Product portfolio

Nobel Biocare™

Regenerative solutions

YOU ARE WHAT WE STAND FOR.

nobelbiocare.com

creos™ was launched in

2014

creos™ xenoprotect
creos™ allo.gain
creos™ allo.protect

2016

creos™ xenogain
creos™ xenogain collagen

2017

creos™ wound dressings
(xenoplug, xenocote and xenotape)

2021

Cytoplast™ TXT-200
Cytoplast™ Ti-PTFE
creos™ allo.gain in a bowl

2023

Cytoplast™ RTM collagen
Cytoplast™ PTFE sutures and membranes
RESORBA® GLYCOLON™ sutures
Pro-fix™ precision fixation system
Master-Pin-Control (hybrid pin system)
Cytoplast™ RTM wound dressings
Cytoplast MicroDerm™

2024

RPM™ reinforced PTFE mesh

Regenerative solutions

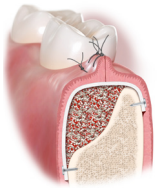
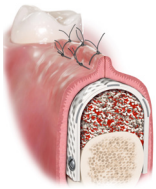
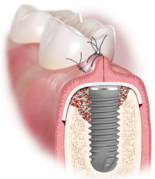
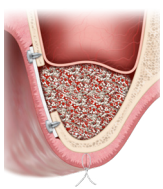
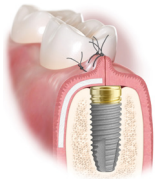
Nobel Biocare – your trusted regenerative partner for you and your patients

Indication-based product overview

See article lists (p. 30–39) for most commonly used product codes and for conversion to volume (cc).

Note See Instructions For Use for full prescribing information, including indications, contraindications, warnings and precautions. Volumes and sizes listed are to be used as approximations and may vary depending on the defect/patient.

			Ridge preservation	
			With primary closure	Without primary closure
 Bone grafts	Allogenic bone graft substitute	**creos allo.gain**		
		corticocancellous	0.25 – 1.0 cc	0.25 – 1.0 cc
		demineralized cortical	0.25 – 1.0 cc	0.25 – 1.0 cc
		mineralized cortical	0.25 – 1.0 cc	0.25 – 1.0 cc
		mineralized cancellous	0.25 – 1.0 cc	0.25 – 1.0 cc
		min./demin. cortical	0.25 – 1.0 cc	0.25 – 1.0 cc
		dbm putty	0.25 – 1.0 cc	0.25 – 1.0 cc
	Xenogenic bone graft substitute	**creos xenogain***	0.25 – 0.5 g	0.25 – 0.5 g
	creos xenogain + 10% porcine collagen type I	**creos xenogain collagen**	0.1 – 0.25 g	0.1 – 0.25 g
 Membranes	Resorbable, xenogenic collagen membrane	**creos xenoprotect**	15 x 20 mm	
	Resorbable, firm collagen membrane	**Cytoplast RTM collagen**	15 x 20 mm	
	Resorbable allogenic barrier membrane	**creos allo.protect**	10 x 10 mm 15 x 20 mm	
	Non-resorbable high-density PTFE membrane	**Cytoplast TXT-200**		12 x 24 mm 12 x 30 mm 25 x 30 mm
	Non-resorbable titanium-reinforced high-density PTFE membrane	**Cytoplast Ti-PTFE**		ANL and AS
 Mesh	Reinforced PTFE mesh	**RPM**		
 Matrix	Micro-surfaced allogenic acellular dermal matrix	**Cytoplast MicroDerm**		
 Wound dressings	Absorbable wound dressing	**Cytoplast RTMPlug, RTMFoam and RTMTape**	Plug (fully intact sockets only)	
		creos xenoplug, xenocote and xenotape	Plug (fully intact sockets only)	
 Sutures	Non-absorbable PTFE suture – monofilament	**Cytoplast PTFE**	All sizes	All sizes
	Absorbable PGA/PCL suture – monofilament	**RESORBA GLYCOLON**		All sizes
 Fixation systems	Titanium fixation pins	**Master-Pin-Control (hybrid pin system)**		
	Self-drilling titanium fixation screws	**Pro-fix precision fixation system**		

Horizontal ridge augmentation	Vertical ridge augmentation	Peri-implant defect	Sinus augmentation	Periodontal defects	Soft-tissue augmentation (around teeth or implants)
					
0.25 – 1.0 cc			1.0 – 2.0 cc		
		0.5 – 1.0 cc		0.25 cc	
0.25 – 1.0 cc		0.5 – 1.0 cc	1.0 – 2.0 cc	0.25 cc	
0.25 – 1.0 cc			1.0 – 2.0 cc		
0.25 – 1.0 cc		0.5 – 1.0 cc	1.0 – 2.0 cc	0.25 cc	
		0.5 – 1.0 cc		0.25 cc	
0.25 – 0.5 g	0.5 – 2 g	0.25 – 0.5 g	1 – 2 g	0.25 g	
0.25 – 0.5 g		0.1 – 0.25 g	0.25 – 0.5 g	0.1 – 0.25 g	
15 x 20 mm 25 x 30 mm	25 x 30 mm 30 x 40 mm	15 x 20 mm	15 x 20 mm 25 x 30 mm	15 x 20 mm	
15 x 20 mm 20 x 30 mm	20 x 30 mm 30 x 40 mm	15 x 20 mm	15 x 20 mm 20 x 30 mm	15 x 20 mm	
15 x 20 mm 20 x 30 mm		10 x 10 mm 15 x 20 mm	15 x 20 mm 20 x 30 mm	10 x 10 mm 15 x 20 mm	
		12 x 24 mm 12 x 30 mm 25 x 30 mm			
Shapes depending on defect	Shapes depending on defect	Shapes depending on defect			
Shapes depending on defect	Shapes depending on defect	Shapes depending on defect			
					1 x 1 cm 1 x 2 cm 1 x 4 cm 2 x 4 cm
					Foam, Tape (for donor site)
					Cote, Tape (for donor site)
All sizes	All sizes	All sizes	All sizes	All sizes	
		All sizes	All sizes	All sizes	All sizes
Membrane fixation pins	Membrane fixation pins	Membrane fixation pins	Membrane fixation pins		
All types	All types	Membrane fixation screws	Membrane fixation screws		

creos™ allo.gain

A wide range of allograft materials, because all your cases are different

Broad allograft portfolio for different clinical indications*

- Mineralized and demineralized
- Cortical and cancellous
- Available in a bowl for an easy handling

allo.gain demineralized bone matrix (dbm) putty

- 100% pure demineralized allograft with no filler or inert carrier
- Syringe type dispenser for easy application

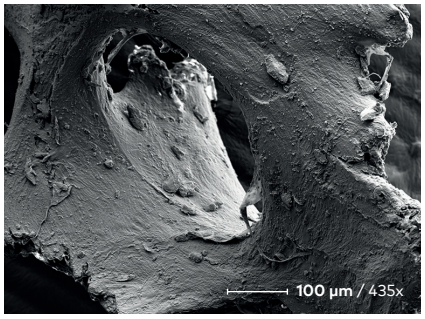
Ensuring safety and quality levels

- A proprietary patented process of tissue cleaning and sterilization
- The tissue bank follows strict processing procedures in order to ensure safe tissue grafts of the highest quality for transplantation

*See Instructions For Use for full prescribing information, including indications, contraindications, warnings and precautions

Allograft

creos™ allo.gain bone particulate: a wide range of options



Mineralized cancellous bone

Mineralized cortical bone

Offers a high density bone with particle size range from 0.125 mm to 1 mm and available volume of 0.25 cc to 2.0 cc.

Mineralized/demineralized cortical bone

Blend of 70% mineralized and 30% demineralized cortical bone.

Mineralized corticocancellous bone

Blend of cortical and cancellous bone produced from sections of the ilium.

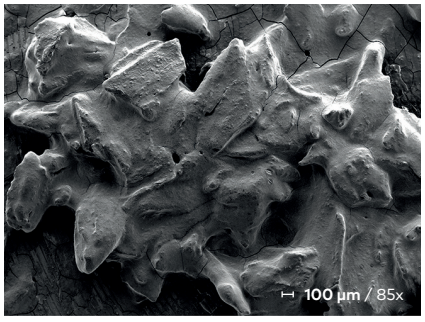
Mineralized cancellous bone

A porous structured bone with particle size range from 0.25 mm to 1 mm and available volume of 0.25 cc to 2.0 cc.

Demineralized cortical bone

Demineralized high density bone with particle size range from 0.125 mm to 1 mm and available volume of 0.25 cc to 2.0 cc.

creos™ allo.gain demineralized bone matrix (dbm) putty



100% pure allograft

The creos™ allo.gain dbm putty is 100% pure demineralized allograft with no filler or inert carrier.

