



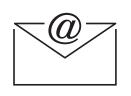


Suture material and special products

B. Braun Veterinary Surgery







The catalog only shows an excerpt from our full wound management portfolio. If you are interested in further products, please do not hesitate to contact us. E-mail: info@bbraun-vetcare.com



The "Suture materials and special products" brochure is an excerpt from our full catalog.



Order complete catalog – Vet Care www.bbraun-vetcare.com/ordercompletecatalog



Website: www.bbraun-vetcare.com/woundtherapy

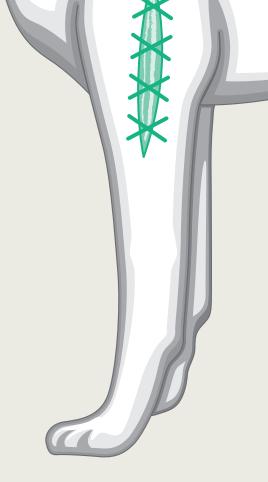
Suture materials and special products

Suture materials

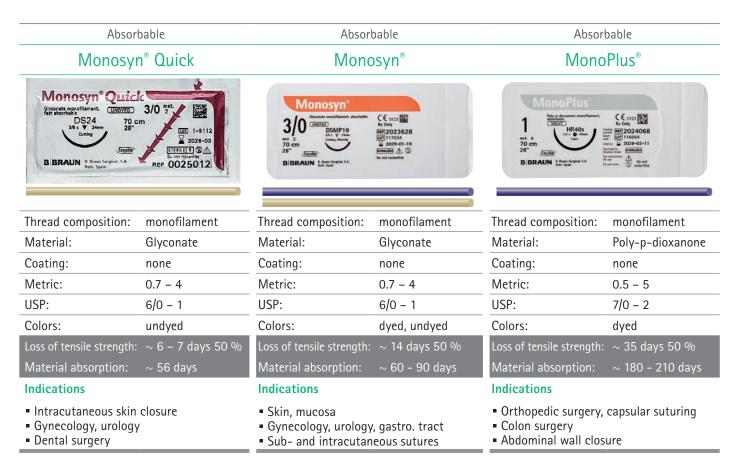
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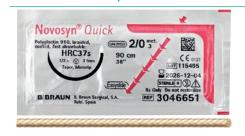
Special products



Overview of suture materials



Absorbable
Novosyn [®] Quick



Thread composition:	braided
Material:	Polyglactin 910
Coating:	Polyglactin 370 + calcium stearate
Metric:	0.7 - 4
USP:	6/0 - 2
Colors:	undyed
Loss of tensile strength:	\sim 5 days 50%
Material absorption:	\sim 42 days
Indications	

- Intracutaneous skin closure
- Dental surgery

Novosyn®

Absorbable



Thread composition:	braided
Material:	Poly(glycolide-co-l-lactide 90/10)
Coating:	Poly(glycolide-co-l-lactide 35/65) Calcium stearate
Metric:	0.2 – 5
USP:	8/0 – 2
Colors:	dyed
Loss of tensile strength:	~ 21 days 50 %
Material absorption:	\sim 56 - 70 days
1.10.00	

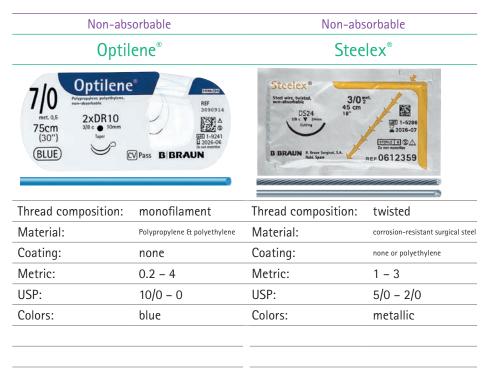
Indications

- Ligatures
- Ophthalmology
- Gynecology, urology, abdominal wall closure

Information: Resorption times may vary from case to case. Evidence is available upon request.

Non-abs	sorbable	Non-abs	sorbable	Non-absorbable				
Dafi	lon®	Supra	amid®	PremiCron®				
Dafilon Polyanide userial mon-vise bit Dis of 100 Site of 100 Site of 100 Site of 100 Site of 100 Site of 100 Bit Braun Bit Braun Bit Braun	3/0 2* m 2026-11 5 or entertails REF 0936243		2/0 %*. 0 m 0 m 0 1-6513 2 2026-12 0 m 0 m 0 m 0 m 0 1-6513 2 2026-12 0 m 0 m 0 m 0 m 0 m 0 m 0 m 0 m		2026-07			
Thread composition:	monofilament	Thread composition:	pseudomonofilament	Thread composition:	braided			
Material:	Polyamide 6.6	Material:	Polyamide 6.6	Material:	Polyester			
Coating:	none	Coating:	none	Coating:	Silicone			
Metric:	0.1 – 4	Metric:	0.7 – 5	Metric:	0.7 – 7			
JSP:	11/0 – 1	USP:	6/0 – 3	USP:	6/0 – 5			
Colors:	blue, black	Colors:	black, white	Colors:	green, white			
Indications		Indications		Indications				
Skin closure		Skin closure		 Skin closure Vascular surgery 				

Vascular surgery



Indications

- Hernias and vessel surgery
- Tendons and capsular suturing
- Skin closure

Indications

- Orthopedic surgery
- Tendons, ligaments
- Sternal sutures



Tissue-specific application recommendations – thread diameter

Dogs			ι	JSP metri	с		
	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5
Skin		~	~	~			
Subcutis		~	~				
Mucosa	✓	~	~				
Small intestine, colon	✓	~	~				
Bladder (infected)	✓	~					
Ureter/urethra	~	~					
Uterus		~	~	~			
Parenchymal organs		~	~	~			
Ligature			~	~	~		
Muscles			~	~	~		
Abdominal wall/linea alba			~	~	~	~	
Hernias			~	~			
Fascias			~	~	~	~	
Tendons, ligaments				~	~	~	
Joint capsule			~	~	~		
Blood vessels	~	~	~	~			
Dental	~	~	~	~			
Edge of eye lid	✓	~					

