

stryker

Biologics

product catalog

Trauma & Extremities



Stryker's advantage

Stryker is one of the world's leading medical technology companies. In order to better partner with our customers, we made the decision to invest in the development of our biologics portfolio to bring a comprehensive solution to a variety of specialties, including orthopaedics, spine, sports medicine, and CMF.

Stryker continues to develop innovative technologies to enhance our spectrum of products, while collaborating with industry-leading tissue organizations to offer a robust portfolio of proprietary spinal grafts, viable bone matrices, demineralized bone matrix products, synthetic bone grafting substitutes, amniotic and dermal matrices, nerve products, and many more.

Our focus on actively bringing new and compelling products to our portfolio is guided by our commitment to both surgeon and patient needs, as well as a quality-first foundation. Stryker works with various health authorities and regulatory bodies, such as the U.S. Food and Drug Administration (FDA) and organizations like the American Association of Tissue Banks (AATB), to ensure our products meet the appropriate standards.

1. Bone grafting 3

Traditional allografts	4
Cancellous chips	4
Cancellous cubes	4
Cortical cancellous chips	5
Demineralized cancellous chips	5
Demineralized bone matrix (DBM)	6
AlloMatrix	6
Tensix	6
Putty	7
Putty Plus	7
Gel	7
Paste Plus	7
Cancellous sponge	8
Cubes	8
Fiber boat	8
FusionFlex	8
DBM Particulate	9
Cortical fibers	9
AlloFiber	9
Cellular allograft	10
BIO ⁴	10
Recombinant growth factors	10
Augment	10
Synthetic bone void fillers	11
HydroSet XT	11
Pro-Dense	11
Pro-Stim	11
OsteoSet	12
Vitoss	14
Procedural kits & accessories	16
X-Ream	16
Ignite	16
Cannulas & Needles	16
Osteolysis Procedure Kit	16
Extremity Procedure Kit	16
Core Decompression Kit	16

2. Autologous systems17

Bone marrow aspirate (BMA)	18
----------------------------------	----

3. Soft tissue 19

Acellular dermal allograft	20
GraftJacket NOW	20
Acellular dermal xenograft	21
ProLayer Xenograft	21
Amniotics	22
AlloWrap DS	22
ActiShield	22
BioSkin	23
ViaFlow	23

4. Cartilage repair 25

Osteochondral allograft	26
ProChondrix CR	26
Costal cartilage	26

5. Nerve repair 27

Connectors	28
NeuroMatrix	28
Neuroflex	28
Protectors	28
NeuroMend	28

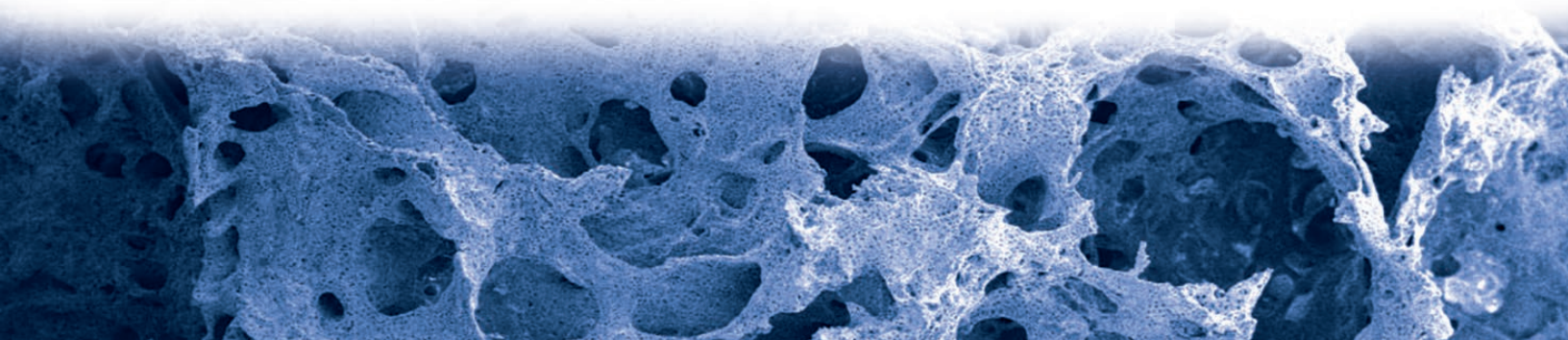
6. Structural allografts 29

Shafts	30
Struts	32
Wedges	33
AlloPure Foot & Ankle Wedges	34
Cross sections	35
Dowel	36
Heads	36

7. Large segmental and reconstructive graft ... 37

Without soft tissue	38
With soft tissue attachments	40

Bone grafting portfolio



Traditional allografts

Cancellous chips

1 - 4mm	Volume	Particle range	Freeze Dried	Frozen
	5cc	1mm - 4mm	3102-1505	3102-0505
	15cc	1mm - 4mm	3102-1515	3102-0515
	30cc	1mm - 4mm	3102-1530	3102-0530
	60cc	1mm - 4mm	3102-1560	
	90cc	1mm - 4mm	3102-1590	

1 - 9.5mm	Volume	Particle range	Freeze Dried
	15cc	1mm - 9.5mm	3102-0915
	30cc	1mm - 9.5mm	3102-0930
	50cc	1mm - 9.5mm	3102-0950

4 - 9.5mm	Volume	Particle range	Freeze Dried	Frozen
	5cc	4mm - 9.5mm	3102-1405	
	15cc	4mm - 9.5mm	3102-1415	3102-0415
	30cc	4mm - 9.5mm	3102-1430	3102-0430
	60cc	4mm - 9.5mm	3102-1460	
	90cc	4mm - 9.5mm	3102-1490	

Cancellous cubes

1 x 1 x 1cm	Volume	Size	Freeze Dried
	15cc	1 x 1 x 1cm	3102-0215
	30cc	1 x 1 x 1cm	3102-0230

Traditional allografts

Cortical cancellous chips

1 - 9.5mm	Volume	Particle range	Freeze Dried
	15cc	1mm - 9.5mm	3102-1915
	30cc	1mm - 9.5mm	3102-1930

Note: Volume ratio is 1:4 Cortical: Cancellous

Demineralized cancellous chips

1 - 9.5mm	Volume	Particle range	Freeze Dried
	15cc	1mm - 9.5mm	3102-0115
	30cc	1mm - 9.5mm	3102-0130

Demineralized bone matrix (DBM)

AlloMatrix

AlloMatrix is a combination of surgical-grade calcium sulfate, demineralized bone matrix (86% by volume), and a range of cancellous chip granules. This composition results in an osteoinductive biocomposite providing desirable handling characteristics and irrigation resilience.

Injectable Putty



Volume

Ambient

1cc

86000100

5cc

86000500

10cc

86001000

Bone Putty

with 1-4mm cancellous chips



Volume

Ambient

3cc

86DR0300

5cc

860C0500

10cc

860C1000

Custom

with 4-7mm cancellous chips



Volume

Ambient

5cc

86XC0500

10cc

86XC1000

Tensix

Tensix is a ready-to-use line of demineralized bone matrix (DBM) bone grafting putties available in a convenient pre-hydrated, ambient temperature stored package.

Putty



Volume

Ambient

1cc

PHG-01P

2.5cc

PHG-02P

5cc

PHG-05P

10cc

PHG-10P

Crush-mix

Volume

Ambient

2.5cc

PHG-02C

5cc

PHG-05C

10cc

PHG-10C

Demineralized bone matrix (DBM)

Stryker DBM

Demineralized Bone Matrix (DBM) is allograft bone that is combined with a polymer carrier to offer enhanced handling properties. It is available in multiple forms including gel, putty, putty plus cancellous chips, and paste plus cancellous chips, to allow graft selection to be tailored to the needs of a given patient.

Putty



Volume

Ambient

1cc	3102-1001
2.5cc	3102-1002
5cc	3102-1005
10cc	3102-1010

Putty Plus *

with cancellous chips



Volume

Ambient

5cc	3102-1205
10cc	3102-1210

Gel



Volume

Ambient

1cc	3102-1101
5cc	3102-1105
10cc	3102-1110

Paste Plus *

with cancellous chips



Volume

Ambient

1cc	3102-1301
3cc	3102-1303
8cc	3102-1308

* DBM putty plus and paste plus incorporate granulated cancellous chips.

