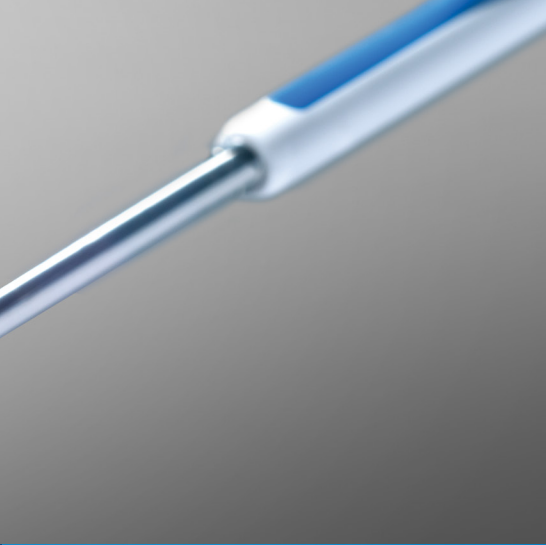




ENT PRODUCT CATALOG



Medtronic

CATALOG DIRECTORY

Medtronic

TERMS AND CONDITIONS

TOLL FREE PHONE (800) 874-5797

TOLL FREE FAX (800) 678-3995

www.MedtronicENT.com

PAYMENT TERMS AND PRICES

PAYMENT TERMS ARE NET 30 DAYS FROM DATE OF INVOICE. Prices do not include any applicable Federal, State or other taxes and will be added to the invoice unless an exemption certificate is supplied. Prices are subject to change at Medtronic ENT's discretion without notice.

SHIPMENTS

FOB, Jacksonville, FL USA. Freight is prepaid and added to invoice. Date of shipment is based on best estimates using commercially reasonable efforts to ship on schedule. Medtronic ENT shall not be liable for damage or loss due to any delay in delivering. Partial shipments will be made as required. Claims for short shipment are to be made within 10 days of shipment. Claims for goods damaged in shipment are to be made to the delivery carrier. Do not accept damaged shipments unless noted on the Bill of Lading at time of receipt. Medtronic ENT shall not be liable for any failure or delay in delivery occasioned in whole or in part by strikes, lockouts, fire, inability to obtain materials or shipping space, wars, civil commotion, destruction of plants, delay of carriers, any governmental act or regulation, or any other cause beyond its control.

WARRANTY

All merchandise shall be covered by the Medtronic ENT standard limited warranty applicable to that product. MEDTRONIC ENT SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PRODUCT SPECIFICATIONS AND AVAILABILITY

Specifications, designs, prices and availability are subject to change. Medtronic ENT reserves the right to discontinue merchandise or to change specifications without notice or obligation.

COMPLAINT HANDLING

If you encounter a problem or complaint, please: 1) obtain all relevant facts, including name of user, address, phone number, merchandise number, lot/serial number, date of occurrence and description of circumstances or nature of problem; and 2) report information immediately to Medtronic ENT, Customer Service at the above phone number. Every effort will be made to address and resolve problems in a manner consistent with our goal of providing quality merchandise and services.

RETURNED GOODS

No merchandise may be returned without the prior authorization of Medtronic ENT. To request a returned goods authorization number (RGA) please contact Customer Service with the following information on the merchandise to be returned: 1) the original invoice number or purchase order number; 2) the reason for return; 3) the catalog number; 4) the quantity; and 5) the lot. Please display the RGA number prominently on the box and include it on all paperwork. All authorized returns must be sent freight prepaid.

A. All returned merchandise must be in its original package. Any merchandise returned that is obsolete, beyond its expiration date, defaced, altered, damaged or has come in contact with body tissue or fluids will not be eligible for return or credit. Sterile merchandise must be returned in full-box quantities with the outer seals intact.

B. All merchandise (except battery-powered devices) returned unused within 45 days of date of shipment will be credited at customer's purchase price. Battery-powered devices returned within 45 days of date of purchase will be charged a thirty percent (30%) restocking fee.

All merchandise returned unused after 45 days and up to 90 days from date of shipment will be credited at customer's purchase price less a fifty percent (50%) restocking fee. Merchandise returned more than 90 days from date of shipment is not eligible for return or credit.

C. Merchandise returned without prior authorization or not in accordance with A and B above will be returned to customer at customer's expense.

RETURN OF PRODUCT FOR REPAIR

To arrange for the return of merchandise for repair, call Customer Service at (800)-874-5797 to obtain a Return Goods Authorization number (RGA) and to schedule the repair. Please have the original invoice number or purchase order number available to assist in verifying warranty information.

A purchase order number is required to process all repairs. After obtaining a RGA, customer service will inform you of the repair charge that will be billed against your purchase order.

The RGA number should be prominently displayed on the box and included on all paperwork enclosed with the repair. Merchandise returned for repair should be safely packaged in protective wrapping. Customer must include, with the returned merchandise the 1) purchase order number; 2) correct shipping and billing address; and 3) Repair Order Form or statement of problem/reason for repair.

All repairs should be shipped freight prepaid to:

Medtronic Xomed, Inc.
4102 Southpoint Boulevard
Jacksonville, FL 32216
ATTN: RGA # _____

IMPORTANT

Due to the potential threat to health, all instruments and devices returned for repair must have been decontaminated and/or sterilized. Any product received in an unsanitary condition will be deemed un-repairable and discarded unless Medtronic ENT is able to sterilize or decontaminate the product. An additional service fee of \$250.00 will be applied to the cost of the repair of any product requiring sterilization or decontamination by Medtronic ENT.

LOANER POLICY FOR REPAIRS

Loaners for merchandise that is being repaired under warranty are provided at no charge and must be returned to Medtronic ENT within ten (10) days after customer's receipt of repaired merchandise. If the loaner is not returned within the allotted timeframe, Medtronic ENT reserves the right to charge a daily rental fee. Rental fees will continue to be charged until the loaner is returned to Medtronic ENT.

Customer shall be responsible for any damage to loaner equipment while in Customer's possession or during shipping back to Medtronic ENT. Customer shipping charges associated with the loaner's return.

REPAIR WARRANTIES

All repairs are warranted to be free of defects in material and workmanship for ninety (90) days after the date of shipment.

CHANGES TO TERMS

MEDTRONIC ENT RETAINS THE RIGHT TO CHANGE ANY OF THESE TERMS OR CONDITIONS WITHOUT NOTICE.

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Millimeter Equivalents

MM = INCHES	MM = INCHES	MM = INCHES
.1 = .00384	29.0 = 1.14173	65.0 = 2.55905
.2 = .00787	30.0 = 1.18110	66.0 = 2.59842
.3 = .01181	31.0 = 1.22047	67.0 = 2.63779
.4 = .01575	32.0 = 1.25984	68.0 = 2.67716
.5 = .01968	33.0 = 1.29921	69.0 = 2.71653
.6 = .02362	34.0 = 1.33858	70.0 = 2.75590
.7 = .02756	35.0 = 1.37795	71.0 = 2.79527
.8 = .03149	36.0 = 1.41732	72.0 = 2.83464
.9 = .03543	37.0 = 1.45669	73.0 = 2.87401
1.0 = .03937	38.0 = 1.49606	74.0 = 2.91338
2.0 = .07874	38.1 = 1.5	75.0 = 2.95275
3.0 = .11811	39.0 = 1.53543	76.0 = 2.99212
4.0 = .15748	40.0 = 1.57480	76.2 = 3.0
5.0 = .19685	41.0 = 1.61417	77.0 = 3.03149
6.0 = .23622	42.0 = 1.65354	78.0 = 3.07056
7.0 = .27559	43.0 = 1.69291	79.0 = 3.11023
8.0 = .31496	44.0 = 1.73228	80.0 = 3.14960
9.0 = .35433	45.0 = 1.77165	81.0 = 3.18897
10.0 = .39370	46.0 = 1.81102	82.0 = 3.22834
11.0 = .43307	47.0 = 1.85039	83.0 = 3.26771
12.0 = .47244	48.0 = 1.88976	84.0 = 3.30708
12.7 = .5	49.0 = 1.92913	85.0 = 3.34645
13.0 = .51181	50.0 = 1.93500	86.0 = 3.38582
14.0 = .55118	50.8 = 2.0	87.0 = 3.42519
15.0 = .59055	51.0 = 2.00787	88.0 = 3.46456
16.0 = .62992	52.0 = 2.04724	88.9 = 3.5
17.0 = .66929	53.0 = 2.08661	89.0 = 3.50393
18.0 = .70866	54.0 = 2.12598	90.0 = 3.54330
19.0 = .74803	55.0 = 2.16535	91.0 = 3.58267
20.0 = .78740	56.0 = 2.20472	92.0 = 3.62204
21.0 = .82677	57.0 = 2.24409	93.0 = 3.66141
22.0 = .86614	58.0 = 2.83460	94.0 = 3.70078
23.0 = .90551	59.0 = 2.32283	95.0 = 3.74015
24.0 = .94488	67.0 = 2.36220	96.0 = 3.77952
25.0 = .98425	61.0 = 2.40157	97.0 = 3.81889
25.4 = 1.0	62.0 = 2.44094	98.0 = 3.85826
26.0 = 1.02362	63.0 = 2.48031	99.0 = 3.89763
27.0 = 1.06299	63.5 = 2.5	100.0 = 3.93700
28.0 = 1.10236	64.0 = 2.51968	100.6 = 4.0

Needle Tubing Equivalents

SIZE GAUGE NO.	APPROX. O.D.	
	MM	INCHES
26	.4	.018
24	.5	.022
22	.7	.028
20	.9	.035
18	1.3	.053
16	1.6	.065
14	2.1	.083
12	2.8	.109
10	3.4	.134
8	4.2	.165
6	5.1	.203

Suction Tubing Equivalents

SIZE FRENCH GAUGE NO.	APPROX. O.D.	
	MM	INCHES
3	1.0	.039
4	1.3	.053
5	1.7	.066
6	2.0	.079
7	2.3	.092
8	2.7	.105
9	3.0	.118
10	3.3	.131
11	3.7	.144
12	4.0	.158
13	4.3	.170
14	4.7	.184
15	5.0	.197
16	5.3	.210

OFFICE-BASED SOLUTIONS

Medtronic



This icon identifies feature products that can be used with in-office therapies and procedures.

FUSION Compact™ ENT Navigation System

The modular Fusion Compact™ gives you the freedom to use navigation where and when you need it.

- Convenient, portable
- Touchscreen interface
- Digital video input and output
- 8 ports for AxiEM™ instruments
- Familiar Medtronic navigation design
- Optimal tripod stand for emitter and emitter arm



Product	Description	Qty
FUSIONCOMP	FUSION Compact™ ENT Navigation System	1

NuVent™ EM Sinus Dilation System Balloon Dilation with Integrated Navigation

- For use with Medtronic ENT electromagnetic (EM) navigation
- Frontal, maxillary, and sphenoid designs
- 5mm, 6mm, and 7mm balloon size options

Product	Description	Qty
70 Degree Balloons		
1830517FRT70	70 Degree Balloon 5.0mm x 17.0mm	1
1830617FRT70	70 Degree Balloon 6.0mm x 17.0mm	1
1830717FRT70	70 Degree Balloon 7.0mm x 17.0mm	1
Frontal Balloons		
1830517FRT	Balloon Seeker, EM Frontal Balloon 5.0mm x 17.0mm	1
1830617FRT	Balloon Seeker, EM Frontal Balloon 6.0mm x 17.0mm	1
1830717FRT	Balloon Seeker, EM Frontal Balloon 7.0mm x 17.0mm	1
Maxillary Balloons		
1830507MAX	Balloon Seeker, EM Maxillary Balloon 5.0mm x 7.0mm	1
1830607MAX	Balloon Seeker, EM Maxillary Balloon 6.0mm x 7.0mm	1
1830707MAX	Balloon Seeker, EM Maxillary Balloon 7.0mm x 7.0mm	1
Sphenoid Balloons		
1830517SPH	Balloon Seeker, EM Sphenoid Balloon 5.0mm x 17.0mm	1
1830617SPH	Balloon Seeker, EM Sphenoid Balloon 6.0mm x 17.0mm	1
1830717SPH	Balloon Seeker, EM Sphenoid Balloon 7.0mm x 17.0mm	1
Inflator		
183INFKIT	Kit, Inflator	1



NuVent Balloon Package



Frontal Balloon (70 Degree)



Frontal Balloon (98 Degree)



Maxillary Balloon



Sphenoid Balloon

HydroCleanse™ Sinus Wash Delivery System

- 360-degree rotating fan spray
- Sinus-specific suction catheter tips with three angles
- Adjustable spray pressure controlled by self-returning hand grip

Product	Description	Qty
1960100	HydroCleanse™ Sinus Wash Delivery System	1



XPS Nexus™ ENT Power Console

- Connects to the StraightShot® M4 Microdebrider
- Handpiece recognition
- Portable
- Built-in irrigation pump
- Foot pedal with non-slip design (sold separately)
- IV pole (sold separately)

Product	Description	Qty
1894510	XPS Nexus™ Console	1



StraightShot® M4 Microdebrider Handpiece

Compatible with the IPC® and the XPS® Nexus

- Rotatable blade options

Product	Description	Qty
1898200T	StraightShot® M4 High-Speed Microdebrider with SureTrack	1



POWERED SURGICAL EQUIPMENT

Medtronic

Integrated Power Console (IPC®) System

Our IPC system is a powered ENT surgery console with an expansive range of application-specific products.

Product	Description	Qty
1898001	Integrated Power Console	1
1898430	Integrated Power Console Multifunction Footpedal	1
1897510	Basket	1
1898600	IPC Cart	1



1898001

IPC System Power Cords

Product	Description	Qty
1895820	Power Cord, Standard, North America, 3 M	1
1897821	Power Cord, Standard, North America, 6 M	1



1898430

IPC System Manuals

Product	Description	Qty
1898851	IPC Manual (English Only)	1
1898851A	IPC Manual (EL, EN, ES, FR, PT)	1
1898851B	IPC Manual (DE, EN, FR, IT, NL)	1
1898851C	IPC Manual (DA, EN, FI, NO, SV)	1
1898851D	IPC Manual (CS, EN, HU, PL, TR)	1
1898851E	IPC Manual (EN, RU) - CD only	1

IPC Suction Irrigation Set with IntelliFlow™ Remote Control

System includes:

Coextruded Suction-Irrigation Tubing Set

Multi-size Irrigation Tip Adapters (4) IntelliFlow® Remote Control

Product	Description	Qty
3318604E	IPC Suction-Irrigation System	1



1898600



3318604E

XPS Nexus™ ENT Power Console

- Connects to the StraightShot® M4 Microdebrider
- Handpiece recognition
- Portable
- Built-in irrigation pump
- Foot pedal with non-slip design (sold separately)
- IV pole (sold separately)



1894510

Product	Description	Qty
1894510	XPS Nexus™ Console	1
1894520	XPS Nexus Foot Control	1
1894515	XPS Nexus IV Pole	1
1897821	Power Cord, 6 meter, IEC 320, 115V	1



1894520



1894515

StraightShot® M5 Microdebrider

The StraightShot® M5 works with:

- 30K high-speed burs
- Factory-calibrated EM blades for Fusion® ENT Navigation
- Quadcut® blades
- Cross-compatible with M4 blades and burs

Product	Description	Qty
1899200	StraightShot® M5 Microdebrider	1
1899076	StraightShot® M5 Instrument Tray	1



1899200



1899076

StraightShot® M4 Microdebrider Handpiece

Compatible with the IPC® and the XPS® Nexus

- Rotating blade and handpiece

Product	Description	Qty
1898200T	StraightShot® M4 High-Speed Microdebrider with SureTrack	1
1898075	StraightShot® M4 Instrument Tray	1
1895522	StraightShot® M4 Tubing	1



1898200T

Hydrodebrider™ System

Power and Access

- Powered irrigation system for the paranasal sinuses
- With a rotating spray, the Flex-Tip incorporates suction and 270° articulation

Product	Description	Qty
1913001	Hydrodebrider Console	1
1914001	Hydrodebrider, Standard Handpiece	1
1921002	Hydrodebrider, Frontal Handpiece	1



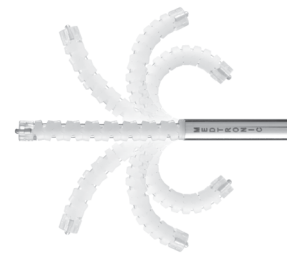
1913001

Hydrodebrider – Powered ENT Power Cords

Product	Description	Qty
1895820	Power Cord, Standard, 3 M	1
1897821	Power Cord, Standard, 115V, 6 M	1