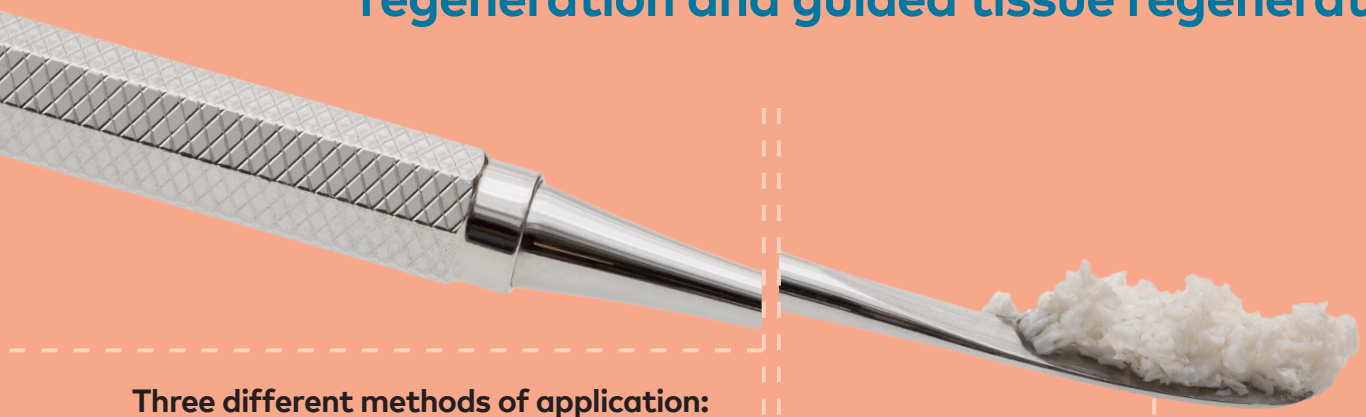
Available in three volumes

The creos™ allo.gain dbm putty is available in three different volumes: 0.5 cc, 1.0 cc and 2.5 cc. This means that the required amount can be used with minimal excess material.

Scan the code for clinical resources.

creos™ xenogain

Xenogenic bone graft used for guided bone regeneration and guided tissue regeneration



Three different methods of application:

Vial

Bowl

Syringe

Similar to human bone

- Chemical composition: Ca/P ratio
- Interconnected macropores[1,2]

Easy handling

- Homogenous particle size[1]
- Hydrophilic for fast rehydration[3,4]

Solid foundation for dental implant treatment

- Osteoconductive properties[2]
- Long-term volume stability[6]
- Uneventful healing[4,6,7,8,9]

"I appreciate its handling properties and I see its high hydrophilicity as a biological advantage in sinus grafting and peri-implant defect regeneration."

Dr. Werner Zechner, Austria

Bovine

creos™ xenogain collagen

Block

Syringe

Purified cancellous bovine bone mineral granules and 10% porcine collagen in block form and syringe. The collagen helps to hold creos™ xenogain collagen in the desired place. Especially recommended for extraction socket management.

Bovine

Porcine

Scaffold for successful regeneration

Preserved natural features of bone through optimized manufacturing process.[2]

Chemical composition

With a calcium phosphate ratio that reflects the composition in human bone and a structure with low crystallinity, the body accepts creos™ xenogain as a suitable framework for bone formation.[1]

Particle size

- Homogenous particle size[1]
- Maintains space for bone regeneration[4]

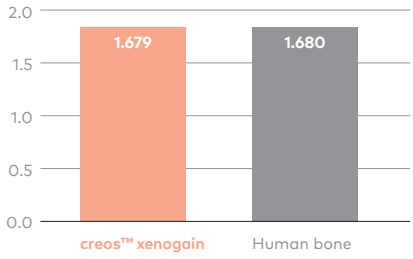
Preserved nanostructure

Nanostructure preserved thanks to treatment at comparatively low temperature (600°C) and no sintering.[2]

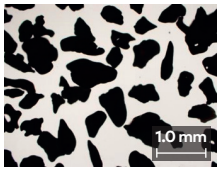
Macro and micro-structure

Interconnected macropores allow cells to invade bone grafts and micropores contribute to capillary liquid uptake (hydrophilicity).[10,11]

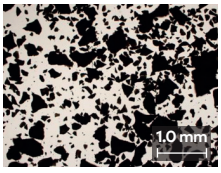
Calcium phosphate ratio



Photographic micrograph of creos™ xenogain and reference product showing the particle size distribution (magnification 20x)



creos™ xenogain
(0.2 – 1.0 mm)

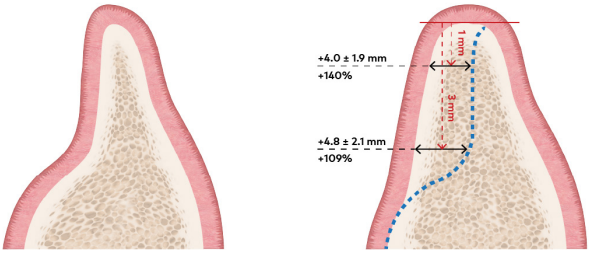


Reference product
(0.25 – 1.0 mm)

Solid foundation for implant placement

The graft integrates with the newly formed bone, building a basis for successful implant placement.[4]

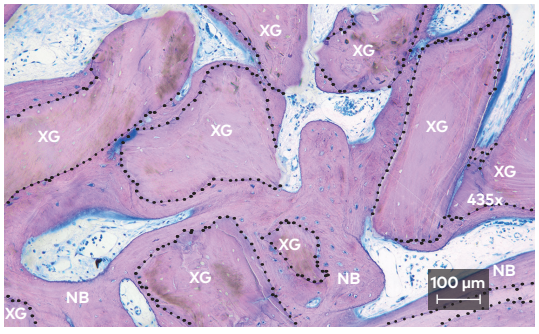
Schematic showing the defect and bone size prior to and after GBR



Initial situation before GBR

8 months post-surgery

Histological cross section of the cellular components: new bone (NB), bone graft (XG). Bone-to-graft-particle contact shown by dashed line.



In a multicenter clinical study involving 46 patients, bone increase after 8 months was 4.0 mm (+56.9 % gain) and 4.7 mm (51.0% gain) at 1 and 3 mm from the top of the crest, respectively.[7]

GBR led to robust bone regeneration during the 8 months of healing, enabling successful placement of 91 implants in 43 patients, with an average insertion torque of 37.8 ± 5.1 Ncm.[7]

Histological assessment of the trephine cores showed 37.3 % of new bone, 39.1 % of graft material and 23.6 % of soft tissue (n = 6 cores, 3 patients).[7]

Scan the code for more resources.

creos™ xenoprotect

Nobel Biocare's highest selling resorbable collagen membrane

Easy handling[1,2]

- Does not stick to instruments
- Repositioning in-situ possible
- Low surface expansion when hydrated
- Both sides can face the defect

High mechanical strength[2,3,4]

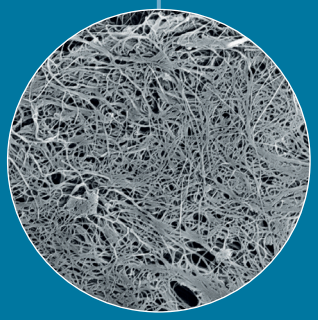
- High suture retention[1,4,9]
- Highly tear-resistant

Natural collagen membrane

- Non-chemically cross-linked[14]
- Made from porcine collagen

Facilitates bone gain[2,3,5,6,7,8]

- Tested and approved biocompatibility[7,10]
- Beneficial clinical results[7,10]



"What I like is that the handling is very easy. The mechanical stability is very high and when it is rehydrated it adapts very well to the underlying bone."

Dr. Bastian Wessing, Germany

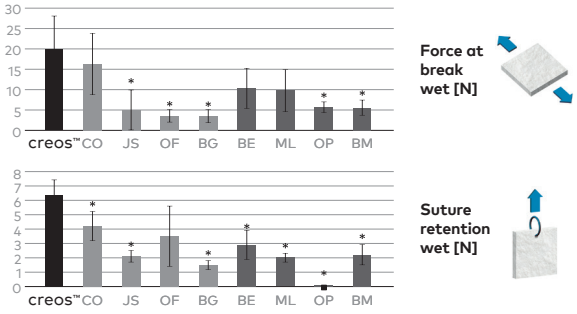
Porcine

High mechanical strength

In an in vitro study aiming to compare the mechanical strength of commonly used native non-chemically cross-linked and chemically cross-linked collagen membranes[4]

- creos™ xenoprotect demonstrated the highest force at break, wet (21.2 N).
- creos™ xenoprotect had the highest suture retention when hydrated (6.1 N).

Comparison of commercial membranes in a hydrated state



Non-cross-linked collagen membranes (NXL) – CX: creos™ xenoprotect [Nobel Biocare]; CO: Copios [Zimmer]; JS: Jason [botiss]; OF: Osseoguard Flex [3i]; BG: Bio-Gide [Geistlich]

Cross-linked collagen membranes (XL) – BE: BioMend Extend [Zimmer]; ML: Mem-Lok [BioHorizons]; OP: OssixPlus [Datum Dental]; BM: BioMend [Zimmer];

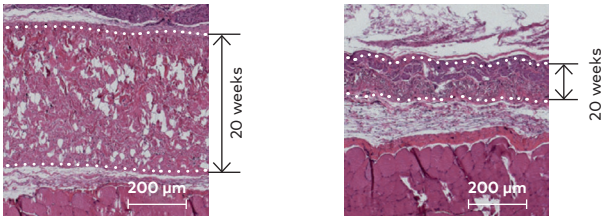
*Statistically significant

Provides a physical barrier to contain the bone graft material at the defect site[1,2,3,5,6,11,12,13]

Prevents ingrowth of surrounding tissue for a period of time that is long enough to allow bone regeneration to take place.

In an animal model, after 20 weeks, the thickness of xenoprotect decreased only slightly, whereas the reference membrane showed a thickness loss of around 50%, confirming the higher stability of xenoprotect against biodegradation in vivo.[3]

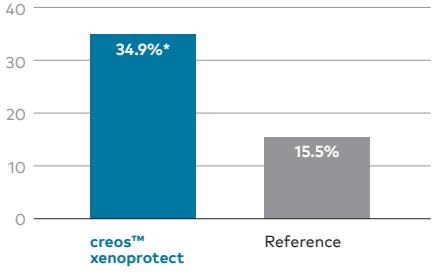
Representative histological images at 20 weeks implantation in a rat model.



creos™ xenoprotect | Reference membrane

Facilitates new bone formation[2,3,5,6,7,8]

New bone formation (%)



In a comparative in vivo study, creos™ xenoprotect demonstrated significantly higher new bone formation in the central portion of the defect.