Demineralized bone matrix (DBM)

Cancellous sponge

Cubes



Size

8 × 8 × 8mm
10 × 10 × 10mm
12 × 12 × 12mm
14 × 14 × 14mm

Freeze Dried

86080008
86080010
86080012
3102-1614

Fiber boat

Length × width

Thickness

Size

Volume

Ambient

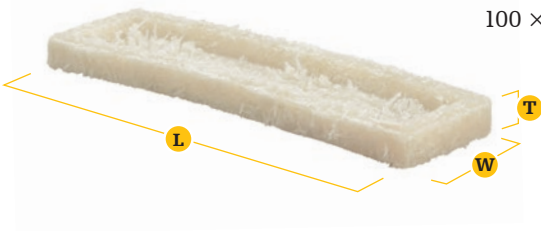
50 × 25mm
100 × 25mm

7mm
7mm

Small
Large

5cc
10cc

3102-1815
3102-1820



FusionFlex

FusionFlex is a dehydrated DBM sponge with flexible and resilient handling characteristics and strong hydrophilic absorption properties to support new bone formation with a flexible osteoconductive, osteoinductive scaffold sponge.¹

Strips

Length × width

Thickness

Pkg qty

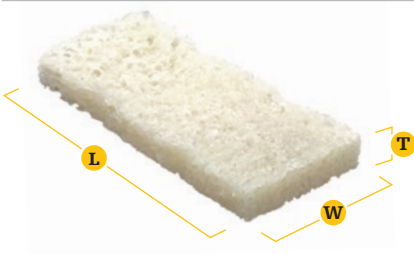
Freeze Dried

20 × 20mm
20 × 20mm
20 × 50mm
10 × 20mm
40 × 15mm
50 × 20mm

4mm
4mm
4mm
4mm
3 - 6mm
3 - 6mm

1
2
1
1
1
2

86082020
86082040
86082050
86081020
3102-1702
3102-1704



Demineralized bone matrix (DBM)

DBM Particulate



Volume

Particle size

Freeze Dried

3cc

125 - 710 microns

3102-0003

5cc

125 - 710 microns

3102-0005

10cc

125 - 710 microns

3102-0010

15cc

125 - 710 microns

3102-0015

30cc

125 - 710 microns

3102-0030

Cortical fibers



Volume

Ambient

1cc

3102-1401

5cc

3102-1402

10cc

3102-1403

AlloFiber

AlloFiber is comprised of freeze-dried cortical fibers and can be easily hydrated and mixed with autologous bone, bone marrow aspirate, blood, or saline. It is moldable and has a putty-like handling for packing bone voids and gaps.

AlloFiber



Volume

Ambient

1cc

86060010

2.5cc

86060025

5cc

86060050

10cc

86060100

Cellular allograft

BIO⁴

BIO⁴ is a unique allogenic viable bone matrix which contains a natural cancellous scaffold, endogenous viable cells, cortical bone and growth factors to support osteoconduction, osteoinduction, osteogenesis, and angiogenesis.²

BIO ⁴	Volume	Cryopreserved
Viable Bone Matrix 	1cc	3102-2101
	2.5cc	3102-2102
	5cc	3102-2105
	10cc	3102-2110

Recombinant growth factors

Augment

Augment is a synthetic bone graft substitute composed of beta-tricalcium phosphate and recombinant human platelet-derived growth factor BB.³ Augment is the **first** and **only** proven alternative to autograft in hindfoot and ankle arthrodesis. Augment was shown to eliminate the cost and morbidity of harvesting autograft, while providing equivalent improvements in clinical outcomes.^{4,5,6}

Augment Bone Graft	Volume	Refrigerated
rhPDGF-BB 	1.5cc	K20001510
	3.0cc	K20003010

Augment Injectable	Volume	Refrigerated
rhPDGF-BB 	1.5cc	K30001510
	3.0cc	K30003010

Synthetic bone void fillers

HydroSet XT

HydroSet XT is an injectable, self-setting calcium phosphate bone substitute. Following implantation, the formulation converts to hydroxyapatite, the principle mineral component of bone.

HydroSet XT	Volume	Ref #
Injectable HA graft 	3cc	897003
	5cc	897005
	10cc	897010
	15cc	897015

Pro-Dense

Pro-Dense is a combination of calcium sulfate and calcium phosphate which delivers predictable bone regeneration with its triphasic resorption profile for faster, denser bone regeneration, stronger new bone, and a graft that remodels to normal bone.⁷ Pro-Dense is a hardening synthetic bone graft substitute and can be applied in minimally invasive procedures.

Pro-Dense	Volume	Ref #
Injectable regenerative graft 	2cc	87SR0020
	5cc	87SR0050
	7cc	87SR0070
	10cc	87SR0100
	12cc	87SR0120
	15cc	87SR0150
	40cc	87SR0400*

* Typically ordered with 1200SYR0

Pro-Stim

Pro-Stim is a combination of calcium sulfate, calcium phosphate, and demineralized bone matrix (DBM). Pro-Stim provides an osteoinductive environment for an accelerated healing and remodeling process.⁸

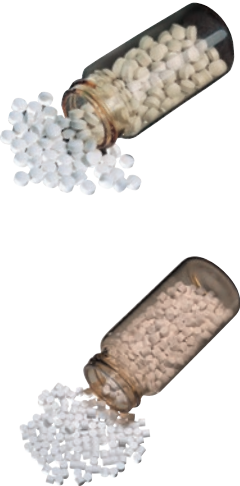
Pro-Stim	Volume	Ref #
Injectable inductive graft 	2cc	86SR0020
	5cc	86SR0050
	7cc	86SR0070
	10cc	86SR0100
	12cc	86SR0120
	15cc	86SR0150

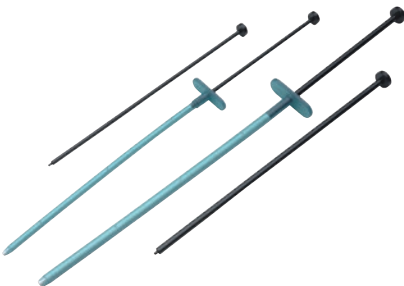
Synthetic bone void fillers

OsteoSet

OsteoSet is comprised of surgical grade calcium sulfate. OsteoSet Resorbable Bead Kit is easily prepared in the O.R. allowing surgical flexibility to support new bone regeneration by acting as a passive osteoconductive scaffold for native bone to remodel. OsteoSet is also available in pre-formed 3.0mm and 4.8mm pellets in a vial or pre-loaded into an injector to efficiently implant intraoperatively in minimally invasive applications.

Bead Kits		Bead size	Volume	Ref #
	Fast cure	3.0 / 4.8mm	5cc	84000611
		7mm	25cc	84000311
	Standard cure	3.0 / 4.8mm	5cc	84000511
		7mm	25cc	84000211

Vials, Pre-formed		Bead size	Volume	Ref #
	XR	4.8mm	2cc	84SR4V02
		4.8mm	5cc	84SR4V05
		4.8mm	10cc	84SR4V10
		4.8mm	20cc	84SR4820
	Standard	3.0mm	5cc	84000305
		3.0mm	10cc	84000310
		4.8mm	2cc	84000106
		4.8mm	5cc	84000104
		4.8mm	10cc	84000102
		4.8mm	20cc	84000101

Pellet Injector, Pre-loaded		Bead size	Volume	Ref #
	XR	3.0mm	1.25cc	84SR3001
		4.8mm	5cc	84SR4805
	Standard	3.0mm	1.25cc	87003012
		4.8mm	5cc	87004805

Synthetic bone void fillers

Vitoss overview

Vitoss is a highly porous beta-tricalcium phosphate (up to 90% porous) with clinical research demonstrating efficacy in a variety of anatomical locations.⁹ Vitoss can be hydrated with bone marrow aspirate (BMA), whole blood, or saline. It is available in a variety of forms including moldable pack, strip, and morsels, to be tailored to the needs of a given patient.

Vitoss glossary

Morsels

Vitoss Morsels and Blocks are an economical way to provide a quality synthetic product to a patients for large volume grafting applications.

Canister with Morsels

Vitoss Canisters offer the handling and delivery of Vitoss Morsels with the use of bone marrow aspirate or autogenous blood. It offers a closed system for efficient mixing, ease of use, and delivery.

