

CATALOGUE OF

Nylon/Polyamide Polyester Suture - ORLON



CE 2265

EN ISO 13485:2016 Certified

 **orion**™
SUTURES
Since 1994

NEEDLE TYPES

Orion surgical needles are manufactured from highest quality stainless steel grades for outstanding performance, combining high ductility and strong bending moment. Advanced silicon coating ensures smooth penetration and reduced tissue trauma. The shape of the needle body is designed in order to allow maximum stability in the needle holder.

5/8 CIRCLE

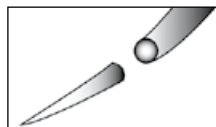
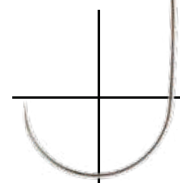
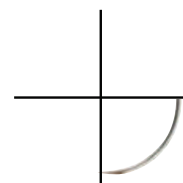
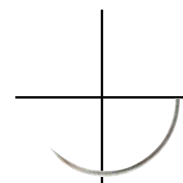
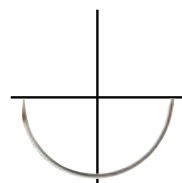
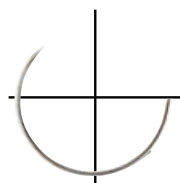
1/2 CIRCLE

3/8 CIRCLE

1/4 CIRCLE

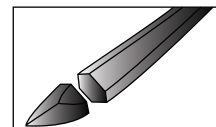
J-NEEDLE

STRAIGHT



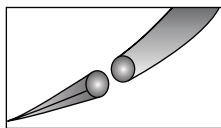
TAPER POINT

A gradual taper to a round bodied needle.



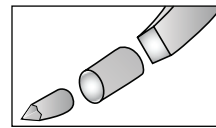
SIDE CUTTING SPATULA NEEDLES

Needle with cutting edges on the two sides.



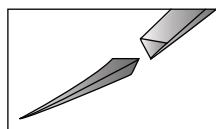
TAPERCUT POINT

Balanced, cutting point-tapering into a round bodied needle.



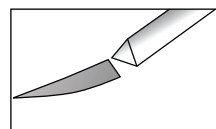
SOFT CUTTING POINT - CORONARY

A minute point followed by a round body and a rectangular main body for better penetration in cardiovascular surgery.



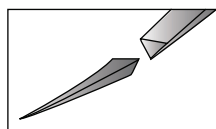
REVERSE CUTTING

A triangular body offers a third cutting edge on the outer convex curvature.



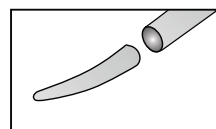
CONVENTIONAL CUTTING

A triangular body offers a third cutting edge on the inside concave curvature.



EASY PASS NEEDLE

Precision point with extra sharpening.



BLUNT NEEDLE

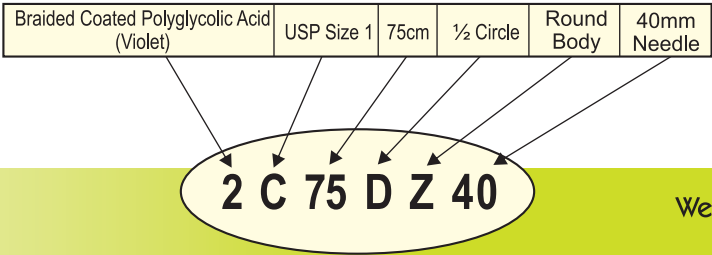
Cylindrical bodied needle with a rounded point. For soft tissue such as in liver and kidneys. Reduced risk of needle stick injuries.

SUTURE SIZE & DIAMETER



SUTURE SIZE & DIAMETER			
USP SIZE		DIAMETER LIMITS (IN MM)	METRIC SIZE
ABSORBABLE SUTURES (Catgut Chromic & Plain)	NONABSORBABLE & SYNTHETIC ABSORBABLE SUTURES		
-----	10-0	0.020 - 0.029	0.2
-----	9-0	0.030 - 0.039	0.3
-----	8-0	0.040 - 0.049	0.4
-----	7-0	0.050 - 0.069	0.5
-----	6-0	0.070 - 0.099	0.7
6-0	5-0	0.100 - 0.149	1
5-0	4-0	0.150 - 0.199	1.5
4-0	3-0	0.200 - 0.249	2
3-0	2-0	0.300 - 0.339	3
2-0	0	0.350 - 0.399	3.5
0	1	0.400 - 0.499	4
1	2	0.500 - 0.599	5
2	3 & 4	0.600 - 0.699	6
3	5	0.700 - 0.799	7

PRODUCT EXPORT CODE INFORMATION OF ORION SUTURES									
Code	PRODUCT	Code 2	USP Size	Code 3	Code 4	Needle Curvature	Code 5	Needle Type	Code 6
1	Braided & Coated Polyglycolic Acid (Undyed)	A	3	Suture Length in Centimetre(cm)	A	Straight Circle	Z	Round Body / Taper Point	Needle Length in mm
2	Braided & Coated Polyglycolic Acid (Violet)	B	2		B	1/4 Circle	Y	Cutting	
3	Monofilament Polyamide (Nylon)	C	1		C	3/8 Circle	X	Reverse Cutting	
4	Catgut Chromic	D	0		D	1/2 Circle	K	Taper Cutting	
5	Black Braided Silk	E	2-0		E	5/8 Circle	T	Trocar Point	
6	Braided Polyester	F	3-0				R	Blunt Point	
7	Catgut Plain	G	4-0				S	Spatula	
8	Monofilament Polypropylene	H	5-0						
9	Monofilament Polydioxanone	I	6-0						
10	Polyglactin 910 (Violet)	J	7-0						
11	Monofilament Poliglecaprone 25	K	8-0						
12	Braided & Coated Polyglactin 910 (Undyed)	L	9-0						
		M	10-0						



