" (122 cm)	TH-50
OU03	CV-0	48" (122 cm)	TLX-25

Single-armed needles

Double-armed needles

CV-0 Thread size | Approximate USP size 1

Double-armed needles

Catalogue number	Thread size	Thread length	Needle code
ON08	CV-0	36" (91 cm)	THX-36
OU06	CV-0	48" (122 cm)	THX-26

AV access graft

AV fistula

Bypass





Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

AV access graft

Thread Size:	CV-7	CV-6
Approximate USP Size:	6-0	5-0

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTc-9	24"-61 cm	7K02	6K02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			30"-76 cm	7M02	6M02		
		TTc-12	30"-76 cm	7M12	6M10	BV	CV-11, CVF
				TTc-13	24"-61 cm		
	30"-76 cm	7M06			6M04	C-1	CV-11, CVF-11

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

AV fistula

Bypass

Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

AV fistula

Thread Size:	CV-8	CV-7
Approximate USP Size:	7-0	6-0

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTC-9	18"-46 cm	8J02	7J02	BV130-5	CV-351, MV-135-5

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

AV fistula

Bypass

Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

Aorto-bifemoral

Femoro-popliteal

Anastomoses







Axillo-femoral

Distal

Proximal

Distal aorto-bifemoral

Thread Size: **CV-6** **CV-5**
 Approximate USP Size: **5-0** **4-0**

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTc-12	30"-76 cm	6M10		BV130-5	CV-351, MV-135-5
		TTc-13	30"-76 cm	6M04	5M02	C-1	CV-11, CVF-11
 Taper point 1/2 circle		THc-13	30"-76 cm	6M12	5M12	N/A	CV-20
		TH-18	36"-91 cm	6N16	5N04	RB-1	CV-23, CVF-23

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

AV fistula

Bypass

Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

Aorto-bifemoral

Femoro-popliteal

Anastomoses






Axillo-femoral

Distal

Proximal

Proximal aorto-bifemoral

Thread Size: **CV-4** **CV-3**
 Approximate USP Size: **3-0** **2-0**

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 1/2 circle		TH-18	36"-91 cm	4N02	3N04	N/A
		TH-26	36"-91 cm	4N06	3N08	SH
 Piercing point 1/2 circle		PH-24	36"-91 cm	4N16	3N10	N/A

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

AV fistula

Bypass

Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

Aorto-bifemoral

Femoro-popliteal

Anastomoses





Axillo-femoral

Distal

Proximal

Distal femoro-popliteal

Thread Size:	CV-8	CV-7	CV-6
Approximate USP Size:	7-0	6-0	5-0

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number			Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTC-9	24"-61 cm	8K02	7K02	6K02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			30"-76 cm	8M02	7M02			
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	30"-76 cm	8M08	7M04	6M06	CC	KV-1

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

AV fistula

Bypass

Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

Aorto-bifemoral

Femoro-popliteal

Anastomoses





Axillo-femoral

Distal

Proximal

Proximal femoro-popliteal

Thread Size: **CV-6** **CV-5**
 Approximate USP Size: **5-0** **4-0**

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTC-9	30"-76 cm	6M02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
		TTC-12	30"-76 cm	6M10		
		TTC-13	30"-76 cm	6M04		
36"-91 cm	6N04		5N02			
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-13	30"-76 cm	6M08	CC-1	KV-11
			36"-91 cm			

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

AV fistula

Bypass

Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

Aorto-bifemoral

Femoro-popliteal

Anastomoses






Axillo-femoral

Distal

Proximal

Distal anastomoses

Thread Size: **CV-8** **CV-7** **CV-6**
 Approximate USP Size: **7-0** **6-0** **5-0**

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number			Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTC-9	24"-61 cm	8K02	7K02	6K02	BV-1, BV175-8	CV-1, CVF-1, MV-175-8
			30"-76 cm	8M02	7M02	6M02		
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-9	24"-61 cm	8K08		6K06	BV	CV-11, CVF
			30"-76 cm	8M08	7M04	6M06		
		PT-13	30"-76 cm	8M06	7M08	6M08	CC	KV-1
							CC-1	KV-11

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

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Chest wall reconstruction

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Aorto-bifemoral

Femoro-popliteal

Anastomoses








Axillo-femoral

Distal

Proximal

Proximal anastomoses

Thread Size: **CV-6** **CV-5**
 Approximate USP Size: **5-0** **4-0**

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTC-9	30"-76 cm	6M02		BV130-5	CV-351, MV-135-5
		TTC-12	30"-76 cm	6M10		BV	CV-11, CVF
		TTC-13	30"-76 cm	6M04	5M02	C-1	CV-11, CVF-11
36"-91 cm			6N04	5N02			
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-13	30"-76 cm	6M08		CC	KV-1
			36"-91 cm		5N08		
		PT-17	36"-91 cm		5N10	V-4	KV-15

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

THREAD SIZES

THREAD LENGTH

NEEDLE POINT

NEEDLE-TO-THREAD RATIO

CATALOGUE NUMBERS

PROCEDURES

AV access graft

AV fistula

Bypass

Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

Aorto-bifemoral







Femoro-popliteal

Anastomoses

Axillo-femoral

Axillo-femoral

Thread Size: **CV-6** **CV-5**
 Approximate USP Size: **5-0** **4-0**

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTC-9	30"-76 cm	6M02	BV130-5	CV-351, MV-135-5
		TTC-12	30"-76 cm	6M10	BV	CV-11, CVF
		TTC-13	30"-76 cm	6M04	5M02	C-1
36"-91 cm			6N04	5N02		
 Piercing point 3/8 circle Multifaceted tip for tough tissue, tapered body		PT-13	30"-76 cm	6M08	CC	KV-1
			36"-91 cm			

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

AV access graft

AV fistula

Bypass

Carotid endarterectomy




Chest wall reconstruction

Ventral hernia repair

Carotid endarterectomy

Thread Size: **CV-6**

Approximate USP Size: **5-0**

Needle type	Double-armed needles	Needle code	Thread length	Catalogue number	Ethicon reference	Medtronic reference
 Taper point 3/8 circle		TTC-9	30"-76 cm	6M02	BV130-5	CV-351, MV-135-5
		TTC-13	30"-76 cm	6M04	C-1	CV-11, CVF-11

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

AV access graft

AV fistula

Bypass

Carotid endarterectomy





Chest wall reconstruction

Ventral hernia repair

Chest wall reconstruction

Single-armed needles

Thread Size:	CV-2	CV-0
Approximate USP Size:	0	1

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper point 1/2 circle		TH-50	48"-122 cm		OU01	CTX	GS-25
		THX-26	36"-91 cm	2N05	ON05	CT-2	GS-22
		THX-36	36"-91 cm	2N07	ON07	CT-1	GS-21

AV access graft

AV fistula

Bypass






Carotid endarterectomy

Chest wall reconstruction

Ventral hernia repair

Ventral hernia repair

Thread Size:	CV-2	CV-0
Approximate USP Size:	0	1

Needle type	Single-armed needles	Needle code	Thread length	Catalogue number		Ethicon reference	Medtronic reference
 Taper point 1/2 circle		TH-26	36"-91 cm	2N02		SH	V-20
		TH-50	48"-122 cm		0U01	CTX	GS-25
		THX-26	36"-91 cm	2N05	0N05	CT-2	GS-22
		THX-36	36"-91 cm	2N07	0N07	CT-1	GS-21

Bold indicates 1:1 needle-to-thread ratio to minimize suture hole bleeding.

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