1914001



Standard handpiece tip close-up



1921002

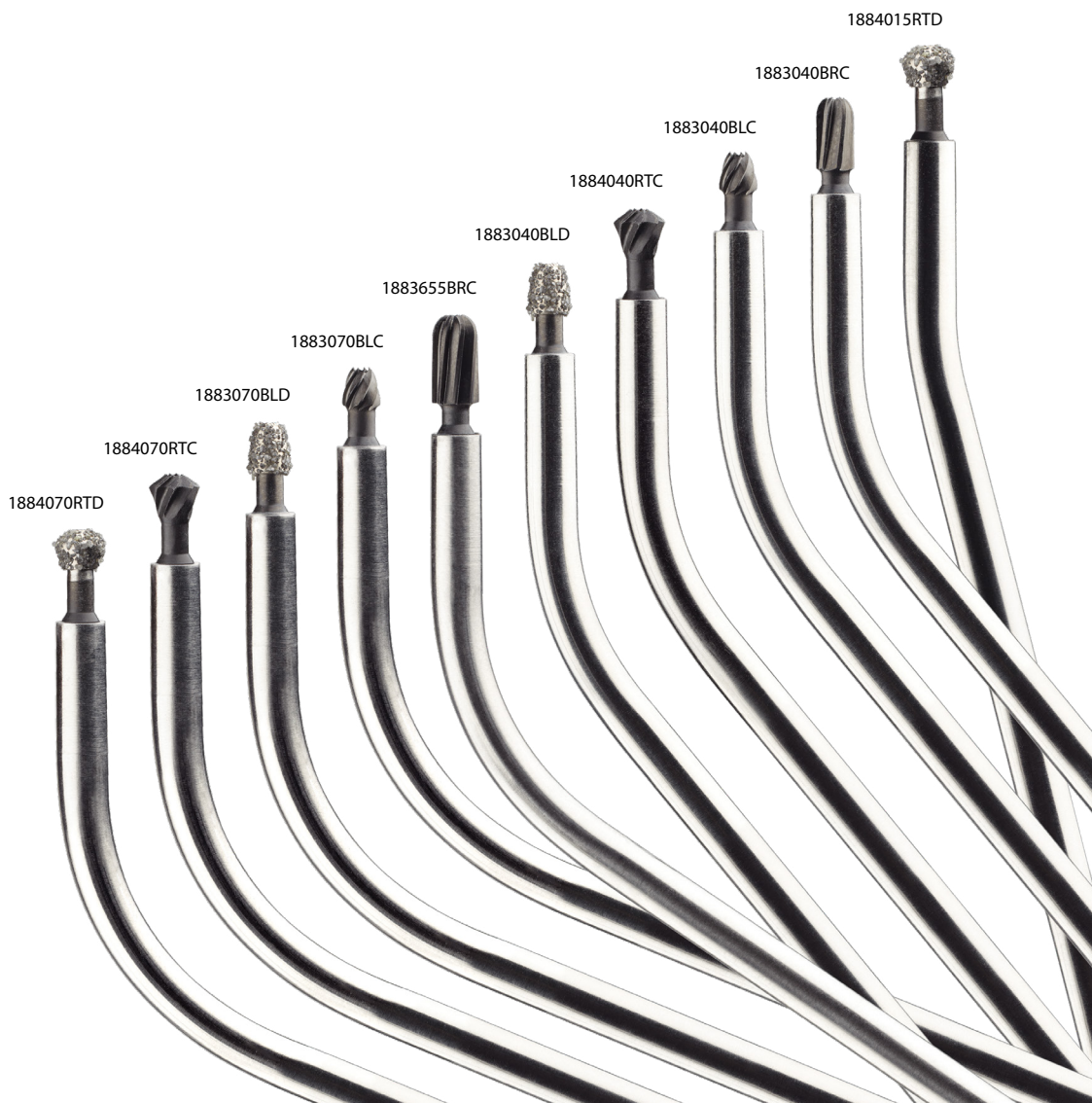


Frontal handpiece tip close-up

30K Burs for the Straightshot® M4 and M5

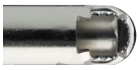
30K Burs

Product	Description	Length	Qty
1884015RTD	30K Tapered Diamond Choanal Atresia Bur, 4.0 mm, 15°	13 cm	1
1883040BLD	30K Bullet Diamond Bur, 3.0 mm, 40°	13 cm	1
1883040BLC	30K Bullet Cutting Bur, 3.0 mm, 40°	13 cm	1
1884040RTC	30K Reverse Tapered Cutting Bur, 4.0 mm, 40°	13 cm	1
1883040BRC	30K Frontal Finesse Barrel Cutting Bur, 3.0 mm, 40°	13 cm	1
1883655BRC	30K Barrel Cutting Bur, 3.6 mm, 55°	13 cm	1
1884070RTD	30K Reverse Tapered Diamond Bur, 4.0 mm, 70°	13 cm	1
1884070RTC	30K Reverse Tapered Cutting Bur, 4.0 mm, 70°	13 cm	1
1883070BLD	30K Bullet Diamond Bur, 3.0 mm, 70°	13 cm	1
1883070BLC	30K Bullet Cutting Bur, 3.0 mm, 70°	13 cm	1



Maximum speed for 30K Burs is 12,000 rpm when used with StraightShot® M4 Microdebrider Handpiece

QUADCUT® BLADES



4.3 mm Quadcut® Straight Rotatable Blade with Automated EM Tracking **1884380EM**

- 13.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing



3.4 mm Quadcut Straight Rotatable Blade with Automated EM Tracking **1883480EM**

- 13.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing



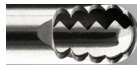
3.0 mm Quadcut Straight Rotatable Blade with Automated EM Tracking **1883080EM**

- 13.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing

Speeds are suggested rpm (revolutions per minute), operated in oscillation mode for blades and (forward) mode for burs.

Measurements are listed in millimeters unless otherwise specified.

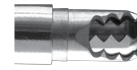
TRICUT® BLADE



4.0 mm Tricut® Straight Rotatable Blade with Automated EM Tracking **1884080EM**

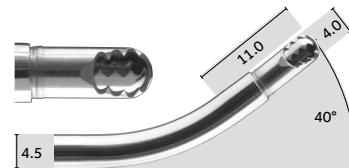
- 13.0 cm long with straight shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing

RAD BLADES



4.0 mm RAD® 12 Curved Rotatable Blade with Automated EM Tracking **1884012EM**

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing



4.0 mm RAD 40 Curved Rotatable Blade with Automated EM Tracking **1884006EM**

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing

IRRIGATION TUBING

Irrigation Tubing for Blades and Burs **1895522**

- For use with IPC® blades and burs
- 5 each

QUADCUT® BLADES

360°



4.3 mm Quadcut® Blade 1884380HR

- 13.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 5 each with irrigation tubing

QUADCUT® BLADES

360°



3.4 mm Quadcut Blade 1883480HRE

- 13.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing

QUADCUT® BLADES

360°



3.0 mm Quadcut Blade 1883080HRE

- 13.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing

Speeds are suggested rpm (revolutions per minute), operated in oscillation mode for blades and (forward) mode for burs.

Measurements are listed in millimeters unless otherwise specified.

TRICUT® BLADES



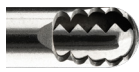
4.0 mm Tricut® Blade **1884004HR**

- 11.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 5 each with irrigation tubing

4.0 mm Tricut® Blade **1884080HR**

- 13.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 5 each with irrigation tubing

TRICUT® BLADES



3.5 mm Tricut® Blade **1883504HR**

- 11.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 5 each with irrigation tubing



2.9 mm Tricut® Blade **1882904HRE**

- 11.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing

SERRATED BLADES



4.0 mm Serrated Blade **1884002HRE**

- 11.0 cm with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing



3.5 mm Serrated Blade **1883502HRE**

- 11.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing



2.9 mm Serrated Blade **1882902HRE**

- 11.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing

SILVER BULLET®

360°



4.0 mm Silver Bullet® Blade **1884005HRE**

- 11.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing
- Developed in conjunction with Rodney Lusk, MD



2.9 mm Silver Bullet® Blade **1882905HRE**

- 11.0 cm long with straight shaft
- Rotates through 360°
- Operating speed: up to 7,500 rpm, oscillate
- 1 each with irrigation tubing
- Developed in conjunction with Rodney Lusk, MD

TURBINATE

360°



2.9 mm Inferior Turbinate Blade **1882940HR**

- 11.0 cm long
- Rotates through 360°
- Straight shaft with elevator
- Operating speed: up to 3,000 rpm, oscillate
- 5 each with irrigation tubing
- Developed in conjunction with Laurence O'Halloran, MD



2.0 mm Inferior Turbinate Blade **1882040HR**

- 11.0 cm long
- Rotates through 360°
- Straight shaft with elevator
- Operating speed: up to 3,000 rpm, oscillate
- 5 each with irrigation tubing
- Developed in conjunction with Laurence O'Halloran, MD

RAD° 12 BLADES

360°



4 mm RAD° 12 Blade 1884012HR

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 7,500 rpm, oscillate
- 5 each, irrigation tubing separate



3.5 mm RAD° 12 Blade 1883512HRE

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 7,500 rpm, oscillate
- 1 each, irrigation tubing separate

IRRIGATION TUBING

Irrigation Tubing for Blades and Burs 1895522

- For use with XPS® blades and burs
- 5 each

RAD° 40 BLADES

360°



4 mm RAD° 40 Blade 1884006HR

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 7,500 rpm, oscillate
- 5 each, irrigation tubing separate

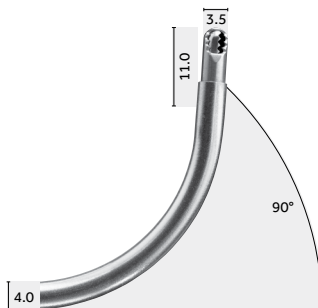


3.5 mm RAD° 40 Blade 1883506HRE

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 7,500 rpm, oscillate
- 1 each, irrigation tubing separate

RAD° 90 BLADE

360°

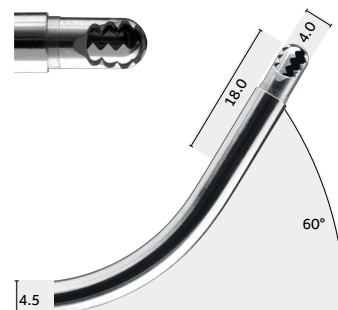


3.5 mm RAD° 90 Blade 1883519HR

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 3,000 rpm, oscillate
- 3 each, irrigation tubing separate

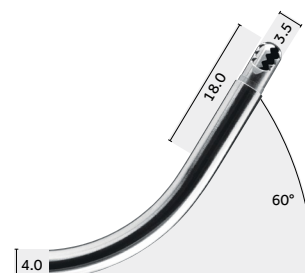
RAD° 60 BLADES

360°



4 mm RAD° 60 Blade 1884016HR

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 5,000 rpm, oscillate
- 5 each, irrigation tubing separate



3.5 mm RAD° 60 Blade 1883516HRE

- 11.0 cm long with curved shaft
- StraightShot® M4 rotates blade tip 360° without shaft rotation
- Operating speed: up to 5,000 rpm, oscillate
- 1 each, irrigation tubing separate

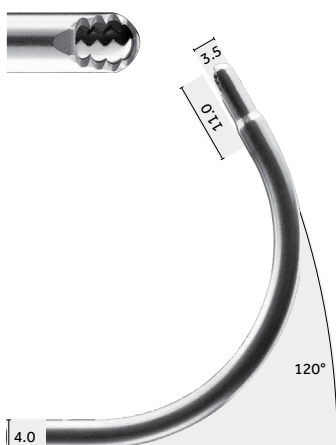
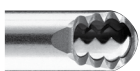
RAD[®] 60 BLADE



2.9 mm RAD[®] 60 Blade **1882916**

- 11.0 cm long with curved shaft
- Operating speed: up to 1,500 rpm, oscillate
- 3 each, irrigation tubing separate

RAD[®] 120 BLADE



3.5 mm RAD[®] 120 Blade **1883517**

- 11.0 cm long with curved shaft
- Operating speed: up to 7,500 rpm, oscillate
- 3 each, irrigation tubing separate

OVAL BUR



3.2 mm Oval Bur, High-Speed 1883264HS

- 12.5 cm long with straight shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate

ROUND BURS



4.5 mm Round Bur, High-Speed 1884560HS

- 12.5 cm long with straight shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate



3.2 mm Round Bur, High-Speed 1883262HS

- 12.5 cm long with straight shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate



2.9 mm Pediatric Round Bur 1882960

- 10.0 cm long with straight shaft
- Operating speed: up to 5,000 rpm (forward)
- 5 each, irrigation tubing separate

ROUTER BUR



4.5 mm Aggressive Router Bur, High-Speed 1884562HS

- 12.5 cm long with straight shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate

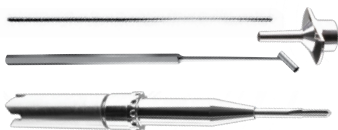
DRILL BIT



Maxillary Trephination 5.0 mm Drill Bit **1884501**

- Developed in conjunction with PJ Wormald, MD

SINUS BUR SET



Mini-Trephination Set

The complete set includes:

- 1882900, 2.0 mm Drill
- 1892001, Drill Guide
- 1892002, Guide Pin
- 1892003, Irrigation Cannula
- 3717005, InstrumIP Tray (not shown)
- Irrigation tubing separate
- Developed in conjunction with Barry Schaitkin, MD

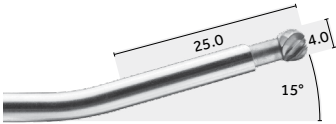
DRILL



Mini-Trephination 2.0 mm Drill Bit **1882900**

- Operating speed: 6,000 rpm (forward)
- Irrigation tubing separate

ASB CUTTING BUR

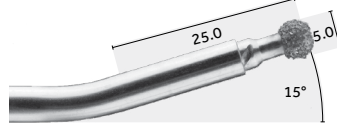


4 mm Anterior Skull Base Cutting Bur*, 15°

1884075HSE

- 15.0 cm long
- Operating speed: up to 12,000 rpm (forward)
- 1 each, irrigation tubing separate
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

ASB DIAMOND BURS



5 mm Anterior Skull Base Diamond Bur*, 15°

1885076HSE

- 15.0 cm long
- Operating speed: up to 12,000 rpm (forward)
- 1 each, irrigation tubing separate
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

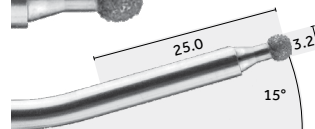
ASB DIAMOND BURS



3.2 mm Anterior Skull Base Diamond Bur*, 40°

1883277HSE

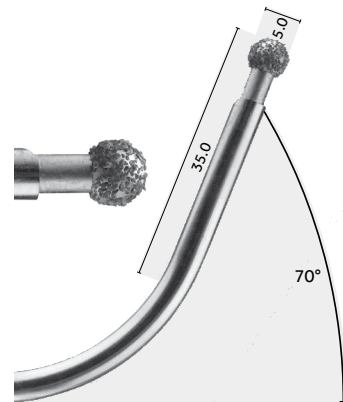
- 15.0 cm long
- Operating speed: up to 12,000 rpm (forward)
- 1 each, irrigation tubing separate
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD



3.2 mm Anterior Skull Base Diamond Bur*, 15°

1883274HSE

- 15.0 cm long
- Operating speed: up to 12,000 rpm (forward)
- 1 each, irrigation tubing separate
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

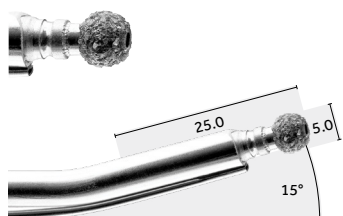


5 mm Anterior Skull Base Diamond Bur*, 70°

1885078HSE

- 13.0 cm long
- Operating speed: up to 12,000 rpm (forward)
- 1 each, irrigation tubing separate
- Developed in conjunction with PJ Wormald, MD, and Aldo Stamm, MD

ROUND DIAMOND BUR



5 mm Curved Round Diamond Bur, High-Speed **1885061HS**

- 12.5 cm long with curved shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate
- Developed in conjunction with David Kennedy, MD

DCR BURS



4 mm Curved DCR Bur, High-Speed **1884068HS**

- 11.0 cm long with curved shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate
- Developed in conjunction with Michael Mercandetti, MD



2.5 mm Curved Diamond DCR Bur, High-Speed **1882569HS**

- 11.0 cm long with curved shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate
- Developed in conjunction with PJ Wormald, MD

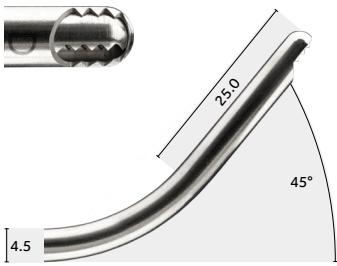
SEPTOPLASTY BUR



3.2 mm Septoplasty Bur, High-Speed **1883212HS**

- 11.0 cm long with curved shaft
- Operating speed: up to 12,000 rpm (forward)
- 3 each, irrigation tubing separate
- Developed in conjunction with Donald Leopold, MD, and Eileen Raynor, MD

RADENOID® BLADES



4.5 mm RADenoid® Adult Blade 1884507

- 13.0 cm long with curved 45° blade
- Operating speed: 1,500 rpm
- 5 each, irrigation tubing separate
- Designed in conjunction with Max April, MD, and J. Lindhe Guarisco, MD



4 mm RADenoid® Blade 1884008

- 11.0 cm long with curved 40° blade
- Operating speed: 1,500 rpm
- 5 each, irrigation tubing separate
- Designed in conjunction with Max April, MD, and J. Lindhe Guarisco, MD

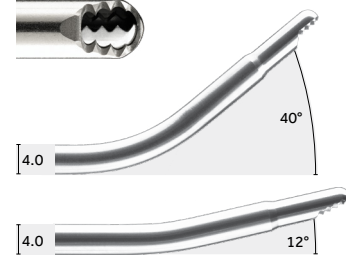
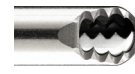
TONSILLECTOMY BLADE



4 mm Tonsillectomy Blade 1884013

- 11.0 cm
- 12° blade
- Operating speed: 1,500 rpm
- 5 each, irrigation tubing separate

T&A BLADE SET



Powered T&A Blade Set 1884008TA

- 13.0 cm
- Removable inner cutting tube
- Operating speed: 1,500 rpm
- 5 each, irrigation tubing separate
- Developed in conjunction with Peter J. Koltai, MD

SKIMMER® BLADES

360°



2.9 mm Skimmer® Angle-Tip Blade

1882979HRE

- 13.0 cm long double-curved blade
- Operating speed: 60-500 rpm
- 15°
- 1 each with irrigation tubing

2.9 mm Skimmer® Angle-Tip Blade

1882925HRE

- 18.0 cm long double-curved blade
- Operating speed: 60-500 rpm
- 15°
- 1 each with irrigation tubing

SKIMMER® BLADES

360°



2.9 mm Skimmer® Angle-Tip Blade

1882923HRE

- 22.0 cm long double-curved blade
- Operating speed: 60-500 rpm
- 15°
- 1 each with irrigation tubing

2.9 mm Skimmer® Angle-Tip Blade

1882924HRE

- 27.0 cm long double-curved blade
- Operating speed: 60-500 rpm
- 15°
- 1 each with irrigation tubing

TRICUT® BLADES

360°



4 mm Tricut® Angle-Tip Laryngeal Blade

1884030HRE

- 22.0 cm long double-curved blade
- Operating speed: 500-1,200 rpm
- 1 each with irrigation tubing
- Developed in conjunction with William Lunn, MD, and Armin Ernst, MD

Speeds are suggested RPM (revolutions per minute), operated in oscillation mode for blades and (forward) mode for burs.

Measurements are listed in millimeters unless otherwise specified.