Foam Pack

Vitoss foam pack is offered in four configurations which become malleable after hydration.

- **Standard:** Beta-tricalcium Phosphate and bovine collagen.
- **Bioactive (BA):** Beta-tricalcium Phosphate and bovine collagen with the addition of Bioactive Glass
- **Bioactive (BA2X):** Beta-tricalcium Phosphate and bovine collagen with the addition of Bioactive Glass. BA2X provides two times the amount of Bioactive Glass
- **Bioactive (BBTrauma):** Beta-tricalcium Phosphate and bovine collagen combined with Stryker's proprietary form of Bioactive Glass designed to offer an initial burst and sustained release of ionic constituents.

Foam Strip

Foam strip maintains its collagen shape upon hydration and is offered in a standard and Bioactive configuration.

- **Standard:** Beta-tricalcium Phosphate and bovine collagen.
- **Bioactive (BA):** Beta-tricalcium Phosphate and bovine collagen with the addition of Bioactive Glass

Specialty

Vitoss cups are synthetic bone graft implants that are designed to simplify the grafting process in reconstruction procedures. The shape is pre-contoured to help facilitate placement into the bony area and to provide graft containment.

Synthetic bone void fillers

Vitoss

Vitoss is a highly porous beta-tricalcium phosphate bone graft with clinical research demonstrating efficacy in a variety of anatomical locations.⁹ Vitoss can be hydrated with bone marrow aspirate, whole blood, or saline. It is available in a variety of forms including moldable pack, strip, and morsels.

Vitoss morsels and blocks	Description	Volume & size	Freeze Dried
	Macro morsels	15cc	2102-0020
	Macro morsels	30cc	2102-0021
	Macro morsels	300cc (10pk of 30cc)	2102-0131
	Blocks	10cc (9mm × 23mm)	2102-0006

Vitoss canisters	Description	Volume & size	Freeze Dried
	Micro canister	5cc	2102-0026
	Micro canister	10cc	2102-0027
	Micro canister	15cc	2102-0028
	Micro canister	30cc	2102-0029
	Standard canister	5cc	2102-0030
	Standard canister	10cc	2102-0031
	Standard canister	15cc	2102-0032
	Standard canister	30cc	2102-0033

Description	Grind size
Micro	1mm - 2mm
Standard	1mm - 4mm
Macro	4mm - 7mm

Synthetic bone void fillers

Foam pack



BBTrauma

Volume & size

Freeze Dried

1.2cc	2102-2201
2.5cc	2102-2202
5cc	2102-2205
10cc	2102-2210

BA2X

1.2cc	2102-2101
2.5cc	2102-2102
5cc	2102-2105
10cc	2102-2110

BA

1.2cc	2102-1601
2.5cc	2102-1602
5cc	2102-1605
10cc	2102-1610

Standard (non-bioactive)

1.2cc	2102-1401
2.5cc	2102-1402
5cc	2102-1405
10cc	2102-1410

Foam strip



BA

Volume & size

Freeze Dried

25 × 100 × 4mm	2102-1500
25 × 50 × 4mm	2102-1505
25 × 50 × 8mm	2102-1510
25 × 100 × 8mm	2102-1520

Standard (non-bioactive)

25 × 100 × 4mm	2102-1100
25 × 240 × 4mm	2102-1101
25 × 50 × 4mm	2102-1105
25 × 50 × 8mm	2102-1110
25 × 100 × 8mm	2102-1120

Foam cup



Vitoss Foam Cup

Volume & size

Freeze Dried

23cc, 56mm Diameter	2102-1056
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Procedural kits & accessories

Disposable and reusable instruments

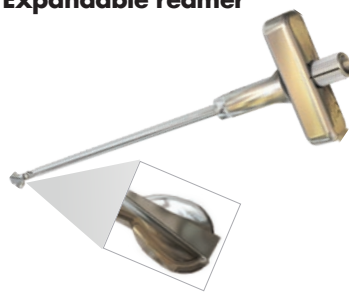
Procedural kits



Description	Volume	Ref #
Osteolysis Procedure Kit		84LK0000
Extremity Procedure Kit		PSCL0000
Pro-Dense Core Decompression Kit	15cc	87SRCDK0
Pro-Stim Core Decompression Kit	15cc	86SRCDK0

X-Ream

Expandable reamer



Description	Ref #
Expandable Reamer	1000KIT2
Expandable Reamer Blade	20BL1200

Ignite

Ignite includes calcium sulfate and demineralized bone matrix (DBM) combined with harvested bone marrow aspirate. The Ignite Power Mix kit includes all components necessary to harvest bone marrow and easily mix for a minimally invasive injection.

Ignite

Injectable repair graft



Description	Volume	Ref #
Mini Ignite Power Mix	4cc	876P0040
Ignite Power Mix	8cc	876P0080
	20cc	876P0200

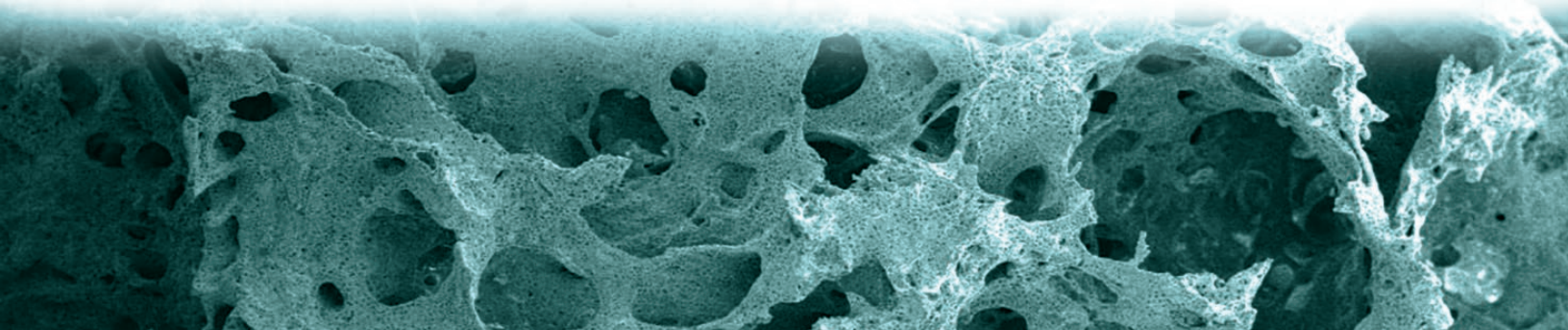
Accessories

Cannulas & Needles



Description	Pkg qty	Size	Ref #
HydroSet cannulas: Straight	10	10g × 10cm	397022
HydroSet cannulas: Straight	10	12g × 7.5cm	397024
HydroSet cannulas: Curved, 20cm radius	10	8g × 10cm	397028
Pro-Dense needle: Ported	1	8g × 25cm	12001200
Pro-Dense needle: Ported	1	8g × 10cm	12001208
Pro-Dense needle: Ported	1	11g × 6cm	12001211
Pro-Dense needle: Ported	1	16g × 5cm	12001216
Pro-Dense 40cc syringe kit & cannula:	1	9g × 7cm	1200SYR0

Autologous systems portfolio



Bone Marrow Aspiration

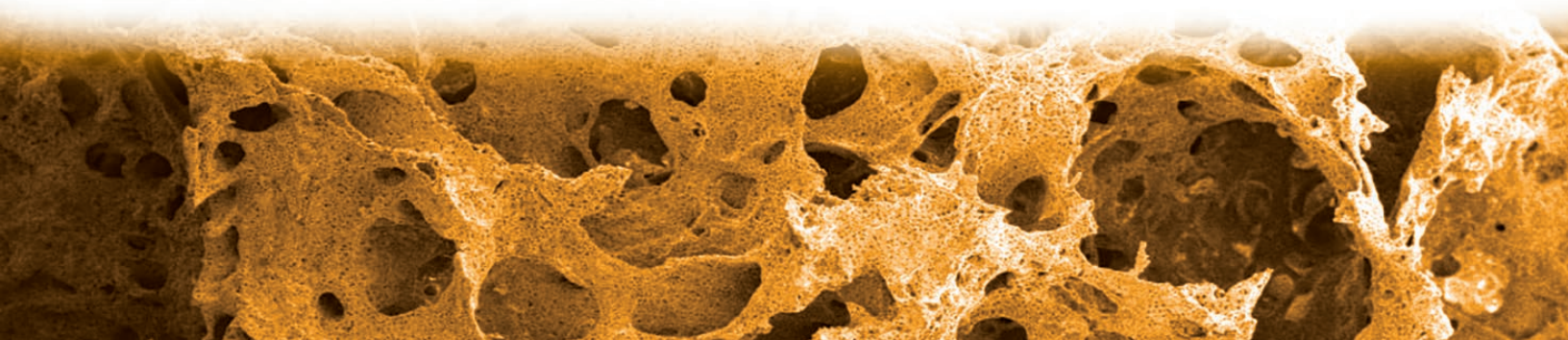
Imbibe

Imbibe is a system of disposable syringes and needles intended for use to aspirate bone marrow or autologous blood. The Imbibe bone marrow aspiration needles provide a minimally invasive way to harvest bone marrow. The graft delivery tools can be used to deliver Vitoss in a minimally invasive application.

