

PERMA SHARP™ SUTURES

**HIGH PERFORMANCE
PRECISE RESULTS**



Hu-Friedy is now a proud member of  **HuFriedyGroup**
The Best In Practice

PERMA
SHARP™
SUTURES
SEE THE
DIFFERENCE

C-1
10.7 mm
3/8 Circle Premium
Reverse Cut

C-3
13 mm
3/8 Circle Premium
Reverse Cut

C-6
18.7 mm
3/8 Circle Premium
Reverse Cut

C-9
23 mm
1/2 Circle
Reverse Cut



THE RIGHT NEEDLE HOLDERS

For a safe operation, choose the suitable needle holder for your Sutures.
Here is a choice of the most common needle-holders.

PARTCODE	DESCRIPTION	SUTURE SIZE								
		1-0	2-0	3-0	4-0	5-0	6-0	7-0	8-0	9-0
NH5038	Crile-Wood*			●	●	●	●			
NH5024SIM	Simion, round*			●	●					
NH5020M	Castroviejo, straight*					●	●	●		
NH5024R	Castroviejo, round*					●	●	●	●	
NHDPV	Micro Surgical, straight						●	●	●	
NHCW	Crile-Wood, grooved			●	●	●	●			
NH5024CORT	Cortellini Micro Castro, round					●	●	●	●	
NHLBPSE	Lichtenberg*			●	●	●				
NH5021M	Castroviejo, curved*					●	●	●		
NHCV	Castroviejo					●	●	●	●	
SPNHDPVN	Swiss Perio Microsurgical					●	●	●	●	●
NHM-5026R	Castroviejo, straight						●	●	●	●
NHMH	Mayo-Hegar, grooved	●	●	●	●					

*= Perma Sharp™ needle holders

THE MATERIALS

ABSORBABLE

PGA (DYED AND UNDYED)

This braided homopolymer of glycolic acid has good tensile strength and handling properties. Strength retention 17-21 days. PGA loses strength in 14-17 days and is absorbed in 90-120 days.

PGA FA (FAST ABSORPTION)

Developed for short-term closures, PGA FA is ideal for skin and mucosa closing that may benefit from fast suture absorption. PGA FA retains approximately 48% of its original tensile strength one-week post implantation and 0% by approximately 14-17 days. Absorption of PGA FA is essentially complete between 49-63 days. It is processed to absorb quickly with little tissue reaction.

NON-ABSORBABLE

SILK

Being the "classic" non-absorbable suture, braided silk has superior handling properties and visibility.

POLYESTER

Polyester sutures are made from polyethylene trephthalate polymers. Excellent tensile strength and less tissue reaction than braided silk.

POLYPROPYLENE

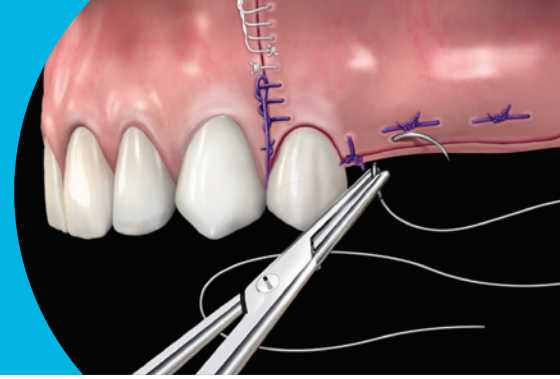
Monofilament material made from polypropylene polymers has excellent tissue compatibility. A good alternative to silk.

PTFE

PTFE Sutures are non-absorbable, synthetic and monofilament sutures which handle smoothly like a multifilament. They are white in color, so nice if used in aesthetic zones. Comfortable for the patient, they promote wound healing because unlike multifilament sutures, they do not absorb blood, saliva, bacteria or food residues.



THE SUTURE DESIGNED FOR DENTISTS

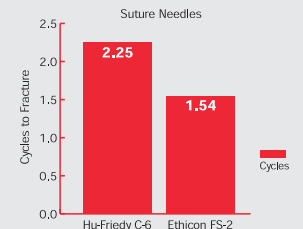


Perma Sharp™ Sutures are designed specifically for dental, ensuring efficient and reliable soft tissue closure.

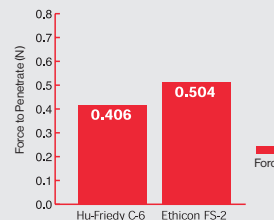
- **300 Series Stainless Steel**, the ideal alloy for dental suture needles, ensures a strong sharp needle pass after pass.
- Manufactured from **a stronger alloy composition, increasing ductile strength** – if the needle does bend, it is less likely to break when reshaping.
- **Finer point geometry for smooth tissue penetration**, requiring up to 20% less force than other suture needles²
- **Laser-drilled needles** for reduced tissue disruption



Perma Sharp™ Suture Needle Competitor's Suture Needle
(Magnified 35x)



CYCLES TO FRACTURE² – Suture Needles

















FORCE TO PENETRATE² – Suture Needles



Two Perma Sharp™ needles. Notice how the needle diameter is adjusted according to the size of the suture material.
(Magnified 20x)