TRICUT® BLADES



**4 mm Tricut® Angle-Tip
Subglottic Blade**
1884031HRE

- 27.0 cm long double-curved blade
- Operating speed: 500-1,200 rpm
- 1 each with irrigation tubing
- Developed in conjunction with William Lunn, MD, and Armin Ernst, MD

TRICUT® BLADES



**4 mm Tricut® Angle-Tip
Tracheal Blade**
1884033HRE

- 37.0 cm long double-curved blade
- Operating speed: 500-1,200 rpm
- 1 each with irrigation tubing
- Developed in conjunction with William Lunn, MD, and Armin Ernst, MD

TRICUT® BLADES



**4 mm Tricut® Angle-Tip
Bronchial Blade**
1884035HRE

- 45.0 cm long double-curved blade
- Operating speed: 500-1,200 rpm
- 1 each with irrigation tubing
- Developed in conjunction with William Lunn, MD, and Armin Ernst, MD

SKIMMER® BLADES



2.9 mm Skimmer® Angle-Tip Blade

1882925

- 18.0 cm long double-curved blade
- Operating speed: 60-500 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Craig Derkay, MD, and David Darrow, MD

2.9 mm Skimmer® Angle-Tip Blade

1882923

- 22.5 cm long double-curved blade
- Operating speed: 60-500 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Craig Derkay, MD, and David Darrow, MD

SKIMMER® BLADES



3.5 mm Skimmer® Angle-Tip Blade

1883525

- 18.0 cm long double-curved blade
- Operating speed: 60-500 rpm
- 3 each with irrigation tubing

3.5 mm Skimmer® Angle-Tip Laryngeal Blade

1883523

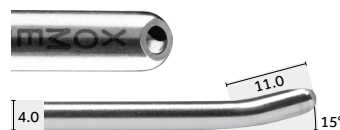
- 22.5 cm long double-curved blade
- Operating speed: 60-500 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Charles Myer, III, MD; Paul Wilging, MD; Brian Wiatrak, MD; Paul Flint, MD; David Parsons, MD; and John Little, MD

3.5 mm Skimmer® Angle-Tip Subglottic Blade

1883524

- 27.5 cm long double-curved blade
- Operating speed: 60-500 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Charles Myer, III, MD; Paul Wilging, MD; Brian Wiatrak, MD; Paul Flint, MD; David Parsons, MD; and John Little, MD

SKIMMER® BLADES



4 mm Skimmer® Angle-Tip Laryngeal Blade

1884023

- 22.5 cm long double-curved blade
- Operating speed: 60-500 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Charles Myer, III, MD; Paul Wilging, MD; Brian Wiatrak, MD; Paul Flint, MD; David Parsons, MD; and John Little, MD

4 mm Skimmer® Angle-Tip Subglottic Blade

1884024

- 27.5 cm long double-curved blade
- Operating speed: 60-500 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Charles Myer, III, MD; Paul Wilging, MD; Brian Wiatrak, MD; Paul Flint, MD; David Parsons, MD; and John Little, MD

TRICUT® BLADES



4 mm Tricut® Angle-Tip Laryngeal Blade **1884030**

- 22.5 cm long double-curved blade
- Operating speed: 1,500 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Paul Flint, MD, and John Little, MD

4 mm Tricut® Angle-Tip Subglottic Blade **1884031**

- 27.5 cm long double-curved blade
- Operating speed: 1,500 rpm
- 3 each with irrigation tubing



4 mm Tricut® Straight-Tip Laryngeal Blade **1884020**

- 22.5 cm long
- Operating speed: 1,200 rpm
- 3 each with irrigation tubing
- Developed in conjunction with Paul Flint, MD, and John Little, MD

SERRATED BLADES



4 mm Serrated Angle-Tip Tracheal Blade **1884033**

- 37.0 cm long
- Operating speed: 1,200 rpm
- 1 each with irrigation tubing
- Developed in conjunction with Paul Flint, MD



2.9 mm Serrated Angle-Tip Blade **1882936E**

- 18.0 cm long double-curved blade
- Operating speed: 500-1,500 rpm
- 1 each with irrigation tubing

2.9 mm Serrated Angle-Tip Blade **1882937E**

- 22.0 cm long double-curved blade
- Operating speed: 500-1,500 rpm
- 1 each with irrigation tubing

TRACHEAL BLADE



4 mm Straight Tracheal Blade **1884032**

- 37.0 cm long
- Operating speed: 1,200 rpm
- 1 each with irrigation tubing
- Developed in conjunction with Paul Flint, MD, and John Little, MD

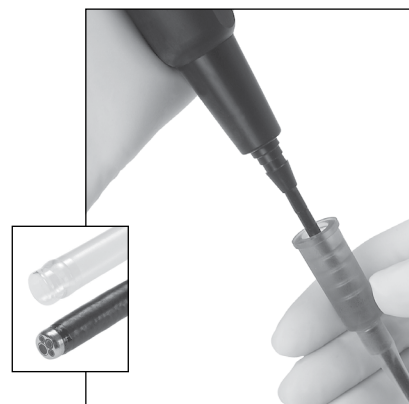
ENDOSCOPY PRODUCTS

Medtronic

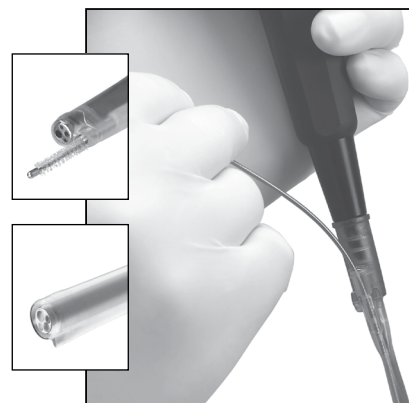
ENT Slide-On® EndoSheath® System

ENT Slide-On® EndoSheath® System

The EndoSheath System provides a sterile, disposable microbial barrier for use with flexible ENT scopes. It is indicated for endoscopic exams performed with a manufacturer-specific flexible nasopharyngoscope.



ENT Slide-On® EndoSheath® System with Working Channel



Slide-On® Sensory Sheath for Flexible ENT Scopes



Biopsy Forceps

Product	Description	Qty
SU111304F	Disposable Laryngeal Biopsy Forceps, 40 cm	10
SU1113075F	Disposable Esophageal Biopsy Forceps, 75 cm	10



Slide-On® EndoSheath® System Selection Guide

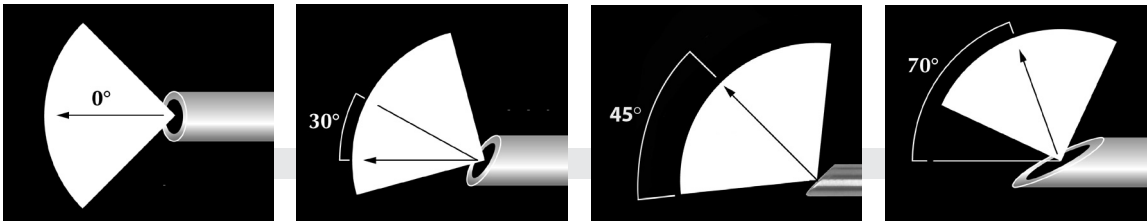
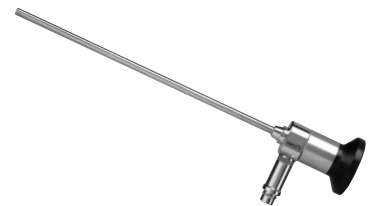
Make	Model	ENT Sheath	ENT Channel	ENT Sensory	TNE
Olympus*	ENF-P2	224301	334301		
Olympus	ENF-P3	224301	334301		
Olympus	ENF-P4	224401	334401	444401	
Olympus	ENF-GP	224401	334401	444401	
Olympus	ENF-XP	224101			
Olympus	ENF-V	224501			
Olympus	ENF-V2	226401			
Olympus	ENF-VQ	225501			
Pentax*	FNL-10P2	225401	335401	445401	
Pentax	FNL-10S	225401	335401	445401	
Pentax	FNL-10BS	225401	335401	445401	
Pentax	FNL-13S	222401	332401	442401	
Pentax	VNL-1330	222401	332401	442401	
Pentax	FNL-7RP3	224101			
Pentax	FNL-10RP2		335401		
Pentax	FNL-10RP3	225401	335401	445401	
Pentax	VNL-1130	225501			
Pentax	VNL-1190STK	225501			
Pentax	VNL-1170K	225501			
Pentax	VNL-1070STK	226401	336401		
Pentax	FNL-10RBS	225401	335401	445401	
Machida*	ENT-3L	225301			
Machida	ENT-4L	222401	332401		
Machida	ENT-2L	222101			
Machida	ENT-30PIII	225301			
Medtronic	1880500	225401	335401	445401	
Optim*	ENTity	224401		444401	
Optim	ENTity SD	225101			
Optim	ENTity XL	224401		444401	
Optim	ENTity SDXL	225101			
Optim	ENT 3.6F	224401			
Karl Storz*	11101RP	226301			
Karl Storz	11101RP-1	226401	336401	445401	
Karl Storz	11101RP2	226401	336401		
Karl Storz	11101SK1	226101			
Welch Allyn*	RL-150	225401	335401	445401	
Gyrus ACMI*	Duraview OL-1	225301			
Gyrus ACMI	800-600	225401		445401	
Vision Sciences*	ENT-5000	225601	335601	445601	
Vision Sciences	ENT-4500	225101			
Vision Sciences	ENT-4000	225601	335601	445601	
Vision Sciences	ENT-3000	225401	335401	445401	
Vision Sciences	ENT-2000	225401	335401	445401	
Vision Sciences	ENT-1000	225101			
Vision Sciences	E-F100*	225301		445301	
Vision Sciences	TNE-5000, 2.1 mm				035101
Vision Sciences	TNE-5000, 1.5 mm				035102
Vision Sciences	TNE-2000, 1.5 mm				032101
Xion*	EV-N	225501			
Xion	EF-NS	226401	336401		
Xion	EV-NE	222401	332401		
Xion	EV-NC			444401	
Richard Wolf	7224.001		335401	445401	
Richard Wolf	7224.001 S02		335401	445401	

* Requires use of catalog number 021106, E-F100 Slide-On® Endosheath® Adapter

Sharpsite® AC X Autoclavable Endoscopes

- Built-in wide angle field of view of 0°, 30°, 45°, and 70° endoscopes
- Flash autoclaving produces a sterile scope and provides an alternative to hazardous soak solutions
- Color-coded for identification
- HD-compatible

Product	Diameter	Length	DOV	FOV	Color	Qty
1880160	2.7 mm	187.5 mm	0°	97°	Green	1
1880161	2.7 mm	187.5 mm	30°	87°	Red	1
1880152	4 mm	175 mm	0°	102°	Green	1
1880153	4 mm	175 mm	30°	100°	Red	1
1880154	4 mm	175 mm <td 70°	102°	Yellow	1	
1880155	4 mm	175 mm	45°	95°	Black	1



Endoscope Protection Sleeve

- Helps protect endoscopes during storage and transportation

Product	Qty
1880100	1



Sharpsite® Flexible ENT Scope

- Includes an internal strain relief
- 25 mm length of tip angulation
- Wide angle field of view
- Fiberoptic integrated illumination; detachable, protected light guide, L=1.8 m
- Accessories included: ETO valve, pressure tester, instruction manual, carrying case

Product	Diameter	Length	DOF	DOV	Angulation	Qty
1880500	3.8 mm	300 mm	6 mm to 1,000 mm	0°	3.8 mm = 120°	1
1880525	3.2 mm	300 mm	6 mm to 1,000 mm	0°	3.2 mm = 160°	1



Endoscopy Products

DOF = Depth of focus DOV = Direction of View FOV = Field of View

Endo-Scrub® 2 Lens Cleaning System Accessories

Product	Description	Qty
1852000	Endo-Scrub 2 Footswitch	1
1991015	Endo-Scrub Fingerswitch	1
1912030	Endo-Scrub 2 Tubing	5

Endo-Scrub® 2 Sheaths

Item No.	Size	Angle	Compatible Scopes	Qty
1912023	2.7 mm	0°	Karl Storz®, 27018A	5
1912002	4 mm	0°	Karl Storz, 7200A	5
1912000	4 mm	0°	Karl Storz, 7230AA	5
1912012	4 mm	30°	Karl Storz, 7200B	5
197230BLA	4 mm	30°	Karl Storz, 7230BLA	5
197230BRA	4 mm	30°	Karl Storz, 7230BRA	5
197230BVA	4 mm	30°	Karl Storz, 7230BVA	5
1912010	4 mm	30°	Karl Storz, 7230BA	5
1912013	4 mm	45°	Karl Storz, 7210FA	5
197230FLA	4 mm	45°	Karl Storz, 7230FLA	5
1912013	4 mm	45°	Karl Storz, 7230FA	5
197230CRA	4 mm	70°	Karl Storz, 7230CRA	5
197230CVA	4 mm	70°	Karl Storz, 7230CVA	5
1912020	4 mm	70°	Karl Storz, 7230CA	5
1912050	4 mm	0°	Linivtec®, HD4000R	5
1912051	4 mm	30°	Linivtec, HD4300R	5
1912051	4 mm	30°	Linivtec, QL4300R	5
1912023	2.7 mm	0°	Medtronic, 1880160	5
1912027	2.7 mm	30°	Medtronic, 1880161	5
1912000	4 mm	0°	Medtronic, 1880152	5
1912010	4 mm	30°	Medtronic, 1880153	5
1912015	4 mm	45°	Medtronic, 1880155	5
1912020	4 mm	70°	Medtronic, 1880154	5
1912032	4 mm	0°	Olympus®, A7594A	5
1912033	4 mm	0°	Olympus, A70940A	5
1912038	4 mm	0°	Olympus, WA96200A	5
1912031	4 mm	30°	Olympus, A7595A	5
1912034	4 mm	30°	Olympus, A70941A	5
1912039	4 mm	30°	Olympus, WA96201A	5
1912039REV	4 mm	30°	Olympus, WA96202A	5
1912036	4 mm	45°	Olympus, WA96203A	5
1912036REV	4 mm	45°	Olympus, WA96204A	5
1912035	4 mm	70°	Olympus, A70942A	5
1912037	4 mm	70°	Olympus, WA96205A	5
1912037REV	4 mm	70°	Olympus, WA96206A	5
1912008	4 mm	0°	Richard Wolf, 888.0431	5
1912008	4 mm	0°	Richard Wolf, 585412	5
1912018	4 mm	25°	Richard Wolf, 8475.42	5
1912019	4 mm	25°	Richard Wolf, 8885.433	5
1912019	4 mm	25°	Richard Wolf, 8880.433	5
1912024	2.7 mm	0°	Smith & Nephew®, 23-0853	5
1912028	2.7 mm	30°	Smith & Nephew, 23-0854	5
1912004	4 mm	0°	Smith & Nephew, 23-0850	5
1912004	4 mm	0°	Smith & Nephew, 70230910	5
1912014	4 mm	30°	Smith & Nephew, 23-0851	5
1912040	4 mm	0°	Stryker®, 502-477-011	5
1912041	4 mm	30°	Stryker, 502-477-031	5
1912042	4 mm	45°	Stryker, 502-477-045	5
1912043	4 mm	70°	Stryker, 502-477-071	5



Note: All 0° sheaths are packaged with tubing. Tubing may be purchased separately if a 0° sheath is not being used.

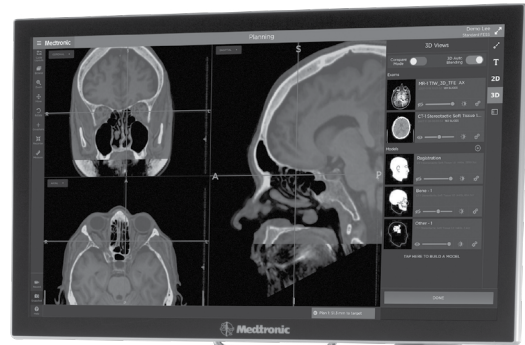
ENT NAVIGATION SOLUTIONS

Medtronic

StealthStation™ ENT Navigation System

The StealthStation™ ENT is a navigation system for your most basic to your most complex cases. It is built on decades of scientific, clinical and engineering research.

- Flat under-the-head emitter
- Optional side-mount emitter
- Additional EM coils create large EM field
- Patient registration provides numerical and visual accuracy feedback
- Virtual endoscopy provides a simulated 3D endoscopic view of the sinuses
- 3D modeling



FUSION Compact™ ENT Navigation System

The modular Fusion Compact™ gives you the freedom to use navigation where and when you need it.

- Convenient, portable
- Touchscreen interface
- Digital video input and output
- 8 ports for AxiEM™ instruments
- Familiar Medtronic navigation design
- Optimal tripod stand for emitter and emitter arm



StealthStation™ ENT Navigation System

Product	Description	Qty
9735669KIT	StealthStation™ ENT Navigation System with Power Pack	1

FUSION Compact™ ENT Navigation System

Product	Description	Qty
FUSIONCOMP	FUSION Compact™ ENT Navigation System	1

**Product Codes may vary if ordered standalone or in a kit. Please confirm the correct product code for your site with your Medtronic Representative.*

Reusable Standard Instrument Set

Product	Description	Qty
9733452XOM	Reusable Standard Instrument Set	1
<i>Set Includes:</i>		
9733445	Head Frame Kit	1
9733446	Registration Probe	1
9733447	Straight Probe	1
9733449	Straight Suction	1
9733450	Curved Suction, 70°	1
9733451	Curved Suction, 90°	1
9733448	Ostium Seeker	1
9733455	Instrument Tray	1
960363	Strap, ENT FESS	3
9732500XOM	Adhesive Pad	25
9732501XOM	Silicone Pad	3
9732379	Imaging Protocol	1
9730713	Sterilization Reference Sheet	1



Supplemental Instrument Set

Product	Description	Qty
9734378XOM	Supplemental Instrument Set	1
<i>Set Includes:</i>		
9734306	Frontal Suction, 45°	1
9734307	Frontal Suction, 90°	1
9734308	Small Straight Suction	1
9734311	Elevator	1
9733446	Registration Probe	1
9733445	Head Frame Kit	1
9734320	Instrument Tray	1
960363	Strap, ENT FESS	3
9732500XOM	Adhesive Pad	25
9732501XOM	Silicone Pad	3
9732379	Imaging Protocol	1

**The Medtronic family of navigation systems (StealthStation™ ENT, Fusion™ and FUSION™ Compact) will work with the instrument sets, balloons, suctions and blades listed on these pages.*

Optional Accessories

Product	Description	Qty
9735960	Side Emitter	1
9734691XOM	Surgeon Mouse Kit	1
9733533XOM	Instrument Tracker, ENT	1
9733534XOM	Patient Tracker, ENT	1
9734887XOM	AxiEM [®] Non-Invasive Patient Tracker	1
9732315	Wireless Mouse Cover, Sterile	15
9731831XOM	Emitter Cover, Sterile	1
9731132	Dynamic Reference (DRF) (EM, Bone Fixation)	5
9732500XOM	Adhesive Pads	25
9734320XOM	Supplemental Instrument Tray	1



IGS Software

Product	Description	Qty
9735736	StealthStation™ ENT Software	1
9735920	StealthStation™ Planning Station ENT Software	1
9736155	StealthMerge™ Software	1
9735742	Stealth™ 3D Software	1

IGS Software Support Program

Product	Description	Qty
SRVC2-9732560XOM2	StealthStation™ ENT Service and Support Agreement	1
SERVICEH5-ENTMCT	StealthStation™ ENT Service Agreement	1

Planning Station

Product	Description	Qty
9735894KIT	StealthStation™ ENT Planning Station Kit	1

Set Includes:

9735894	Stealth S8 Planning Station	1
9736009	Power Pack PS Stealth S8 English Only	1

*The Medtronic family of Navigation systems (StealthStation ENT, Fusion and Fusion Compact) will work with the instrument sets, balloons, suction and blades listed on these pages.