Imbibe	Description	Volume & size	Ref #
	Bone marrow aspirate (BMA)		
	Imbibe needle	11g × 10cm	2090-9027
	Imbibe needle	11g × 15cm	2090-9028
	Imbibe needle	8g × 15cm	2090-9029
	Imbibe needle, fenestrated	8g × 15cm	2090-9030
	Imbibe needle	8g × 20cm	2090-9047
	Syringe	10cc	K01-08171
	Syringe	20cc	K01-08172
	Syringe	30cc	K01-08173

Progress	Description	Volume & size	Ref #
Bone marrow aspiration (BMA)	Progress BMA kit	20cc, 11g × 10cm	1200BMAK
	Progress ported needle	11g × 10cm	1200BMA1

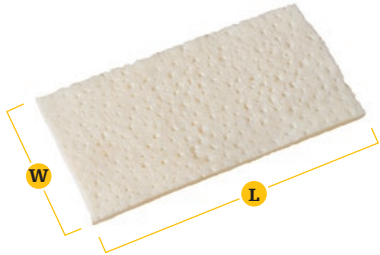
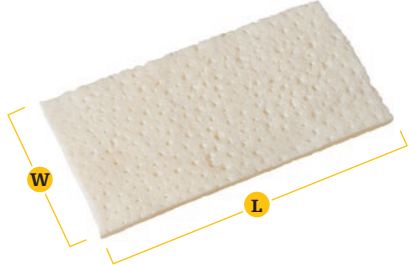
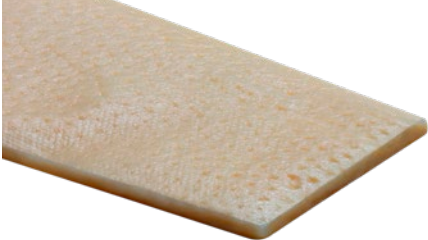
Soft tissue portfolio



Acellular dermal allograft

GraftJacket NOW

GraftJacket NOW is a human allograft acellular dermal matrix for use during soft tissue repair. It offers a strong, three-dimensional, collagen-rich matrix with preserved vascular channels to facilitate revascularization and graft incorporation, and comes prehydrated for ease of use. **GraftJacket NOW** can be used in a variety of soft tissue repair applications including wound coverage, tendon augmentation, and surgical closure.¹⁰

GraftJacket NOW	Width × length	Area	Ambient
Regenerative tissue matrix			
Thin (0.4 - 1.0mm Thickness)			
	2 × 4cm	8cm ²	86102X04
	4 × 4cm	16cm ²	86104X04
	4 × 8cm	32cm ²	86104X08
Thin (0.4 - 1.0mm Thickness); MESHED 1:1			
	5 × 5CM	25cm ²	861M5X05
	5 × 8CM	40cm ²	861M5X08
	8 × 16CM	128cm ²	861M8X16
Standard (1.0 - 2.0mm Thickness)			
	2 × 4cm	8cm ²	86202X04
	4 × 4cm	16cm ²	86204X04
	2 × 12cm	24cm ²	86202X12
	4 × 8cm	32cm ²	86204X08
	4 × 12cm	48cm ²	86204X12
	4 × 16cm	64cm ²	86204X16
	6 × 12cm	72cm ²	86206X12
	6 × 16cm	96cm ²	86206X16
	8 × 16cm	128cm ²	86208X16
Thick (2.0 - 3.3mm Thickness)			
	4 × 4cm	16cm ²	86304X04
	4 × 8cm	32cm ²	86304X08
	4 × 16cm	64cm ²	86304X16
	8 × 16cm	128cm ²	86308X16

Acellular dermal xenograft

ProLayer Xenograft

ProLayer Xenograft is an acellular, sterile porcine dermal matrix for use in the reconstruction of soft tissue deficiencies.

ProLayer Xenograft	Width × length	Area	Ambient
Porcine acellular dermis			
1.1mm +/- 0.5mm Thickness			
	2 × 5cm	10cm ²	3102-2125
	4 × 4cm	16cm ²	3102-2144
	4 × 7cm	28cm ²	3102-2147
	5 × 10cm	50cm ²	3102-2151

Amniotics

AlloWrap DS

AlloWrap DS is a human amniotic membrane allograft for use as a wound covering or as a physical barrier in a variety of surgical applications.

AlloWrap DS, Pre-hydrated	Width × length	Area	Ambient
Double-sided amnion 	2 × 2cm	4cm ²	3102-2002
	2 × 4cm	8cm ²	3102-2004
	4 × 4cm	16cm ²	3102-2006
	4 × 8cm	32cm ²	3102-2008

AlloWrap DS, Dried	Width × length	Area	Ambient
Double-sided amnion 	2 × 2cm	4cm ²	3102-2010
	2 × 4cm	8cm ²	3102-2012
	4 × 4cm	16cm ²	3102-2014
	4 × 8cm	32cm ²	3102-2016

ActiShield

ActiShield & ActiShield CF are dehydrated human amniotic membrane allografts used to cover and protect tissue, such as a wound covering or as a physical barrier in a variety of surgical applications.

ActiShield	Width × length	Area	Ambient
Chorion-based, thick 	2 × 4cm	8cm ²	AM202X04
	4 × 4cm	16cm ²	AM204X04
	4 × 8cm	32cm ²	AM204X08

ActiShield CF	Width × length	Area	Ambient
Chorion-free, thin	2 × 4cm	8cm ²	AM452X04
	4 × 4cm	16cm ²	AM454X04
	4 × 8cm	32cm ²	AM454X08

Amniotics

BioSkin

BioSkin is a dehydrated human amniotic membrane allograft used to cover and protect tissue in the management of acute and chronic wounds.

BioSkin	Width × length	Area	Ambient
Amniotic wound matrix	2 × 2cm	4cm ²	WA202X02
	2 × 3cm	6cm ²	WA202X03
	2 × 4cm	8cm ²	WA202X04
	4 × 4cm	16cm ²	WA204X04
	DISC 15mm	1.77cm ²	WA20D015



ViaFlow

ViaFlow & **ViaFlow C** are flowable placental tissue matrices for use in a variety of surgical applications to supplement or replace damaged or inadequate connective tissue.