 \checkmark



Cats	USP metric								
	5/0 1	4/0 1.5	3/0 2	2/0 3	0 3.5	1 4	2 5		
Skin		~							
Subcutis		~	~						
Mucosa	✓	~							
Small intestine, colon	✓	~							
Bladder (infected)	✓	~							
Ureter/urethra	~								
Uterus		~	~						
Parenchymal organs		~	~						
Ligature			~	~					
Muscles			~	~					
Abdominal wall/linea alba			~	~					
Hernias			~	~					
Fascias			~	~					
Tendons, ligaments			~	~					
Joint capsule			~						
Blood vessels	~								
Dental	~	~	~						
Edge of eye lid	✓	~							

Tissue-specific application recommendations

		Absorbable			
	Monosyn [®] Quick	Monosyn®	Novosyn [®] Quick	Novosyn®	MonoPlus®
	monofilament glyconate	monofilament glyconate	braided polyglactin 910 coated	braided poly(glycolide-co- l-lactide 90/10) coated	monofilament poly- p-dioxanone
Absorbable 50 % loss of tensile strength	Short-term ~ 6 – 7 days	Mid−term ~ 14 days	Short-term \sim 5 days	Mid-term \sim 21 days	Long-term \sim 35 days
Skin	+	++	+	+	++
Subcutis	+	++	+	++	+
Mucosa	++	++	++	+	+
Small intestine	+	++	-	-	++
Colon	-	++	-	+	++
Bladder (infected)	+	++	-	-	++
Ureter/urethra	+	++	-	-	++
Uterus	++	++	-	+	+
Parenchymal organs	-	++	-	+	+
Ligature	-	++	-	++	+
Muscles	-	++	-	++	++
Abdominal wall/linea alba	-	+	-	+	++
Hernias	-	-	-	-	+
Fascias	-	+	-	-	++
Tendons, ligaments	-	-	-	-	++
Joint capsule	-	_	-	+	++
Blood vessels	-	-	-	-	++
Dental	++	++	++	+	+
Edge of eye lid	-	++	+	+	+
Eye	-	-	-	++	-

Material of choice

	Non	-absorbable		
	Dafilon®	Supramid®	PremiCron®	Optilene®
	monofilament Polyamide 6/6.6	pseudo- monofilament Polyamide 6/6.6	braided Polyester coated	polypropylene polyethylene
Skin	++	++	+	++
Subcutis	-	_	_	_
Mucosa	+	+	+	+
Small intestine	-	-	-	-
Colon	-	-	-	-
Bladder (infected)	-	-	-	-
Ureter/urethra	-	-	-	-
Uterus	-	-	-	-
Parenchymal organs	-	-	-	-
Ligature	+	+	+	+
Muscles	-	-	-	-
Abdominal wall/linea alba	+	+	+	+
Hernias	+	+	+	++
Fascias	+	+	+	++
Tendons, ligaments	+	+	+	++
Joint capsule	+	+	+	++
Blood vessels	+	-	+	++
Dental	+	+	+	++
Edge of eye lid	++	-	_	++
Eye	++	-	+	++

Material of choice

Pharmacopoeia

Strength classification for surgical suture material

METRIC	Thread diameter (mm)
0.01	0.001-0.009
0.1	0.010-0.019
0.2	0.020-0.029
0.3	0.030-0.039
0.4	0.040-0.049
0.5	0.050-0.069
0.7	0.070-0.099
1	0.100-0.149
1.5	0.150-0.199
2	0.200-0.249
2.5	0.250-0.299
3	0.300-0.349
3.5	0.350-0.399
4	0.400-0.499
5	0.500-0.599
6	0.600-0.699
7	0.700-0.799
	0.01 0.1 0.2 0.3 0.4 0.5 0.7 1 1.5 2 2.5 3 3.5 4 5 6

USP – United States Pharmacopoeia

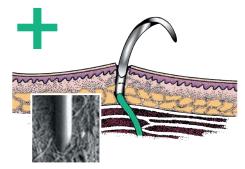
In the classification of the United States Pharmacopoeia, the classifications are randomly made and are not directly related to the thread diameter.

Metric – European Pharmacopoeia

In the strength specification of the European Pharmacopoeia, the filament diameters are given in 1/10 mm. Thus, a 1 metric thread is 0.1 mm thick.

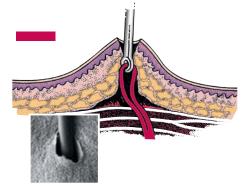
The description allows precise conclusions to be drawn about the filament diameter.

In the market, the historically developed USP thickness specifications have become established worldwide. For this reason, the USP value is highlighted in the packaging marking. However, the metric value is still indicated.



