



Neuro Closure

C A T A L O G



Codman
a *Johnson & Johnson* company

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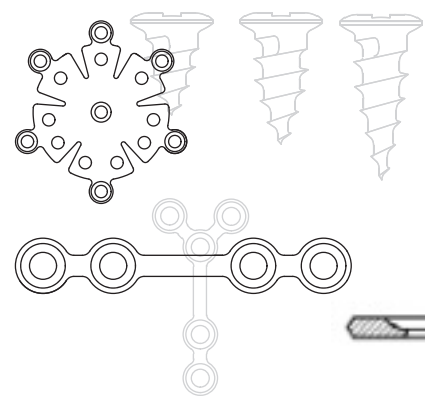
CRANIAL PLATING

Now its your choice...

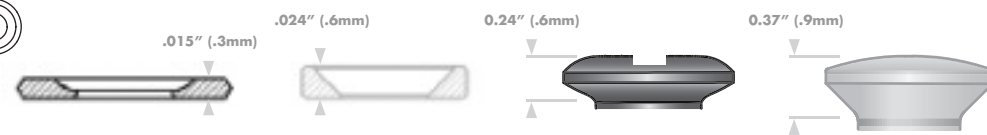
From simple to complex cranial repair and reconstruction, Codman offers a full range of plating products to meet the specific needs of neurosurgery:

LOW PROFILE MINI PLATES & SCREWS

When a low profile construct with reduced palpability is desired without compromising fixation strength.

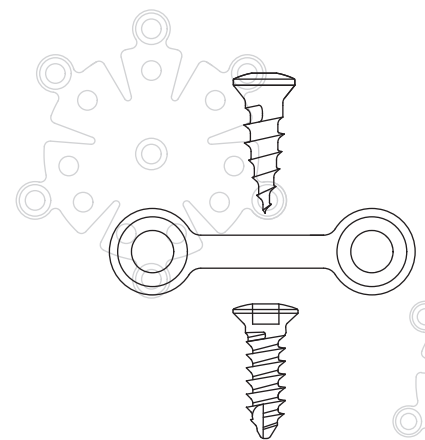


- Made from an advanced titanium alloy, utilizing state-of-the-art manufacturing to deliver strong, malleable yet low profile plates (h=0.3mm) and screws (h=0.6mm)
- All low profile plating as well as 1MC, 2MC and 3MC BIOMESH™ products are optimized for use with low profile self-drilling screws
- Available in the 1.5mm size

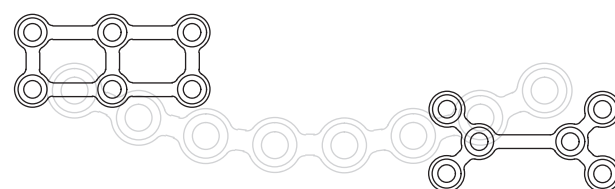


STANDARD PROFILE MINI PLATES & SCREWS

Premium quality implants for reliable rigid cranial fixation.



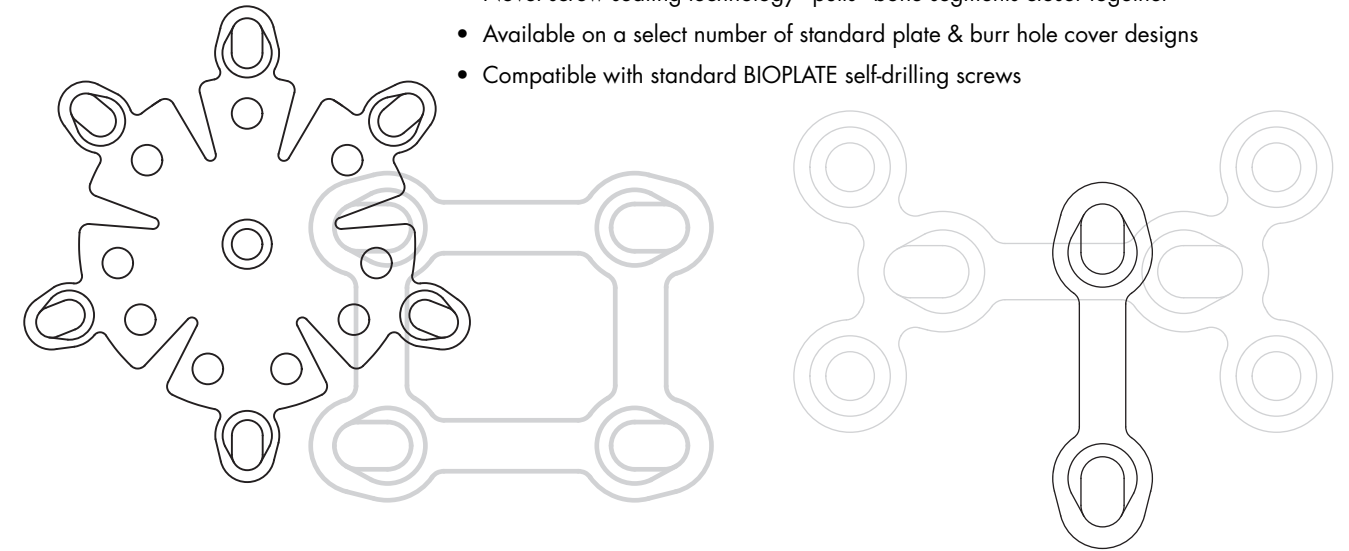
- A full selection of self-drilling, tapping and emergency screws, plates and burr hole covers to answer the needs of neurosurgeons, for simple or complex cranial closure
- Made from commercially pure titanium and titanium alloy for a balance of strength and malleability
- Engineered screw point & thread design to speed insertion
- Available in 1.5mm and 1.9mm sizes



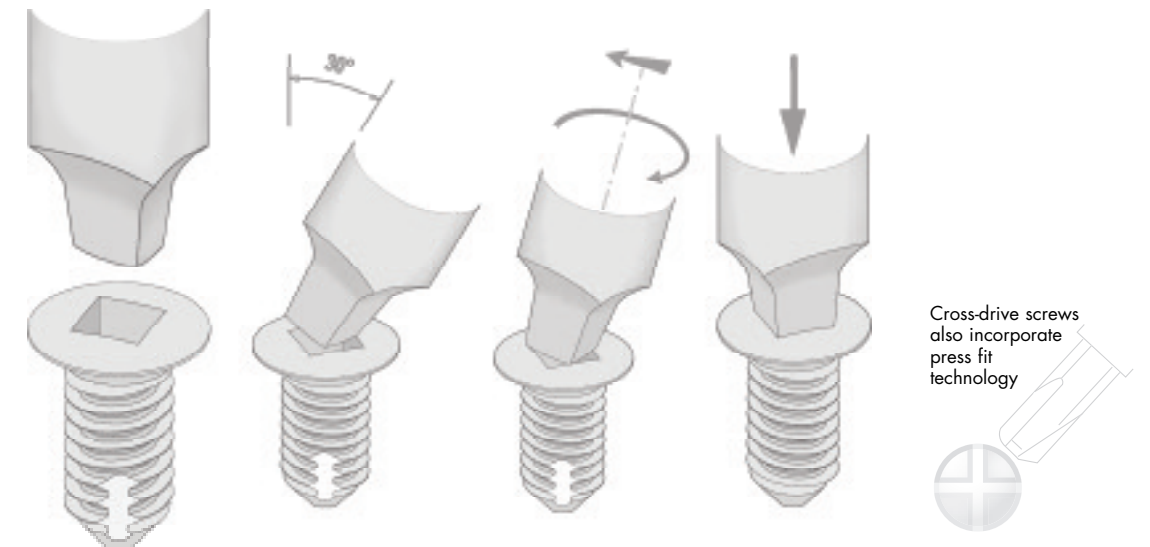
COMPRESSION MINI PLATES -

Engineered to improve osteointegration and cosmesis.