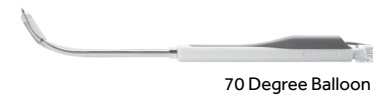
NuVent™ EM Sinus Dilation System Balloon Dilation with Integrated Navigation

- For use with Medtronic ENT electromagnetic (EM) navigation
- Frontal, maxillary, and sphenoid designs
- 5mm, 6mm, and 7mm balloon size options

Product	Description	Qty
70 Degree Balloons		
1830517FRT70	70 Degree Balloon 5.0mm x 17.0mm	1
1830617FRT70	70 Degree Balloon 6.0mm x 17.0mm	1
1830717FRT70	70 Degree Balloon 7.0mm x 17.0mm	1
Frontal Balloons		
1830517FRT	Balloon Seeker, EM Frontal Balloon 5.0mm x 17.0mm	1
1830617FRT	Balloon Seeker, EM Frontal Balloon 6.0mm x 17.0mm	1
1830717FRT	Balloon Seeker, EM Frontal Balloon 7.0mm x 17.0mm	1
Maxillary Balloons		
1830507MAX	Balloon Seeker, EM Maxillary Balloon 5.0mm x 7.0mm	1
1830607MAX	Balloon Seeker, EM Maxillary Balloon 6.0mm x 7.0mm	1
1830707MAX	Balloon Seeker, EM Maxillary Balloon 7.0mm x 7.0mm	1
Sphenoid Balloons		
1830517SPH	Balloon Seeker, EM Sphenoid Balloon 5.0mm x 17.0mm	1
1830617SPH	Balloon Seeker, EM Sphenoid Balloon 6.0mm x 17.0mm	1
1830717SPH	Balloon Seeker, EM Sphenoid Balloon 7.0mm x 17.0mm	1
Inflator		
183INFKIT	Kit, Inflator	1



NuVent Balloon Package



70 Degree Balloon



Frontal Balloon



Maxillary Balloon



Sphenoid Balloon

Malleable Suction Instruments

- Plug-and-play with Medtronic ENT electromagnetic (EM) navigation
- Multiple lengths, diameters, and tips
- Standard suction design with built-in EM tracker

Product	Description	Qty
9735015	Small standard tip, 14.5 cm	1
9735016	Medium standard tip, 16.5 cm	1
9735017	Medium angle tip, 16.5 cm	1
9735018	Medium ball tip, 16.5 cm	1
9735019	Large standard tip 20 cm	1



9735016



9735017



9735018

*The Medtronic family of Navigation systems (StealthStation ENT, Fusion and Fusion Compact) will work with the instrument sets, balloons, suctions and blades listed on these pages.

Straightshot® Automated EM Tracking Blades

Product	Description	Qty
1884012EM	RAD® 12 Curved Rotatable Blade with Automated EM Tracking, 4 mm	1
1884006EM	RAD 40 Curved Rotatable Blade with Automated EM Tracking, 4 mm	1
1884080EM	Tricut® 13 cm Straight Rotatable Blade with Automated EM Tracking, 4 mm	1
1895522	Irrigation Tubing	5
1883080EM	Quadcut® Straight Rotatable Blade with Automated EM Tracking, 3.0 mm	1
1883480EM	Quadcut® Straight Rotatable Blade with Automated EM Tracking, 3.4 mm	1
1884380EM	Quadcut® Straight Rotatable Blade with Automated EM Tracking, 4.3 mm	1



1884080EM

IGS Instructional Literature

Product	Description	Qty
9732379	Imaging Protocol Sheet	1

NERVE MONITORING EQUIPMENT

Medtronic

NIM-Response® 3.0 Nerve Monitoring System

4-Channel Monitor

System Requirements

Product	Description	Qty
8253002	Mainframe, NIM-Response 3.0, International	1
8253200	Patient Interface Box, 4-Channel	1
8253600	Patient Simulator, Universal	1
8220325	NIM® Muting Probe	1

Includes one choice of a power cord:

1895821	Power Cord - United Kingdom, 2.5 meter	1
1895822	Power Cord - Continental Europe, 2.5 meter	1
1895824	Power Cord - United Kingdom, 6 meter	1
1895825	Power Cord - Continental Europe, 6 meter	1
1897821	Power Cord - North America, 6 meter	1

Includes one choice of a User Guide:

8253050A	User Guide, EN, SP, FR, PO, GR	1
8253050B	User Guide, EN, FR, DE, DU, IT	1
8253050C	User Guide, EN, SW, DA, FI, NO	1
8253050D	User Guide, EN, PO, CZ, HU, TR	1
8253050E	User Guide, EN, RU (CD)	1
8253050F	User Guide, EN, International	1
8253062	Service Manual	1



8253002



8253200

Accessories

Product	Description	Qty
8253010	Surgeon Mini Screen (Includes cable)	1
8253080	Cable to Surgeon Mini Screen (Replacement)	1
8253020	NIM 3.0 System Cart	1
8253030	Keyboard, Medical Grade	1
8253035	Storage Case	1
8253040	Biomed Test Kit, Universal	1
8253070	Fuse Kit - Mainframe, 2.5 AMP	1
8253075	Fuse Kit - Patient Interface, 32MA	1
8253085	Video/Audio Recording Adapter Kit	1



8253020

Printer Accessories

Product	Description	Qty
8253251	Ink Cartridge 8253251 Canon 250 PGBK XL	1
8253252	Ink Cartridge 8253252 Canon 251 BK XL	1
8253253	Ink Cartridge 8253253 Canon 251 GY XL	1
8253254	Ink Cartridge 8253254 Canon 251 CMY XL	1

NIM-Neuro® 3.0 Nerve Monitoring System

8-Channel Monitor

System Requirements

Product	Description	Qty
8253402	Mainframe, NIM-Neuro 3.0, International	1
8253410	Patient Interface Box, 8-Channel	1
8253600	Patient Simulator, Universal	1
8220325	NIM® Muting Detector Probe	1

Includes one choice of a power cord:

1895821	Power Cord - United Kingdom, 2.5 meter	1
1895822	Power Cord - Continental Europe, 2.5 meter	1
1895824	Power Cord - United Kingdom, 6 meter	1
1895825	Power Cord - Continental Europe, 6 meter	1
1897821	Power Cord - North America, 6 meter	1

Includes one choice of a User Guide:

8253050A	User Guide, EN, SP, FR, PO, GR	1
8253050B	User Guide, EN, FR, DE, DU, IT	1
8253050C	User Guide, EN, SW, DA, FI, NO	1
8253050D	User Guide, EN, PO, CZ, HU, TR	1
8253050E	User Guide, EN, RU (CD)	1
8253050F	User Guide, EN, International	1
8253062	Service Manual	1



Accessories

Product	Description	Qty
8253010	Surgeon Mini Screen (includes cable)	1
8253080	Surgeon Mini Screen Cable (replacement)	1
8253015	Microscope Cable	1
8253020	NIM 3.0 System Cart	1
8253030	Keyboard, Medical Grade	1
8253035	Storage Case	1
8253040	Biomed Test Kit, Universal	1
8253070	Mainframe Fuse Kit, 2.5 AMP	1
8253075	Patient Interface Fuse Kit, 32MA	1
8253085	Video/Audio Recording Adapter Kit	1



Printer Accessories

Product	Description	Qty
8253251	Ink Cartridge 8253251 Canon 250 PGBK XL	1
8253252	Ink Cartridge 8253252 Canon 251 BK XL	1
8253253	Ink Cartridge 8253253 Canon 251 GY XL	1
8253254	Ink Cartridge 8253254 Canon 251 CMY XL	1

NIM TriVantage® EMG Endotracheal Tube

- Recording electrode leads are twisted pair
- Packaged sterile with one green and one white subdermal needle
- Single use

Product	ID	OD	Qty
8229705	5.0 mm	6.5 mm	1
8229706	6.0 mm	8.2 mm	1
8229707	7.0 mm	9.5 mm	1
8229708	8.0 mm	10.7 mm	1
8229709	9.0 mm	12.0 mm	1
8229735	5.0 mm	6.5 mm	3
8229736	6.0 mm	8.2 mm	3
8229737	7.0 mm	9.5 mm	3
8229738	8.0 mm	10.7 mm	3
8229739	9.0 mm	12.0 mm	3



NIM Contact® EMG Reinforced Endotracheal Tube

- Recording electrode leads are twisted pair
- Packaged sterile with one green and one white subdermal needle
- Single use

Product	ID	OD	Qty
8229506	6.0 mm	9.0 mm	1
8229507	7.0 mm	10.5 mm	1
8229508	8.0 mm	11.5 mm	1



All measurements in millimeters.
 ID = Inner Diameter, OD = Outer Diameter

NIM® EMG Reinforced Endotracheal Tube

- Recording electrode leads are twisted pair
- Packaged sterile with one green and one white subdermal needle
- Single use

Product	ID	OD	Qty
8229306	6.0 mm	8.8 mm	1
8229307	7.0 mm	10.2 mm	1
8229308	8.0 mm	11.3 mm	1

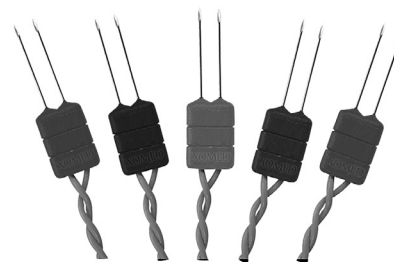


Probes: Monopolar Stimulating

Prass Paired Electrodes with Small Hub

- Sterile, single use

Product	Description	Qty
8227414	2-Channel, 12.5 mm	5 sets
8227415	4-Channel, 12.5 mm	5 sets
8227418	2-Channel, 18.0 mm	5 sets
8227419	4-Channel, 18.0 mm	5 sets



Incrementing Probe*

- Individual sterile packages
- Single use

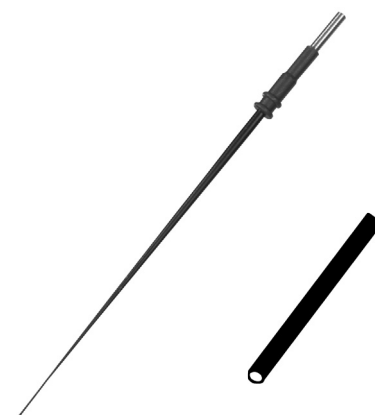
Product	Description	Qty
8225825	Prass Standard Tip	3
8225490	Ball Tip, 1 mm	3



Standard Prass Flush-Tip Monopolar Stimulator Probe

- Individual sterile packages
- Single use

Product	Description	Qty
8225101	Probes (Tips and Handles)	5
8225110	Tips Only	10

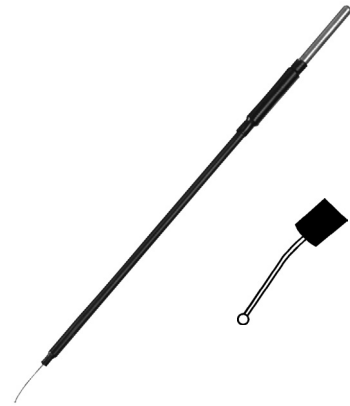


* For use with NIM-Response® and NIM-Neuro® models 2.0 or later.

Yingling Flex Tip Monopolar Stimulator Probe

- Packaged sterile with one green subdermal electrode
- Single use

Product	Description	Qty
8225251	Tips and Handles	5



Ball-Tip Monopolar Stimulator Probe

- Sterile, single use

Product	Description	Qty
8225275	Tip and Handle, 1.0 mm	1
8225277	Tips Only, 1.0 mm	10
8225276	Tip and Handle, 2.3 mm	1
8225278	Tips Only, 2.3 mm	10



Monopolar Probe Handles

- Individual sterile packages
- Single use

Product	Description	Qty
8225051	Handles	10

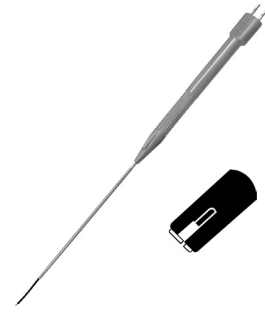


Probes: Bipolar Stimulating

Prass Bipolar Stimulator Probe

- Sterile, single use

Product	Qty
8225451 Probes	5



Concentric Bipolar Stimulating Probe

- Sterile, single use

Product	Qty
8225351 Probes	5



Side-by-Side Bipolar Stimulating Probe

- Sterile, single use

Product	Description	Qty
8225401	Probes	5



APS® (Automatic Periodic Stimulation) Electrode*

•Sterile, single use

Product	Description	Qty
8228052	2 mm, Size Range 2 mm to 3 mm	1
8228053	3 mm, Size Range 3 mm to 4 mm	1
8253054	APS Handswitch	1



Stim Bur Guard**

•Sterile, single use

Product	Description	Qty
3318601	With Irrigation	1 each
3318602	Without Irrigation	1 each



*For use with NIM-Response® 3.0 and NIM-Neuro® 3.0 models only.

**For use with NIM® models 2.0 and later, the Visao® High-Speed Otolgic Drill and Integrated Power Console (IPC®) System.

EMG Hookwire Electrodes

- Sterile, single use

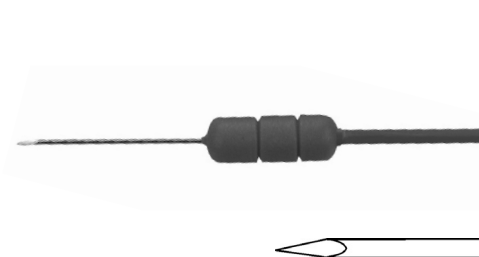
Product	Description	Qty
8226626	Single Electrodes, 25 mm	6
8226326	Paired Electrodes, 25 mm	1 set



Subdermal Needle Electrodes

- Packaged with one green and one white subdermal electrode
- Sterile, single use

Product	Description	Qty
8227103	2-Channel, 12 mm	6



Bulk-Packed Subdermal Electrodes

- Packaged in 25 of one color or a mix of colors
- Sterile, lancet-tip needle electrodes
- Available in ten different colors
- 12.0 mm needle electrodes with 5 ft. long wire

Product	Description	Qty
8227130	Needle Electrodes, Red	25
8227131	Needle Electrodes, Yellow	25
8227132	Needle Electrodes, Blue	25
8227133	Needle Electrodes, Violet	25
8227134	Needle Electrodes, Green	25
8227135	Needle Electrodes, Black	25
8227136	Needle Electrodes, Orange	25
8227137	Needle Electrodes, White	25
8227138	Needle Electrodes, Brown	25
8227139	Needle Electrodes, Gray	25
8227140	Needle Electrodes, Mixture 1 includes 5 red, 5 blue, 5 green, 5 white, 5 yellow	25
8227141	Needle Electrodes, Mixture 2 includes 5 black, 5 gray, 5 orange, 5 violet, 5 brown	25

Subdermal Needle Twisted Pair Electrode Set

- Packaged with one green and one white subdermal electrode
- Sterile, single use

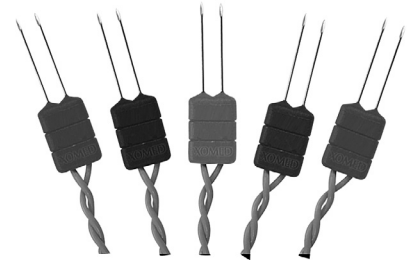
Product	Description	Qty
8227421	4-Channel, 22 mm	1 set
8227422	8-Channel, 22 mm	1 set



Paired Subdermal Electrodes

- Packaged with one green and one white subdermal electrode
- Sterile, single use

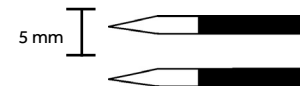
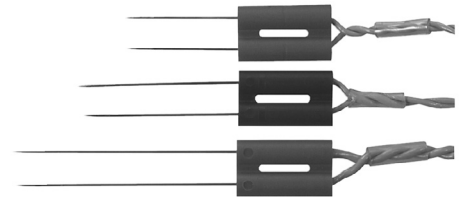
Product	Description	Qty
8227410	2-Channel, 12 mm	1 set
8227411	4-Channel, 12 mm	1 set
8227412	8-Channel, 12 mm	1 set
8227465	Mix 1: Red, Blue, Orange, Violet, Gray	25
8227466	Mix 2: Yellow, Green, Tan, Black, White	25



Prass Paired Electrodes

- Packaged with one green and one white subdermal electrode
- Sterile, single use

Product	Description	Qty
8227304	2-Channel, 18 mm, 1 M Cable	5 sets
8227301	2-Channel, 25 mm, 1 M Cable	5 sets
8227307	2-Channel, 38 mm, 1 M Cable	5 sets
8227500	4-Channel, 18 mm, 2 M Cable	1 set
8227505	4-Channel, 25 mm, 2 M Cable	1 set
8227510	2-Channel, 18 mm, 2 M Cable	5 sets
8227515	2-Channel, 25 mm, 2 M Cable	5 sets



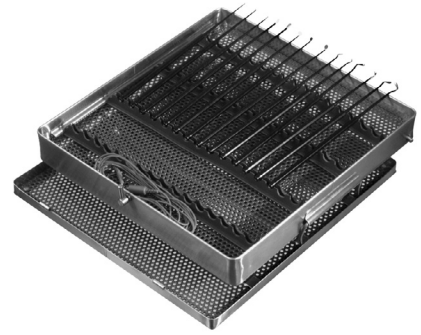
Stimulus Dissection Instrument Set

Product	Qty
1352401 Curved Needle	1
1352402 Elevator	1
1352412 Ring Dissector, 3.0 mm, Regular	1
1352413 Ring Dissector, 2.0 mm, Regular	1
1352408 Sickle Knife	1
1352409 90° Hook	1
1352415 Cable, 9 ft	1
1352407 Storage Case	1



Neurotologic Stimulus Dissection Instrument Set

Product	Description	Qty
1353401	Right Angled Pick, Short	1
1353402	Right Angled Pick, Long	1
1353403	Curved Needle	1
1353404	Duck Bill Elevator, Medium	1
1353405	Duck Bill Elevator, Wide	1
1353406	Round Knife, 3.0 mm	1
1353407	Round Knife, 4.0 mm	1
1353408	Round Knife, 5.0 mm	1
1353409	Raspatory, Narrow Right	1
1353410	Raspatory, Narrow Left	1
1353411	Raspatory, Medium Right	1
1353412	Raspatory, Medium Left	1
1353413	Raspatory, Wide Right	1
1353414	Raspatory, Wide Left	1
1352415	Cable, 9.0 ft	1
1352396	Instrument Tray	1



1353401



1353402



1353402



1353404



1353405



1353406



1353407



1353411



1353413



1352396

Thin Ring Dissectors

Product	Description	Qty
1352403	Ring Dissector, 3.0 mm, Thin	1
1352404	Ring Dissector, 2.0 mm, Thin	1



Large Crabtree

Product	Description	Qty
1352410	Large Crabtree, 3.0 mm	1



Vari-Stim® III Hand-Held Nerve Locator/Stimulator

- Battery-powered, single use
- Individual sterile packages

Product	Description	Qty
8562010	Vari-Stim Stimulators	10



VENTILATION TUBES AND MYRINGOTOMY ACCESSORIES

Medtronic

Dimensions

All dimensions are approximate and subject to normal manufacturing variance.