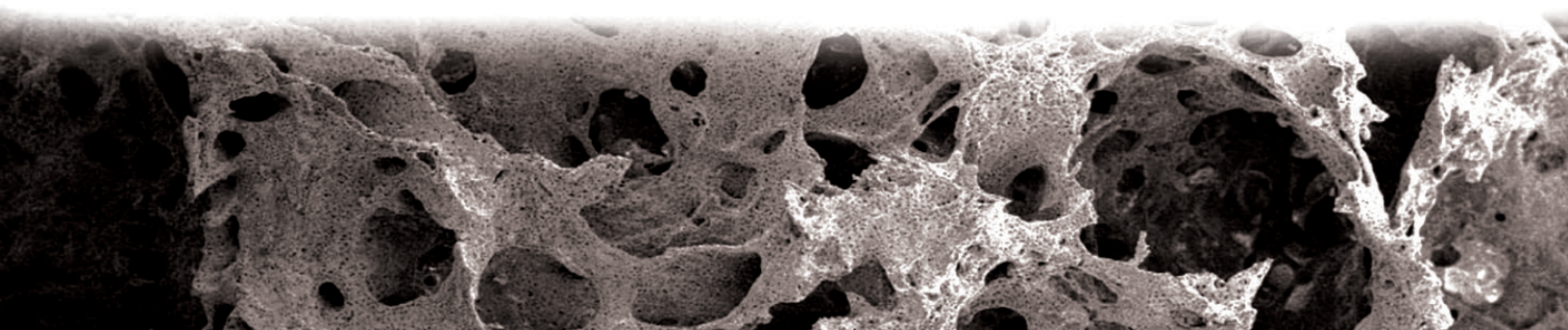
ViaFlow	Volume	Ambient
Flowable placental tissue matrix	0.5cc	AMAF0005
	1cc	AMAF0010
	2cc	AMAF0020



ViaFlow C	Volume	Cryopreserved
Flowable placental tissue matrix, Cryopreserved	1cc	AMCF0010

Cartilage repair

portfolio



Cartilage allograft

ProChondrix CR

ProChondrix CR is a cryopreserved, viable hyaline cartilage allograft that contains live cells and other biological components for the repair of damaged articular cartilage.^{11,12} Disposable instrumentation and sizers are available to assist with appropriately sizing the cartilage defect and assisting in site preparation prior to implantation of the ProChondrix CR graft.

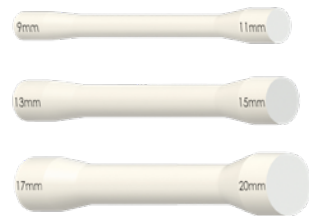
ProChondrix CR	Diameter	Cryopreserved
Osteochondral allograft	11mm	3102-2711CR
	13mm	3102-2713CR
	15mm	3102-2715CR
	17mm	3102-2717CR
	20mm	3102-2720CR



ProChondrix CR	Size	Ref #
Instrumentation		
Disposable instrument kit	11mm	58160-11
	13mm	58160-13
	15mm	58160-15
	17mm	58160-17
	20mm	58160-20



Sizer set	One kit	
	7 - 20mm, 2-3mm increments	58161-01

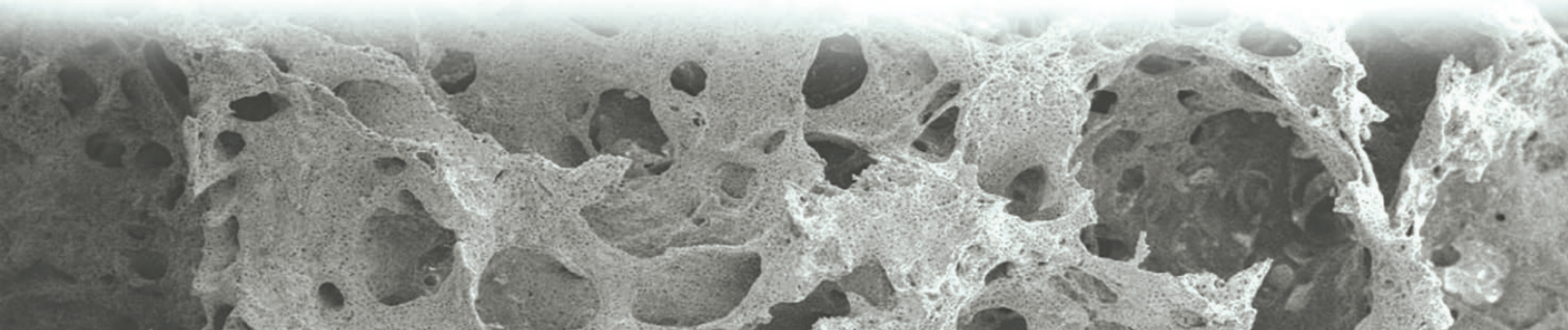


Costal cartilage

Costal cartilage	Length	Width	Saline
	2.0-5.9cm	> 1.0cm	3102-2701
	≥ 6cm	> 1.0cm	3102-2702

Nerve repair

portfolio



Nerve repair portfolio

Connectors

NeuroMatrix and Neuroflex are resorbable bovine collagen nerve conduits used for the repair of peripheral nerve injuries. Neuroflex is designed with corrugated sides to allow for additional flexibility and has been shown to bend approximately 60 degrees without forming an occlusion.¹³

NeuroMatrix	Inner diameter	Length	Ambient
Collagen nerve conduit	2.0mm	2.5cm	CNC2025
	2.5mm	2.5cm	CNC2525
	3.0mm	2.5cm	CNC3025
	4.0mm	2.5cm	CNC4025
	5.0mm	2.5cm	CNC5025
	6.0mm	2.5cm	CNC6025



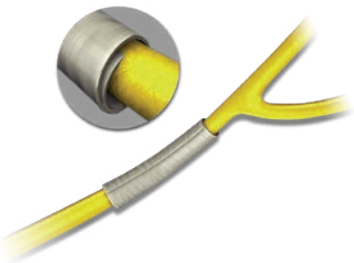
Neuroflex	Inner diameter	Length	Ambient
Collagen nerve conduit	2.0mm	2.5cm	CNCF2025
	2.5mm	2.5cm	CNCF2525
	3.0mm	2.5cm	CNCF3025
	4.0mm	2.5cm	CNCF4025
	5.0mm	2.5cm	CNCF5025
	6.0mm	2.5cm	CNCF6025



Protectors

NeuroMend is a resorbable bovine collagen nerve wrap for the management of peripheral nerve injuries where there has been no substantial loss of nerve tissue.

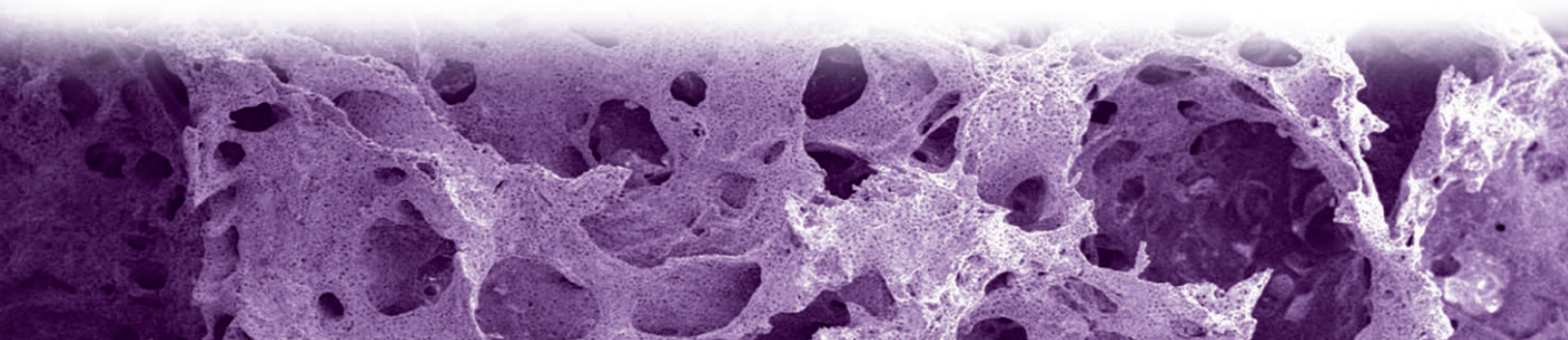
NeuroMend	Wrap size	Length	Diameter of injured nerve	Ambient
Collagen nerve wrap	4.0mm	2.5cm	2.0 - 3.0mm* 4.0mm max (no overlap)	CNW4025
	4.0mm	5.0cm	2.0 - 3.0mm* 4.0mm max (no overlap)	CNW4050
	6.0mm	2.5cm	3.0 - 4.5mm* 6.0mm max (no overlap)	CNW6025
	6.0mm	5.0cm	3.0 - 4.5mm* 6.0mm max (no overlap)	CNW6050
	12.0mm	2.5cm	6.0 - 9.0mm* 12.0mm max (no overlap)	CNW12025
	12.0mm	5.0cm	6.0 - 9.0mm* 12.0mm max (no overlap)	CNW12050



* 25% overlap is recommended - the max diameter requires the wrap to meet end-to-end which may require a running suture technique.