Atraumatic needle-thread combinations*

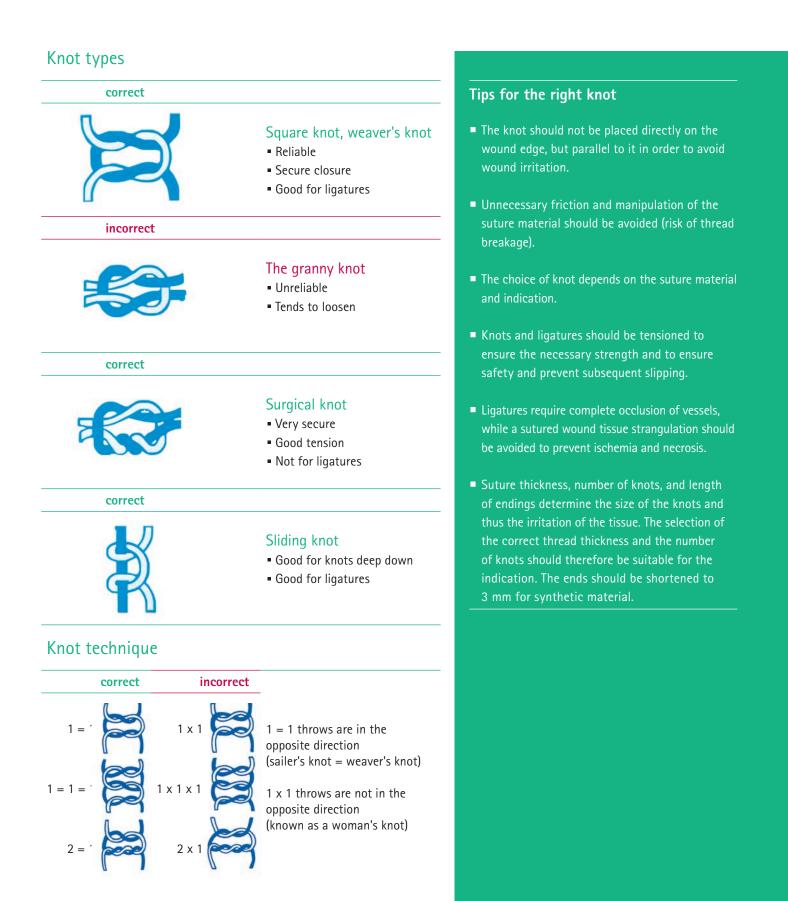
- Minimal wound trauma
- Secure union of needle and thread
- Smooth transition between needle and thread
- Always new, sterile and sharp needles
- No time-consuming threading
- Needle and thread diameter determined according to the indication



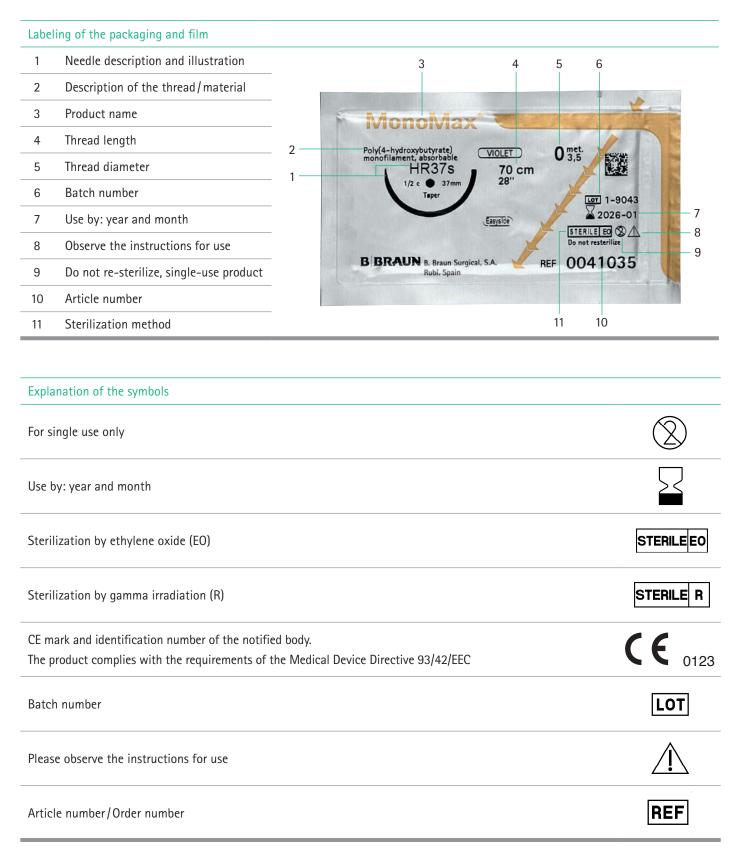
Spring eye needles - Traumatic*

- Wound trauma through doubling of the thread
- Damage to the thread caused by catching in the spring eye
- No secure fit of the thread in the needle eye
- Time-consuming threading of the thread in the normal eye

Knot types and techniques



Suture material packaging



Handling steps



Tear-off opening system, indicated by colored arrows

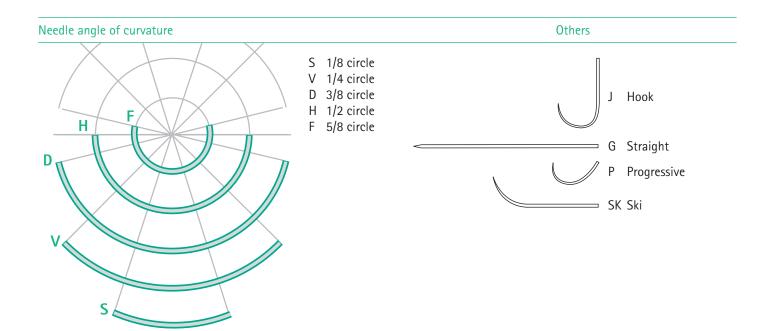


Quick and direct gripping of the needle





Needles for veterinary surgery



А		В		С		12	D			
Ne	edle curvature	Ne	edle body	Nee	edle tip	Needle length	Fu	rther information		
S	1/8 circle	G	Trapezoidal micro engraved body	т	Trocar tip	The numbers indicate the distance in mm		Thin-bodied needle		
V	1/4 circle	R	Round body	Ν	Blunt tip	between the needle	ff	Extra-thin-bodied needle		
D	3/8 circle	S	Cutting	S	Cutting tip	tip and needle end,	s	Strong needle body		
Н	1/2 circle	L	Lancet	С	Short, cutting tip	measured on the external curve of the external curve of the needle. b BI TO Ta W needle.				Very strong needle body
F	5/8 circle			Μ	Micro-point			Break-off needle		
G	Straight			MP	Microtip / Precision			Black needle		
Р	Progressive / Asymptotic			m	Micro-needle			Take-Off removable needle. With a straight tug of the needle holder, the needle can be removed from the suture fiber		
J SK	Hook Ski			mV	Micro vascular					