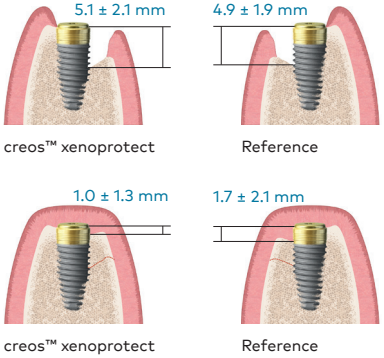
This increase in bone formation was associated with significantly increased expression of the growth factor *Bmp2*, which has a strong role in osteogenesis.[7]

*Statistically significant

In a randomized controlled clinical trial, 24 patients were treated with creos™ xenoprotect and 25 with a reference membrane. In the creos™ xenoprotect group, the defect height reduced at 6-month re-entry by 81%.

In the reference membrane group, the defect height reduced at 6-month re-entry by 62%.[5]

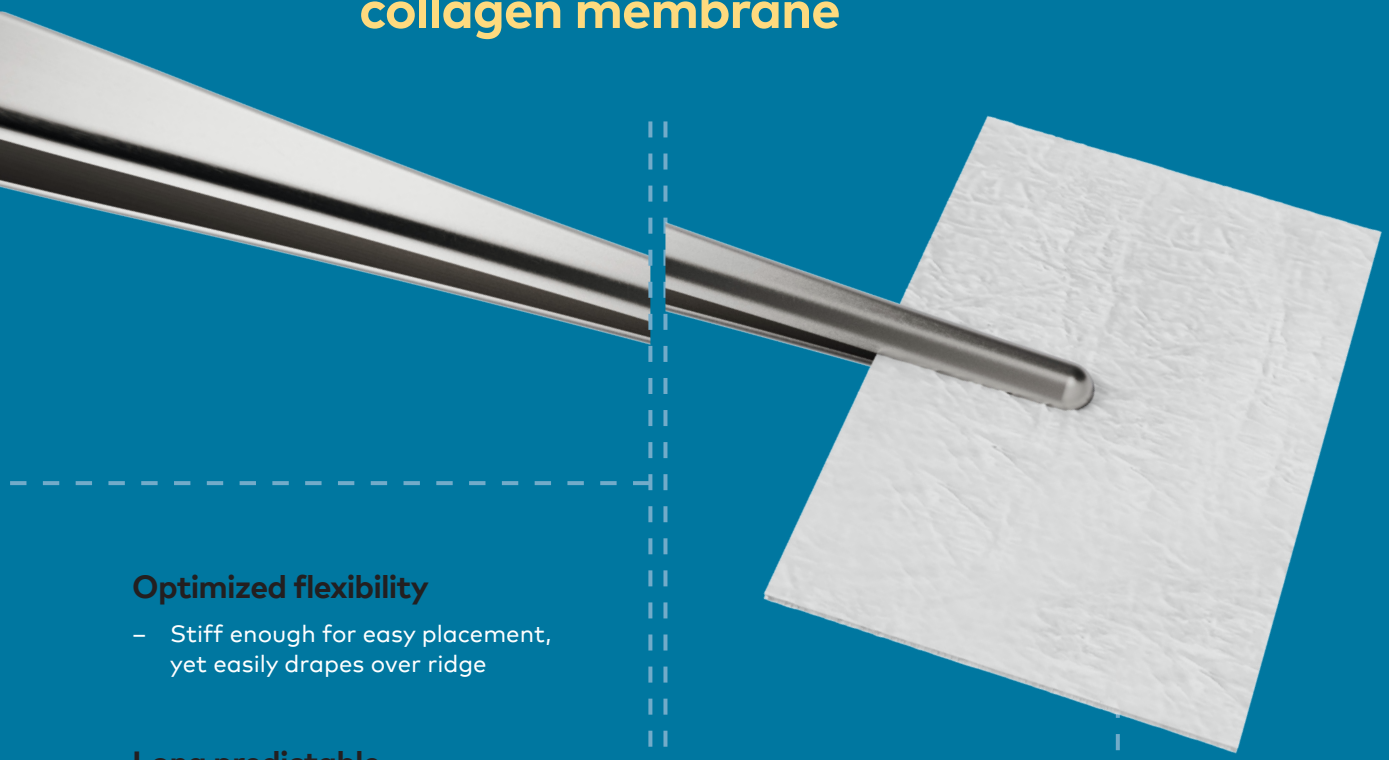
Schematic showing the defect height prior to treatment and 6 months after GBR



Scan the code for more resources.

Cytoplast™ RTM collagen

Resorbable, firm and long-lasting collagen membrane



Optimized flexibility

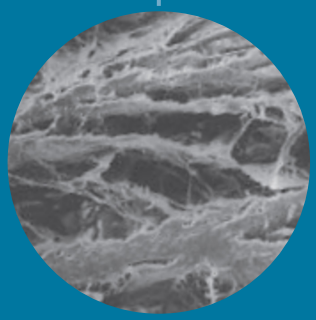
- Stiff enough for easy placement, yet easily drapes over ridge

Long predictable resorption time

- Resorption time 26–38 weeks

High tensile strength

- Suture or tack the membrane in place without tearing



Manufactured from highly purified Type 1 bovine Achilles tendon

Reconstituted fiber construction allows tissue integration while preventing direct passage of epithelial cells

Bovine

creos™ allo.protect

An effective and reliable barrier

allo.protect pericardium membrane

– Durable protection

Ensuring safety and quality levels*

– A proprietary patented process of tissue cleaning and sterilization

– The tissue bank follows strict processing procedures in order to ensure safe tissue grafts of the highest quality for transplantation

Allograft

*See Instructions For Use for full prescribing information, including indications, contraindications, warnings and precautions

creos™ allo.protect pericardium membrane

Three sizes

creos™ allo.protect is available in three different sizes: 10 x 10 mm, 15 x 20 mm and 20 x 30 mm.

Easy to handle

Easy to tack and suture with high tear resistance. Adapts well to surface contours and maintains shape and size once placed.

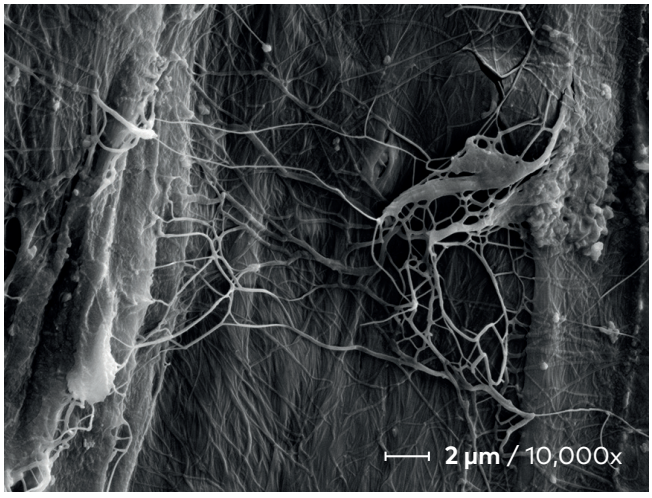
Durable protection

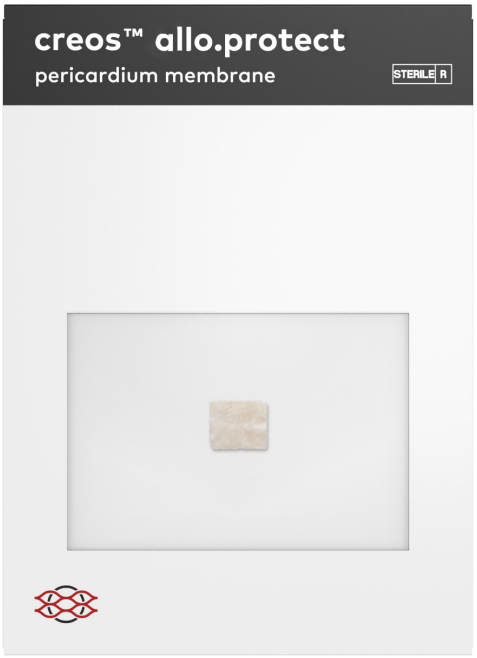
Strong and stable due to the pore structure of native pericardium. Slow degradation for an effective barrier during the healing process.

Biocompatible and tissue friendly

Preservation of the native pericardium collagen matrix and its mechanical properties.

Its native three-dimensional interconnective structure gives a longer time to degradation than other collagen sources.





Scan the code for clinical resources.

Cytoplast™ PTFE

Non-resorbable dense PTFE membrane for extraction socket management, ridge augmentations and grafting of large defects

Cytoplast™ TXT-200 PTFE membrane

Purposely leave the membrane exposed

Preservation of the soft-tissue architecture and keratinized mucosa

Non-resorbable

Will not resorb prematurely – you dictate healing time

100% dense (non-expanded) PTFE

Impervious to bacteria – pore size less than 0.3 µm

Soft tissues attaches to, but doesn't grow through, the membrane.