All measurements are listed as millimeters.

ID = Inner Diameter

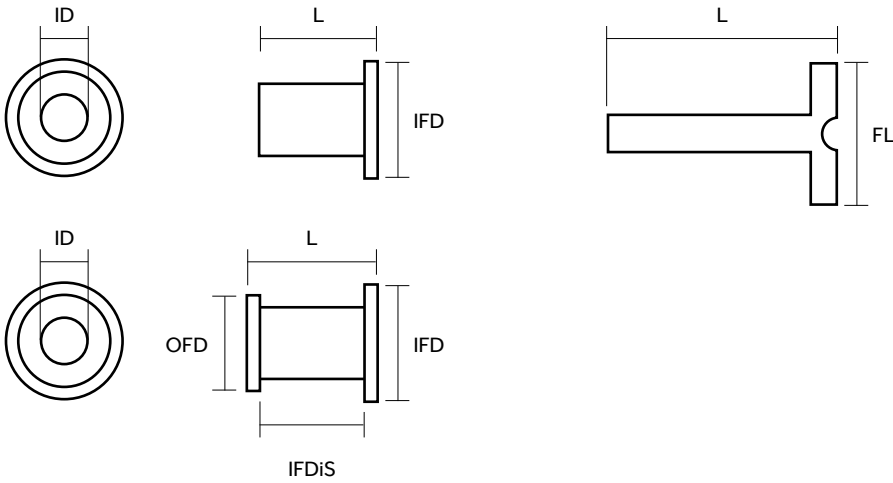
IFD = Inner Flange Diameter

OFD = Outer Flange Diameter

IFDiS = Interflange Distance

L = Length

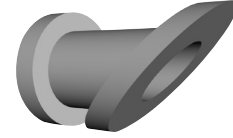
FL = Flange Length



Armstrong Beveled Grommets

Designed by Beverly W. Armstrong, MD, Charlotte, NC

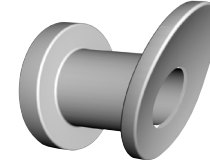
Material	Feature	Color	RT	Qty	ID	IFD	Product
Activent Silicone		Black	INT	5	1.14	3.5	1026055
Activent Silicone		Black	INT	5 pairs	1.14	3.5	1046055
Microgel®	Tab	Green	INT	5	1.14	3.5	25501
Microgel	Tab	Green	INT	5 pairs	1.14	3.5	25502
FLPL		Green	INT	5	1.14	3.5	1010030
FLPL		Green	INT	50	1.14	3.5	1010031
Silicone		Green	INT	5	1.14	3.5	1010055
Silicone		Green	INT	50	1.14	3.5	1010056
Silicone	Tab	Green	INT	5	1.14	3.5	24502
Firm Silicone	Tab	Green	INT	5	1.14	3.5	24501
H/C-Flex®		Sea Green	INT	5	1.14	3.5	1056032
H/C-Flex		Sea Green	INT	5 pairs	1.14	3.5	1066032
H/C-Flex		Sea Green	INT	50	1.14	3.5	1076032



Armstrong Beveled Grommets, Modified

Designed by Beverly W. Armstrong, MD, Charlotte, NC

Material	Color	RT	Qty	ID	IFD	Product
Microgel®	Blue	INT	5	1.14	3.5	1081101
FLPL	Green	INT	5	1.14	3.5	1010170
FLPL	Green	INT	5 pairs	1.14	3.5	1040045
FLPL	Green	INT	50	1.14	3.5	1010171
FLPL	White	INT	5	1.14	3.5	1014242
FLPL	White	INT	5 pairs	1.14	3.5	1040024
FLPL	White	INT	50	1.14	3.5	1014243
FLPL	White	INT	5	1.14	3.5	14421



RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Ventilation Tubes: Temporary

Armstrong Beveled Straight Shanks

Designed by Beverly W. Armstrong, MD, Charlotte, NC

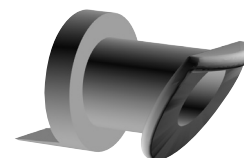
Material	Color	RT	Qty	ID	IFD	L	Product
FLPL	Green	ST	5	1.14	2.50	7.00	1010000
Silicone	Green	ST	5	1.14	2.50	7.00	1010040



Armstrong V Grommets

Designed by Beverly W. Armstrong, MD, Charlotte, NC

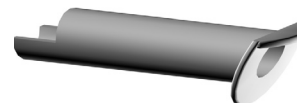
Material	Color	RT	Qty	ID	IFD	Product
H/C-Flex®	Sea Green	ST	5	1.14	2.1	1056033
H/C-Flex	Sea Green	ST	5 pairs	1.14	2.1	1066033



Armstrong V Tubes

Designed by Beverly W. Armstrong, MD, Charlotte, NC

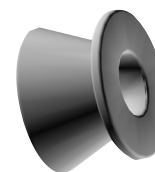
Material	Color	RT	Qty	ID	L	Product
FLPL	White	INT	5	1.14	4.50	1056121
FLPL	White	INT	5 pairs	1.14	4.50	1066121
H/C Flex®	Sea Green	INT	5	1.14	4.50	1056031



Baxter Beveled Buttons

Designed by David Baxter, RN, Boston, MA

Material	Color	RT	Qty	ID	IFD	L	Product
Activent® FLPL	Black	INT	5	1.27	3.0	2.1	34611
Activent® Silicone	Black	ST	5	1.27	2.6	2.1	26631
FLPL	White	ST	5	0.97	2.3	1.6	14621
FLPL	White	ST	5 pairs	0.97	2.3	1.6	14622
FLPL	White	INT	5	1.27	3.0	2.1	14611
FLPL	White	INT	5 pairs	1.27	3.0	2.1	14612
Firm Silicone	Green	ST	5	1.27	2.6	2.1	24631



RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Baxter Beveled T-Grommets

Designed by David Baxter, RN, Boston, MA

Material	Color	RT	Qty	ID	FL	L	Product
Firm Silicone	Green	LT	5	1.27	9.5	3.0	24651
Firm Silicone	Green	LT	5 pairs	1.27	9.5	3.0	24652



Beveled Bobbins

Material	Color	RT	Qty	ID	Product
FLPL	White	ST	5	1.14	1056179



Cohen T-Grommets

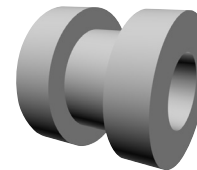
Designed by Richard Cohen, MD, Grants Pass, OR

Material	Color	RT	Qty	ID	FL	Product
Microgel [®] Silicone	Green	LT	5	1.14	9.1	25691
Firm Silicone	Green	LT	5	1.14	9.1	24701



Donaldson-Type Tubes

Material	Feature	Color	RT	Qty	ID	IFD	IFDis	Product
Activent [®] Silicone		Black	ST	5	1.14	2.3	0.90	1026020
FLPL		Blue	ST	5	1.14	2.3	0.90	1015101
Silicone		Green	ST	5	1.14	2.3	0.90	1013020
Silicone		Green	ST	50	1.14	2.3	0.90	1013021
Silicone	Tab	Green	ST	5	1.14	2.3	0.90	1013015
C-Flex [®]		Sea Green	ST	5	1.14	2.3	0.76	1056010



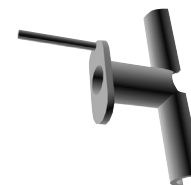
RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Ventilation Tubes: Temporary

Goode T-Grommets

Endorsed by Richard L. Goode, MD, Palo Alto, CA

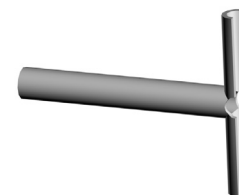
Material	Color	RT	Qty	ID	FL	IFDis	Product
Activent® Silicone	Black	LT	5	1.27	8.5	2.50	1026011
Silicone	Green	LT	5	1.27	8.5	2.50	1016020



Goode T-Tubes®

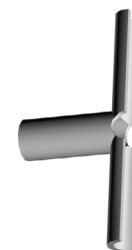
Designed by Richard L. Goode, MD, Palo Alto, CA

Material	Color	RT	Qty	ID	FL	L	Product
Activent® Silicone	Black	LT	5	1.14	9.5	12.0	1026010
Microgel® Silicone	Blue	LT	5	1.14	9.8	12.0	1087701
Silicone	Green	LT	5	1.14	9.5	12.0	1016010
Silicone	Green	LT	5 pairs	1.14	9.5	12.0	1040001
Silicone	Green	LT	50	1.14	9.5	12.0	1016011
Firm Silicone	Green	LT	5	1.14	6.0	6.0	24751
Firm Silicone	Green	LT	5 pairs	1.14	6.0	6.0	24752
Firm Silicone	Green	LT	5	1.14	9.5	12.0	1016035
C-Flex®	Sea Green	LT	5	1.14	6.5	6.0	1056016
C-Flex	Sea Green	LT	5 pairs	1.14	6.5	6.0	1066016
C-Flex	Sea Green	LT	5	1.14	8.0	9.0	1056019
C-Flex	Sea Green	LT	5	1.14	9.0	12.0	1056015



Goode T-Tubes, Modified

Material	Color	RT	Qty	ID	FL	L	Product
Activent Silicone	Black	LT	5	1.27	9.5	4.5	1026040
Silicone	Green	LT	5	1.27	5.8	6.7	24771
Silicone	Green	LT	5 pairs	1.27	5.8	6.7	24772
Firm Silicone	Green	LT	5	1.27	9.5	4.5	1016040
Firm Silicone	Green	LT	5 pairs	1.27	9.5	4.5	1040002
Firm Silicone	Green	LT	50	1.27	9.5	4.5	1016041

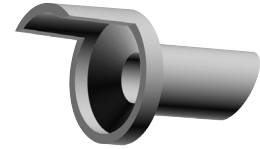


RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Hubbard Airplane Tube

Endorsed by Ron Hubbard, MD, Memphis, TN; acknowledgement to Joseph B. Touma, MD, Huntington, WV

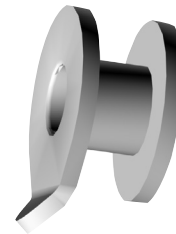
Material	Color	RT	Qty	ID	OFD	Product
FLPL	White	ST	5	0.76	2.0	1056170



Moretz Tab Vent Tubes

Endorsed by William H. Moretz, Jr., MD, Augusta, GA

Material	Color	RT	Qty	ID	IFDis	Product
FLPL	White	ST	5	1.27	1.00	1056177
FLPL	White	ST	5 pairs	1.27	1.00	1066177
Microblue Titanium	MicroBlue	ST	5 pairs	1.27	1.00	14642
Tytan [®] Titanium	Titanium	ST	5	0.76	1.00	1056108
Tytan Titanium	Titanium	ST	5 pairs	0.76	1.00	1066108
Tytan Titanium	Titanium	ST	5	1.02	1.00	1056104
Tytan Titanium	Titanium	ST	5	1.27	1.00	1056107
Tytan Titanium	Titanium	ST	5 pairs	1.27	1.00	1066107
H/C-Flex [®]	Sea Green	ST	5	1.27	0.75	1056705

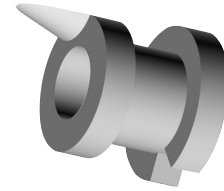


RT = Residence Time. ST = Short Term (IFD of 0.0-3.0).
INT = Intermediate (IFD of 3.1-4.8). LT = Long Term (IFD of > 4.8)

Paparella-Type Vent Tubes

Designed by Michael M. Paparella, MD, Minneapolis, MN

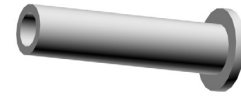
Material	Feature	Color	RT	Qty	ID	IFD	IFDis	Product
Activent® Silicone	Notch & Tab	Black	ST	5	1.14	2.40	1.10	1026001
Activent Silicone	Notch & Tab	Black	ST	5 pairs	1.14	2.40	1.10	1046001
Activent Silicone	Notch & Tab	Black	INT	5	1.52	4.45	1.15	1026045
Microgel®	Notch & Tab	Green	ST	5	1.02	2.50	1.00	25441
Microgel	Notch & Tab	Green	ST	50	1.02	2.50	1.00	25443
Microgel		Blue	INT	5	1.14	--	--	1082201
Microgel		Blue	INT	5 pairs	1.14	--	--	1082202
Microgel		Blue	INT	50	1.14	--	--	1082203
FLPL	Tab	White	ST	5 pairs	1.02	2.50	1.00	14521
Silicone	Notch & Tab	Green	ST	5	1.14	2.40	1.10	1025001
Silicone	Notch & Tab	Green	ST	5 pairs	1.14	2.40	1.10	1040006
Silicone	Notch & Tab	Green	ST	50	1.14	2.40	1.10	1025002
Silicone	Notch & Tab	Green	ST	50 pairs	1.14	2.40	1.10	1040019
Silicone	Notch	Green	ST	5	1.14	2.40	1.10	1025005
Silicone	Notch & Tab	Green	INT	5	1.52	4.45	1.15	1025045
Firm Silicone	Notch & Tab	Green	ST	5	1.02	2.50	1.00	24441
Firm Silicone	Notch & Tab	Green	ST	5 pairs	1.02	2.50	1.00	24442
Firm Silicone	Notch	Green	ST	5	1.02	2.50	1.00	24451
Firm Silicone	Notch	Green	ST	5 pairs	1.02	2.50	1.00	24452
C-Flex®	Tab	Sea Green	ST	5	1.02	2.50	1.00	1056005
C-Flex	Tab	Sea Green	ST	5 pairs	1.02	2.50	1.00	1066005



RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
 INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Plain Straight Shanks

Material	Color	RT	Qty	ID	IFD	L	Product
FLPL	Blue	ST	5	1.14	2.75	7.00	1019301
FLPL	White	ST	5	1.14	2.10	7.00	1056167
FLPL	White	ST	5	1.14	2.30	12.00	14351



Pope Beveled Grommets

Designed by Thad Pope, MD, Crawfordsville, IN

Material	Feature	Color	RT	Qty	ID	IFD	IFDis	Product
FLPL		Green	INT	5	1.14	3.6	1.3	1025004
FLPL		Green	INT	5 pairs	1.14	3.6	1.3	1040014
FLPL	Dispenser	Green	INT	50	1.14	3.6	1.3	1025007
H/C-Flex		Sea Green	INT	5 pairs	1.14	3.6	1.0	1066036
H/C-Flex	Tail	Sea Green	INT	5 pairs	1.14	3.6	1.0	1066039

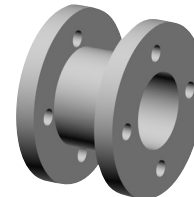


RT = Residence Time. ST = Short Term (IFD of 0.0-3.0).
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Reuter Bobbins

Designed by S. Harold Reuter, MD, Houston, TX

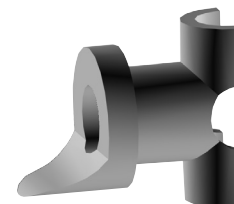
Material	Feature	Color	RT	Qty	ID	IFD	IFDis	Product
FLPL	No Holes	White	ST	5	1.02	2.6	1.0	1056162
FLPL	No Holes	White	ST	5	1.02	2.7	1.1	14121
FLPL	No Holes	White	ST	5 pairs	1.02	2.7	1.1	14122
FLPL	No Holes	White	ST	5	1.14	2.7	1.1	14131
FLPL	No Holes	White	ST	5 pairs	1.14	2.7	1.1	14132
FLPL	No Holes	Blue	ST	5	1.14	2.6	1.0	1010201
FLPL	No Holes	Blue	ST	5 pairs	1.14	2.6	1.0	1010202
FLPL	No Holes	Blue	ST	50	1.14	2.6	1.0	1010203
FLPL	Holes & Wire	Blue	ST	5	1.14	2.6	1.0	1010301
Tytan Titanium	Holes	Titanium	ST	5	1.02	2.7	1.0	1066110
Tytan Titanium	No Holes	Titanium	ST	5 pairs	1.14	2.7	1.0	1066112
Tytan Titanium	No Holes	Microblue	ST	5	1.27	2.7	1.0	16221
Tytan Titanium	No Holes	Microblue	ST	5 pairs	1.27	2.7	1.0	16222
Titanium	Holes	Titanium	ST	5	1.14	2.6	1.0	1027060
Titanium	No Holes	Titanium	ST	5	1.27	2.6	1.0	1027070
Stainless Steel Matte Finish Titanium	Holes	Steel	ST	5 pairs	1.14	2.6	1.0	1027017
Stainless Steel Matte Finish	Holes	Steel	ST	5 pairs	1.14	2.6	1.0	1040004
Stainless Steel	Holes	Steel	ST	5	1.02	2.7	1.0	14401
Stainless Steel	Holes & Wire	Steel	ST	5	1.14	2.6	1.0	1027040
Stainless Steel	Holes	Steel	ST	5	1.14	2.6	1.0	1027015
Stainless Steel		Steel	ST	50	1.14	2.6	1.0	1027016
Stainless Steel	Holes	Steel	ST	5	1.27	2.6	0.5	1027010
Stainless Steel	Holes	Steel	ST	5	1.27	2.7	1.0	14051



Rube T-Grommet

Designed by William Rubenstein, MD, Houston, TX

Material	Feature	Color	RT	Qty	ID	FL	Product
Firm Silicone	Tab	Green	LT	5	1.14	6.5	24621

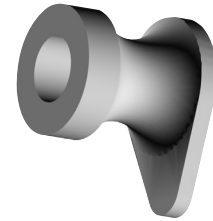


RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Shah-Type Ventilation Tubes

Designed by N. Shah, FRCS, DLO, London, England

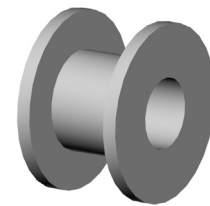
Material	Feature	Color	RT	Qty	ID	IFD	IFDis	Product
FLPL	Mini	White	ST	5	0.76		1.00	14311
FLPL		Blue	ST	5	1.14		1.58	1018100
FLPL	Wire	Blue	ST	5	1.14		1.58	1018101