Easyslide 300 Quality Steel



B Easyblack black, glare-free needles

Dermaslide

Dermaslide® Needle especially for skin closure



CV-Pass needles for cardiovascular surgery



CV-Pass easyblack black, glare-free needles for cardiovascular surgery

Example:

HRT 37s = 1/2 circle roundbodied needle with trocar tip, length 37 mm, strong needle body

Cutaneous needles: The three-edged external cutting body of the needle is ideal for suturing tough tissue. The three edges run along the entire needle length and provide optimum piercing capability alongside a reliable, cosmetic result. **Cutting needles with microtips** DSMP / DGMP New The cutting tip of this slimline precision needle is hand-cut and, with minimal trauma, allows very good tissue penetration, fine sutures in tough tissue and good cosmetic results. **Round-bodied needles** The round body of the needle tapers into a fine, sharp needle tip. The body flattens out in the middle section of the needle, which ensures a secure fit in the needle holder. Round-bodied needles only pierce the tissue, they do not cut it, so they are highly suitable for suturing soft tissue. Round-bodied needle with trocar tip The round-bodied needle has a four-sided cutting tip. This allows tough tissue Æ to be easily pierced with minimal trauma.

Round-bodied needle with short, cutting tip

The specially shaped round-bodied needle with short cut tip makes tough tissue easier to pierce. The specialist needle for fine anastomoses and difficult tissue conditions.



Lancet (spatula) needles

Needle overview

Cutting needles

The lancet needle is a variant of the spatula needle. Its special needle tip is designed to pass through ophthalmic structures without damaging the upper and lower layer of stroma.



DS HS

HR GR

DRT HRT

HRC DRC

DLM

Monosyn[®] Quick

Absorbable suture material



Monosyn[®] Quick

- \sim 6–7 days absorption time
- Easy handling
- Quick absorption
- High knot pull tensile strength
- Good flexibility and elongation

Structure:	Monofilament, uncoated
Chemical composition:	Glyconate
Diameter:	USP 6/0 – USP 1
Color:	undyed
Absorption time:	\sim 6 – 7 days
Knot tensile strength retention:	~ 6 - 7 days p. i. 50%
Mass absorption:	~ 56 days

Indications

- Intracutaneous skin closure
- Gynecology, urology
- Dental surgery

Needle Threa							USP (r	netric)			
Angle	Length	Diameter	Length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	mm	microns	Color	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)

HR 13	45 undyed	C0025194	C0025195				
HR 17	70 undyed	C0025051	C0025052	C0025053			
HR 22	70 undyed		C0025245	C0025246			
HR 26	70 undyed		C0025057	C0025058	C0025059		



Needle			Thread				USP (r	netric)	1		
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle ro	und-bodied needl	e, trocar tip									
Easyslide	HRT 17		70 undyed		C0025152						
3/8 circle cu	itting needle					1	1		1		1
Easyslide	DS 12		45 undyed		C0025135						
Easyslide	DS 19		70 undyed			C0025007	C0025008				
Easyslide	DS 24	,	70 undyed			C0025011	C0025012	C0025013			
	itting needle, prec	cision tip		1	1	1	I	1	1	1	1
Easyslide	DSMP 13		45 undyed	C0025023	C0025024						
Easyslide	DSMP 16		45 undyed		C0025028	C0025029					
	DSMP 19		45 undyed		C0025031						
Easyslide			70 undyed			C0025036	C0025037				

Monosyn®

Absorbable suture material



Structure:	Monofilament, uncoated
Chemical composition:	Glyconate
Diameter:	USP 7/0 – USP 2
Color:	undyed, dyed
Absorption time:	\sim 14 days
Knot tensile strength retention:	~ 14 days p. i. 50%
Mass absorption:	~ 60 - 90 days

Monosyn®

- \sim 14 days absorption time
- Wide indication field
- High knot pull tensile strength
- For universal use in soft tissue surgery and intracutaneous sutures. Monosyn[®] is comparable to a braided suture in upper-GI tract and small bowel anastomosis.
- Wide range of needle-thread combinations

Indications

- Gynecology, urology, gastro. tract
- Skin, mucosa
- Sub- and intracutaneous sutures

Needle Thread USP						USP (r	netric)				
Angle	Length	Diameter	Length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	mm	microns	Color	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)

1/2 circle round-bodied needle

HR 17	70 violet	C2022003 G2022003	C2022004 G2022004				
HR 22	70 violet		C2022014 G2022014	C2022015 G2022015	C2022016		
Easyslide	70 violet		C2022024	C2022025 G2022025	C2022026 G2022026	C2022027	
HR 26s	70 violet			C0022085	C2022086	C0022087	



Needle			Thread			I	USP (r	netric)			
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle ro	ound-bodied ne	eedle	· · · · ·			1	1			1	
Easyslide	HR 30	J	70 violet				C2022035	C0022036	C2022037		
Easyslide	HR 37	J	70 violet					C2022046 G2022046	C2022047	C2022048	
1/2 circle cu	utting needle										
Easyslide	HS 26)	70 violet				C2022236	C2022237			
Easyslide	HS 26s)	70 violet					C2022242	C2022243		
Easyslide	HS 37s	J	70 violet					C2022247	C2022248	C2022249	