- Novel screw seating technology "pulls" bone segments closer together
- Available on a select number of standard plate & burr hole cover designs
- Compatible with standard BIOPLATE self-drilling screws



All BIOPLATE Neurosurgery systems utilize BIOPLATE's "press fit" technology for secure screw & blade engagement



Cross-drive screws also incorporate press fit technology

Combined with the new VELOCITY II POWERSCREWDRIVER™, BIOMESH™, ZIP CFS and the TOTAL SOLUTION CONTAINER, Codman now delivers a compact, complete and customizable cranial closure solution.

LOW PROFILE SCREWS Composition: Titanium Alloy

		Description	Product Code / Length
	Self-Drilling Screw		1.5mm
			81-5743 3mm long/1pkg
			81-5740 3mm long/5pkg
			81-5744 4mm long/1pkg
			81-5741 4mm long/5pkg
			81-5746 4mm long/50pkg
			81-5745 5mm long/1pkg
	81-5742 5mm long/5pkg		

CRANIAL FIXATION - LOW PROFILE MINI PLATES Composition: Titanium Alloy

		Description	Product Code / Length
	Straight Plate 2 hole		1.5mm
			81-5721 11mm (1/pack)
			81-5722 11mm (5/pack)
	81-5723 14mm (1/pack)		
	Straight Plate 4 hole	81-5724 19mm	
	Y Plate 5 hole	81-5725 18mm	


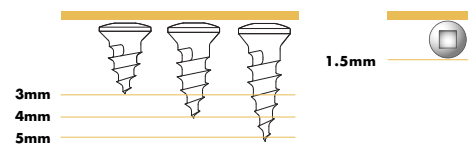
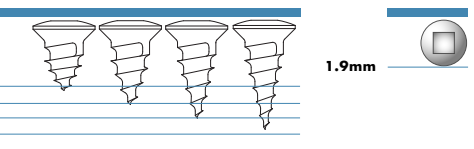
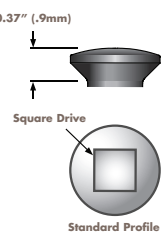
LOW PROFILE MINI PLATES Composition: Titanium Alloy

		Description	Product Code / Length	
	X Plate 6 hole		1.5mm	
			81-5726 17mm	
			T Plate 5 hole	81-5727 15mm
			Boxcar Plate 4 hole	81-5728 10 x 10mm
			6 hole	81-5729 6 x 17mm
			8 hole	81-5730 10 x 24mm
			Burr Hole Cover 6 hole	81-5734 12mm
			Contoured Burr Hole Cover	81-5733 18mm

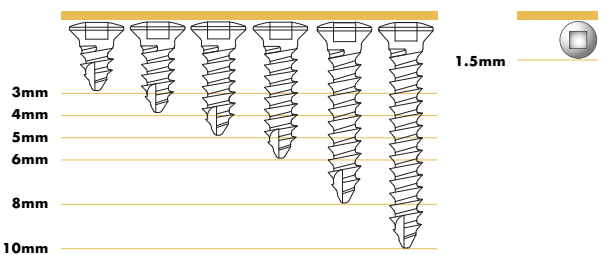
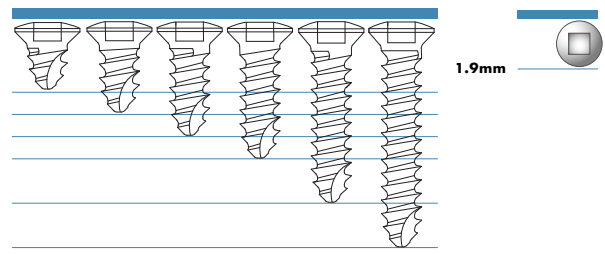
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STANDARD PROFILE SCREWS Composition: Titanium Alloy

Description	Product Code / Length		
	1.5mm	1.9mm	
    Self-Drilling Screw	81-2065 3mm long/1pkg 81-2071 3mm long/5pkg 81-2066 4mm long/1pkg 81-2072 4mm long/5pkg 81-2079 4mm long/50pkg 81-2067 5mm long/1pkg 81-2073 5mm long/5pkg 81-2081 5mm long/50pkg	81-2068 3mm long/1pkg 81-2075 3mm long/5pkg 81-2069 4mm long/1pkg 81-2076 4mm long/5pkg 81-2080 4mm long/50pkg 81-2070 5mm long/1pkg 81-2077 5mm long/5pkg 81-2078 6mm long/5pkg	
	81-3164 4.5mm long/5pkg 81-3165 4.5mm long/1pkg	81-3019 4.5mm long/1pkg 81-2036 4.5mm long/5pkg 81-3304* 4.5mm long/50pkg	
	Bio-100 Screw (Self Tapping)		


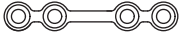


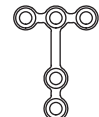
STANDARD PROFILE SCREWS Composition: Titanium Alloy

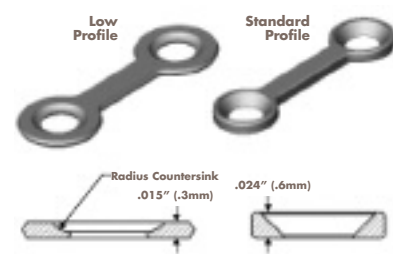
Description	Product Code / Length		
	1.5mm	1.9mm	
  Self-Tapping Screw	81-3011 3mm long/1pkg 81-2011 3mm long/5pkg 81-3012 4mm long/1pkg 81-2012 4mm long/5pkg 81-3300* 4mm long/50pkg 81-3013 5mm long/1pkg 81-2013 5mm long/5pkg 81-3014 6mm long/1pkg 81-2014 6mm long/5pkg 81-3015 8mm long/1pkg 81-2015 8mm long/5pkg 81-3016 10mm long/1pkg 81-2016 10mm long/5pkg	81-3049 3mm long/1pkg 81-3037 3mm long/5pkg 81-3050 4mm long/1pkg 81-3038 4mm long/5pkg 81-3051 5mm long/1pkg 81-3039 5mm long/5pkg 81-3052 6mm long/1pkg 81-3040 6mm long/5pkg 81-3053 8mm long/1pkg 81-3041 8mm long/5pkg 81-3054 10mm long/1pkg 81-3042 10mm long/5pkg	
	81-3017 6mm long/1pkg 81-2017 6mm long/5pkg	81-3055 5mm long/1pkg 81-3043 5mm long/5pkg	
	Emergency Screw		

*Contact your local representative for information on availability of larger quantity packaging.
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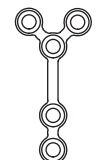

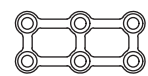
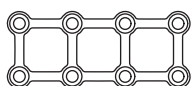

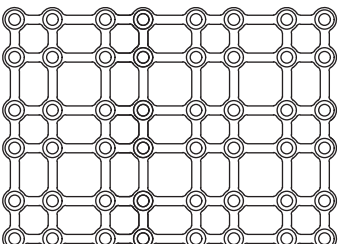
STANDARD PROFILE MINI PLATES Composition: Titanium