Structural allografts

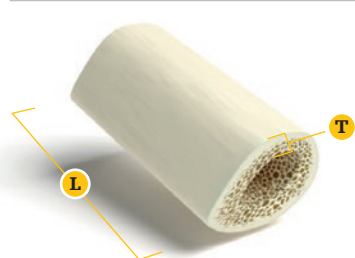
portfolio



Structural allografts

Shafts

Femoral shafts



Length

26 - 50mm
51 - 159mm
160 - 209mm
≥ 210mm

Thickness

> 3mm
> 3mm
> 3mm
> 3mm

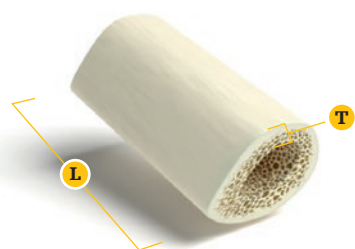
Freeze Dried

3102-4250
3102-4251
3102-4252
3102-4253

Frozen

3102-4254
3102-4255
3102-4256
3102-4257

Tibial shafts



Length

< 160mm
≥ 160mm

Thickness

> 2mm
> 2mm

Freeze Dried

3102-4270

Frozen

3102-4268
3102-4269

Fibular shafts



Length

26 - 50mm
51 - 100mm
101 - 159mm
> 160mm

Thickness

> 1mm
> 1mm
> 1mm
> 1mm

Freeze Dried

3102-4258
3102-4259
3102-4260
3102-4261

Frozen

3102-4262
3102-4263
3102-4264
3102-4265

Structural allografts

Humeral shafts

Length

≥ 160mm

Thickness

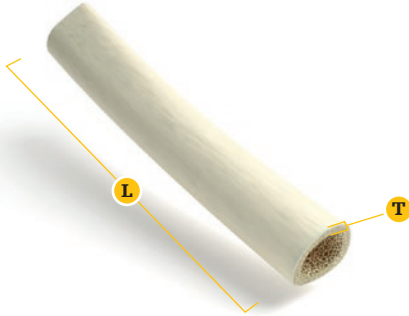
> 2mm

Freeze Dried

3102-4266

Frozen

3102-4267



Ulnar shafts

Length

26 - 50mm

51 - 100mm

101 - 159mm

Thickness

> 2mm

> 2mm

> 2mm

Freeze Dried

3102-4271

3102-4272

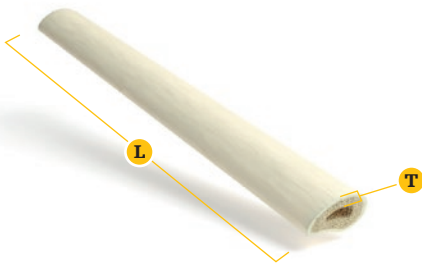
3102-4273

Frozen

3102-4274

3102-4275

3102-4276



Radius shafts

Length

26 - 50mm

51 - 100mm

101 - 159mm

Thickness

> 2mm

> 2mm

> 2mm

Freeze Dried

3102-4277

3102-4278

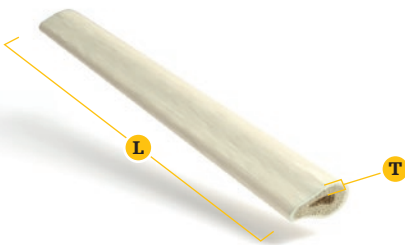
3102-4279

Frozen

3102-4280

3102-4281

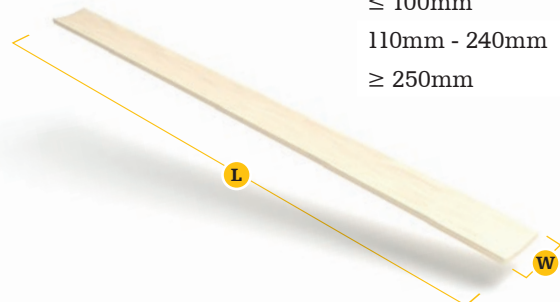
3102-4282



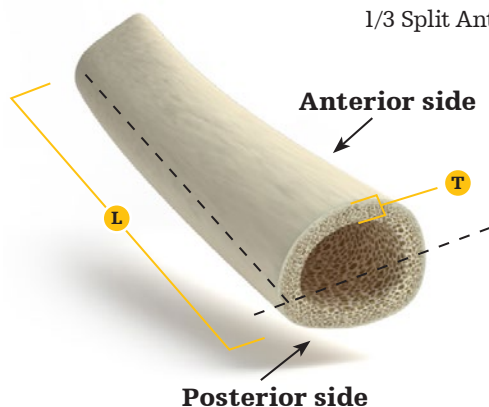
Structural allografts

Struts

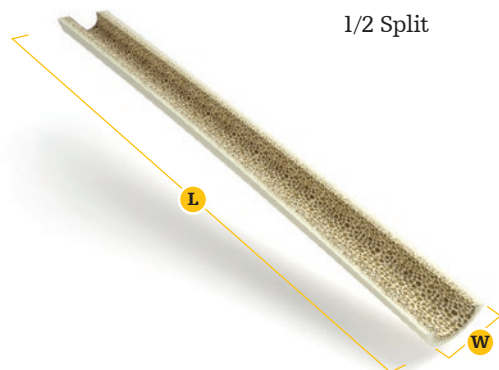
Cortical struts	Length	Width	Thickness	Freeze Dried	Frozen
	≤ 100mm	≥ 10mm	≥ 2mm	3102-6031	3102-6034
	110mm - 240mm	≥ 20mm	≥ 2mm	3102-6032	3102-6035
	≥ 250mm	≥ 20mm	≥ 2mm	3102-6033	3102-6036



Femoral struts	Configuration	Length	Thickness	Freeze Dried	Frozen
	1/2 Split	≤ 209mm	> 3mm	3102-6001	3102-6003
	1/2 Split	≥ 210mm	> 3mm	3102-6002	3102-6004
	1/3 Split Anterior	≤ 209mm	> 3mm	3102-6011	3102-6013
	1/3 Split Anterior	≥ 210mm	> 3mm	3102-6012	3102-6014

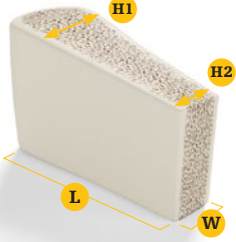


Tibial struts	Configuration	Length	Thickness	Freeze Dried	Frozen
	1/2 Split	< 210mm	> 3mm	3102-6021	3102-6023
	1/2 Split	≥ 210mm	> 3mm	3102-6022	3102-6024

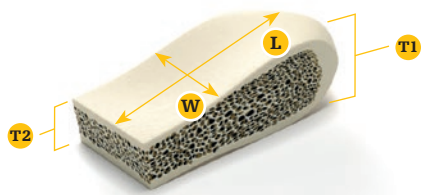


Structural allografts

Wedges

Tricortical Blocks	Height 1	Height 2	Width	Length	Freeze Dried
	8-12mm	6-12mm	18-25mm	>20mm	OP101020
	13-19mm	8-19mm	>18mm	>20mm	OP101022
	>19mm	>16mm	>18mm	>20mm	OP101024

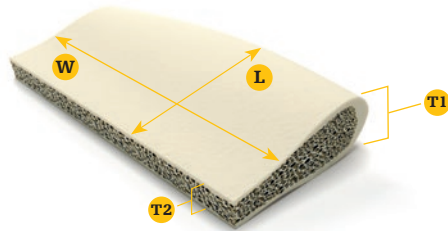
Tricortical ilium wedges (ICW)



Width	Freeze Dried	Frozen
≤ 8mm	3102-7008	3102-7108
9mm - 13mm	3102-7013	3102-7113
14mm - 16mm	3102-7016	3102-7116
17mm - 19mm	3102-7019	3102-7119
20mm - 22mm	3102-7022	3102-7122
≥ 23mm	3102-7023	3102-7123

Note: T1= ≥7mm T2= ≥7mm L= ≥25mm

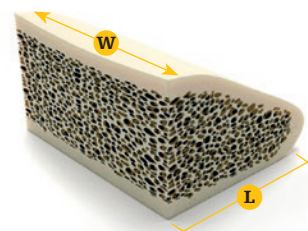
Tricortical ilium strips



Width	Length	Freeze Dried	Frozen
≥ 50mm	≥ 20mm	3102-4311	3102-4312

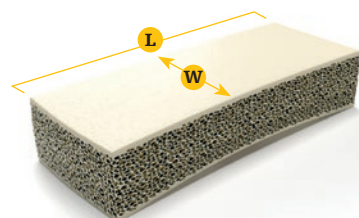
Note: T1= ≥7mm T2= ≥5mm

Patellar wedges



Width	Length	Freeze Dried
10 - 16mm	≥ 20mm	3102-8016
≥ 17mm	≥ 20mm	3102-8017

Bicortical ilium block

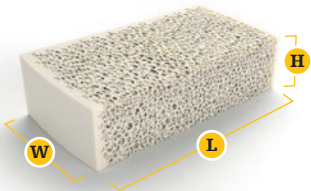


Width	Length	Freeze Dried
10-30mm	20 - 40mm	3102-4313
10-30mm	41 - 65mm	3102-4314

Structural allografts

AlloPure Foot & Ankle Wedges

AlloPure bicortical wedges are allograft bone wedges that provide foot and ankle surgeons the simplicity of a ready-to-use, sterile, off the shelf wedge for open osteotomies.