Suture Material Chart

		NON-ABSORBABLE					ABSORBABLE		
NEEDLE	SUTURE SIZE	PTFE	SILK, BLACK BRAIDED	POLYESTER, GREEN BRAIDED	POLYPROPYLENE	BLACK MONOFILAMENT NYLON	PGA VIOLET-DYED BRAIDED ²	PGA-UNDYED BRAIDED ³	PGA FA UNDYED BRAIDED (FAST ABSORPTION) ⁴
PREMIUM CUT									
C-1  10.7 mm 3/8 Circle Premium Reverse Cut	3-0								
	4-0								
	5-0	PSNPTFE7						PSN490V	
	6-0	PSNPTFE10			PSN8697P			PSN489V	
	7-0				PSN8696P				
C-3  13 mm 3/8 Circle Premium Reverse Cut	3-0								
	4-0	PSNPTFE4	PSN641S					PSN494V	PSN510FA
	5-0	PSNPTFE8	PSN640S	PSNR698L	PSN8698P	PSN698N		PSN493V	PSN515FA
	6-0	PSNPTFE11			PSN8695P			PSN492V	
	7-0								
C-6  18.7 mm 3/8 Circle Premium Reverse Cut	3-0								
	4-0								PSN525FA
	5-0								PSN530FA ¹
	6-0								
	7-0								
REGULAR CUT									
C-6  18.7 mm 3/8 Circle Reverse Cut	3-0	PSNPTFE1	PSN7772S	PSNR7772L			PSN393V		PSN540FA
	4-0	PSNPTFE3	PSN683S	PSNR683L	PSN8683P	PSN662N	PSN392V ⁵	PSN422V ¹	PSN535FA
	5-0		PSN682S		PSN8661P	PSN661N		PSN421V ¹	
	6-0								
C-4  12.7 mm 1/2 Circle Reverse Cut	3-0								
	4-0								
	5-0				PSN8245P				
	6-0								
C-7  24.3 mm 3/8 Circle Reverse Cut	3-0		PSN684S						
	4-0								
	5-0								
	6-0								
C-9  23 mm 1/2 Circle Reverse Cut	2-0		PSN737S						
	3-0		PSN632S				PSN460V ¹		PSN585FA
	4-0		PSN631S						
	5-0								
	6-0								

		NON-ABSORBABLE						ABSORBABLE		
NEEDLE		SUTURE SIZE	PTFE	SILK, BLACK BRAIDED	POLYESTER, GREEN BRAIDED	POLYPROPYLENE	BLACK MONOFILAMENT NYLON	PGA VIOLET-DYED BRAIDED ³	PGA-UNDYED BRAIDED ³	PGA FA UNDYED BRAIDED (FAST ABSORPTION) ⁴
C-17  12 mm 3/8 Circle Reverse Cut		3-0								
		4-0	PSNPTFE5	PSN736S					PSN386V	
		5-0	PSNPTFE9	PSN719S		PSN8385P			PSN385V	
		6-0	PSNPTFE12			PSN8384P				
C-19  18.3 mm 1/2 Circle Reverse Cut		3-0		PSN733S						
		4-0		PSN734S					PSN724V	
		5-0							PSN723V	
		6-0								
C-22  16.2 mm 3/8 Circle Reverse Cut		3-0	PSNPTFE2							
		4-0	PSNPTFE6					PSN389V		
		5-0		PSN1628S		PSN8614P		PSN388V		
		6-0		PSN681S		PSN8660P		PSN387V		
C-43  16.2 mm 1/2 Circle Reverse Cut		3-0		PSN7762S						
		4-0		PSN7763S						
		5-0		PSN7764S						
		6-0								
D-14  17.5 mm 1/2 Circle Cutting End Taper		3-0		PSN953S ¹	PSN6953L ¹					
		4-0		PSN952S ¹				PSN271V ¹		
		5-0			PSN7773L	PSN7773P				
		6-0								
T-28  17.5 mm 1/2 Circle Taper Point		3-0		PSN872S ¹						
		4-0		PSN871S ¹				PSN304V ¹		
		5-0		PSN870S ¹		PSN8756P		PSN303V ¹		
		6-0						PSN302V ¹		
T-4  22.2 mm 1/2 Circle Taper Point		2-0								
		3-0		PSN7343S ¹						
		4-0		PSN7342S ¹						
		5-0								
		6-0								

Sutures are 18" in length unless otherwise noted.

¹ 27" in length

² Data on file. For more information, contact Karishma Gariepy, Hu-Friedy Mfg. Co., LLC, 3232 N. Rockwell St, Chicago, IL 60618.

³ PGA loses strength in 14-21 days and is absorbed in 50-90 days

⁴ PGA FA loses strength in 14-17 days and is absorbed in 49-63 days

⁵ Also available in 27" length (PSN397V)

⁶ Also available in 27" length (PSN821A)

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HuFriedyGroup is my preferred brand for all things surgical – a broad range of high-quality instruments supplemented by a corresponding extensive selection of excellent suture materials. All I need for the complete range of periodontal and implant surgeries!

Dr. Moritz Kebschull

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The new PTFE sutures, I mostly use them in GBR cases. They perfectly fulfill their mission: resistance, flexibility, tightness and no inflammation on the soft tissues!

Dr. Benjamin Cortasse

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FOR MORE INFORMATION VISIT
HuFriedy.eu/perma-sharp-sutures

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