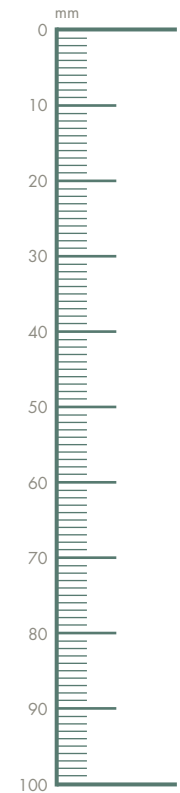
Description	Product Code / Length	
	1.5mm	1.9mm
 Straight Plate 2 hole	81-2000 11mm (5/pack)	81-3027 12mm (5/pack)
	81-3018 11mm (1/pack)	81-3048 12mm (1/pack)
	81-3131 14mm (1/pack)	
	81-3135 14mm (5pack)	
	81-3302* 14mm (50/pack)	
 Straight Plate 4 hole	81-2001 19mm	81-3028 20mm
 Straight Plate 16 hole	81-3060 63mm	81-3161 86mm
 Bio-100 Plate 2 hole		81-3020 15mm (1/pack)
		81-2037 15mm (5/pack)
		81-3306* 15mm (50/pack)
 T Plate 5 hole	81-2004 15mm long	81-3031 16mm



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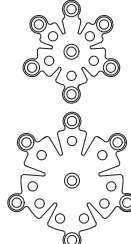
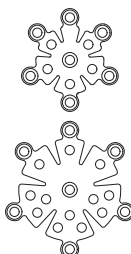
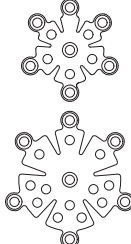
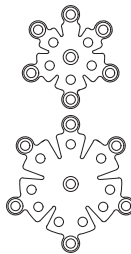
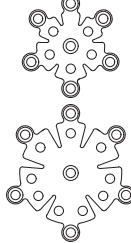
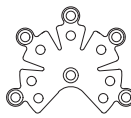

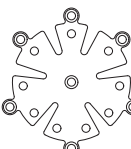
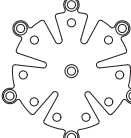
STANDARD PROFILE MINI PLATES Composition: Titanium

Description	Product Code / Length	
	1.5mm	1.9mm
 X Plate 6 hole	81-2003 17mm	81-3030 18mm
 Y Plate 5 hole	81-2002 18mm	81-3029 19mm
 Boxcar Plate 4 hole	81-2007 10 x 10mm	81-3034 11 x 11mm
 6 hole	81-2008 8 x 17mm	81-3035 9 x 18mm
 8 hole	81-2009 10 x 24mm	81-3036 11 x 25mm
 Curved Plate 8 hole	81-3059 30mm	
 Lattice Plate 48 hole	81-2010 32 x 44mm	





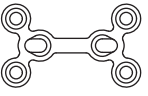
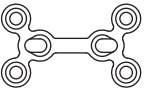
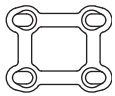
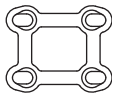
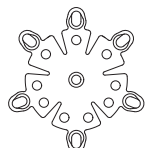
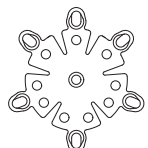
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STANDARD PROFILE MINI PLATES Composition: Titanium

		Description	Product Code / Length	
			1.5mm	1.9mm
		Rigid Burr Hole Cover 6 hole	81-2005 12mm	81-3032 12mm
			81-2006 18mm	81-3033 18mm
		Flexible Contoured Burr Hole Cover	81-2053 12mm	81-2046 12mm
			81-2054 18mm	81-2047 18mm
		Rigid Contoured Burr Hole Cover	81-2055 12mm	81-2048 12mm
			81-2056 18mm	81-2049 18mm
		Access Burr Hole Cover 5 hole	81-3180 18mm	81-3181 18mm
		Flexible Contoured Burr Hole Cover	81-5770 24mm	81-5771 24mm

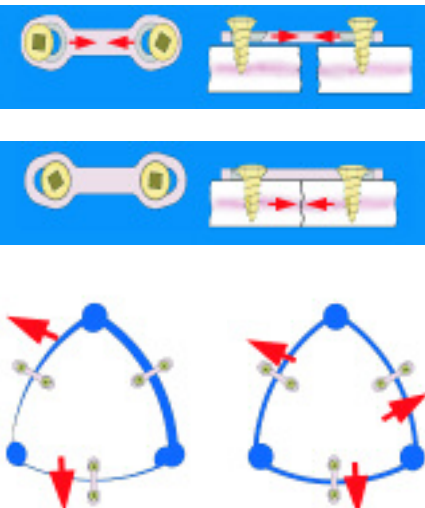
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COMPRESSION MINI PLATES Composition: Titanium

		Description	Product Code / Length	
			1.5mm	1.9mm
		Straight Compression Plate 2 hole	81-3144 14mm (1/pack)	81-3148 15mm (1/pack)
			81-3143 14mm (3/pack)	81-3147 15mm (3/pack)
			81-3303 14mm (50/pack)	81-3307 15mm (50/pack)
		Compression X Plate 6 hole	81-3371* 17mm	81-3373* 18mm
		Boxcar Compression Plate 4 hole	81-3146 14mm	81-3150 15mm
		Rigid Compression Burr Hole Cover	81-3370 18mm	81-3372 18mm

mm
0
10
20
30

Compression profile plates are compatible with both low-profile and standard-profile screws.



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STERILE KITS

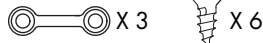

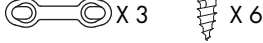

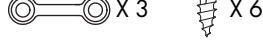







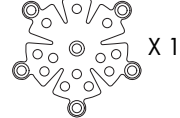

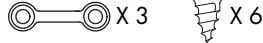

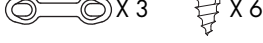

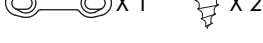









Convenient and Ready to Use

Codman offers the most complete line of sterile plate and screw kits available on the market today. All sterile kits feature the same premium components found in the BIOPLATE Neurosurgery Fixation System: in multiple size and component configurations. The sterile kit is ideal for hospitals that need to reduce the costs associated with handling, inventorying and sterilizing traditional cranial closure systems. Each kit is gamma sterilized, in an easy-to-peel package that is fully traceable. The sterile kit utilizes standard BIOPLATE instrumentation.