Exposed membrane allows for non-surgical removal; no anesthesia required

Synthetic

Cytoplast™ Ti-reinforced PTFE membrane

Delicate, lightweight framework

Easy to trim and compliant with the overlying soft tissues

Less is more

Less titanium bulk allows for greater versatility in shaping and placement, providing additional stability in large, non-spacemaking osseous defects

Handling options

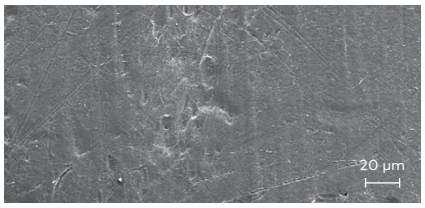
Broad portfolio with 15 shapes in two thicknesses

Traditional frame design

Incorporating delicate and strategically-placed titanium "struts" with more than 25 years of clinical history and successful use in GBR

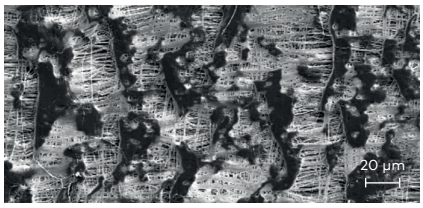
Unique properties of dense PTFE membranes

Dense PTFE



SEM image courtesy of Schüpbach Ltd, Switzerland.

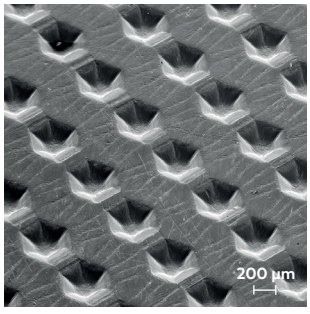
Expanded PTFE



SEM image courtesy of Schüpbach Ltd, Switzerland.

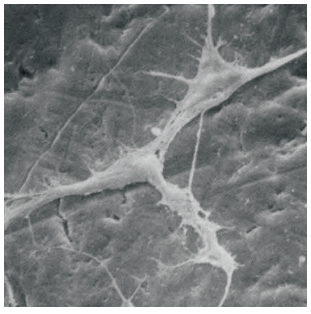
Dense PTFE was designed to withstand exposure in the oral environment, which represents an improvement to earlier versions of expanded PTFE in applications such as ridge preservation where deliberate membrane exposure offers several advantages.

Designed to aid in membrane stabilization



Hexagonal surface dimples provide a textured surface that increases the area available for cellular attachment without increasing porosity. The textured surface is designed to help stabilize the membrane and the soft-tissue flap.

SEM image courtesy of Schüpbach Ltd, Switzerland.

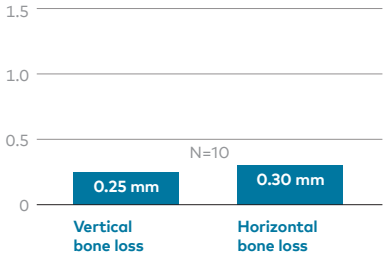


Although PTFE is inherently a non-stick material, cells attach to the outside of the dense PTFE membranes. Cellular adhesion is important to create a seal around the edges of exposed dense PTFE membranes or to support primary closure in larger graft applications.

Clinical evidence

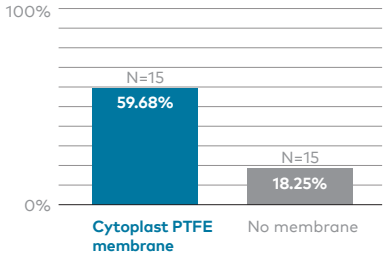
Efficacy

Bone loss 1-year post-extraction[1]



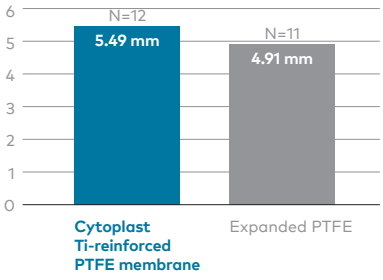
Vertical bone loss measured at crest. Horizontal measured from stent to buccal plate.

Soft-tissue regeneration 90 days post-extraction[2]



Measured as reduction of the occlusal distance between buccal and lingual gingival margins.

Vertical ridge augmentation around implants[3]



Mean vertical bone regeneration.

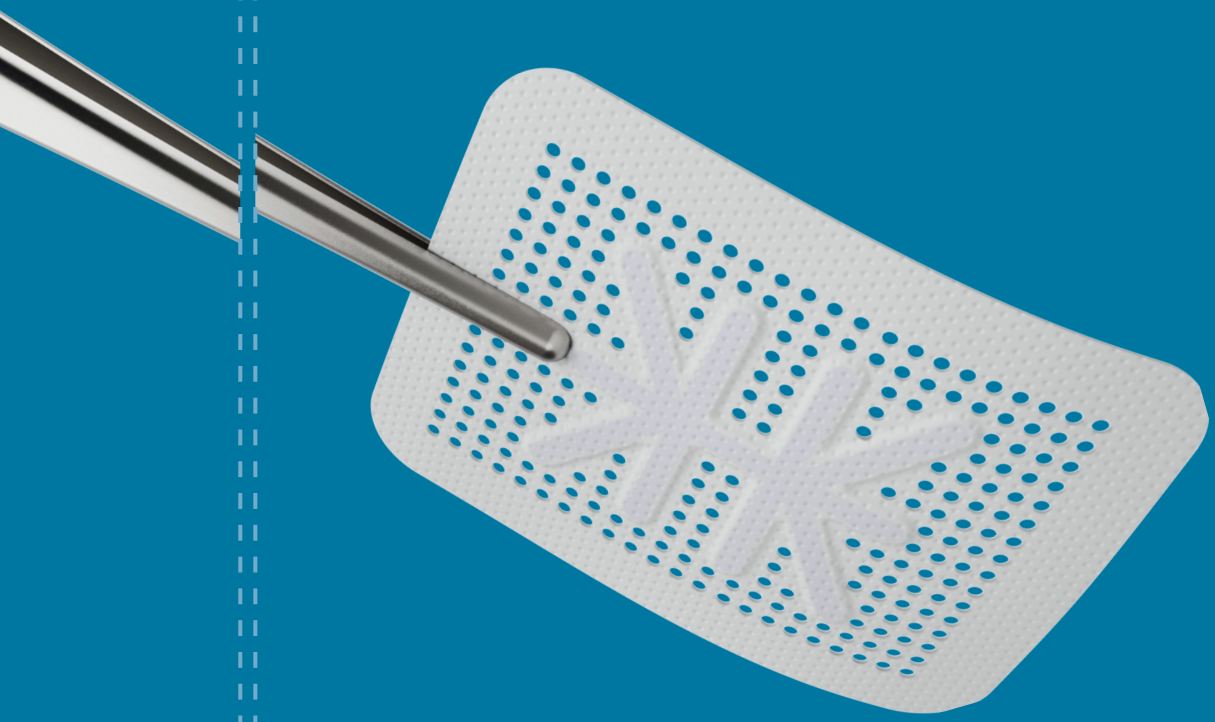
Predictability

In two separate studies treating a total of 696 extraction sites using dense PTFE membranes in an exposed technique, there were no reported infections.[4,5]

Scan the code for more resources.

RPM™ reinforced PTFE mesh

Non-resorbable reinforced PTFE mesh for the stabilization and support of bone grafts in horizontal and vertical ridge augmentations



Adaptability of a membrane with porosity of a mesh

Maintains space essential for horizontal and vertical ridge augmentations, but with the benefits of easier trimming and adaptation.

Unique macroporous design

Direct contact between bone graft and periosteum allows naturally occurring revas-cularization and infiltration of cells into the bone graft.

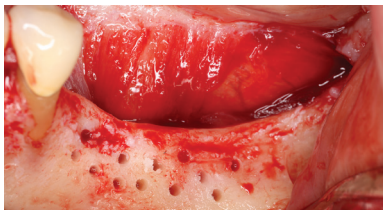
Handling options

15 shapes adapted to treat different indications.

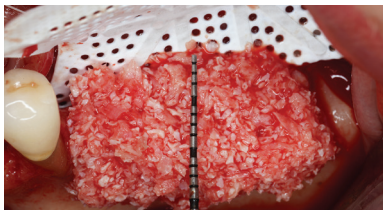
Synthetic

Ridge augmentation using reinforced PTFE mesh case study

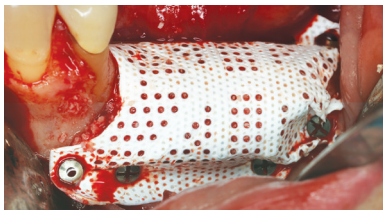
Case photos provided by Istvan Urban, DMD, MD, PhD



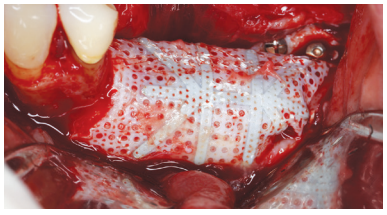
1 Labial view of an atrophic posterior mandibular area.



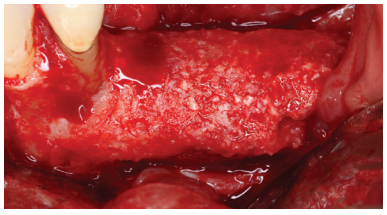
2 A 1:1 mixture of autogenous and xenogenic bone graft is placed on the ridge. Cortical bone was perforated and an RPM™ reinforced PTFE mesh was secured on the lingual side before applying bone graft.