F&A Cotton wedge	Height 1	Height 2	Width	Length	Freeze Dried
	6mm	2.5mm	14mm	24mm	86660006

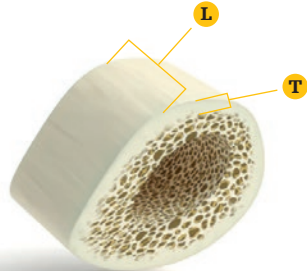
F&A Evans wedges	Height 1	Height 2	Width	Length	Freeze Dried
	8mm	3.5mm	22mm	20mm	86660800
	8mm	3.5mm	22mm	20mm	86660800
	10mm	5.5mm	22mm	20mm	86661000
	12mm	7.5mm	22mm	20mm	86661200

Wedge trials	Height	Width	Length	Ref #
	6mm	12mm	22mm	705760
	8mm	12mm	22mm	705761
	10mm	12mm	22mm	705762
	12mm	12mm	22mm	705763

Structural allografts

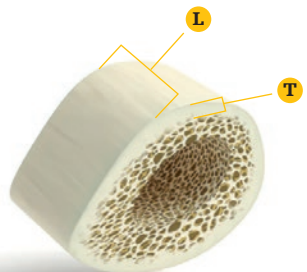
Cross sections

Femoral rings



Length	Thickness	Freeze Dried
11mm	> 4mm	3102-4011
12mm	> 4mm	3102-4012
13mm	> 4mm	3102-4013
14mm	> 4mm	3102-4014
15mm	> 4mm	3102-4015
16mm	> 4mm	3102-4016
17mm	> 4mm	3102-4017
18mm	> 4mm	3102-4018
19mm	> 4mm	3102-4019
20mm	> 4mm	3102-4020
21mm	> 4mm	3102-4021
23mm	> 4mm	3102-4023
24mm	> 4mm	3102-4024

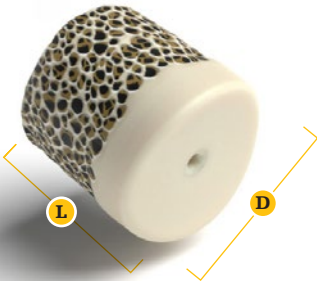
Fibular rings

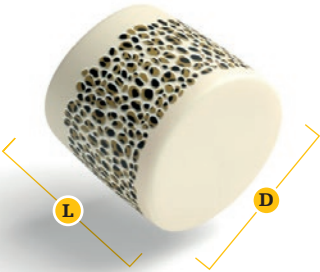


Length	Thickness	Freeze Dried
5 - 5.5mm	> 2mm	3102-4105
6 - 6.5mm	> 2mm	3102-4106
7 - 7.5mm	> 2mm	3102-4107
8 - 8.5mm	> 2mm	3102-4108
9 - 9.5mm	> 2mm	3102-4109
11 - 11.5mm	> 2mm	3102-4111
12 - 12.5mm	> 2mm	3102-4112
13 - 13.5mm	> 2mm	3102-4113
14 - 14.5mm	> 2mm	3102-4114
15 - 15.5mm	> 2mm	3102-4115
16 - 16.5mm	> 2mm	3102-4116
17 - 17.5mm	> 2mm	3102-4117
18 - 18.5mm	> 2mm	3102-4118
19 - 19.5mm	> 2mm	3102-4119
20 - 20.5mm	> 2mm	3102-4120
21 - 21.5mm	> 2mm	3102-4121
22 - 22.5mm	> 2mm	3102-4122
23 - 23.5mm	> 2mm	3102-4123
24 - 24.5mm	> 2mm	3102-4124
25 - 25.5mm	> 2mm	3102-4125

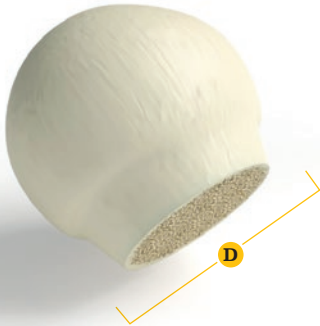
Structural allografts

Dowel

Unicortical dowels w/o cartilage	Length	Diameter	Freeze Dried
	≥ 20mm	11mm	3102-5011
	≥ 15mm	12mm	3102-5012
	≥ 15mm	13mm	3102-5013
	≥ 15mm	14mm	3102-5014
	≥ 15mm	16mm	3102-5016
	≥ 15mm	18mm	3102-5018
	≥ 15mm	20mm	3102-5020

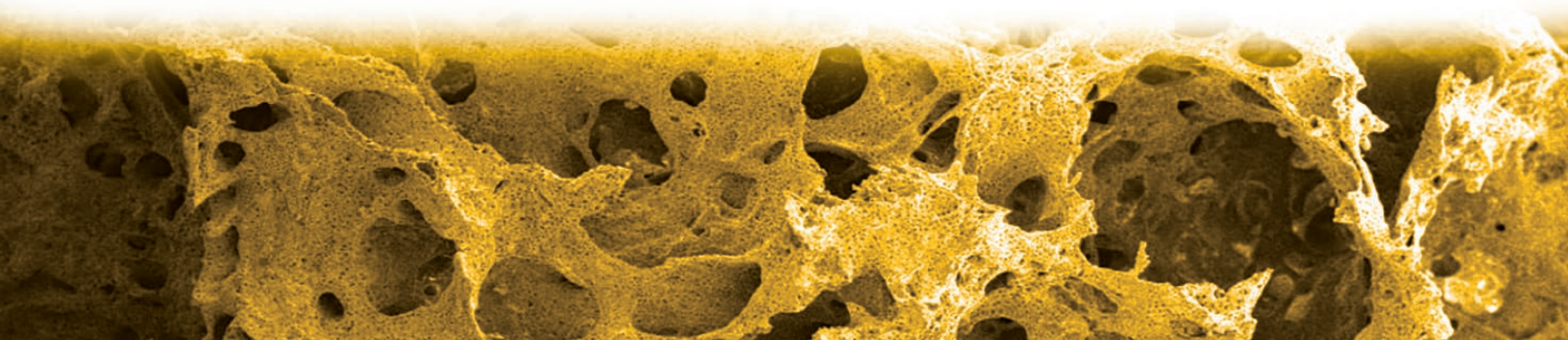
Bicortical iliac dowel	Length	Diameter	Freeze Dried
	≥ 8mm	≥ 11mm	3102-5008