- 8 sterile kit configurations in two sizes, 1.5 and 1.9mm
- Lot traceable and cost-effective



STERILE KIT CONFIGURATIONS

Description		Kits/Box	Product Code
1.5mm			
 X 3	 X 6	10	81-3573
2 hole Straight Plate - Self-Drilling Screw - 81-3131 (X3) 14mm 81-2066 (X6) 4mm			
 X 3	 X 6	5	81-3574
2 hole Compression Plate - Self-Drilling Screw - 81-3144 (X3) 14mm 81-2066 (X6) 4mm			
 X 3	 X 6	5	81-3575
2 hole Straight Plate - Self-Drilling Screw - 81-3018 (X3) 11mm 81-2066 (X6) 4mm			
	 X 2	10	81-3576
Self-Drilling Screw - 81-2066 (X2) 4mm			
	 X 6	10	81-3577
Self-Drilling Screw - 81-2066 (X6) 4mm			
 X 1	 X 6	5	81-3578
X Plate - Self-Drilling Screw - 81-2003 (X1) 17mm 81-2066 (X6) 4mm			
 X 1	 X 4	5	81-3579
4 hole Boxcar Plate - Self-Drilling Screw - 81-2007 (X1) 10 x 10mm 81-2066 (X4) 4mm			
 X 1	 X 6	5	81-3580
6 hole Burr Hole Cover - Self-Drilling Screw - 81-2054 (X1) 18mm 81-2066 (X6) 4mm			
1.9mm			
 X 3	 X 6	10	81-3581
2 hole Straight Plate - Self-Drilling Screw - 81-3020 (X3) 15mm 81-2069 (X6) 4mm			
 X 3	 X 6	5	81-3582
2 hole Compression Plate - Self-Drilling Screw - 81-3148 (X3) 15mm 81-2069 (X6) 4mm			
 X 1	 X 2	5	81-3583
2 hole Compression Plate - Self-Drilling Screw - 81-3148 (X1) 15mm 81-2069 (X2) 4mm			
	 X 2	10	81-3584
Self-Drilling Screw - 81-2069 (X2) 4mm			
	 X 6	10	81-3585
Self-Drilling Screw - 81-2069 (X6) 4mm			
 X 1	 X 6	5	81-3586
X Plate - Self-Drilling Screw - 81-3030 (X1) 18mm 81-2069 (X6) 4mm			
 X 1	 X 4	5	81-3587
4 hole Boxcar Plate - Self-Drilling Screw - 81-3034 (X1) 11mm X 11mm 81-2069 (X4) 4mm			
 X 1	 X 6	5	81-3588
6 hole Burr Hole Cover - Self-Drilling Screw - 81-2047 (X1) 18mm 81-2069 (X6) 4mm			

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BIOMESH®

Conforming to your needs

Fit and function are paramount when it comes to cranial reconstruction. BIOPLATE's superior titanium BIOMESH provides a malleable yet strong mesh that allow for precise anatomic contouring of the cranial skeleton. Its unique mesh design can be easily formed with standard instruments - stretched or bent to fit almost any complex bony cranial defect, while virtually eliminating tenting. All BIOMESH products feature countersunk screw holes to ensure a low profile result. BIOMESH is available in an assortment of shapes, sizes and thicknesses to meet the neurosurgeons reconstructive needs.



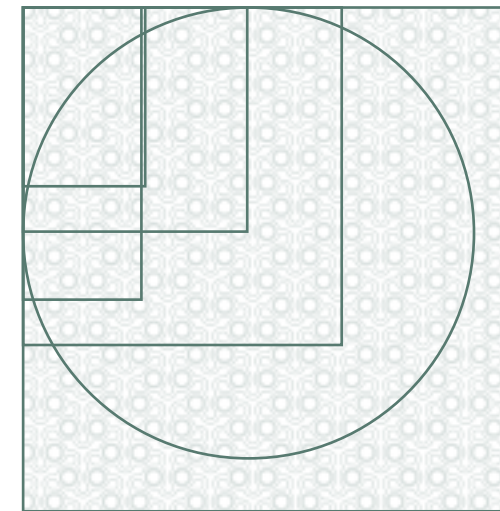
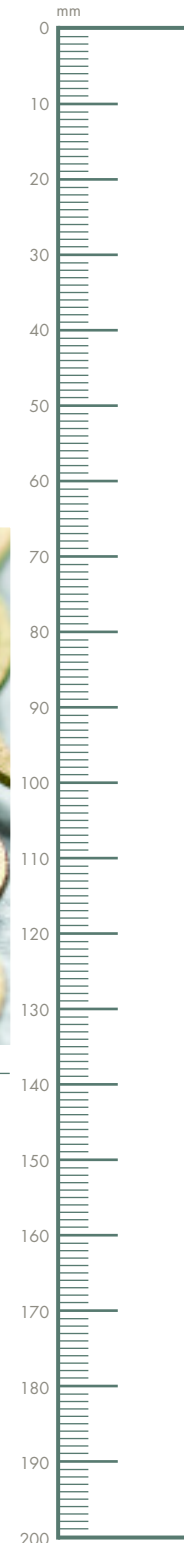
- **Strong yet easily shaped**
- **Unique countersunk mesh design**
- **Available in a variety of shapes, sizes and thicknesses**

	1MC	2MC	3MC	4MC
Thickness mm	0.30	0.45	0.60	0.80
Countersink Screw Holes	X	X	X	X
Accepts				
1.5mm screw	X	X	X	
1.9mm screw		X	X	X

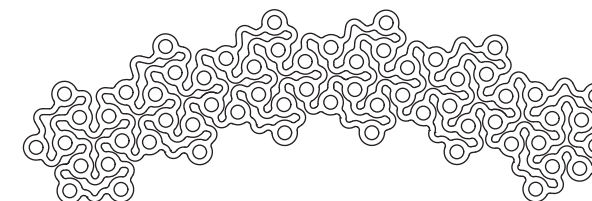
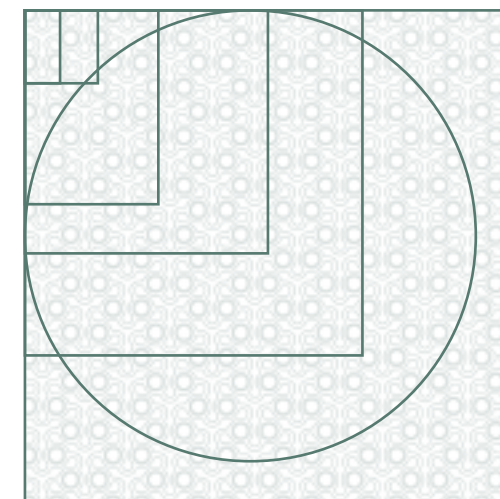
NOTE: Images are not to scale. All products are sold unsterile unless otherwise noted. MC = Mesh Countersunk

For more information, contact your Codman Sales Representative • For product information, call (800) 225-0460 • www.codman.com

TITANIUM MESH



All BIOMESH products are sold with countersunk screw holes, unless otherwise noted. Contact your local representative for information on availability of these as well as other BIOMESH products not shown above.



Mesh images are shown at approximately 1/2 scale. Mesh color may vary.

*Contact your local representative for information on availability.

NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

For more information, contact your Codman Sales Representative • For product information, call (800) 225-0460 • www.codman.com

Product Code	Length /Description
81-5784	BIOMESH 1MC, 36 x 43mm,
81-5785	BIOMESH 1MC, 80 x 99mm
81-3021	BIOMESH 2MC, 33 x 48mm
81-5787	BIOMESH 2MC, 32 x 78mm
81-3022	BIOMESH 2MC, 60 x 60mm
81-3023	BIOMESH 2MC, 85 x 90mm
81-5788	BIOMESH 2MC, 82 x 97mm
81-5786	BIOMESH 2MC, 120mm round
81-3140	BIOMESH 2MC, 132 x 134mm
81-5789	BIOMESH 3MC, 10 x 20 cm
81-3142	BIOMESH 3MC, 20 x 20 cm
81-3024	BIOMESH 3MC, 36 x 52mm
81-3025	BIOMESH 3MC, 65 x 65mm
81-3026	BIOMESH 3MC, 90 x 92mm
81-5790	BIOMESH 3MC, 120mm round
81-3141	BIOMESH 3MC, 127 x 131mm
81-5792*	BIOMESH 4MC, 200 x 200mm
81-3184	BIOMESH, Gap plate 29 x 88mm
81-3379	BIOMESH, Gap plate 43 x 109mm

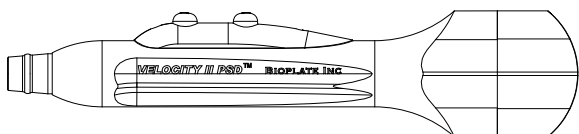
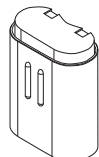
BIOPLATE® VELOCITY II PSD™

Power and Convenience in a small package

The new BIOPLATE VELOCITY II POWERED SCREWDRIVER is the latest advancement in power delivery system for cranial closure. An industry leading design combines an ultra slim profile, high torque motor with multiple speed settings to deliver smooth, tractable power for inserting or removing screws. Soft-touch buttons make speed and directional adjustment simple and swift. The ergonomically balanced and lightweight design reduces operator fatigue while the quick coupler collet allows for rapid blade changeovers. Pre-sterilized, single-use batteries deliver the convenience of ready-to-use energy for every closure.

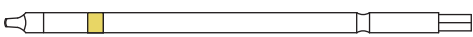

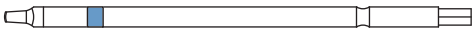



- **Ultra-slim profile with ergonomically designed controls**
- **High torque motor with multiple speed and directional capabilities**
- **Convenient sterile batteries**

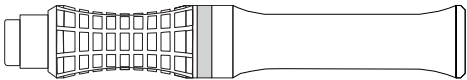
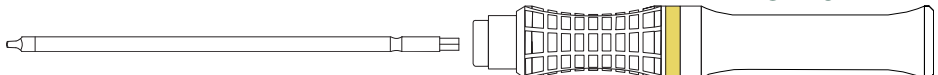
	Description	Product Code
	BIOPLATE VELOCITY II PSD Reusable Dimensions with battery: 210mm (L) x 40mm (W) x 26mm (T) Weight with battery: 225g	81-5795*
	Battery Pack for Battery Screwdriver Sterile	81-5801*

*Contact your local representative for information on availability.
NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

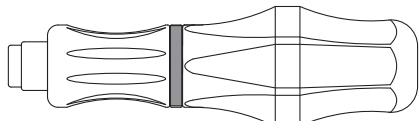
BATTERY POWERED SCREWDRIVER BLADES

	Description	Product Code / Length
	 Blade for Battery Screwdriver	1.5mm 81-3310 1.5mm diam.
	 Blade for Battery Screwdriver	1.9mm 81-3312 1.9mm diam./1pkg

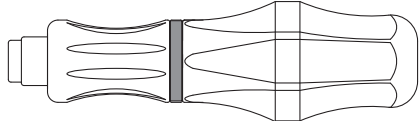
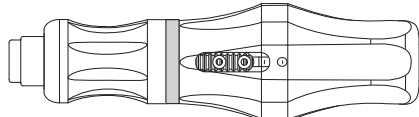
HANDLE A - SMALL HANDLE

	Product Code	Length /Description
	81-3107	Screwdriver Handle - Small (A) - Universal
	81-2021	Screwdriver With Blade - 1.5mm diam.

HANDLE B - LARGE HANDLE

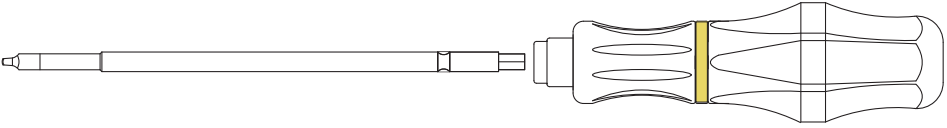
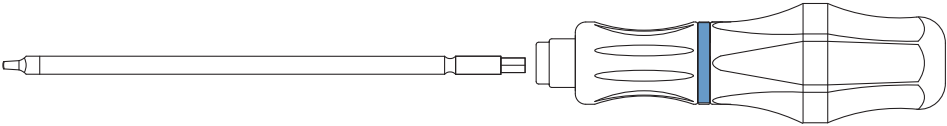
	Product Code	Length /Description
	81-3111	Screwdriver Handle - Large (B) - Universal Accepts 1.5mm or 1.9mm blades

CLUTCH HANDLE/LOCKING CLUTCH HANDLE

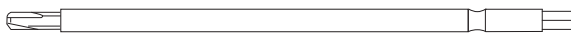







	Product Code	Length /Description
	81-3197	Clutch Driver - Handle Only Accepts 1.5mm or 1.9mm blades
	81-3405	Locking Clutch Driver - Handle Only Accepts 1.5mm or 1.9mm blades

*Contact your local representative for information on availability.
NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

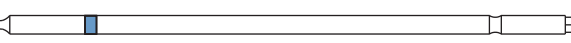



CLUTCH HANDLE/LOCKING CLUTCH HANDLE

	Product Code	Length /Description
	81-3100	Screwdriver With Large Blade - 1.5mm diam.
	81-3102	Screwdriver With Large Blade - 1.9mm diam.

MANUAL SCREWDRIVER BLADES - 1.5 MM SET

	Description	Product Code / Length
 	Handle A (Small Handle) Cross Drive	1.5mm 81-5750 1.5mm diam./1pkg
 	Handle B (Large Handle) Cross Drive	81-5751 1.5mm diam./1pkg
 	Handle A (Small Handle)	81-2027 1.5mm diam./1pkg
 	Handle B (Large Handle)	81-3101 1.5mm diam./1pkg

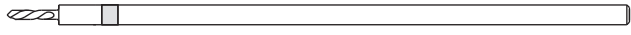
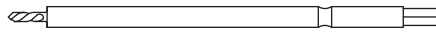

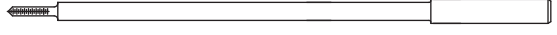

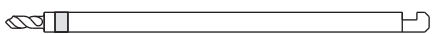
MANUAL SCREWDRIVER BLADES - 1.9 MM SET

	Description	Product Code / Length
 	Handle A (Small Handle)	1.9mm 81-2034 1.9mm diam./1pkg
 	Handle B (Large Handle)	81-3103 1.9mm diam./1pkg

NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

For more information, contact your Codman Sales Representative • For product information, call (800) 225-0460 • www.codman.com

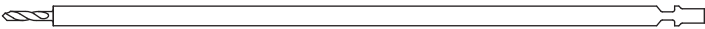
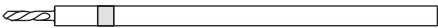

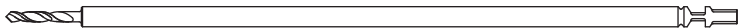




DRILL BITS

	Description	Product Code / Length	
		1.5mm	1.9mm
	75mm Long Shaft	81-3067 1.2mm diam./4.5mm long	81-3070 1.5mm diam./4.5mm long
		81-3068 1.2mm diam./6mm long	81-3071 1.5mm diam./6mm long
		81-3069 1.2mm diam./10mm long	81-3072 1.5mm diam./10mm long
	BIOPLATE Hand Driver	81-3073 1.2mm diam./4.5mm long	81-3075 1.5mm diam./4.5mm long
		81-3074 1.2mm diam./6mm long	81-3076 1.5mm diam./6mm long
	Codman Craniotome	81-3061 1.2mm diam./4.5mm long	81-3064 1.5mm diam./4.5mm long
		81-3062 1.2mm diam./6mm long	81-3065 1.5mm diam./6mm long
		81-3063 1.2mm diam./10mm long	81-3066 1.5mm diam./10mm long
	Midas B Type	81-3077 1.2mm diam./4.5mm long	81-3080 1.5mm diam./4.5mm long
		81-3078 1.2mm diam./6mm long	81-3081 1.5mm diam./6mm long
		81-3079 1.2mm diam./10mm long	81-3082 1.5mm diam./10mm long
	Midas III S Type	81-3083 1.2mm diam./4.5mm long	81-3085 1.5mm diam./4.5mm long
		81-3084 1.2mm diam./6mm long	81-3086 1.5mm diam./6mm long
	Stryker J	81-2018 1.2mm diam./4.5mm long	81-2033 1.5mm diam./4.5mm long
		81-2019 1.2mm diam./6mm long	81-2044 1.5mm diam./6mm long
		81-2020 1.2mm diam./10mm long	81-2045 1.5mm diam./10mm long

NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted. Required for use with self-tapping screws.