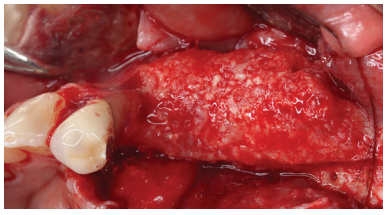


3 An RPM™ is secured over the graft with titanium pins and screws.

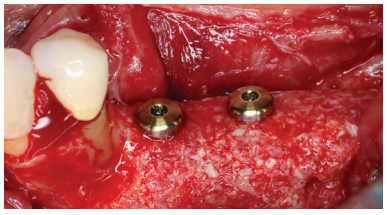


4 After 9 months of healing, the augmented site is exposed and the RPM™ will be removed.





5/6 Labial and occlusal views of the regenerated bone after 9 months of healing.



7/8 Labial and occlusal views of two implants placed into regenerated bone.

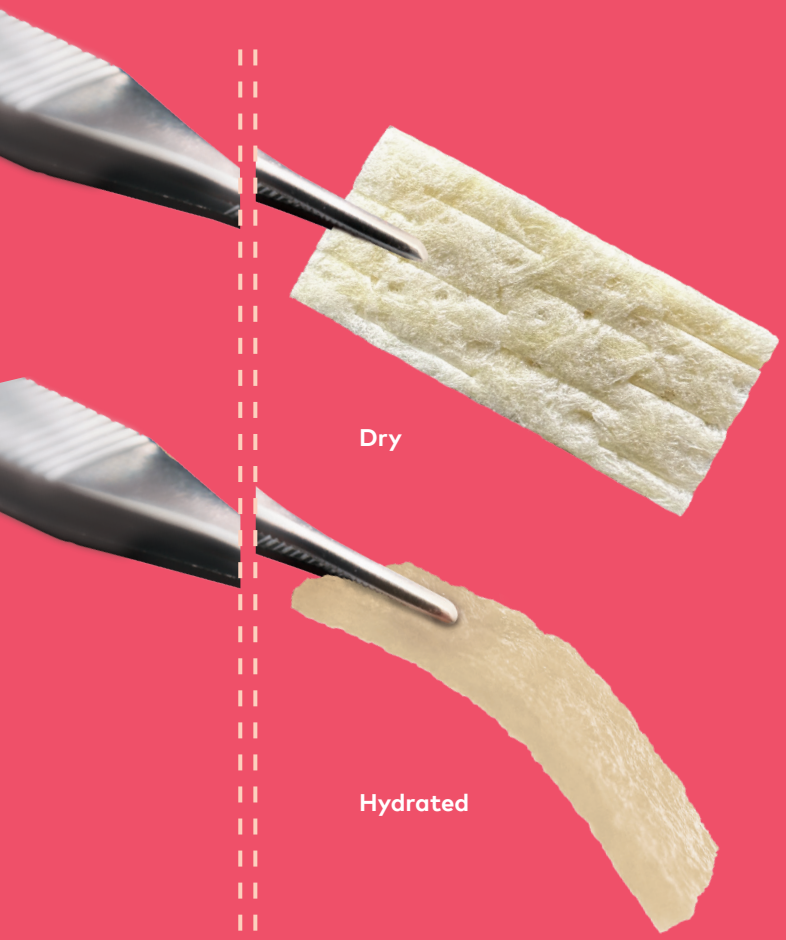
"RPM™ allows the vascularization you get from a mesh, but with the softness of a membrane that remains kind to soft tissues. With the mesh, and the bone quality I see at seven months, I am able to shorten time to implants by about two months."

Istvan Urban, Hungary

Scan the code for clinical resources.

Cytoplast MicroDerm™

A micro-surfaced allogenic acellular dermal matrix



Benefits

- Rapidly hydrates within 60 seconds upon contact with blood or saline solution
- Strict tolerances on thickness for consistent handling and predictability
- Not side specific

Technical specifications

- Shelf life of 5 years
- Terminally sterilized to a SAL of 10^{-6}
- Packaged dry
- Manufactured using a proprietary series of soaks and rinses to effectively clean and disinfect the tissue without the use of harsh chemicals
- Store at room temperature

Indications*

- Used for repair or replacement of damaged or inadequate soft tissue
- Root coverage
- Gingival augmentation
- Soft-tissue augmentation around implants

Allograft

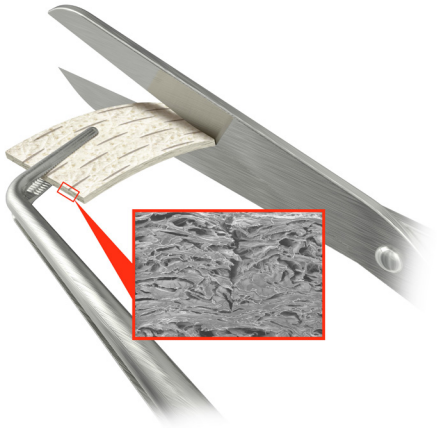
"The tissue is very easy to handle when applying to your surgery site and the hydration time is shorter than its competitors. I believe its strongest clinical characteristic is the immediate adsorption of blood into the MicroDerm graft as you place into the recipient site. I am very pleased with the results I'm seeing."

Dr. Reid Lester, United States

*See Instructions For Use for full prescribing information, including indications, contraindications, warnings and precautions

Dual-sided micro-cuts to increase surface area

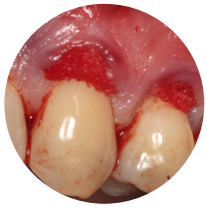
Micro-cut channels shorten pathways for vascularization and increase tissue surface area available for attachment.



Cytoplast MicroDerm™ case study

Case photos provided by Shaun Rotenberg, DMD

Pre-op



Day 0
MicroDerm placed

Day 0
Sutured

2 weeks post-op

9 weeks post-op

"The early healing and soft-tissue appearance is really where MicroDerm shines. Tissue never looks this good so early on with traditional allograft."

Dr. Shaun Rotenberg, United States

Available sizes

Thickness 1.2 mm +/- 0.2 mm

CMD1010NB
1 x 1 cm, 1/box

CMD1020NB
1 x 2 cm, 1/box

CMD1040NB
1 x 4 cm, 1/box

CMD2040NB
2 x 4 cm, 1/box

After hydration

Cytoplast MicroDerm™ becomes soft and pliable.

Scan the code for more resources.

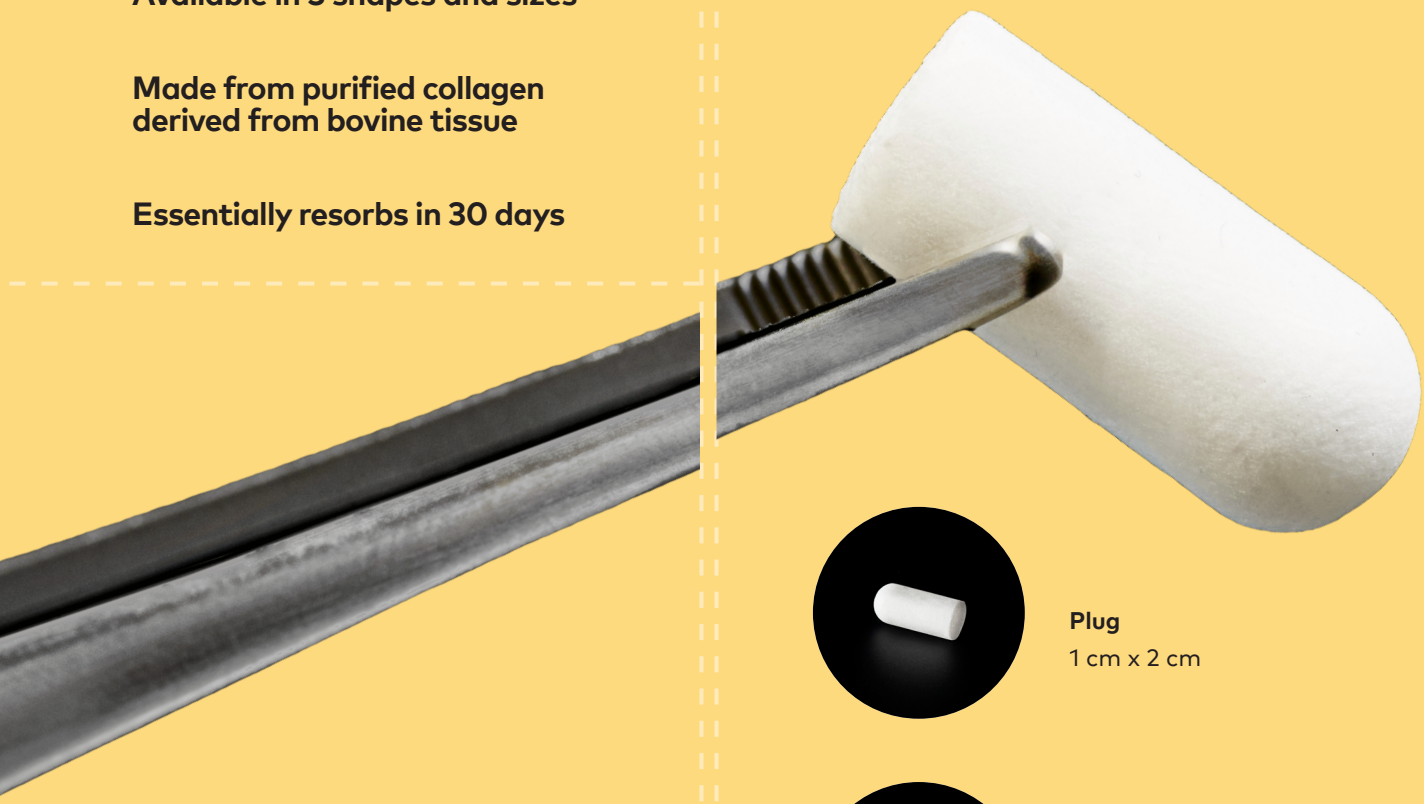
Cytoplast™ RTM wound dressings

Absorbable wound dressings to protect wound beds and aid in wound healing

Available in 3 shapes and sizes

Made from purified collagen derived from bovine tissue

Essentially resorbs in 30 days



Plug
1 cm x 2 cm

Foam
2 cm x 4 cm x 3 mm (thick)