Synthetic Non Absorbable Surgical Suture

ORLON (Nylon/Polyamide) Suture is non absorbable, sterile surgical monofilament suture composed of the long-chain aliphatic polymers Nylon 6 and Nylon 6, 6. This Suture is dyed black / blue or green to enhance visibility in tissue
It is mostly used in ophthalmic and neurological procedures

Type	: Monofilament
Material	: Extrusion of polyamide 6.0 or 6.6
Color	: Black / Green
Tissue reaction	: Minimal
Absorption	: Non absorbable, gradually encapsulated by connective tissue. The thread mass Diminishes, approximately 10% a year by rupture of chemical links (hydrolytic action).
Tensile Strength	: Excellent tensile strength, Excellent knot tying, Minimum tissue reaction
USP Range	: 10/0 – 2
Sterilization	: EO (Ethylene Oxide)
Needle Type	: Round bodied, cutting edge, taper point, straight, blunt point

CHARACTERISTICS

- ☑ High tensile strength, non absorbable
- ☑ Synthetic
- ☑ Monofilament with microscopic uniform diameter
- ☑ Pliability and softness
- ☑ Hermetically sealed packing





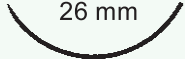
BENEFITS

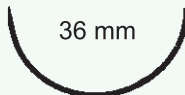

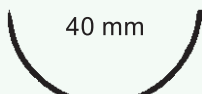
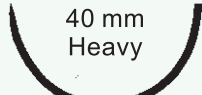
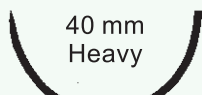
- Excellent and permanent tissue support
- Minimal tissue reaction
- Soft passage through the tissues without sawing, tissue drag and trauma. Absence of capillarity (no support of bacterial growth)
- Excellent knot tie down
- Good handling properties
- Easy and secure knotting
- Guaranteed seal and product sterility

INDICATIONS






General soft tissue closing and/or ligation
Blue :- especially in Skin closure, General surgery, Plastic surgery, Gastrointestinal surgery, Gynaecology
Obstetrics, Orthopaedics
Black :- especially in Plastic surgery, Ophthalmic surgery

Synthetic Non Absorbable Surgical Suture

NEEDLE LENGTH	NEEDLE DESCRIPTION	SUTURE LENGTH	SUTURE SIZE IN USP					
			10-0	6-0(0.7)	5-0(1)	4-0(1.5)	3-0(2)	2-0(3)
 Double needle	3/8 Circle spatulated micro point	38 cm	OS 3719					
	3/8 Circle Reverse Cutting	70 cm		OS 3320				
	3/8 Circle Reverse Cutting	70 cm			OS 3317			
	3/8 Circle Cutting	35 cm			OS 3315			
		70 cm				OS 3318	OS 3321	
	3/8 Circle Reverse Cutting	100 cm					OS 3328	OS 3329
		45 cm					OS 3328S	OS 3329S

NEEDLE LENGTH	NEEDLE DESCRIPTION	SUTURE LENGTH	SUTURE SIZE IN USP		
			2-0(3)	1-0(3.5)	1(4)
	3/8 Circle Cutting	100 cm	OS 3236	OS 3239	
	1/2 Circle Reverse cutting	100 cm		OS 3337	
		45 cm		OS 3337S	
	1/2 Circle Round Bodied	150 cm (Loop)		OS 3340	
	1/2 Circle Reverse cutting	100 cm		OS 3339	
	1/2 Circle Round Bodied	100 cm		OS 3346	OS 3347

Synthetic Non Absorbable Surgical Suture

NEEDLE LENGTH	NEEDLE DESCRIPTION	SUTURE LENGTH	SUTURE SIZE IN USP		
			2-0(3)	1-0(3.5)	1(4)
 45 mm	3/8 Circle Reverse Cutting	45 cm	OS 3336S		
		100 cm	OS 3336	OS 3335	OS 3334
 45 mm Heavy	1/2 Circle Reverse Cutting	100 cm			OS 3338
 50 mm Heavy	1/2 Circle Round Bodied	150 cm (Loop)			OS 3348
 60 mm	Straight Cutting	70 cm	OS 3390	OS 3389	
 90 mm	3/8 Circle Cutting	100 cm			OS 3397

PRE-CUT SUTURES

SUTURE LENGTH	PACKAGING	SUTURE SIZE IN USP		
		2-0(3)	1-0(3.5)	1(4)
5 x 35 cm	Sterilised Monofilament in sterilised foil over wrap. 5 x 35 cm box of 12's pack	OS 703	OS 704	OS 705
2 x 76 cm	Sterilised Monofilament in sterilised foil over wrap. 2 x 76 cm box of 12's pack	OS 903	OS 904	OS 905

ORION SUTURES DOMESTIC BOX PACKING



ORION SUTURES EXPORT BOX PACKING



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