Monosyn®

Absorbable suture material

Needle			Thread			1	USP (r	netric)			
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle r	ound-bodied ne	edle, short cutti	ng tip								
Easyslide	DRC 12		70 violet	C0022392	C0022403						
Easyslide	DRC 22	/	70 violet			C2022354	C2022355				
	ound-bodied ne	edle, trocar tip									
Easyslide	HRT 17		70 violet		C0022323 G0022323	C0022324					
Easyslide	HRT 26)	70 violet				C2022305	C2022306			
3/8 circle r	ound-bodied ne	edle, trocar tip									
Easyslide	DRT 18	,	70 violet		C0022343						
Easyslide	DRT 26	/	70 violet					C2022366			



Needle			Thread				USP (r	netric)			
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle c	utting needle						I			I	
Easyslide	DS 16	,	45 violet		C2022419						
Easyslide	DS 19	/	70 violet			C2022204 G2022204	C2022205 G2022205				
Easyslide	DS 24	/	70 violet			C2022214	C2022215 G2022215	C2022216 G2022216	C2022217 G2022217		
Easyslide	DS 30	/	70 violet						C2022232	C2022233	
3/8 circle c	utting needle,	precision tip									
Easyslide	DSMP 13	1	45 undyed	C0023602	C2023603						
Pre Cuts											
3 threads o	f 45 cm		3 x 45 violet		C0020005	C0020006 G0020006	C0020007				

MonoPlus®

Absorbable suture material



MonoPlus®

- ~ 35 days absorption time
- Degradation profile designed where extended wound support is desirable
- Wide range of needle-thread combinations
- Good knot pull tensile strength retention

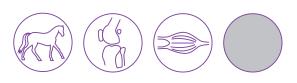
Structure:	Monofilament, uncoated
Chemical composition:	Poly-p-dioxanone
Diameter:	USP 7/0 – USP 2
Color:	violet
Absorption time:	\sim 35 days
Knot tensile strength retention:	~ 35 days p. i. 50%
Mass absorption:	\sim 180 - 210 days

Indications

- Orthopedic surgery, capsular suturing
- Colon surgery
- Abdominal wall closure

Needle			Thread				USP (r	netric)			
Angle	Length	Diameter	Length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	mm	microns	Color	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)

HR 13ss 70 C0024205 C0024206 C0024207 violet Easyslide HR 17 70 C0024013 C0024014 C0024015 violet Easyslide G HR 17s 70 C0024131 violet Easyslide HR 22 70 C2024135 C2024134 C0024136 G2024135 violet Easyslide HR 26 C2024027 70 C2024026 C2024025 G2024026 G2024027 violet Easyslide



Needle			Thread			I	USP (r	netric)			
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle rou	nd-bodied need	dle				1	1		1		
Easyslide	HR 26s	/	70 violet				C0024085	C2024086	C2024087		
Easyslide	HR 30)	70 violet					C2024036	C2024037	C0024038	
Easyslide	HR 37s	ノ	70 violet						C2024057	C2024058 G0024058	
	HR 76	Ĵ	150 violet							B0024098	
Easyslide	nd-bodied need	Loop dle, trocar tip									
Easyslide	HRT 17		70 violet		C0024283	C0024284					
Easyslide	HRT 22	1	70 violet			C0024294	C0024295				
	HRT 37	1	70 violet					C0024316			
Easyslide	\smile		90 violet						C0024517	C0024518	
1/2 circle cut			, , , , , , , , , , , , , , , , , , , ,		1	1	1	1			
Easyslide	HS 26s	/	70 violet				C0024185	C2024186	C2024187		
3/8 circle cut	ting needle		· ·							· ·	
Easyslide	DS 24	/	70 violet				C2024520 G2024520	C2024990			

Novosyn[®] Quick

Absorbable suture material



Novosyn[®] Quick

- High suture tensile strength
- Optimal handling in terms of smooth surface and pliability
- Good flexibility performance

Thread composition:	braided
Material:	Polyglactin 910
Coating:	Polyglactin 370 + calcium stearate
Metric:	0.7 - 4
USP:	6/0 - 2
Color:	undyed
Loss of tensile strength:	~ 5 days 50%
Material absorption:	\sim 42 days

Indications

- Intracutaneous skin closure
- Dental surgery

Needle Thre				d USP (metric)							
Angle	Length	Diameter	Length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	mm	microns	Color	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)

1/2 circle round-bodied needle

HR 17	70 undyed	C3046012	C3046013			
HR 22	70 undyed		C3046029			



Needle			Thread				USP (r	netric)			
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
3/8 circle cu	utting needle										
Easyslide	DS 16		70 undyed		C3046212	C3046213	C3046421				
Easyslide	DS 24	/	70 undyed				C3046235	C3046236			

Novosyn®

Absorbable suture material



Novosyn®

- \sim 21 days absorption time
- Improved knot pull tensile strength
- Good flexibility performance

Structure:	Polyfilament braided, coated
Chemical composition:	Poly(glycolide-co-l- lactide 90/10)
Coating:	Poly(glycolide-co-l- lactide 35/65) + CaSt
Diameter:	USP 8/0 – USP 2
Color:	violet
Absorption time:	~ 21 days
Knot tensile strength retention:	~ 21 days p. i. 50%
Mass absorption:	~ 56 - 70 days

Indications

- Ligatures
- Ophthalmology
- Gynecology, urology, abdominal wall closure

Needle	Needle				USP (metric)							
Angle	Length	Diameter	Length cm	4/0	3/0	2/0	0	1	2	3	4	
	mm	microns	Color	(1.5)	(2)	(3)	(3.5)	(4)	(5)	(6)	(6)	