Tape
2.5 cm x 7.5 cm x 1 mm (thick)

Applications*

- Surgical wounds
- Periodontal surgical wounds
- Extraction sites
- Dental sores
- Oral ulcers (non-infected or viral)
- Suture sites
- Burns
- Traumatic wounds

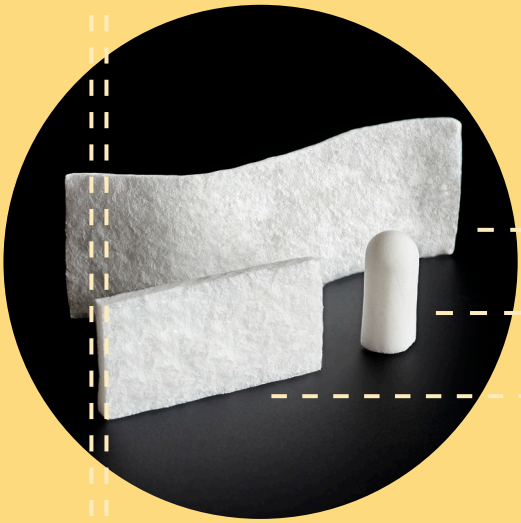
*See Instructions For Use for full prescribing information, including indications, contraindications, warnings and precautions

Bovine

Scan the code for more resources.

creos™ absorbable collagen dental wound dressings

Complementing your regenerative set

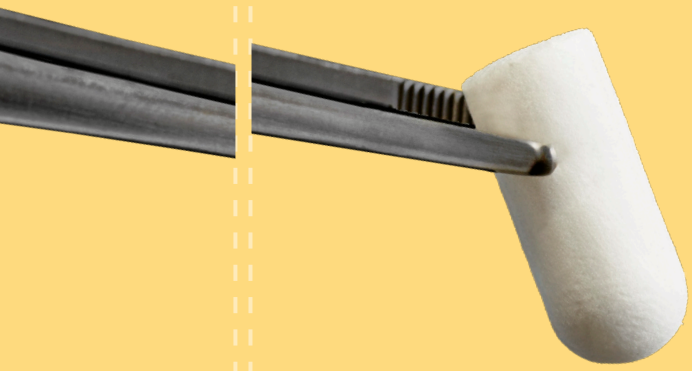


Three different shapes

creos™ xenotape

creos™ xenoplug

creos™ xenocote



Features

- Soft, white, pliable, non-friable, absorbent sponges made from collagen obtained from bovine deep flexor (Achilles) tendons.
- Indicated for application to moist or bleeding clean oral wounds created during dental surgery, to control bleeding and protect the surface of the wound from further injury.
- Can be used during surgical procedures prior to wound closure or left in-situ.

Bovine

Applications

Depending on the chosen wound dressings product, one or more of the following applications are suitable*:

- Minor oral wounds
- Closure of grafted sites
- Repair of Schneiderian membrane
- Palatal donor sites
- Mucosal flaps
- Extraction sites
- Biopsy sites

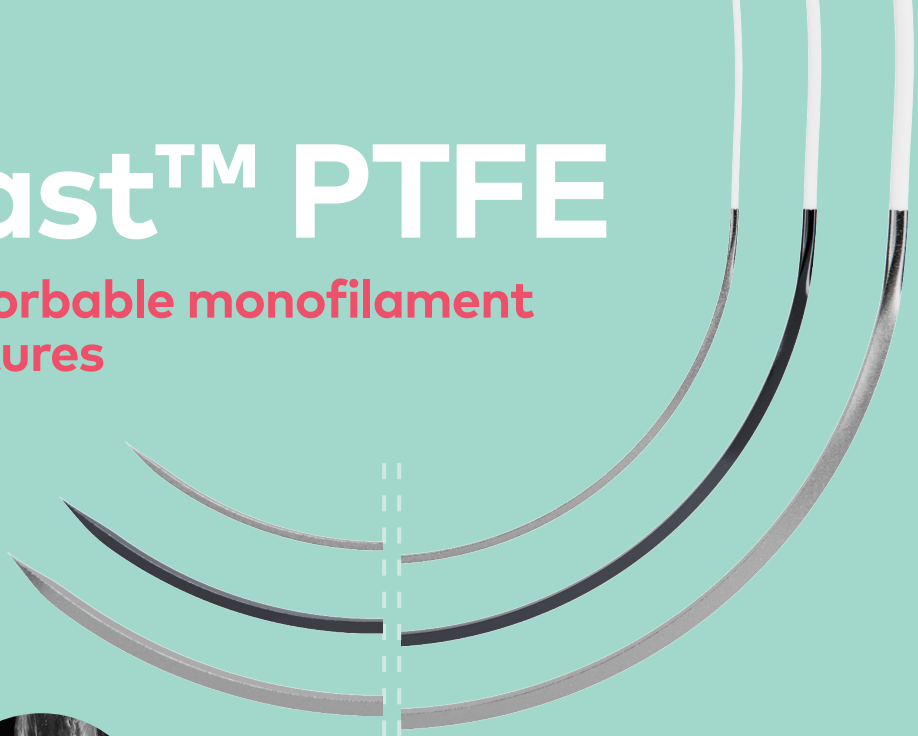
*See Instructions For Use for full prescribing information, including indications, contraindications, warnings and precautions.

Arrive ready to use and are easy to handle

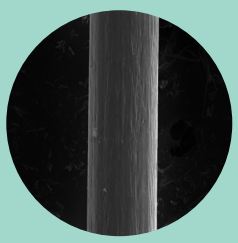
Scan the code for more resources.

Cytoplast™ PTFE

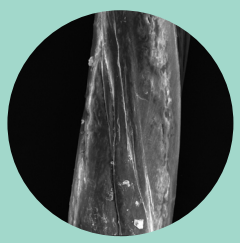
Non-absorbable monofilament PTFE sutures



Smooth monofilament rod



Cytoplast™ PTFE
350x magnification



PTFE Competitor
350x magnification

100% medical grade PTFE Biologically inert

Monofilament Does not wick bacteria

Soft (not stiff) Comfortable for patients

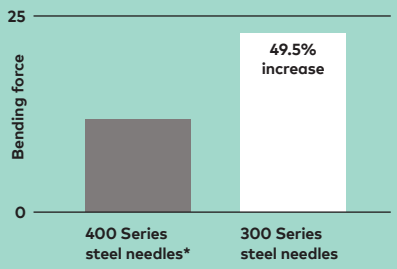
Little to no package memory Excellent handling, knots securely

Non-resorbable Keeps the surgical site reliably closed

Advantages of the 300 series stainless steel needles

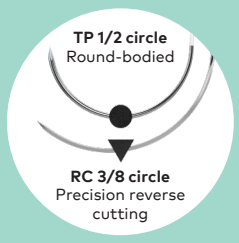
- Gold standard material for suture needles
- Increased needle strength and needle sharpness
- Less force to penetrate

Resistance to bending



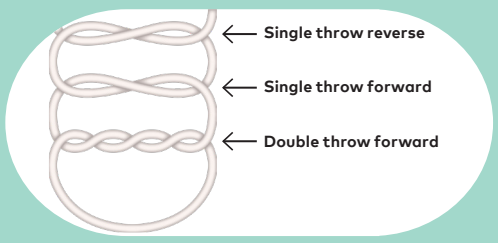
*common in dentistry

Needle shapes



Thread diameters

Recommended knot[1]



RESORBA® GLYCOLON™

Absorbable monofilament PGA/PCL sutures

PGA – PCL copolymer Polyglycolic acid and polycaprolactone

Monofilament suture Provides excellent handling properties

Monofilament Does not wick bacteria

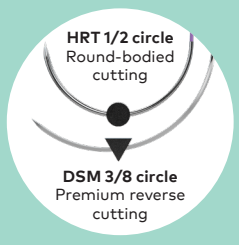
Allows Atraumatic passage through the tissue

Maintains 50% of its tensile strength for 11–13 days

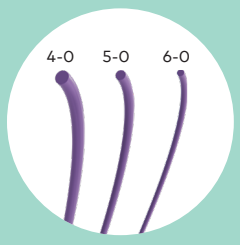
Advantages of the 300 series stainless steel needles

- Black needles
- Manufactured from premium tempered black
- 300 series stainless steel
- Black steel provides more contrast in the mouth for easier visualization
- Dark color doesn't reflect light, which is advantageous when suturing under magnification

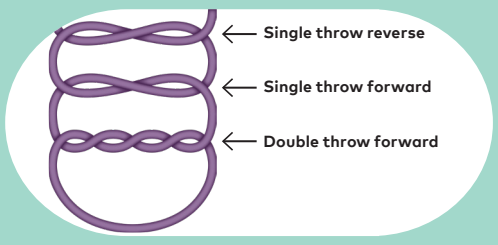
Needle shapes



Thread diameters



Recommended knot[1]



Pro-fix™ precision fixation system

Fast and easy placement of membranes, bone blocks, and tenting screws

Versatility and adaptability

- Variety of bone fixation, membrane fixation, and tenting screws
- Instruments designed to work universally with all screw types

Ease of use

- Autoclavable kit
- Conveniently stores fixation instruments and up to 100 fixation screws
- Designed for easy identification, storage, and simple reordering of the screws.