Heads

Femoral heads w/o cartilage	Diameter	Frozen
	≤ 47mm	3102-5001
	≥ 48mm	3102-5002

Large segmental and reconstructive graft

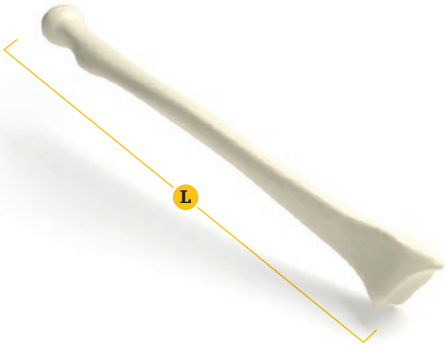
portfolio

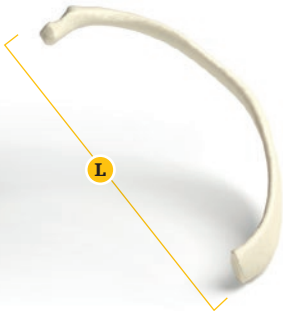


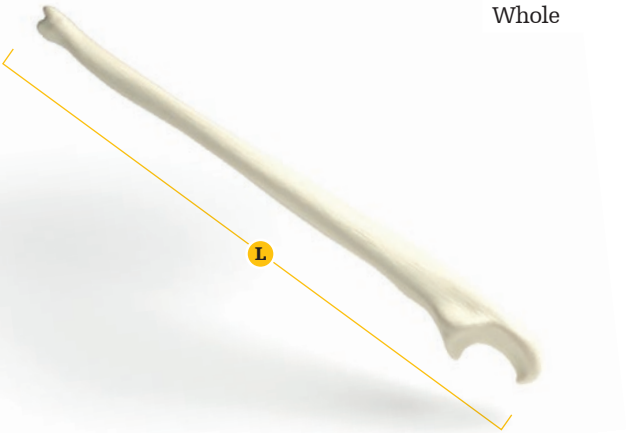
Large segmental and reconstructive graft portfolio

Large segmental and reconstructive grafts

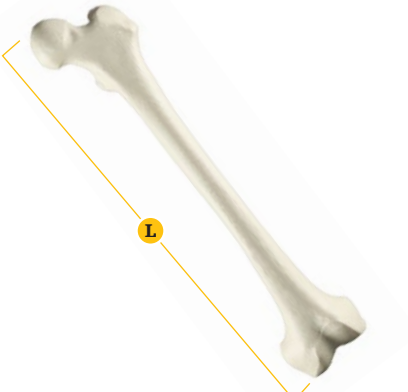
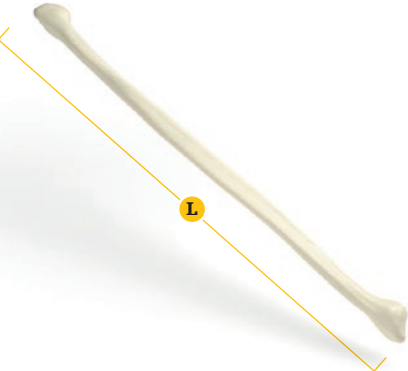
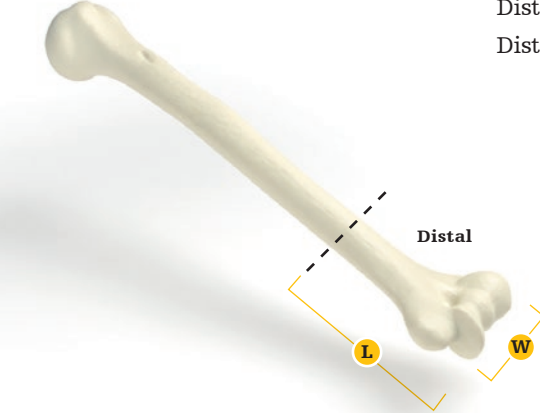
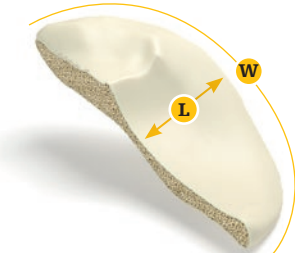
Without soft tissue

Radius	Description	Side	Frozen
	Whole	Right	4102-1006
	Whole	Left	4102-1007

Rib	Description	Side	Freeze Dried	Frozen
	Whole	≥ 40mm	4102-1008	4102-1009

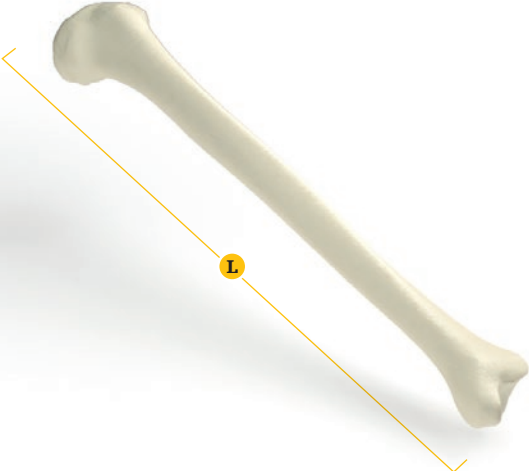
Ulna	Description	Side	Frozen
	Whole	Right	4102-1010
	Whole	Left	4102-1011

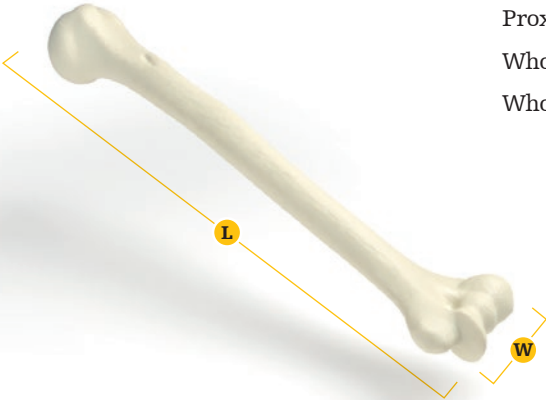
Large segmental and reconstructive grafts

	Femur		Description	Side	Length	Frozen
			Distal	Right	> 100mm	4102-1014
			Distal	Left	> 100mm	4102-1015
			Proximal w/ head	Right	> 100mm	4102-1016
			Proximal w/ head	Left	> 100mm	4102-1017
			Proximal w/o head	Right	> 100mm	4102-1018
		Proximal w/o head	Left	> 100mm	4102-1019	
	Fibula		Description	Side	Frozen	
			Whole	Right	4102-1002	
			Whole	Left	4102-1003	
	Humerus		Description	Side	Length	Frozen
			Distal	Right	> 100mm	4102-1012
			Distal	Left	> 100mm	4102-1013
	Ilium		Description	Side	Freeze Dried	Frozen
			Hemi	Right		3102-4211
			Hemi	Left		3102-4212
	Description	Length	Width	Freeze Dried	Frozen	
	◀ Segment 1/3	25mm	45-85mm	3102-4201	3102-4202	

Large segmental and reconstructive grafts

With soft tissue attachments

Tibia	Description	Side	Frozen
	Proximal w/ patella w/ quadricep	Right	4102-1024
	Proximal w/ patella w/ quadricep	Left	4102-1025
	Proximal w/ tuberosity	Right	4102-1026
	Proximal w/ tuberosity	Left	4102-1027
	Whole w/ tuberosity	Right	4102-1022
	Whole w/ tuberosity	Left	4102-1023

Humerus	Description	Side	Length	Frozen
	Proximal w/ rotator cuff	Right	> 100mm	4102-1020
	Proximal w/ rotator cuff	Left	> 100mm	4102-1021
	Whole w/ rotator cuff	Right	> 100mm	4102-1004
	Whole w/ rotator cuff	Left	> 100mm	4102-1005

Notes:

Notes:

Notes:

References:

1. Data on file
2. BIO⁴ Technical Summary_ AGFT-BR-1
3. Augment Injectable Instructions for Use
4. DiGiovanni C, et al. Recombinant human platelet-derived growth factor-BB and beta-tricalcium phosphate (rhPDGF-BB/ β -TCP): an alternative to autogenous bone graft. *J Bone Joint Surg Am* (2013). 95(13): 1184-92.
5. Daniels TR, et al. Prospective randomized controlled trial of hindfoot and ankle fusions treated with rhPDGF-BB in combination with a β -TCP collagen matrix. *FAI* (2015). 36(7):739-48.
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7. All claims based on a critically sized canine proximal humerus defect model. It is unknown how results from the canine model compare with clinical results in humans. Data on file at Stryker.
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9. Vitoss bibliography_ 5701-0002
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12. ProChondrix CR Package Insert M1S2662.01
13. Li St., Yuen D., Jenssen JR., A semipermeable, Kink Resistant Type I Collagen-based Nerve Guide for PNS Repair. Collagen Matrix, Inc. 2003. U.S. Patent #6,716,225, Implant Devices for Nerve Repair, 2004.

Trauma & Extremities

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