Sheehy-Type Collar Buttons

Designed by James L. Sheehy, MD, Los Angeles, CA

Material	Color	RT	Qty	ID	IFD	IFDis	Product
Activent Silicone	Black	ST	5 pairs/10pk	1.27	2.8	1.32	1046145
Activent Silicone	Black	ST	5 pack	1.27	2.8	1.32	1026145
Activent Silicone	Black	ST	50	1.27	2.8	1.32	1026146
Microgel®	Blue	ST	5	1.27	2.8	1.32	1083301
Microgel	Blue	ST	5 pairs	1.27	2.8	1.32	1083302
Microgel	Blue	ST	50	1.27	2.8	1.32	1083303
FLPL	White	INT	5	1.27	3.0	1.52	14141
FLPL	White	INT	5 pairs	1.27	3.0	1.52	14142
FLPL	White	INT	5	1.27	3.1	1.50	1056160
FLPL	White	INT	5 pairs	1.27	3.1	1.50	1066160
FLPL	Blue	INT	5	1.27	3.0	1.55	1013301
FLPL	Blue	INT	5 pairs	1.27	3.0	1.55	1013302
FLPL	Blue	INT	50	1.27	3.0	1.55	1013303
Silicone	Green	ST	5	1.27	2.8	1.32	1028145
Silicone	Green	ST	50	1.27	2.8	1.32	1028146
Tytan® Titanium	Titanium	INT	5	1.27	3.1	1.50	1056114
H/C-Flex®	Sea Green	INT	5	1.27	3.1	1.50	1056037
H/C-Flex	Sea Green	INT	5 pairs	1.27	3.1	1.50	1066037



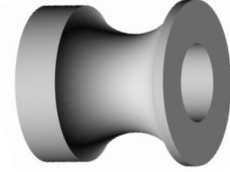
RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Ventilation Tubes: Temporary

Shepard Grommets

Designed by Marvin G. Shepard, MD, Dallas, TX

Material	Feature	Color	RT	Qty	ID	IFD	Product
Activent Silicone	Tail	Black	ST	5	1.14	2.30	1026025
FLPL		White	ST	5	1.02	2.50	1056155
FLPL		White	ST	5	1.14	2.50	1056154
FLPL	Wire	White	ST	5	1.14	2.50	1056157
FLPL		Blue	ST	5	1.02	2.40	1016301
FLPL	Wire	Blue	ST	5	1.02	2.40	1016501
FLPL		Blue	ST	5 pairs	1.14	2.40	1016102
FLPL	Wire	Blue	ST	5	1.14	2.40	1016201
FLPL	Wire	Blue	ST	50	1.14	2.40	1016203
FLPL	Tab	Blue	ST	5	1.14	2.40	1016101
FLPL	Tab	Blue	ST	50	1.14	2.40	1016103
FLPL	Tail	Green	ST	5	1.14	2.40	1028010
FLPL	Tab	Green	ST	5	1.14	2.40	1028015
Silicone	Tail	Green	ST	5	1.14	2.30	1028025
Silicone	Tail	Green	ST	50	1.14	2.30	1028026



Soileau Tytan® Titanium Ventilation Tubes

Endorsed by James S. Soileau, MD, Gonzales, LA

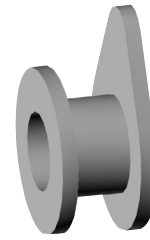
Material	Color	RT	Qty	ID	IFD	Product
Tytan® Titanium	Titanium	ST	5	1.27	2.75	1056111
Tytan Titanium	Titanium	ST	5 pairs	1.27	2.75	1066111



RT = Residence Time. ST = Short Term (IFD of 0.0-3.0).
INT = Intermediate (IFD of 3.1-4.8). LT = Long Term (IFD of > 4.8)

Spoon Bobbins

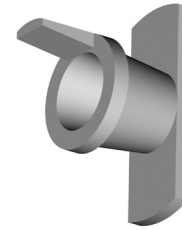
Material	Feature	Color	RT	Qty	ID	IFD	Product
Tytan® Titanium		Titanium	ST	5	1.02	2.70	1056109
Tytan Titanium		Titanium	ST	5	1.27	2.70	1056106
Stainless Steel	Holes	Steel	ST	5 pairs	1.02	2.70	14002



Touma Beveled T-Grommet

Endorsed by Joseph B. Touma, MD, Huntington, WV

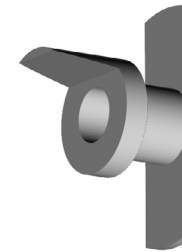
Material	Feature	Color	RT	Qty	ID	IFD	Product
Activent® Silicone	Tab	Black	INT	5	1.27	5.0	1026014



Touma T-Type Grommets

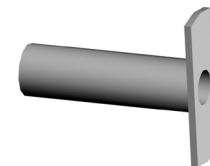
Endorsed by Joseph B. Touma, MD, Huntington, WV

Material	Color	RT	Qty	ID	IFD	Product
Activent® Silicone	Black	INT	5	1.14	5.0	1026012
C-Flex®	Sea Green	INT	5	1.14	5.0	1056012
C-Flex	Sea Green	INT	5 pairs	1.14	5.0	1066012



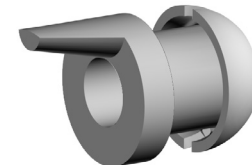
T-Type Vent Tubes

Material	Color	RT	Qty	ID	FL	L	Product
C-Flex®	Sea Green	INT	5	1.14	4.8	6	1056018



Umbrella Ventilation Tubes

Material	Feature	Color	RT	Qty	ID	IFD	Product
Silicone	Tab	Green	INT	5	1.02	2.26	1016030

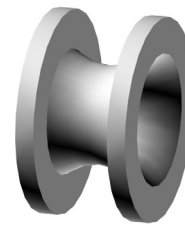


RT = Residence Time. ST = Short Term (IFD of 0.0-3.0).
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Ventilation Tubes: Temporary

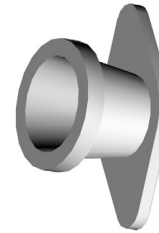
Venturi™ Style Ventilation Tubes

Material	Feature	Color	RT	Qty	ID	IFD	IFDis	Product
Titanium	Reuter Bobbin	Titanium	ST	5	1.27	2.5	1.0	1070031
Titanium	Reuter Bobbin	Titanium	ST	5 pairs	1.27	2.5	1.0	1070032



V-T Grommet Ventilation Tubes

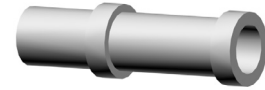
Material	Color	RT	Qty	ID	IFD	IFDis	Product
Microgel®	Blue	INT	5	1.27	4.5	1.3	1084401
C-Flex®	Sea Green	INT	5	1.27	4.5	1.3	1002341
C-Flex	Sea Green	INT	50	1.27	4.5	1.3	1064403



RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
 INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

Hoffman Permanent Vent Tubes

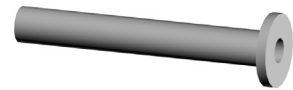
Material	Feature	Color	RT	Qty	ID	L	Product
FLPL		White	P	5	1.25	13.4	1028081
Titanium with Hydroxylapatite	FLPL Liner	Titanium and White	P	1	1.65	8.3	1028080



Silverstein Permanent Aeration Tubes (SPAT)

Endorsed by Herbert Silverstein, MD, Sarasota, FL

Material	Feature	Color	RT	Qty	ID	FL	L	Product
Silicone	FLPL Stylet	Blue and White	P	5	1.14	3.5	12	1028065

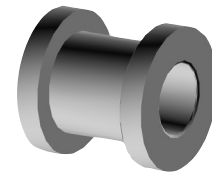


Pediatric Ventilation Tubes

1056101, 1056102, and 1056159 Endorsed by M. Coyle Shea, MD, Memphis, TN

1056108 Endorsed by William H. Moretz, Jr., MD, Augusta, GA

Feature	Material	Color	RT	Qty	ID	IFD	Product
	Microblue® Titanium	Microblue	ST	5	0.76	2.0	16191
	Tiny Tytan® Titanium	Titanium	ST	5	0.76	1.5	1056101
	Tytan Titanium	Titanium	ST	5	0.76	2.0	1056102
Moretz Tab	Tiny Tytan Titanium	Titanium	ST	5	0.76	1.5	1056108
Mini Shah	FLPL	White	ST	5	0.76	2.0	14311
	FLPL	White	ST	5	0.76	2.0	1056159
	FLPL	White	ST	5 pairs	0.76	2.0	1066159



Tympanic Membrane™ Patcher

Product	Description	Dia	Core Dia	Qty
1416000	Silicone	3 mm	0.9 mm	1
1416010	Silicone	5 mm	1.1 mm	1
1416020	Silicone	7 mm	1.3 mm	1
1416030	Silicone	10 mm	1.4 mm	1



RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8), P = Permanent

E/Z Load T-Tube Inserter and Replacement Pin

- Accepts T-tube lengths from standard 12 mm to approximately 6 mm overall
- Non-sterile

Product	Description	Qty
1352237	E/Z Load Inserter	1
1352238	Replacement Pin	1



RT = Residence Time, ST = Short Term (IFD of 0.0-3.0),
INT = Intermediate (IFD of 3.1-4.8), LT = Long Term (IFD of > 4.8)

OSSICULAR RECONSTRUCTION IMPLANTS AND ACCESSORIES

Medtronic

The Big Easy® Piston

- Double width platinum shaft
- Titanium body
- Depth marker
- Offset piston with angled shaft
- Right and left versions

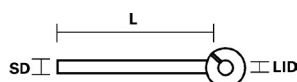
Product	Description	SD	SL	L	Qty
1156601	Straight, Platinum and Titanium	0.5 mm	1.25 mm	4.00 mm	1
1156602	Straight, Platinum and Titanium	0.5 mm	1.25 mm	4.25 mm	1
1156603	Straight, Platinum and Titanium	0.5 mm	1.25 mm	4.50 mm	1
1156604	Straight, Platinum and Titanium	0.5 mm	1.25 mm	4.75 mm	1
1156611	Left Ear Offset, Platinum and Titanium	0.5 mm	1.25 mm	4.50 mm	1
1156612	Left Ear Offset, Platinum and Titanium	0.5 mm	1.25 mm	4.75 mm	1
1156613	Left Ear Offset, Platinum and Titanium	0.5 mm	1.25 mm	5.00 mm	1
1156621	Right Ear Offset, Platinum and Titanium	0.5 mm	1.25 mm	4.50 mm	1
1156622	Right Ear Offset, Platinum and Titanium	0.5 mm	1.25 mm	4.75 mm	1
1156623	Right Ear Offset, Platinum and Titanium	0.5 mm	1.25 mm	5.00 mm	1



Causse Loop Pistons

Endorsed by Jean-Bernard Causse, MD, Béziers, France

Product	Description	LID	SD	L	Qty
1156314	Fluoroplastic	0.6 mm	0.4 mm	6.0 mm	1
1156316	Fluoroplastic	0.6 mm	0.6 mm	6.0 mm	1



All dimensions are approximate.

LID = Loop Inner Diameter SD = Shaft Diameter
SL = Shaft Length L = Length

Cause Large Loop Pistons

- Larger loop inside diameter of 0.8 mm

Endorsed by Jean-Bernard Cause, MD, Béziers, France

Product	Description	LID	SD	L	Qty
1129015	Fluoroplastic	0.80 mm	0.3 mm	4.5 mm	1
1129020	Fluoroplastic	0.80 mm	0.3 mm	5.0 mm	1
1129030	Fluoroplastic	0.80 mm	0.3 mm	6.0 mm	1
1156241	Fluoroplastic	0.80 mm	0.4 mm	6.0 mm	1
1129040	Fluoroplastic	0.80 mm	0.6 mm	4.0 mm	1
1129045	Fluoroplastic	0.80 mm	0.6 mm	4.5 mm	1
1129050	Fluoroplastic	0.80 mm	0.6 mm	5.0 mm	1
1129055	Fluoroplastic	0.80 mm	0.6 mm	6.0 mm	1
1129065	Fluoroplastic	0.80 mm	0.8 mm	4.5 mm	1
1129070	Fluoroplastic	0.80 mm	0.8 mm	5.0 mm	1

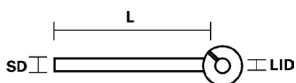


Cause Malleus Loop with Malleable Shaft

- Stainless steel core
- Opening in loop at 2 o'clock position

Endorsed by Jean-Bernard Cause, MD, Béziers, France

Product	Description	LID	SD	L	Qty
1133191	Fluoroplastic and Stainless Steel	0.86 mm	0.4 mm	12 mm	1



All dimensions are approximate.

LID = Loop Inner Diameter SD = Shaft Diameter
SL = Shaft Length L = Length

Stapedectomy/Stapedotomy Implants: Pistons

House-Type Piston and Wire

- Round wire loop
- Stainless steel piston shaft

Product	Description	SD	SL	L	Qty
1117035	Stainless Steel	0.4 mm	1.6 mm	4.50 mm	1
1117040	Stainless Steel	0.4 mm	1.6 mm	4.75 mm	1
1117045	Stainless Steel	0.4 mm	1.6 mm	5.00 mm	1



Lesinski Platinum and Fluoroplastic Stapedotomy Pistons

Endorsed by S. George Lesinski, MD, Cincinnati, OH

Product	Description	SD	SL	L	Qty
0427	Platinum and Fluoroplastic	0.6 mm	2.0 mm	4.25 mm	1
0428	Platinum and Fluoroplastic	0.6 mm	2.0 mm	4.50 mm	1
0429	Platinum and Fluoroplastic	0.6 mm	2.0 mm	4.75 mm	1

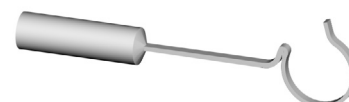


Lesinski Modified Loop Platinum and Fluoroplastic Pistons

- Modified hook configuration

Endorsed by S. George Lesinski, MD, Cincinnati, OH

Product	Description	SD	SL	L	Qty
0435	Platinum and Fluoroplastic	0.6 mm	2.00 mm	4.50 mm	1
0436	Platinum and Fluoroplastic	0.6 mm	2.00 mm	4.75 mm	1
0437	Platinum and Fluoroplastic	0.6 mm	2.00 mm	4.25 mm	1

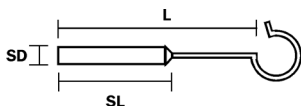


McGee Modified Loop Pistons

- Round loop design with closure tab
- One piece, stainless steel

Endorsed by T. Manford McGee, MD, Detroit, MI

Product	Description	SD	SL	L	Qty
1156210	Stainless Steel	0.5 mm	2.43 mm	3.75 mm	1
1156212	Stainless Steel	0.5 mm	2.43 mm	4.25 mm	1
1156213	Stainless Steel	0.5 mm	2.43 mm	4.50 mm	1
1156214	Stainless Steel	0.5 mm	2.43 mm	4.75 mm	1



All dimensions are approximate.

SD = Shaft Diameter SL = Shaft Length L = Length

Portmann Piston – Clip

- Curved wire clip

Endorsed by Professor Michel Portmann, Bordeaux, France

Product	Description	SD	SL	L	Clip	Qty
1125020	Stainless Steel and Fluoroplastic	0.4 mm	4.00 mm	7 mm	0.5 mm	1
1125025	Stainless Steel and Fluoroplastic	0.4 mm	4.00 mm	7 mm	0.6 mm	1
1125030	Stainless Steel and Fluoroplastic	0.4 mm	4.00 mm	7 mm	0.7 mm	1



Scheer Piston and Wire

- Fluoroplastic piston, stainless steel wire

Endorsed by Harold F. Schuknecht, MD

Product	Description	SD	SL	L	Qty
1128190	Stainless Steel and Fluoroplastic	0.6 mm	1.8 mm	5.0 mm	1

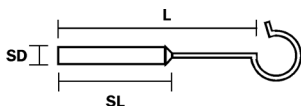
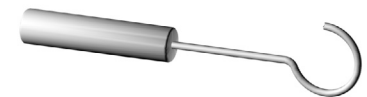


Schuknecht-Type Piston and Wire

- Fluoroplastic piston, stainless steel wire

Endorsed by Harold F. Schuknecht, MD

Product	Description	SD	SL	L	Qty
1128110	Stainless Steel and Fluoroplastic	0.6 mm	2.7 mm	3.50 mm	1
1128115	Stainless Steel and Fluoroplastic	0.6 mm	2.7 mm	3.75 mm	1
1128120	Stainless Steel and Fluoroplastic	0.6 mm	2.7 mm	4.00 mm	1
1128125	Stainless Steel and Fluoroplastic	0.6 mm	2.7 mm	4.25 mm	1
1128130	Stainless Steel and Fluoroplastic	0.6 mm	2.7 mm	4.50 mm	1
1128135	Stainless Steel and Fluoroplastic	0.6 mm	2.7 mm	4.75 mm	1
1128140	Stainless Steel and Fluoroplastic	0.6 mm	2.7 mm	5.00 mm	1



All dimensions are approximate.

SD = Shaft Diameter SL = Shaft Length L = Length

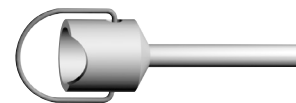
Stapedectomy/Stapedotomy Implants: Cupped Pistons

Bailey/Pappas Modified Cupped Pistons

- Designed with no hole in shaft
- Polished stainless steel

Endorsed by H. A. Ted Bailey, MD, and James J. Pappas, MD, Little Rock, AR

Product	Description	SD	WD	L	Qty
1156452	Stainless Steel	0.4 mm	1 mm	4.00 mm	1
1156453	Stainless Steel	0.4 mm	1 mm	4.25 mm	1
1156454	Stainless Steel	0.4 mm	1 mm	4.50 mm	1



Cupped Pistons

- Polished stainless steel
- Cupped portion
- Notch in cup

Product	Description	SD	WD	FL	Qty
1133120	Stainless Steel	0.6 mm	0.88 mm	4.00 mm	1
1133125	Stainless Steel	0.6 mm	0.88 mm	4.50 mm	1
1133135	Stainless Steel	0.6 mm	1.00 mm	4.00 mm	1
1133180	Stainless Steel	0.4 mm	0.88 mm	4.00 mm	1
1133185	Stainless Steel	0.4 mm	0.88 mm	4.50 mm	1
1133195	Stainless Steel	0.4 mm	1.00 mm	4.00 mm	1
1133600	Stainless Steel	0.8 mm	0.88 mm	4.00 mm	1

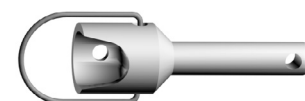


Lippy Modified Cupped Pistons

- Large, deep well
- Polished stainless steel

Endorsed by William N. Lippy, MD, Warren, OH

Product	Description	SD	WD	L	FL	Qty
1133250	Stainless Steel	0.6 mm	1 mm	4.0 mm	3.20 mm	1
1133255	Stainless Steel	0.6 mm	1 mm	4.5 mm	3.70 mm	1
1133260	Stainless Steel	0.6 mm	1 mm	5.0 mm	4.20 mm	1
1133280	Stainless Steel	0.4 mm	1 mm	4.0 mm	3.20 mm	1
1133285	Stainless Steel	0.4 mm	1 mm	4.5 mm	3.70 mm	1
1133290	Stainless Steel	0.4 mm	1 mm	5.0 mm	4.20 mm	1



All dimensions are approximate.