Stable and secure fixation

- Easy pick-up of screws, stable transfer to the surgical site, quick engagement into the cortical bone

Membrane fixation screws

to secure membranes and mesh

- Self-drilling design
- Quick engagement in cortical bone
- No mallet or pilot holes needed

Tenting screws

to maintain space under membranes in horizontal and vertical augmentation procedures

- Self-drilling tip, polished neck, and broader head

Bone fixation screws

to stabilize, fixate, and support bone grafts

- Self-tapping threads
- Threads with a cutting flute for easier insertion into harder bone
- Head design allows screw to be screwed down flush to bone surface

Master-Pin-Control (hybrid pin system)

Precision fixation system

Versatility and adaptability

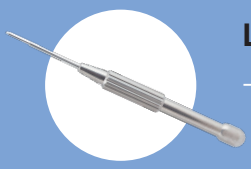
- Avoids micromobility of graft
- Fixation of absorbable and non-absorbable membranes

Ease of use

- Extremely sharp tip
- Allows for precise placement into cortical bone

Replacement screws

- Hybrid of screw and pin
- The mini-threads on the pins increase the surface area of the shaft to allow for stability and easy removal



Long screwdriver

- Designed by Dr. Istvan Urban with Meisinger to make pin removal easier in hard-to-reach areas

Products

creos™ allo.gain

Bone particulate

Vial	min/demin cortical	mineralized corticocancellous		mineralized cancellous		mineralized cortical			demineralized cortical	
	Medium 0.25-1 mm	Medium 0.25-1 mm	Large 0.5-1 mm	Medium 0.25-1 mm	Large 0.5-1 mm	Small 0.125-0.85 mm	Medium 0.25-1 mm	Large 0.5-1 mm	Small 0.125-0.85 mm	Large 0.5-1 mm
0.25 cc		N4510	N4511	N4210	N4211	N4110	N4111	N4112	N4310	N4311
0.50 cc	N4410	N4520	N4521	N4220	N4221	N4120	N4121	N4122	N4320	N4321
1.00 cc	N4420	**N4530**	N4531	**N4230**	N4231	N4130	N4131	N4132	N4330	N4331
2.00 cc	N4430	**N4540**	N4541	N4240	N4241	N4140	N4141	N4142	N4340	N4341

Bowl	min/demin cortical	mineralized corticocancellous		mineralized cancellous		mineralized cortical			demineralized cortical	
	Medium 0.25-1 mm	Medium 0.25-1 mm	Large 0.5-1 mm	Medium 0.25-1 mm	Large 0.5-1 mm	Small 0.125-0.85 mm	Medium 0.25-1 mm	Large 0.5-1 mm	Small 0.125-0.85 mm	Large 0.5-1 mm
0.25 cc		N4510-B	N4511-B	N4210-B	N4211-B	N4110-B	N4111-B	N4112-B	N4310-B	N4311-B
0.50 cc	N4410-B	N4520-B	N4521-B	N4220-B	N4221-B	N4120-B	N4121-B	N4122-B	N4320-B	N4321-B
1.00 cc	N4420-B	**N4530-B**	N4531-B	**N4230-B**	N4231-B	N4130-B	N4131-B	N4132-B	N4330-B	N4331-B
2.00 cc	N4430-B	**N4540-B**	N4541-B	N4240-B	N4241-B	N4140-B	N4141-B	N4142-B	N4340-B	N4341-B

creos™ allo.gain dbm putty

Demineralized bone matrix (DBM) putty

Size	Article no.
0.50 cc	**N6110**
1.00 cc	N6120
2.50 cc	N6130

Symbol glossary

Temperature limit

Upper limit of temperature

Most commonly sold articles

creos™ xenogain

Xenogenic bone graft substitute

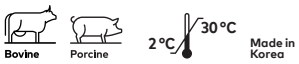
Weight	Granule size	Volume	Vial	Bowl	Syringe
0.25 g	Small (0.2 – 1.0 mm)	0.36 cc	N1110	**N1110-B**	N1210
	Large (1.0 – 2.0 mm)	0.54 cc	N1111	N1111-B	N1211
0.5 g	Small (0.2 – 1.0 mm)	0.82 cc	N1120	**N1120-B**	N1220
	Large (1.0 – 2.0 mm)	1.27 cc	N1121	N1121-B	N1221
1.00 g	Small (0.2 – 1.0 mm)	1.71 cc	N1130	N1130-B	
	Large (1.0 – 2.0 mm)	2.69 cc	N1131	N1131-B	
2.00 g	Small (0.2 – 1.0 mm)	3.64 cc	N1140	N1140-B	
	Large (1.0 – 2.0 mm)	5.74 cc	N1141	N1141-B	

creos™ xenogain collagen

creos™ xenogain + 10% porcine collagen type I

Weight	Block size	Article no.
0.1 g	6 x 6 x 6 mm	**N1320**
0.25 g	7 x 8 x 9 mm	N1330
0.5 g	9 x 10 x 11 mm	N1340

Weight	Syringe size	Article no.
0.25 g	4.6 x 40 mm	**N1410**
0.5 g	5.6 x 45 mm	N1420



creos™ xenoprotect

Nobel Biocare's highest selling resorbable collagen membrane

Size	Article no.
15 x 20 mm	N1520
25 x 30 mm	N2530
30 x 40 mm	N3040

Porcine · 25 °C · Made in Germany

Cytoplast™ RTM collagen

Resorbable, firm, collagen membrane

Size	Units/box	Article no.
15 x 20 mm	2	CLMRTM1520
20 x 30 mm	2	CLMRTM2030
30 x 40 mm	2	CLMRTM3040

Bovine · 15 °C – 30 °C · Made in USA

creos™ allo.protect

pericardium membrane

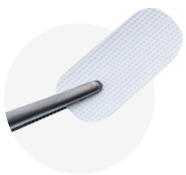
Size	Article no.
10 x 10 mm	N7110
15 x 20 mm	N7120
20 x 30 mm	N7140

Allograft · Store at ambient temperature · Processed in USA

Cytoplast™ TXT-200 PTFE membrane

Non-resorbable, high-density PTFE membrane

Shape	Picture	Size	Thickness	Article no.	Units/box	Description
Small		12 x 24 mm	200 µm	TXT1224-1	1	Designed specifically for extraction site grafting and augmentation procedures where exposure to the oral cavity is common
			200 µm	TXT1224	10	
Medium		12 x 30 mm	200 µm	TXT1230	10	
Large		25 x 30 mm	200 µm	TXT2530-1	1	
			200 µm	TXT2530	4	



Synthetic · 15 °C – 30 °C · Made in USA

Most commonly sold articles

Cytoplast™ Ti-reinforced PTFE membrane

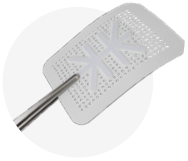
Non-resorbable, titanium reinforced, high-density PTFE membrane

Shape	Picture	Size	Thickness	1 unit/box	2 units/box	Description
ANL		12 x 24 mm	150 µm	**TI150ANL-N-1**	TI150ANL-N-2	Designed for narrow single-tooth extraction sites, especially where one bony wall is missing
			250 µm	TI250ANL-N-1	TI250ANL-N-2	
ANL0		12 x 30 mm	150 µm	n/a	n/a	
			250 µm	TI250ANL30-N-1	TI250ANL30-N-2	
AS		14 x 24 mm	150 µm	**TI150AS-N-1**	TI150AS-N-2	Designed for single-tooth extraction sites, especially where one or more bony walls are missing
			250 µm	TI250AS-N-1	TI250AS-N-2	
BL		17 x 25 mm	150 µm	TI150BL-N-1	TI150BL-N-2	Designed for large buccal defects
			250 µm	TI250BL-N-1	TI250BL-N-2	
BLL		17 x 30 mm	150 µm	TI150BLL-N-1	TI150BLL-N-2	
			250 µm	TI250BLL-N-1	TI250BLL-N-2	
PS		20 x 25 mm	150 µm	TI150PS-N-1	TI150PS-N-2	Designed for large extraction sites and limited ridge augmentation
			250 µm	TI250PS-N-1	**TI250PS-N-2**	
PST		36 x 25 mm	150 µm	TI150PST-N-1	TI150PST-N-2	Designed for large extraction sites and limited ridge augmentation in the anterior maxilla
			250 µm	TI250PST-N-1	TI250PST-N-2	
PL		25 x 30 mm	150 µm	TI150PL-N-1	TI150PL-N-2	Designed for large bony defects, including ridge augmentation
			250 µm	**TI250PL-N-1**	TI250PL-N-2	
PLT		30 x 41 mm	150 µm	TI150PLT-N-1	TI150PLT-N-2	Designed for large bony defects, including ridge augmentation in the anterior maxilla
			250 µm	TI250PLT-N-1	TI250PLT-N-2	
XLK		30 x 40 mm	150 µm	TI150XLK-N-1	TI150XLK-N-2	Designed for very large bony defects, including ridge augmentation
			250 µm	TI250XLK-N-1	TI250XLK-N-2	
XL		30 x 40 mm	150 µm	TI150XL-N-1	TI150XL-N-2	Designed for very large bony defects, including ridge augmentation
			250 µm	TI250XL-N-1	TI250XL-N-2	
ATC		24 x 38 mm	150 µm	TI150ATC-N-1	TI150ATC-N-2	Designed for large extraction sites, including ridge augmentation
			250 µm	TI250ATC-N-1	TI250ATC-N-2	
PTC		38 x 38 mm	150 µm	TI150PTC-N-1	TI150PTC-N-2	Designed for large bony defects, including ridge augmentation
			250 µm	TI250PTC-N-1	TI250PTC-N-2	
PD		38 x 38 mm	150 µm	TI150PD-N-1	TI150PD-N-2	Designed for large bony defects, including distal extension of the posterior ridge
			250 µm	TI250PD-N-1	TI250PD-N-2	
K2		40 x 50 mm	150 µm	TI150K2-N-1	TI150K2-N-2	Designed for the largest bony defects, including ridge augmentation
			250 µm	TI250K2-N-1	TI250K2-N-2	