For more information, contact your Codman Sales Representative • For product information, call (800) 225-0460 • www.codman.com

DRILL BITS

Description	Product Code / Length	
	1.5mm	1.9mm
Anspach Black Max Type	81-3426 1.2mm diam/4.5mm length	81-3428 1.5mm diam/4.5mm length
	81-3427 1.2mm diam/6mm length	81-3429 1.5mm diam/6mm length
Aesculap High Speed	81-3410 1.2mm diam/4.5mm length	81-3412 1.5mm diam/4.5mm length
	81-3411 1.2mm diam/6mm length	81-3413 1.5mm diam/6mm length
Large Hand Driver	81-3376 1.2mm diam/4.5mm long	81-3377 1.5mm diam/4.5mm long
		
Micro Max Type	81-3414 1.2mm diam/4.5mm length	81-3416 1.5mm diam/4.5mm length
	81-3415 1.2mm diam/6mm length	81-3417 1.5mm diam/6mm length
Mizuho Drill	81-3485 1.2mm diam/4.5mm long	81-3487 1.5mm diam/4.5mm long
	81-3486 1.2mm diam/6mm long	81-3490 1.5mm diam/6mm long
Osteomed Type	81-3418 1.2mm diam/4.5mm length	81-3420 1.5mm diam/4.5mm length
	81-3419 1.2mm diam/6mm length	81-3421 1.5mm diam/6mm length
Stryker TPS Type	81-3422 1.2mm diam/4.5mm long	81-3424 1.5mm diam/4.5mm long
	81-3423 1.2mm diam/6mm long	81-3425 1.5mm diam/6mm long
Ultrapower HS	81-3480 1.2mm diam/4.5mm length	81-3482 1.5mm diam/4.5mm length
	81-3481 1.2mm diam/6mm length	81-3483 1.5mm diam/6mm length
	81-3489 1.2mm diam/10mm length	81-3484 1.5mm diam/10mm length

*Contact your local representative for information on availability for all codes on this page.
NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

INSTRUMENTS AND CONTAINERS - BENDER

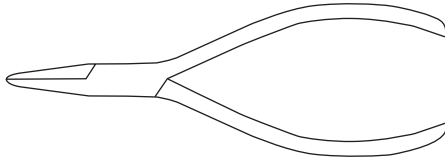
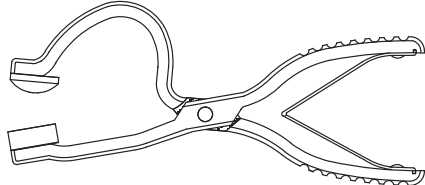
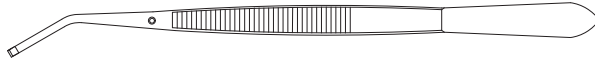

	Product Code	Length /Description
	81-2022	Plate Bender
	81-3568	BIOMESH® Bender

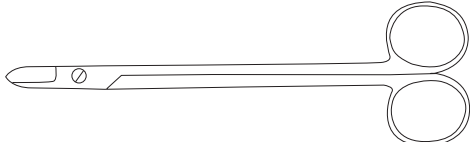
PLATE CUTTER

	Product Code	Length /Description
	81-2023	Plate Cutter - MEDIUM

INSTRUMENTS AND CONTAINERS - FORCEPS

	Product Code	Length /Description
	81-2024	Forceps - Angled, Stainless Steel
	81-3564	Forceps - Straight, Stainless Steel

INSTRUMENTS AND CONTAINERS - SCISSORS

	Product Code	Length /Description
	81-3380	Mesh Cutting Scissors

NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

THE TOTAL SOLUTION CONTAINERS

Customizable to your needs

The BIOPLATE TOTAL SOLUTION CONTAINER (TSC) system provides unique and flexible approach to storing rigid fixation products and instruments. Compact, modular and self-contained: providing unique fixation combinations to meet the requirements for simple or complex closures.

The BIOPLATE TOTAL SOLUTION CONTAINER system is comprised of four configurations: Plate & Screw, Mesh, Battery-Powered Screwdriver (BPS) & ZIP CFS; each is fully separable and customizable to surgeons' requirements.

Available in 1.5 and 1.9mm sizes, utilizing the same easy-to-use slide-out and rotary dial lids that keep plates and screws secure in their wells.

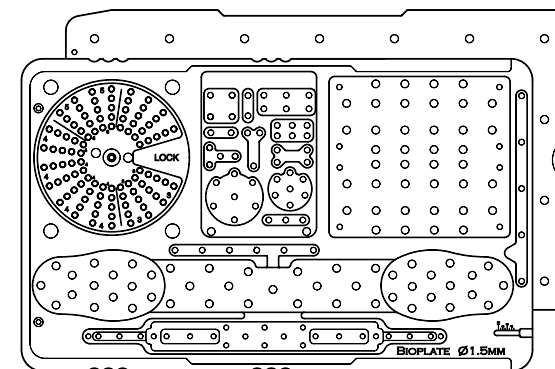


- Self-contained, modular components with a compact footprint
- Available in 1.5 & 1.9mm sizes

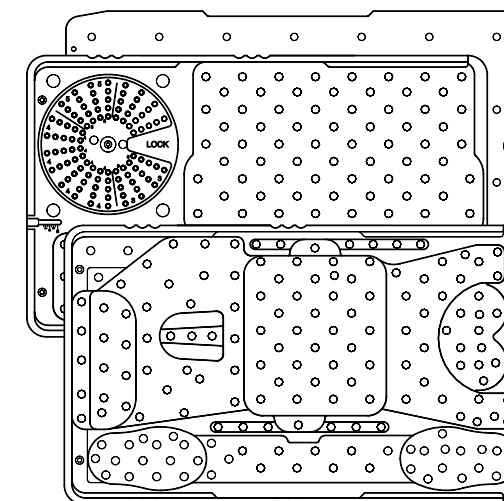
NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

For more information, contact your Codman Sales Representative • For product information, call (800) 225-0460 • www.codman.com

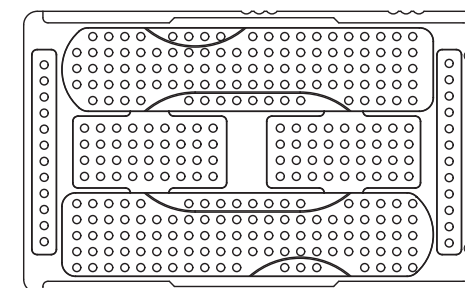
TOTAL SOLUTION CONTAINER



Description	Product Code / Length	
	1.5mm	1.9mm
Plate & Screw Container	81-4205	81-4206



Mesh Container	81-4208	81-4209
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VELOCITY II PSD Container	81-5796
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Each TOTAL SOLUTION CONTAINER can be utilized as a separate module or stacked as part of a larger system. Please refer to Page # 27 for information on the TOTAL SOLUTION CONTAINER for the ZIP CFS product.