1/2 circle round-bodied needle

.,								
HR 30	/	70 violet		C0068047N1	C0068048N1	C0068049		
HR 65	J	240 violet					B0068930	
1/2 circle round-bodied need	lle, short cutting	y tip			1			
HRC 26 ♡	/	70 violet		C0068335	C0068336	C0068343		

Easyslide

Needle			Thread				USP (I	metric)			
Angle	Length mm	Diameter microns	Length cm Color	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
PRE CUTS					1	1	1	1	1	I	1
2 threads of 7	70 cm		2 x 70 violet			C0058406	C0058407	C0058409			
1/2 circle rou	und-bodied nee	dle				1		1			1
Easyslide	HR 17		70 violet					C0068013			
Easyslide	HR 22	/	70 violet					C0068029N1	C0068030N1	C0068031N1	
Easyslide	HR 26	/	70 violet						C0068041N1 G0068041N1	C0068042N1 G0068042N1	C0068043N1
Angle	Length mm	Diameter microns	Length cm Color	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
1/2 circle rou	und-bodied nee	dle									
Easyslide	HR 37s	ノ	70 violet					C0068096N1	C0068097N1	C0068098	
1/2 circle cut	tting needle										
Easyslide	HS 15		45 violet		C0068204						
Easyslide	HS 26s	/	70 violet				C0068290	C0068291			
Easyslide	HS 37s	ノ	70 violet				C0068298	C0068296N1	C0068297		
Easyslide	HS 48	J	90 violet							B0068463	



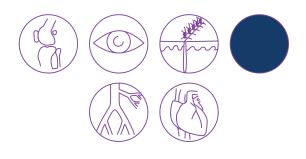


Absorbable suture material

Needle			Thread				USP (n	netric)			
Angle	Length mm	Diameter microns	Length cm Color	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
3/8 circle cu	tting needle										
Easyslide	DS 19		70 violet		C0068420 G0068420	C0068421N1					
Easyslide	DS 24	/	70 violet			C0068235N1 G0068235N1	C0068236N1 G0068236N1	C0068237 G0068237			
Easyslide	DS 30	/	70 violet				C0068247N1	C0068248	C0068249		
Angle	Length mm	Diameter microns	Length cm Color	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)
1/4 circle lar	ncet needle, micr	o tip		1	1	1	1				
Easyslide	2xVLM 8		45 violet				G0068735				
	und-bodied need	le, micro tip		1	I	1	1		<u> </u>		
	DRm 6		35 violet	G0068146							
3/8 circle la	ncet needle, micr	o tip									
	DLm 6		15 violet	G0068615							
	DLm 6s		30 violet		G0068621						
	2xDLm 6s		45 violet		G0068711						

Optilene[®]

Non-absorbable suture material





Optilene[®]

- Soft and smooth
- Outstanding elasticity and elongation properties
- Controlled knot run-down
- Proven reliable tensile strength

Structure:	Monofilament, uncoated
Chemical composition:	Polypropylene/ Polyethylene
Diameter:	USP 10/0 – USP 2
Color:	blue
Knot tensile strength retention:	non-absorbable
Color: Knot tensile	blue

Indications

- Hernias and vessel surgery
- Tendons and capsular suturing
- Skin closure

Needle			Thread	USP (metric)								
Angle	Length	Diameter	Length cm	8/0	7/0	6/0	5/0	4/0	3/0	2/0	0	
	mm	microns	Color	(0.4)	(0.5)	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	

1/	2	circl	le ro	ound	l-b	odi	ed	need	le

HR 26	75 blue					C3090040	C3090041	C3090042	C3090043
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3/8 circle cutting needle

Easyslide	DS 12	ß	45 blue		C3090206	C3090207	C3090208			
Easyslide	DS 19	ß	75 blue				C3090520	C3090521		
Easyslide	DS 24	P	75 blue				C3090234	C3090235	C3090236	
Easyslide	DS 30	ß	75 blue						C3090247	C3090248

Dafilon®

Non-absorbable suture material



Dafilon®

- Soft and smooth
- Smooth tissue passage

lonofilament, ncoated
olyamide (Nylon)
SP 11/0 – USP 5
lue, black
on absorbable

Indications

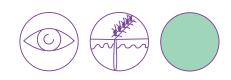
- Skin closure
- Fixation of drains/catheters
- Ophthalmology

Needle	Thread USP (metric)										
Angle	Length	Diameter	Length cm	6/0	5/0	4/0	3/0	2/0	0	1	2
	mm	microns	Color	(0.7)	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)

3/8 circle cutting needle

DS 19	75 blue	C0935190	C0933244	C0933252				
DS 24	75 blue		C0933384	C0933392	C0933406			
DS 30	75 blue			C0935468	C0935476	C0935484	C0935492	
DS 39	90 blue							B0934579

G = 12 pack



Needle			Thread				USP (r	netric)			
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Straight cut	ting needle						1				
	GS 51 ▼		90 blue					C0935611		C0935573	
	GS 60 ▼		75 blue				C0932655	C0932663			
3/8 circle cu	itting needle, pre	ecision tip									
Easyslide	DSMP 11		45 blue	C0936022							
	DSMP 24	/	75 blue				C0936812	C0936820			
Angle	Length mm	Diameter microns	Length cm Color	10/0 (0.2)	9/0 (0.3)	8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)
3/8 circle la	ncet needle, mici	ro tip									
	DLm 6		15 black	G1118722							

Supramid®

Non-absorbable suture material



Supramid[®]

Indications

- High tensile strength
- Soft and smooth
- Good handling properties

Skin Pseudomonofila-Structure: ment uncoated Chemical Polyamide 6.6 composition: Polyamide 6.6 Coating: USP 2 – USP 6/0 Diameter: Color: black, white Knot tensile non-absorbable strength retention: Mass absorption: 2 – 4 years