RPM™ reinforced PTFE mesh

Non-resorbable mesh

Shape	Picture	Size	Thickness	1 unit per box	Description
BL		17 × 25 mm	200 µm	RPM200BL	Designed for large buccal defects
BLL		17 × 30 mm	200 µm	RPM200BLL	
PS		20 × 25 mm	200 µm	**RPM200PS**	Designed for large extraction sites and limited ridge augmentation
PST		36 × 25 mm	200 µm	RPM200PST	Designed for large extraction sites and limited ridge augmentation in the anterior maxilla
PL		25 × 30 mm	200 µm	**RPM200PL**	Designed for large bony defects, including ridge augmentation
PLT		30 × 41 mm	200 µm	RPM200PLT	Designed for large bony defects, including ridge augmentation in the anterior maxilla
XL		30 × 40 mm	200 µm	RPM200XL	Designed for very large bony defects, including ridge augmentation
XLK		30 × 40 mm	200 µm	RPM200XLK	Designed for very large bony defects, including ridge augmentation
XLKM		30 × 40 mm	200 µm	RPM200XLKM*	
ATC		24 × 38 mm	200 µm	RPM200ATC	Designed for large extraction sites, including ridge augmentation
ATCM		24 × 38 mm	200 µm	RPM200ATCM*	
PTC		38 × 38 mm	200 µm	RPM200PTC	Designed for large bony defects, including ridge augmentation
PTCM		38 × 38 mm	200 µm	RPM200PTCM*	
PD		38 × 38 mm	200 µm	RPM200PD	Designed for large bony defects, including distal extension of the posterior ridge
K2		40 × 50 mm	200 µm	RPM200K2	Designed for the largest bony defects, including ridge augmentation



* Designed for the mandible

Most commonly sold articles

Cytoplast MicroDerm™

Allogenic acellular dermal matrix

Size	Thickness	Article no.
1 x 1 cm	1.2 +/-.02 mm	CMD1010NB
1 x 2 cm	1.2 +/-.02 mm	**CMD1020NB**
1 x 4 cm	1.2 +/-.02 mm	CMD1040NB
2 x 4 cm	1.2 +/-.02 mm	CMD2040NB

Allograft

Store at ambient temperature

Made in USA

Cytoplast™ RTM wound dressings

Absorbable wound dressings

Size	Size	Units/box	Article no.
Plug	1 x 2 cm	10	**CLMRTMPLUG10**
Foam	2 x 4 cm	10	CLMRTMFOAM10
Tape	2.5 x 7.5 cm	10	CLMRTMTAPE10

Bovine

15 °C 25 °C

Made in USA

creos™ wound dressings

Product type	Configuration/size		Thickness	Article no.
creos xenoplug	0.375 in x 0.75 in	(1 cm x 2 cm)		WD62202
creos xenocote	0.75 in x 1.5 in	(2 cm x 4 cm)	2 – 4 mm	WD62201
creos xenotape	1 in x 3 in	(2.5 cm x 7.5 cm)	0.3 – 0.8 mm	WD62200

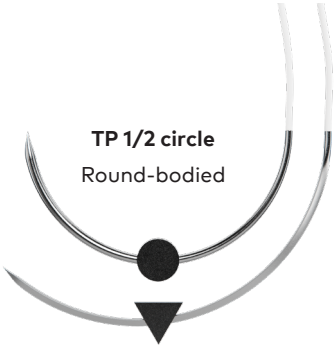
(10 per dispenser)

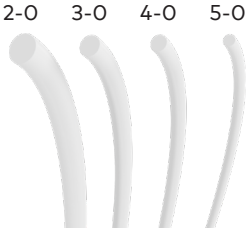
Bovine 10 °C 30 °C Made in USA

Cytoplast™ PTFE

Non-absorbable PTFE suture – monofilament

Needle shape	USP	Needle size	Needle color	Suture length 18 in. 12 units/box	Suture length 28 in. 12 units/box
TP 1/2 circle Round-bodied	4-0	13 mm		CS0618PERIO	CS0628PERIO
RC 3/8 circle Precision reverse cutting	2-0	19 mm		CS0418	CS0428
	3-0	16 mm		CS0518	CS0528
		19 mm		CS051819	CS052819
		16 mm	Black	CS0518BK	CS0528BK
		19 mm	Black	CS051819BK	CS052819BK
	4-0	13 mm		CS0618PREM	CS0628PREM
		16 mm		**CS0618RC**	CS0628RC
	5-0	13 mm		CS071813	CS072813
		16 mm		CS071816	CS072816





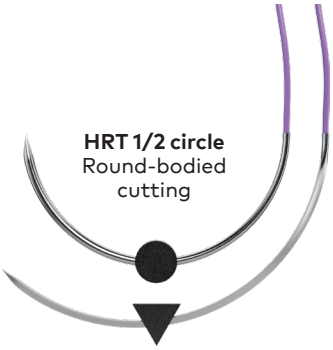
Synthetic 15 °C 30 °C Assembled in USA

Most commonly sold articles

RESORBA® GLYCOLON™

Absorbable PGA/PCL sutures – monofilament

Needle shape	USP	Needle size	Needle color	Thread color	Suture length 18 in. 12 units/box
HRT 1/2 circle Round-bodied cutting	4-0	18 mm	Silver	Violet	RMGOD01101
	5-0	16 mm	Silver	Violet	RMGOD01100
	6-0	10 mm	Silver	Violet	RMGOD01102
DSM 3/8 circle Premium reverse cutting	4-0	16 mm	Silver	Violet	RMGOD01201
		18 mm	Silver	Violet	**RMGOD01203**
	5-0	13 mm	Black	Violet	RMGOD01210
		16 mm	Black	Violet	RMGOD01211
		16 mm	Silver	Violet	RMGOD01214
		18 mm	Black	Violet	RMGOD01212
		18 mm	Silver	Undyed	RMGOD01202
	6-0	13 mm	Silver	Undyed	RMGOD01200
		13 mm	Silver	Violet	RMGOD01213



HRT 1/2 circle
Round-bodied cutting

DSM 3/8 circle
Premium reverse cutting

Synthetic 25 °C Made in Germany

Pro-fix™ precision fixation system

Instruments and screws for fast and easy placement of membranes, bone blocks and tenting screws

Membrane fixation kit Article **PFMK20**

Products included	Size	Qty.
Stabilization kit		1
Self-drilling membrane fixation screw	1.5 x 3 mm	20

Bone fixation kit Article PFBK12S

Products included	Size	Qty.
Stabilization kit		1
Latch type pilot drill, 1.2 mm		1
Self-tapping bone fixation screw	1.5 x 8 mm	2
	1.5 x 10 mm	4
	1.5 x 12 mm	4
	1.5 x 14 mm	2

Tenting kit Article PFTK12

Products included	Size	Qty.
Stabilization kit		1
Self-drilling tenting screw	1.5 x 3 mm	4
	1.5 x 4 mm	4
	1.5 x 5 mm	4

Individual components

Description	1 unit/box
Cruciform driver blade, 76 mm	PFDB
Cruciform driver blade, 56 mm	PFDB56
Contra angle blade, 24 mm	PFDBCA
Stainless steel driver handle	PFDH
Autoclavable storage tray	PFT
Latch type pilot drill, 1.2 mm	HGMBI1001

Stabilization kit includes

- Storage tray with screw organizer dial
- Stainless steel driver handle
- 76 mm cruciform driver blade
- 56 mm cruciform driver blade

Made in USA

Most commonly sold articles

Membrane fixation screws

Size	5 units/box
1.5 x 3 mm	**PFMF-5**
1.5 x 5 mm	PFMF5-5

Bone fixation screws

Size	1 unit/box	5 units/box
1.5 x 8 mm	PFB8	**PFB8-5**
1.5 x 10 mm	PFB10	PFB10-5
1.5 x 12 mm	PFB12	PFB12-5
1.5 x 14 mm	PFB14	PFB14-5

Tenting screws

Size	Special	1 unit/box	5 units/box
1.5 x 3 mm polished neck	+4 mm threaded portion	PFT3	**PFT3-5**
1.5 x 4 mm polished neck		PFT4	PFT4-5
1.5 x 5 mm polished neck		PFT5	PFT5-5
1.5 x 8 mm	Fully threaded	PFT8	n/a
1.5 x 10 mm	Fully threaded	PFT10	n/a

Master-Pin-Control (hybrid pin system)

Precision fixation system

Description	Size	Article no.
Master-Pin-Control kit	34 pins	**HGMBMP00**
	10 pins	HGMBMPBA

Individual components

Description	Size	Article no.
Master-Pin-Control replacement pins	10/pkg	**HGMMP10**
	50/pkg	HGMMP50
	100/pkg	HGMMP100
Master-Pin longer screwdriver		HGMMP15
Master-Pin-Control decortication bur		HGM203S-0120-RA

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