Please consult your local neurospecialist.

NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

For more information, contact your Codman Sales Representative • For product information, call (800) 225-0460 • www.codman.com

STERILIZATION CONTAINER

	Product Code	Length /Description
	81-2026	Sterilization Container - Neurosurgery
	81-3115	Extended Sterilization Container - Base Only
	81-3119	Extended Sterilization Container

Description	Product Code / Length	
	1.5mm	1.9mm
Plate & Screw Container	81-3105	81-3109

INSTRUMENTS AND CONTAINERS

Description	Product Code / Length	
	1.5mm	1.9mm
Bio-100 Insert	81-3175	81-2035
	81-3095	81-3096
Insert Self-Drilling Screws		

NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

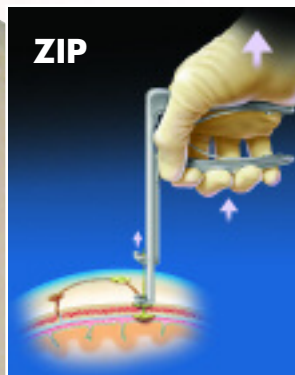
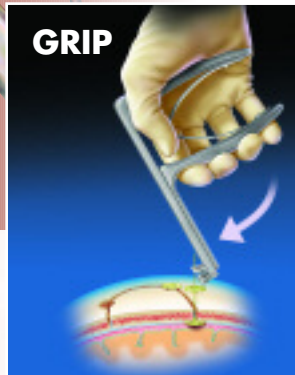
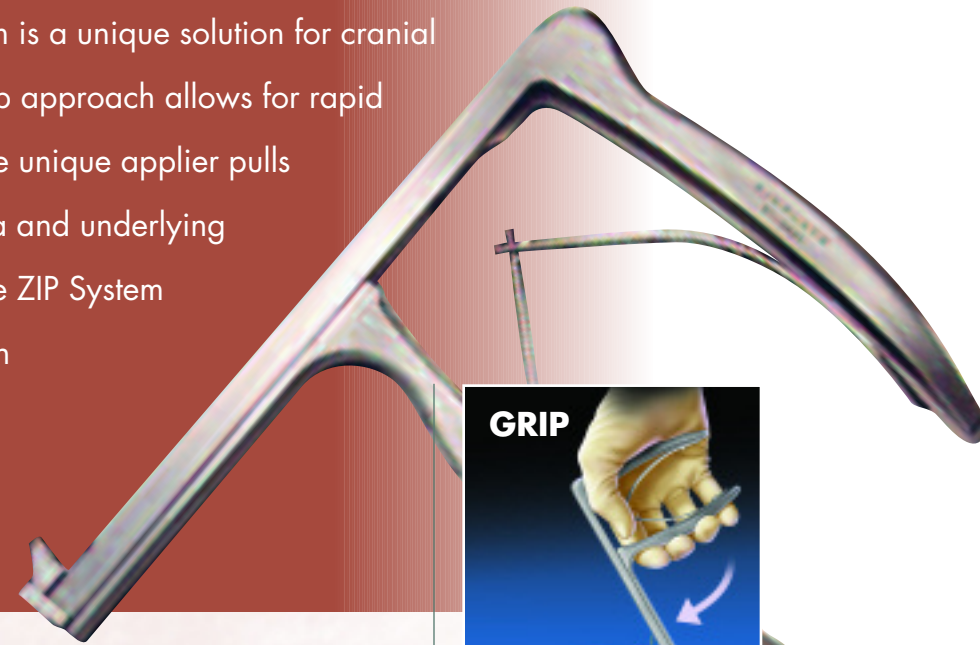
NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

ZIP® CRANIAL FIXATION SYSTEM




Bringing Quicker Closure to Craniotomies

The ZIP Cranial Fixation System is a unique solution for cranial flap closure. A simple three-step approach allows for rapid and secure cranial fixation. The unique applicator pulls the implant away from the dura and underlying tissues during implantation. The ZIP System can be used in conjunction with BIOPLATE's 1.5 or 1.9mm Neurosurgery Fixation Systems for a total closure solution.

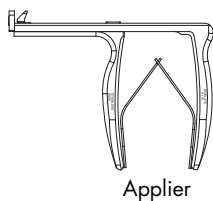
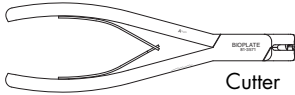
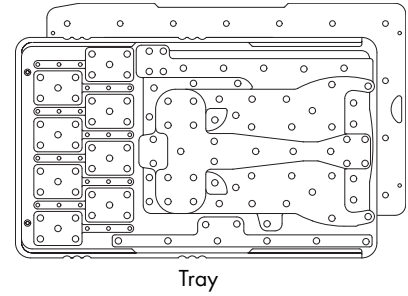



- **Fast & easy application**
- **Unique applicator simplifies implantation**
- **Secure flap fixation**



ZIP IMPLANTS Composition: Titanium Alloy

	Product Code	Length /Description
	81-3496	ZIP CFS 11mm Implant
	81-3497	ZIP CFS 15mm Implant
	81-3498	ZIP CFS 18mm Implant

ZIP INSTRUMENTS

	Product Code	Length /Description
	81-3499	ZIP CFS Applicator
	81-3571	ZIP CFS Cutter
	81-3565	ZIP CFS Tray
	81-3566	ZIP CFS Kit Kit contains: ZIP CFS Applicator [81-3499] Forceps [81-3564] ZIP CFS Cutter [81-3571] Towel Clamp [32-5005] ZIP CFS Tray [81-3565]
	32-5005	Towel Clamp
	81-3564	Forceps

NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

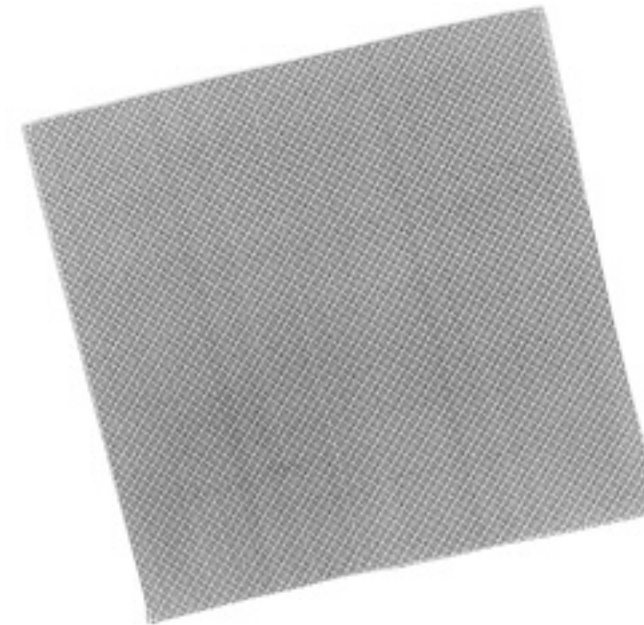
NOTE: Images are not to scale. All products are sold non-sterile unless otherwise noted.