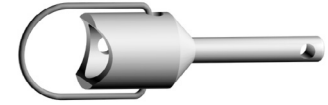
SD = Shaft Diameter WD = Well Diameter L = Length FL = Functional Length

Modified Cupped Pistons

- Double notch in cup
- Polished stainless steel

Endorsed by H. A. Ted Bailey, MD, Little Rock, AR

Product	Description	SD	WD	L	FL	Qty
1133370	Stainless Steel	0.4 mm	0.88 mm	4.00 mm	3.77 mm	1
1133372	Stainless Steel	0.4 mm	0.88 mm	4.25 mm	4.02 mm	1

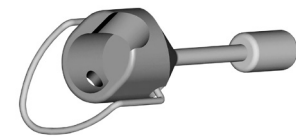


Roberson Stapes Protheses

- Narrow design and malleable shaft
- Textured bucket surface
- Piston depth gauge

Endorsed by Joseph Roberson Jr., MD, Palo Alto, CA

Product	Description	SD	WD	FL	Qty
1133061	Titanium	0.6 mm	0.9 mm	4.00 mm	1
1133062	Titanium	0.6 mm	0.9 mm	4.50 mm	1
1133063	Titanium	0.6 mm	1.0 mm	4.00 mm	1
1133064	Titanium	0.6 mm	1.0 mm	4.50 mm	1
1133065	Titanium	0.6 mm	0.9 mm	4.25 mm	1
1133066	Titanium	0.6 mm	1.0 mm	4.25 mm	1

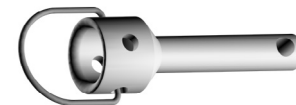


Robinson® Cupped Pistons

- Cupped piston design
- Polished stainless steel, matte finish well

Endorsed by Mendell Robinson, MD, Providence, RI

Product	Description	SD	WD	FL	Qty
1133001	Stainless Steel	0.6 mm	0.9 mm	4.0 mm	1
1133002	Stainless Steel	0.6 mm	0.9 mm	4.5 mm	1
1133003	Stainless Steel	0.6 mm	1.0 mm	4.0 mm	1
1133004	Stainless Steel	0.6 mm	1.0 mm	4.5 mm	1
1133005	Stainless Steel	0.4 mm	0.9 mm	4.0mm	1
1133007	Stainless Steel	0.4 mm	1.0 mm	4.0 mm	1
1133008	Stainless Steel	0.4 mm	1.0 mm	4.5 mm	1



All dimensions are approximate.

SD = Shaft Diameter WD = Well Diameter L = Length FL = Functional Length

Stapedectomy/Stapedotomy Implants: Cupped Pistons

Robinson®-Moon-Lippy Offset Cupped Pistons

- Offset shaft
- Large, deep well
- Fenestrated
- Polished stainless steel, matte finish well

Endorsed by Mendell Robinson, MD, Providence, RI; Cary N. Moon, Jr., MD; and William N. Lippy, MD, Warren, OH

Product	Description	SD	WD	L	FL	Qty
1133009	Stainless Steel	0.4 mm	1 mm	4.5 mm	3.73 mm	1
1133010	Stainless Steel	0.4 mm	1 mm	5.0 mm	4.24 mm	1



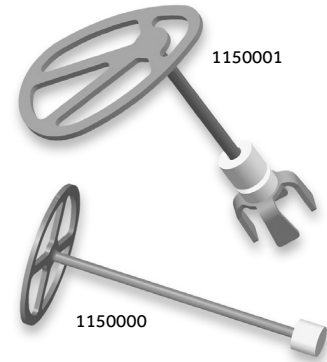
All dimensions are approximate.

SD = Shaft Diameter WD = Well Diameter L = Length FL = Functional Length

Universal Titanium Prostheses

- The Universal Titanium Prosthesis is available in two head designs
- Fenestrated head
- The titanium shaft may be trimmed to length with scissors
- Universal design

Product	Description	Qty
1150000	Universal Titanium Prosthesis, Round Head, with Shoe	1
1150001	Universal Titanium Prosthesis, Cam Head, with Shoe	1

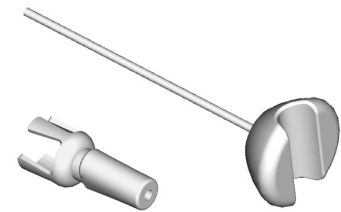


Universal Titanium Prosthesis, Vincent Head, with Shoe

- Dense hydroxylapatite head features a deep, centered groove
- The titanium shaft may be trimmed to length with scissors
- Universal design
- Shoe packaged as a partial; may be trimmed to create a total shoe

Designed by Robert Vincent, MD, Béziers, France

Product	Description	PID	HD	SD	L	Qty
1150050	Titanium and Hydroxylapatite Head/Shaft Assembly Titanium and Flex H/A Shoe Assembly	1.1 mm	3.25 mm	0.25 mm	10 mm	1



All dimensions are approximate.

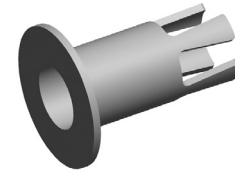
PID = Partial Inner Diameter HD = Head Diameter SD = Shaft Diameter L = Length

Partial Ossicular Reconstruction Implants: Titanium

Partial Titanium Prosthesis

•Fully cannulated design

Product	Description	HD	L	ID	Qty
1160000	Titanium	2.5 mm	2 mm	1.1 mm	1

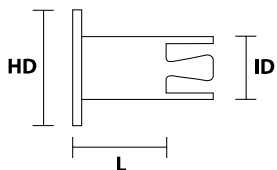
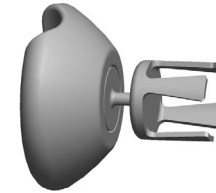


Vincent Partial Titanium Prosthesis

•Dense hydroxylapatite head features a deep, centered groove

Developed in conjunction with Robert Vincent, MD, Béziers, France

Product	Description	HD	L	ID	Qty
1160050	Titanium	3.25 mm	2 mm	1.1 mm	1



All dimensions are approximate.

HD = Head Diameter L = Length ID = Inner Diameter

Incus Partial Prosthesis

- Grooved top
- Partially cannulated shaft

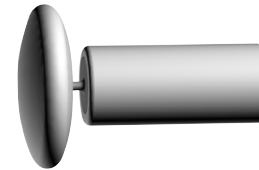
Product	Description	SID	L	Qty
1112075	Hydroxylapatite	1.1 mm	3.75 mm	1



Mushroom Head Partial with Malleable Link

- Dense hydroxylapatite shaft

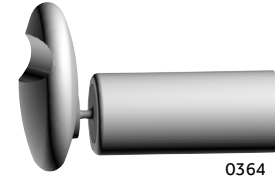
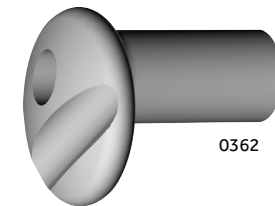
Product	Description	SID	HD	L	Qty
0352	Hydroxylapatite with Titanium	1.14 mm	4 mm	5 mm	1



Notched Offset Partial

- Dense H/A cap
- Offset cap

Product	Description	SID	HD	L	Qty
0362	Hydroxylapatite	1.14 mm	4 mm	5 mm	1
0364	with Malleable Link, Hydroxylapatite with Titanium	1.14 mm	4 mm	5 mm	1



All dimensions are approximate.

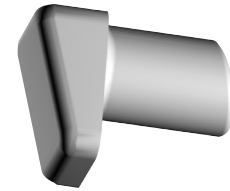
SID = Shaft Inner Diameter HD = Head Diameter L = Length

Partial Ossicular Reconstruction Implants: Dense Hydroxylapatite

Partial 75° Rectangular

- Rectangular head
- Angled shaft
- Partially cannulated shaft

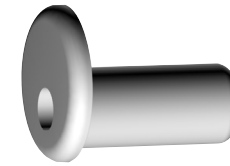
Product	Description	SID	H	L	Qty
1112070	Hydroxylapatite	1.1 mm	2.5 x 3.5 mm	4 mm	1



Partial 90° Off-Center Round

- Off-centered round head
- Fully cannulated shaft

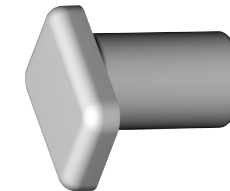
Product	Description	SID	HD	L	Qty
1112095	Hydroxylapatite	1.1 mm	4 mm	5 mm	1



Partial 90° Rectangular

- Rectangular head
- Partially cannulated shaft

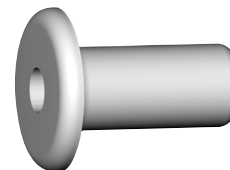
Product	Description	SID	H	L	Qty
1112065	Hydroxylapatite	1.1 mm	2.5 x 3.5 mm	4 mm	1



Partial 90° Round

- Round head
- Fully cannulated shaft

Product	Description	SID	HD	L	Qty
1112090	Hydroxylapatite	1.1 mm	4 mm	5 mm	1



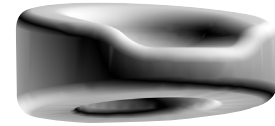
All dimensions are approximate.

SID = Shaft Inner Diameter H = Head HD = Head Diameter L = Length

Silverstein Incus-Stapes Connector

Endorsed by Herbert Silverstein, MD, Sarasota, FL

Product	Description	ID	OD	H	Qty
1112120	Hydroxylapatite	1.1 mm	2.1 mm	1 mm	1



Cause Mini-Head Partial with Malleable Link

•Flex H/A shaft may be trimmed with a knife

Endorsed by Jean-Bernard Cause, MD, Béziers, France

Product	Description	SID	HD	L	Qty
0528	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	2.5 mm	5 mm	1

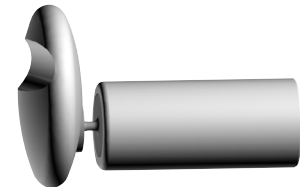


Cause Notched Offset Partial with Malleable Link

- Offset, dense H/A cap with notch
- Flex H/A shaft may be trimmed with a knife
- Malleable titanium link

Endorsed by Jean-Bernard Cause, MD, Béziers, France

Product	Description	SID	HD	L	Qty
0526	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	3.25 mm	5 mm	1

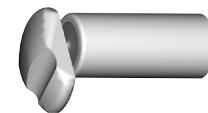


Cause-Vincent Notched Narrow Partial with Short Malleable Link

- Offset, dense H/A cap with notch
- Flex H/A shaft may be trimmed with a knife
- Malleable titanium link

Endorsed by Jean-Bernard Cause, MD, and Robert Vincent, MD, Béziers, France

Product	Description	SID	HD	L	Qty
0543	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	3.25 mm	14 mm	1



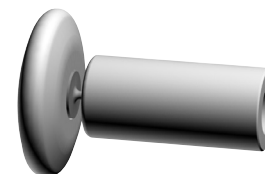
All dimensions are approximate.

ID = Inner Diameter OD = Outer Diameter H = Head
SID = Shaft Inner Diameter HD = Head Diameter L = Length

Centered Partial with Malleable Link

- Gently rounded, dense H/A cap
- Flex H/A shaft can be trimmed

Product	Description	SID	HD	L	Qty
0550	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	4 mm	5 mm	1
0551	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	3 mm	5 mm	1



Centered Partial, Non-Malleable

- Prosthesis is fully cannulated
- Flex H/A shaft may be trimmed with a knife

Product	Description	SID	HD	L	Qty
0524	Hydroxylapatite and Flex H/A	1.14 mm	3 mm	5 mm	1

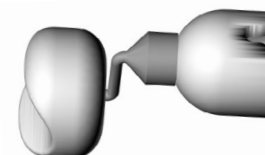


Haberman Notched Partial with Offset Malleable Link

- Notched, dense H/A cap
- Flex H/A notched shaft

Designed by Rex Haberman, MD, Minneapolis, MN

Product	Description	SID	HD	L	Qty
0504	Hydroxylapatite and Flex H/A and Titanium	1 mm	2 mm	2.5 mm	1

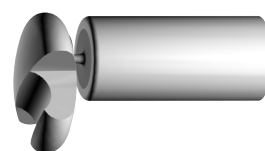


Lesinski Offset Partial with Malleable Link

- H/A cap features unique notch
- Flex H/A shaft may be trimmed with a knife

Designed by S. George Lesinski, MD, Cincinnati, OH

Product	Description	SID	HD	L	Qty
0531	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	3.25 mm	5 mm	1



All dimensions are approximate.

SID = Shaft Inner Diameter HD = Head Diameter L = Length

Malleus Cradle Partial with Malleable Link

- Dense H/A cap
- Titanium link
- Trimmable Flex H/A shaft

Product	Description	SID	H	L	Qty
0541	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	2 x 4.4 mm	5 mm	1

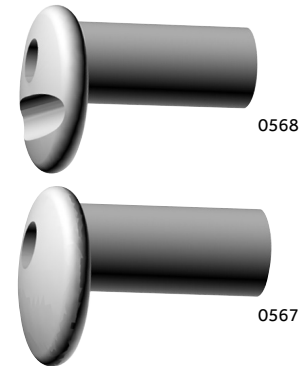


Millen Thin Head Partials, Non-Malleable

- Thin, dense Flex H/A offset cap
- Fully cannulated
- Flex H/A shaft may be trimmed

Designed by Steven J. Millen, MD, Hales Corner, WI

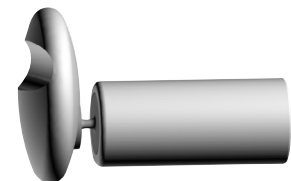
Product	Description	SID	HD	L	Qty
0568	Offset, Notched Hydroxylapatite and Flex H/A	1.14 mm	4 mm	5 mm	1
0567	Hydroxylapatite and Flex H/A	1.14 mm	4 mm	5 mm	1



Notched Offset Partial with Malleable Link

- Dense H/A cap
- Cap is offset
- Trimmable Flex H/A shaft

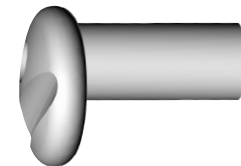
Product	Description	SID	HD	L	Qty
0570	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	4 mm	5 mm	1



Notched Offset Partial, Non-Malleable

- Dense H/A notched cap
- Prosthesis is fully cannulated
- Offset
- Trimmable Flex H/A shaft

Product	Description	SID	HD	L	Qty
0555	Hydroxylapatite and Flex H/A	1.14 mm	4 mm	5 mm	1



All dimensions are approximate.

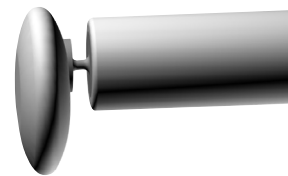
SID = Shaft Inner Diameter H = Head HD = Head Diameter L = Length

Wiet Offset Partial with Malleable Link

- Mid-size dense H/A cap is offset
- Trimmable Flex H/A shaft

Designed by Richard Wiet, MD, Hinsdale, IL

Product	Description	SID	HD	L	Qty
0516	Hydroxylapatite with Flex H/A and Titanium	1.14 mm	3.25 mm	5 mm	1



All dimensions are approximate.

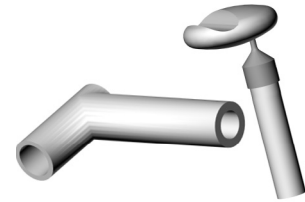
SID = Shaft Inner Diameter H = Head HD = Head Diameter L = Length

Cause Tri-Axial Incus Necrosis Prosthesis

- Dense H/A offset cap and Flex H/A

Developed by Jean-Bernard Cause, MD, Béziers, France

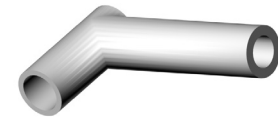
Product	Description	IID	StID	HD	Qty
0585	Hydroxylapatite with Flex H/A and Titanium	0.8 mm	1.17 mm	3.25 mm	1



Flex H/A Incus Necrosis Prostheses

- Flex H/A material can be modified with knife to accommodate anatomical requirements

Product	Description	IID	STID	Qty
0579	Flex H/A, Small	0.8 mm	1.00 mm	1
0580	Flex H/A, medium	0.8 mm	1.17 mm	1
0581	Flex H/A, large	1.0 mm	1.17 mm	1



All dimensions are approximate.

L = Length IID = Incus Inner Diameter STID = Stapes Inner Diameter HD = Head Diameter

Partial Ossicular Reconstruction Implants: Hydroxylapatite-Coated Polycel[®]

Sheehy Partial Ossicular Prosthesis (POP)

- Thin coating of H/A present on surface of Polycel head
- Fully cannulated and can be trimmed with surgical scissors or knife

Endorsed by James L. Sheehy, MD, Los Angeles, CA

Product	Description	SID	HD	L	Qty
1112362	Hydroxylapatite-Coated Polycel	1.17 mm	3 mm	4.75 mm	1



All dimensions are approximate.

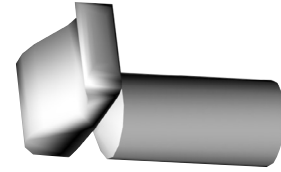
SID = Shaft Inner Diameter H = Head HD = Head Diameter L = Length

Cause Malleus Head Partial

- Dense H/A head

Endorsed by Jean-Bernard Cause, MD, Béziers, France

Product	Description	SID	H	L	Qty
1112197	Hydroxylapatite with Polycel and Stainless Steel	1.17 mm	4 x 2.1 mm	4.75 mm	1

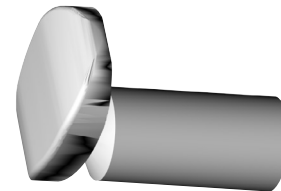


Moretz Cam Head Partial

- Hydroxylapatite head with Polycel and stainless steel
- Cam head design

Endorsed by William H. Moretz, Jr., MD, Augusta, GA

Product	Description	SID	H	L	Qty
1112184	Hydroxylapatite with Polycel and Stainless Steel	1.17 mm	4 x 2.7 mm	10 mm	1
1112185	Hydroxylapatite with Polycel and Stainless Steel	1.17 mm	4 x 2.7 mm	4.75 mm	1



All dimensions are approximate.