Needle			Thread		USP (r	netric)					
Angle	Length mm	Diameter microns	Length cm Color	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
1/2 circle cut	ting needle										
	HS 21		45 black		C0712248	C0712256	C0712264				
[V] Pass	HS 26	ļ	75 black				C0712418	C0712426	C0712434		
3/8 circle cut	ting needle		1		1	1	1	1	1		1

DS 16	45 black	C0712124	C0712132			



Needle			Thread USP (metric)										
Angle	Length mm	Diameter microns	Length cm Color	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)		
3/8 circle cut	tting needle												
	DS 19		45 black			C0712213							
Easyslide			75 black		C0714208	C0714216 G0714216							
	DS 24	/	45 black				C0712361						
			75 black			C0714356	C0714364						
	DS 30		45 white				C0712477		C0712493				
Easyslide			75 white					C0694487					
	DS 39		75 black				C0712558	C0712566	C0712574				

PremiCron®

Non-absorbable suture material





PremiCron®

- Reliable knotting
- Good handling

Polyfilament

Structure:	Polyfilament braided coated
Chemical composition:	Polyester
Coating:	Silicone
Diameter:	USP 5 – USP 6/0
Color:	green, white
Knot tensile strength retention:	non-absorbable

Indications

- Cardiological surgery
- Hernias
- Orthopedic surgery

Needle			Thread				USP (I	metric)			
Angle	Length	Diameter	Length cm	5/0	4/0	3/0	2/0	0	1	2	3
	mm	microns	Color	(1)	(1.5)	(2)	(3)	(3.5)	(4)	(5)	(6)

3/8 circle cutting needle

DS 19	45 green		C0026553					
Easyslide	75 green	C0026231						
DS 30	75 green			C0026531	C0026532			
DS 39	75 green						C0026332	
1/2 circle cutting needle								
HS 37s	75 green					C0026468		

Easyslide



Non-absorbable suture material





Steelex[®]

- Proven strength
- High conductive flexible twisted steel wire

	8
Structure:	Polyfilament twisted
Chemical composition:	corrosion-resistant surgical steel
Diameter:	USP 2/0 – USP 5/0
Color:	metallic
Knot tensile strength retention:	non-absorbable

Indications

- Orthopedic surgery
- Tendons
- Ligaments
- Sternal sutures
- Skin

Needle			Thread				USP (r	netric)			
Angle	Length mm	Diameter microns	Length cm Color	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
3/8 circle cu	tting needle						1			1	
Easyslide	DS 19		45 metallic	G0612197							
Easyslide	DS 24	/	45 metallic		G0612340	G0612359					
Easyslide	HS 26	/	45 metallic			G0612413					
Easyslide	DS 30	/	45 metallic				G0612472				

B. Braun Sutures

Dermaslide[®] – DGMP

The new needle with micro-engraved body

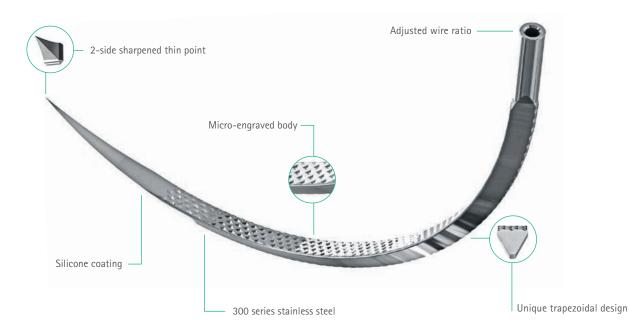
Advantages

- Glides impressively through tissue
- Continuous sharpness
- Outstanding stability in the needle holder
- Good cosmetic results

Available for:

- Optilene[®]
- Dafilon[®]
- Monosyn[®]
- Monosyn[®] Quick





Cassettes



Thread				USP (I	metric)			
Length cm Color	3 (6)	4 (6)	5 (7)	6 (8)	7 (9)	8 (10)	9 (11)	10 (12)
Supramid® 1 thread of 2500 cm white				F1184113				
	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)	4 (6)
MonoPlus [®] 1 thread of 2500 cm violet						F0024275		
Supramid® 1 thread of 10000 cm white		F1184040	F1184059					
Supramid® 1 thread of 7500 cm white				F1184067	F1184075			
Supramid® 1 thread of 5000 cm white							F1184091	

Shelf rack and shelf base

Accessories



Description	Size	Art. no.
Shelf rack	481 x 140.9 x 71.5 mm	1091255
Each shelf rack can take up to 4 suture boxes.		



Description	Art. no.
Shelf base	1091247
The shelf base can carry up to 10 shelf racks. It can be fixed to the wall.	

Histoacryl[®] | Histoacryl[®] Flexible



Histoacryl®

Tissue adhesive consisting of monomeric n-butyl-2-cyanoacrylate

Indications

- Closure of skin for small surgical incisions
- Mesh fixation: Fixation of hernia meshes
- Sclerotherapy

Properties

- Easy and precise handling
- Effective microbial barrier
- Save time and costs
- Only one layer is needed
- Histoacryl[®] can be used for closing of endoscopic incisions
- Significantly less painful than suture materials

Description	Size / Content	Packaging unit	Art. no.
Histoacryl [®] blue	5 ampoules of 0.5 ml	5 units	1050052

Histoacryl[®] Flexible

Tissue adhesive consisting of n-butyl 2-cyanoacrylate and a softener

Indications

- Allows closure of incisions up to 25 cm

Properties

- Ease of use: Ready-to-use product
- Microbial barrier: Polymerized Histoacryl[®] Flexible adhesive films are an effective microbial barrier
- Good cosmetics: Histoacryl® Flexible yields good cosmetic results