CRANIAL PLASTIC



Product Code	Length /Description
43-1050	CRANIOPLASTIC* Kit, two complete sets, consists of two bags sterile powder (net weight 30 grams each), two vials sterile liquid (net contents 17 milliliters each) and two sterile matrix bags. *Can be used in conjunction with BIOPLATE BIOMESH® all sizes (Please refer to page 11) and Titanium Mesh [43-1022] listed below.

MESH



Product Code	Length /Description
43-1022	TITANIUM Mesh Sterile Titanium Mesh is indicated for use with methyl methacrylate formulated for cranioplasty. Product sold sterile. Size: 6" x 6" (15cm x 15cm) Wire diameter: .010" (31g) Mesh per inch: 24 x 24

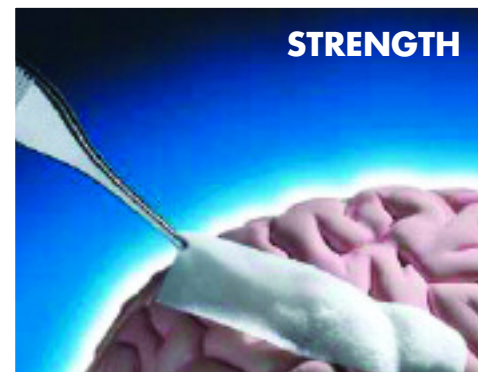
NOTE: Images are not to scale. Products are sold sterile.

NOTE: Images are not to scale. Products are sold sterile.

DURAFORM™

Dural Graft Implant

DURAFORM Dural Graft Implant provides a unique combination of superior strength, handling and conforming capabilities. A textured top surface makes DURAFORM easy to grip and manipulate, by hand or with forceps. The soft, smooth bottom side gently molds to the complex surface structures of the brain and dura, minimizing undesirable creases and folds, to help prevent CSF leakage.



- Improved strength
- Excellent anatomical conformity
- Enhanced wet handling

DURAFORM™

The DuraForm Dural Graft Implant is intended for use in procedures where the repair or substitution of the patient's dura mater is needed. Suturing is not required. If stay suturing is desired, use an atraumatic tensionless suture technique.

	Product Code	Length /Description
	80-1480	4" x 5" (10 cm x 12.5 cm), 1/case
	80-1478	3" x 3" (7.5 cm x 7.5 cm), 5/case
	80-1477	3" x 3" (7.5 cm x 7.5 cm), 1/case
	80-1476	2" x 2" (5 cm x 5 cm), 5/case
	80-1475	2" x 2" (5 cm x 5 cm), 1/case
	80-1474	1" x 3" (2.5 cm x 7.5 cm), 5/case
	80-1473	1" x 3" (2.5 cm x 7.5 cm), 1/case
	80-1472	1" x 1" (2.5 cm x 2.5 cm), 5/case

NOTE: Images are not to scale. Products are sold sterile.

NOTE: Images are not to scale. Products are sold sterile.

ETHISORB™ DURA PATCH

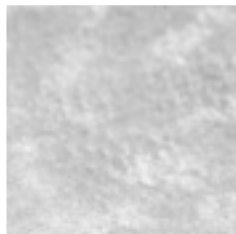
Is a synthetic absorbable implant for the bridging of dural defects.

The fully synthetic composite of the following materials:

- **A fleece of undyed (Polyglactin 910 and undyed PDS (Poly-P-Dioxanon)**
- **A PDS foil dyed with D&C Violet No.2 (Color Index No.60725)**

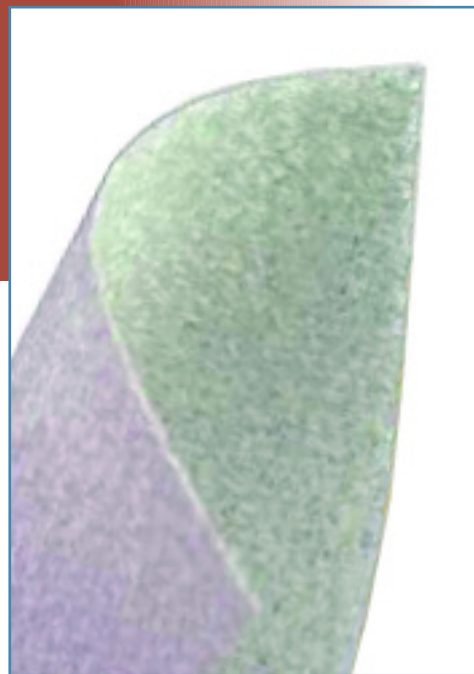
The PDS foil coating is designed to minimize CSF leakage.

The Ethisorb DP is pliable, wet or dry, and requires no prep time. Absorption is essentially complete approximately 90 days after implantation.



Biocompatibility

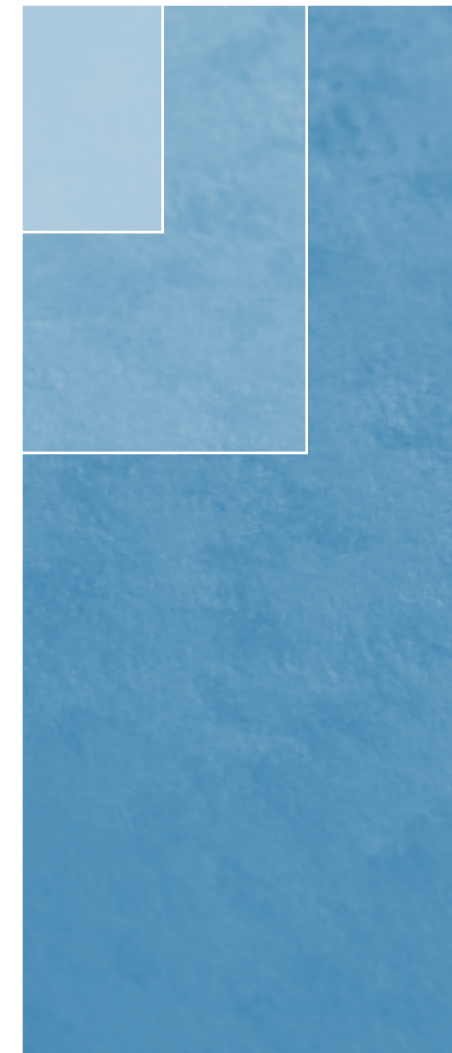
The absorbable, fleece-like, porous structure allows for the progressive integration of the implant by the newly formed fibrous, connective tissue with minimal risk of inflammation; when fully absorbed, the implant leaves no foreign body in-situ.



- **Fast & easy application**
- **Fully synthetic**
- **CSF Impermeability**
- **Full compatibility**

DURAPATCH

ETHISORB™ DURAPATCH is supplied completely flat; it can be slightly curved for better contouring to the anatomy, and may be cut to the final, desired shape and size without fraying.



Product Code Length /Description

83-1143	.75" x 1.2" (2cm x 3cm), 1/case
83-1148	1.5" x 2.35" (4cm x 6cm), 1/case
83-1153	2.35" x 5.5" (6cm x 14cm), 1/case

NOTE: Images are not to scale. Products are sold sterile.

For more information, contact your Codman Sales Representative • For product information, call (800) 225-0460 • www.codman.com

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