Description	Size / Content	Packaging unit	Art. no.
Histoacryl [®] Flexible	5 ampoules of 0.5 ml	5 units	1051250P



Open the peel packag



Clean the wound Turn the tip of the ampoule to break it off









acryl[®] Hold the wound for approx 1 m

Optilene® Mesh

Mesh for universal use



Optilene® Mesh

Mesh for the repair of incisional and inguinal hernias

- Universally applicable
- Large pores
- Reduced weight
- Blue unfolding lines
- For all open techniques in incisional hernia surgery (onlay, sublay)
- For all open and laparoscopic techniques in inguinal hernia surgery (Lichtenstein, TEP, TAPP)

Material	Polypropylene
Structure	Monofilament
Basic weight	60 g/m ²
Pore size / thickness	1.5 mm / 0.53 mm
Indication	Inguinal hernia, incisional hernia
Contraindication	Optilene® Mesh must not be inserted into contaminated or infectious tissue.
Sterilization method	Ethylene oxide



Optilene® Mesh Elastic

Mesh for incisional hernias

- Elastic all around
- Lightweight
- Extra large pores
- Blue unfolding lines
- For all open techniques in incisional hernia surgery (onlay, sublay)
- For all open and laparoscopic techniques in inguinal hernia surgery (Lichtenstein, TEP, TAPP)

Material	Polypropylene
Structure	Monofilament
Basis weight	48 g/m ²
Pore size / thickness	3.6 x 2.8 mm / 0.55 mm
Indication	Inguinal hernia, incisional hernia
Contraindication	Optilene® Mesh Elastic must not be inserted into contaminated or infectious tissue.
Sterilization method	Ethylene oxide

Description	Size	Art. no.
Optilene [®] Mesh	5 x 10 cm	1065020UNI
Optilene® Mesh Elastic	10 x 15 cm	1964920UNI
Optilene® Mesh Elastic	7.5 x 15 cm	1964930UNI

Manipler[®] AZ 35 W

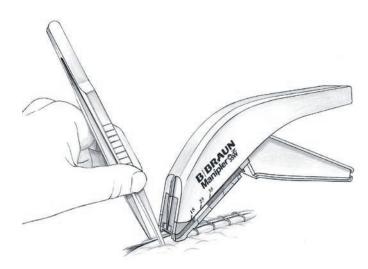
The fast alternative to sutures



Manipler[®] AZ 35 W

Single-use skin stapler with 35 wide staples. Staple closing size: width 6.9 mm, height 3.6 mm

- Well balanced weight and ergonomic design
- Slim grip
- Special angled head
- Flexible placement angle
- Alignment indicator









Description	Art. no.
Manipler® AZ 35 W	783100
Reusable skin stapler remover	783101

Special Products

Hemostasis



Lyostypt®

A wet-stable collagen hemostat. Collagen leads to thrombocyte adhesion and to activation of coagulation factor XII.

- Absorbable within \sim 3 4 weeks
- Fast and efficient hemostasis reduces blood loss and saves time
- High degree of absorption means less material is needed
- Good affinity to bleeding surfaces
- Can be used as a carrier material for antibiotics or coagulation agents

Indications

- Capillary bleeding
- Parenchymal bleeding

Description	Art. no.
Lyostypt® 3 x 5 cm	1069128



Bone wax - hemostat for bone bleeding

Sterile mixture of natural beeswax and vaseline

- Mechanical hemostasis in bones
- Haemostasis achieved by tamponade effect
- Achieves mechanical occlusion of intraosseous vessels
- Soft, easy to shape and apply "only hand-warm"

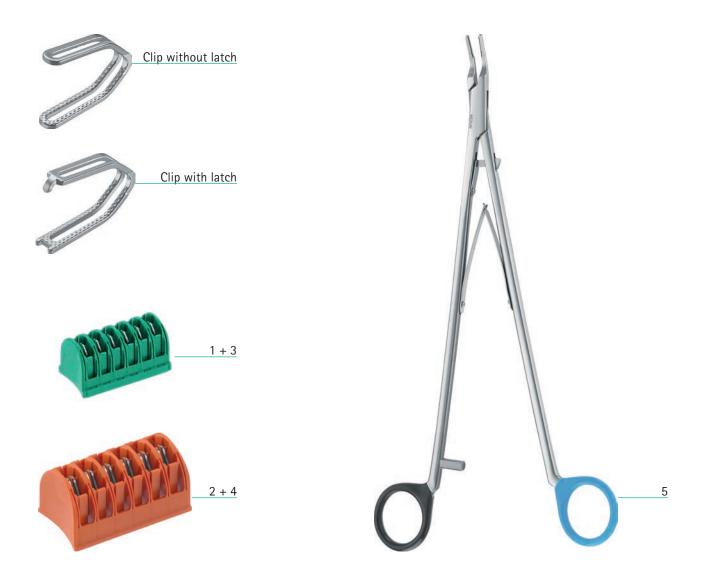
Indications

- Thoracic surgery (sternum & ribs)
- Dental, oral and jaw surgery
- Orthopedics and traumatology
- Neurosurgery (trepanation)

Description	Art. no.
Bonewax 24 x 2,5 g	1029754

AESCULAP[®] DS titanium ligation-clips and clip appliers

for open surgery



Description		No.	Art. no.
DS Titanium Ligation-Clip without latch	Medium-Large	1	PL462SU
DS Titanium Ligation-Clip without latch	Large	2	PL468SU
DS Titanium Ligation-Clip with latch	Medium-Large (z)	3	PL465SU
DS Titanium Ligation-Clip with latch	Large (z)	4	PL471SU
Clip appliers, 190 mm, 25°, for clip size Medium-Large		5	FC204R
Clip appliers, 190 mm, 25°, for clip size Large		5	FC214R

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