SID = Shaft Inner Diameter H = Head HD = Head Diameter L = Length

Austin Modified Partial

- Head is off-center
- Fully cannulated

Endorsed by David F. Austin, MD, Idaho Falls, ID

Product	Description	SID	HD	L	Qty
1156361	Polycel	1.17 mm	3 mm	4.75 mm	1



Cause Fluoroplastic Partial

- Polycel head
- Fluoroplastic shaft

Endorsed by Jean-Bernard Cause, MD, Béziers, France

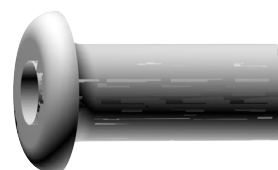
Product	Description	SID	HD	L	Qty
1156376	Polycel and Fluoroplastic	1.17 mm	4 mm	4.75 mm	1



Sheehy Partial Ossicular Prosthesis (POP)

Endorsed by James L. Sheehy, MD, Los Angeles, CA

Product	Description	SID	HD	L	Qty
1156362	Polycel	1.17 mm	3 mm	4.75 mm	1



All dimensions are approximate.

SID = Shaft Inner Diameter HD = Head Diameter L = Length

Causse Notched Offset Total with Short Malleable Link

- Shortened, malleable titanium link
- Notched offset cap
- Dense H/A cap
- Off-set design

Endorsed by Jean-Bernard Causse, MD, Béziers, France

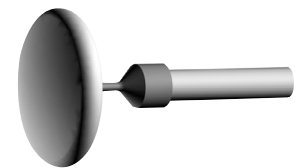
Product	Description	SID	HD	L	Qty
0321	Hydroxylapatite and Titanium	0.8 mm	3.25 mm	9 mm	1



Mushroom Head Total with Malleable Link

- Dense hydroxylapatite head

Product	Description	SID	HD	L	Qty
0300	Hydroxylapatite and Titanium	0.8 mm	4 mm	7 mm	1



Notched Offset Total

- Notched hydroxylapatite head
- Offset design

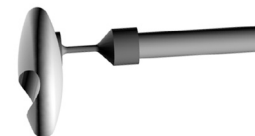
Product	Description	SID	HD	L	Qty
0361	Hydroxylapatite	0.8 mm	4 mm	8 mm	1



Notched Offset Total with Malleable Link

- Flexible titanium link
- Notched cap
- Offset design

Product	Description	SID	HD	L	Qty
0363	Hydroxylapatite and Titanium	0.8 mm	4 mm	7 mm	1



All dimensions are approximate.

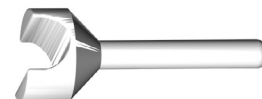
SID = Shaft Inner Diameter HD = Head Diameter L = Length

Total Ossicular Reconstruction Implants: Dense Hydroxylapatite

Robinson Malleus-to-Oval Window Prostheses

Designed by Mendell Robinson, MD, Providence, RI

Product	Description	SID	L	Qty
0340	Hydroxylapatite	0.6 mm	4.5 mm	1
0341	Hydroxylapatite	0.6 mm	5.0 mm	1
0342	Hydroxylapatite	0.6 mm	5.5 mm	1
0343	Hydroxylapatite	0.6 mm	6.0 mm	1



Total 75° Rectangular

- Rectangular head
- Solid, dense H/A
- Angled shaft
- May be shaped with diamond bur under irrigation

Product	Description	SID	H	L	Qty
1112050	Hydroxylapatite	0.89 mm	2.54 x 3.5 mm	8 mm	1



Total 90° Rectangular

- Rectangular head
- Solid dense H/A
- May be shaped with diamond bur under irrigation

Product	Description	SID	H	L	Qty
1112045	Hydroxylapatite	0.89 mm	2.54 x 3.5 mm	8 mm	1



All dimensions are approximate.

SID = Shaft Inner Diameter H = Head HD = Head Diameter L = Length

Total 90° Round

- Round head
- Solid dense H/A
- May be shaped with diamond bur under irrigation

Product	Description	SID	H	L	Qty
1112080	Hydroxylapatite	0.89 mm	2.54 x 3.5 mm	8 mm	1



Total 90° Off-Center Round

- Off-centered round head
- Solid dense H/A
- May be shaped with diamond bur under irrigation

Product	Description	SID	HD	L	Qty
1112085	Hydroxylapatite	0.89 mm	4.00 mm	8 mm	1



All dimensions are approximate.

SID = Shaft Inner Diameter H = Head HD = Head Diameter L = Length

Cause MicroLite® Total with Short Malleable Link

- Thinner cap is notched and offset
- Shortened malleable link allows trimming to short lengths for anatomical variations

Endorsed by Jean-Bernard Causse, MD, Béziers, France

Product	Description	SD	HD	L	Qty
0529	Hydroxylapatite with Flex H/A and Titanium	1 mm	3.25 mm	9 mm	1



Cause Mini-Head Total with Malleable Link

- Shaft can be trimmed with a knife

Endorsed by Jean-Bernard Causse, MD, Béziers, France

Product	Description	SD	HD	L	Qty
0527	Hydroxylapatite with Flex H/A and Titanium	1 mm	2.5 mm	9 mm	1



Cause Notched Offset Total with Short Malleable Link

- Shortened malleable link allows trimming to short lengths
- Notched, dense H/A cap
- Trimmable Flex H/A shaft

Endorsed by Jean-Bernard Causse, MD, Béziers, France

Product	Description	SD	HD	L	Qty
0518	Hydroxylapatite with Flex H/A and Titanium	1 mm	3.25 mm	9 mm	1



All dimensions are approximate.

SD = Shaft Diameter HD = Head Diameter L = Length

Cause-Vincent Notched Narrow Cap with Stainless Steel Wire

- Narrow, notched, offset, dense H/A cap
- Trimmable Flex H/A shaft
- Stainless steel wire through shaft

Endorsed by Jean-Bernard Cause, MD, and Robert Vincent, MD, Béziers, France

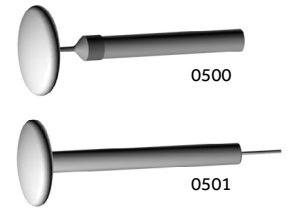
Product	Description	SD	HD	L	Qty
05421	Hydroxylapatite with Flex H/A & SS Wire	1 mm	3.25 mm	9 mm	1



Centered Total with Malleable Link

- Rounded, dense H/A cap
- Trimmable Flex H/A shaft

Product	Description	SID	HD	L	Qty
0500	Hydroxylapatite with Flex H/A and Titanium	1 mm	4 mm	7 mm	1
0501	Hydroxylapatite with Flex H/A and Titanium	1 mm	3 mm	7 mm	1



Centered Total, Non-Malleable

- Dense H/A cap
- Non-malleable shaft, made totally of trimmable Flex H/A

Product	Description	SD	HD	L	Qty
0523	Hydroxylapatite with Flex H/A	1 mm	3 mm	9 mm	1



Haberman Malleable Offset Totals

- Extended malleable link is offset 0.7 mm
- Trimmable Flex H/A shaft

Designed by Rex Haberman, MD, Minneapolis, MN

Product	Description	SD	HD	L	Qty
05031	Hydroxylapatite with Flex H/A and Stainless Steel Wire	1 mm	3 mm	7.7 mm	1



All dimensions are approximate.

SD = Shaft Diameter SID = Shaft Inner Diameter HD = Head Diameter L = Length

Lesinski Offset Total with Malleable Link

- Trimmable Flex H/A shaft

Designed by S. George Lesinski, MD, Cincinnati, OH

Product	Description	SD	HD	L	Qty
0530	Hydroxylapatite with Flex H/A and Titanium	1 mm	3.25 mm	8 mm	1



Malleus Cradle Total with Malleable Link

- Dense H/A cap
- Trimmable Flex H/A shaft

Product	Description	SD	H	L	Qty
0540	Hydroxylapatite with Flex H/A and Titanium	1 mm	2 x 4.4 mm	10.2 mm	1



Millen Thin Head Total, Non-Malleable

- Thin, dense Flex H/A offset cap

Designed by Steven J. Millen, MD, Hales Corner, WI

Product	Description	SD	HD	L	Qty
0564	Hydroxylapatite with Flex H/A and Titanium	1 mm	4 mm	9 mm	1



Millen Thin Head Notched Total, Non-Malleable

- Thin, dense Flex H/A offset cap
- Notched head designed
- Trimmable Flex H/A shaft

Designed by Steven J. Millen, MD, Hales Corner, WI

Product	Description	SD	HD	L	Qty
0565	Hydroxylapatite and Flex H/A	1 mm	4 mm	9 mm	1



All dimensions are approximate.

SD = Shaft Diameter HD = Head Diameter L = Length

Moretz Cam Head Total

- Dense H/A cam cap

Endorsed by William H. Moretz, Jr., MD, Augusta, GA

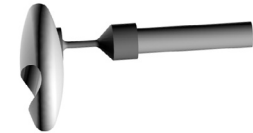
Product	Description	SD	H	L	Qty
0575	Hydroxylapatite with Flex H/A and Stainless Steel	0.6 mm	4.0 x 2.7 mm	8 mm	1



Notched Offset Total with Malleable Link

- Dense H/A notched design
- Offset
- Trimnable Flex H/A shaft

Product	Description	SD	HD	L	Qty
0520	Hydroxylapatite with Flex H/A and Titanium	1 mm	4 mm	9 mm	1



Offset Total with Malleable Link

- Dense H/A offset cap and malleable link
- Trimnable Flex H/A shaft

Product	Description	SD	HD	L	Qty
0510	Hydroxylapatite with Flex H/A and Titanium	1 mm	4 mm	7 mm	1



Wiet Offset Total with Malleable Link

- Mid-size dense H/A cap
- Malleable titanium link
- Trimnable Flex H/A shaft

Designed by Richard Wiet, MD, Hinsdale, IL

Product	Description	SD	HD	L	Qty
0515	Hydroxylapatite with Flex H/A and Titanium	1 mm	3.25 mm	9 mm	1



All dimensions are approximate.

SD = Shaft Diameter H = Head HD = Head Diameter L = Length

Total Ossicular Reconstruction Implants: Hydroxylapatite-Coated Polycel[®]

Brackmann Total

Endorsed by Derald E. Brackmann, MD, Los Angeles, CA

Product	Description	SD	HD	L	Qty
1112303	Hydroxylapatite-Coated Polycel and Stainless Steel	0.6 mm	3 mm	8 mm	1



Sheehy Total Ossicular Prosthesis (TOP)

- Thin coating of H/A on Polycel head
- Oval shaft
- Round surface of head includes tapered edges

Endorsed by James L. Sheehy, MD, Los Angeles, CA

Product	Description	SD	HD	L	Qty
1112363	Hydroxylapatite-Coated Polycel	0.8 x 1 mm	3 mm	7 mm	1



All dimensions are approximate.

SD = Shaft Diameter H = Head HD = Head Diameter L = Length

Cause Cam Head Total with Shoe

- Dense H/A cam head
- Fluoroplastic shaft
- Footplate shoe

Endorsed by Jean-Bernard Causse, MD, Béziers, France

Product	Description	SD	H	L	Qty
1112195	Hydroxylapatite with Fluoroplastic and Stainless Steel	0.4 mm	4 x 2.7 mm	10 mm	1



Cause Delta Head Total

- Small delta head
- Shaft is malleable and may be trimmed with a knife
- Dense hydroxylapatite head with fluoroplastic shaft and stainless steel wire core

Endorsed by Jean-Bernard Causse, MD, Béziers, France

Product	Description	SD	HD	L	Qty
1112194	Hydroxylapatite with Fluoroplastic and Stainless Steel	0.4 mm	2.5 mm	20 mm	1



All dimensions are approximate.

SD = Shaft Diameter HD = Head Diameter L = Length

Cause Malleus Head Total with Shoe

- Dense H/A head
- Malleable fluoroplastic shaft and stainless steel shaft

Endorsed by Jean-Bernard Cause, MD, Béziers, France

Product	Description	SD	H	L	Qty
1112190	Hydroxylapatite with Fluoroplastic and Stainless Steel	0.4 mm	4 x 2.1 mm	10 mm	1



Cause Stapedotomy Revision Prosthesis with Short Malleable Link

- Short malleable link allows prosthesis to be trimmed to very short lengths
- Notched H/A cap

Endorsed by Jean-Bernard Cause, MD, Béziers, France

Product	Description	SD	HD	L	Qty
0322	Hydroxylapatite with Fluoroplastic and Titanium	0.4 mm	3.25 mm	9 mm	1



Austin Modified Total

Endorsed by David F. Austin, MD, Idaho Falls, ID

Product	Description	SD	HD	L	Qty
1156305	Polycel and Stainless Steel	0.6 mm	3 mm	8 mm	1



Brackmann Modified Total

Endorsed by Derald E. Brackmann, MD, Los Angeles

Product	Description	SD	HD	L	Qty
1156303	Polycel and Stainless Steel	0.6 mm	3 mm	8 mm	1



All dimensions are approximate.

SD = Shaft Diameter H = Head HD = Head Diameter L = Length

Fisch Modified Total

Endorsed by Professor Ugo Fisch, MD, Zurich, Switzerland

Product	Description	SD	H	L	Qty
1156307	Polycel and Stainless Steel	0.6 mm	2.2 x 3 mm	8 mm	1



Fisch Spandrel II Total with Shoe

Endorsed by Derald E. Brackmann, MD, Los Angeles

Product	Description	SD	HD	L	Qty
1156308	Footplate Shoe Only - Polycel				1



Polycel Malleus-to-Footplate Strut

Endorsed by M. Coyle Shea, MD, Memphis, TN, and Professor M. Bauer, MD, Pecs, Hungary

Product	Description	SD	HD	L	Qty
1156310	Polycel and Stainless Steel	0.6 mm	2.5 mm	8 mm	1



Sheehy Total Ossicular Prosthesis (TOP)

Endorsed by James L. Sheehy, MD, Los Angeles, CA

Product	Description	SD	HD	L	Qty
1156363	Polycel	0.8 x 1 mm	3 mm	8 mm	1



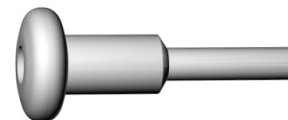
All dimensions are approximate.

SD = Shaft Diameter H = Head HD = Head Diameter L = Length

Bojrab Universal Prosthesis

Designed by Dennis Bojrab, MD, Farmington Hills, MI

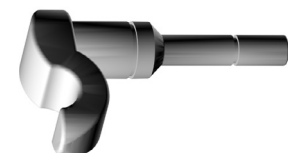
Product	Description	PID	HD	PL	TL	Qty
0506	Hydroxylapatite with Flex H/A shaft	1.14 mm	3 mm	3.65 mm	7 mm	1
0507	Hydroxylapatite with Flex H/A shaft	1.14 mm	3 mm	6.00 mm	9 mm	1



Campbell Universal Prosthesis

Developed in conjunction with Emmett E. Campbell, MD, FACS

Product	Description	PID	HD	PL	TL	Qty
0505	Hydroxylapatite and Flex H/A	1.14 mm	3.5 narrowed	3.5 mm	7 mm	1



Convertible Prosthesis – Total, Partial, or Strut

- Three-in-one implant: options include total, with or without a footplate, a partial or a strut
- Supplied as a partial with separate insertable total shaft with shoe
- Cap is dense H/A shaft is Flex H/A

Product	Description	PID	HD	PL	TL	Qty
0590	Hydroxylapatite and Flex H/A	1.14 mm	3 mm	5 mm	8 mm	1



Garcia-Ibanez Notched Universal Prosthesis

- Converts from a total to a partial with a knife

Designed by Emilio Garcia-Ibanez, MD, Barcelona, Spain

Product	Description	PID	H	PL	TL	Qty
0508	Hydroxylapatite, Flex H/A	1.14 mm	3.3 x 2.9 mm	4.25 mm	8 mm	1



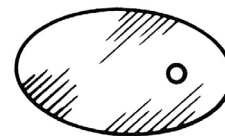
All dimensions are approximate.

PID = Partial Inner Diameter H = Head HD = Head Diameter
PL = Partial Length TL = Total Length

Causse Stapes Sheet

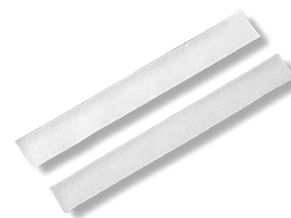
Endorsed by Jean-Bernard Causse, MD, Béziers, France

Product	Description	L	H	T	Qty
1128450	Fluoroplastic	15 mm	8 mm	.03 mm	1



Silverstein Packing Strips

Product	Description	W	L	T	Qty
1428005	Polyester	6 mm	50 mm	.08 mm	6
1428010	Polyester	6 mm	30 mm	.08 mm	6

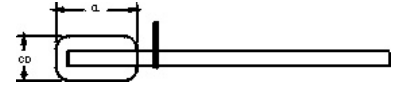


Ossicular Reconstruction
Implants and Accessories

Austin Endolymphatic Shunt

Endorsed by David Austin, MD, Chicago, IL

Product	Description	CD	CL	OD	ID	L	Qty
1156404	Polycel with Silicone and Platinum	2 mm	3.5 mm	0.64 mm	0.3 mm	18 mm	1



All dimensions are approximate.

CD = Chamber Diameter CL = Chamber Length OD = Outer Diameter
 ID = Inner Diameter L = Length

Juhn Tym-Tap® Middle Ear Fluid Aspirator/Collector

Designed by S.K. Juhn, MD, Minneapolis, MN

Product	Qty
1419010	10



Tympanocentesis Collector

Modified by Alejandro Hoberman, MD, Pittsburgh, PA

Product	Qty
1419020	10

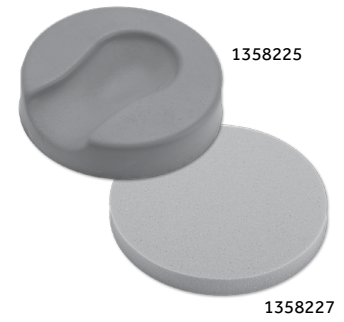


Head Supports

Bio-Flek® Surgical Head Supports

Offset design endorsed by William H. Moretz, Jr., MD, Augusta, GA

Product	Size	Qty
1358225	Standard, 50.8 mm x 22.9 cm (2" x 9")	1
1358227	Riser, 25.4 mm x 22.9 cm (1" x 9")	1



Thornton Headrest

Product	Qty
0009900	3



All dimensions are approximate.

TISSUE HEALTH

Medtronic

Chitogel Endoscopic Sinus Surgery Kit

- Postoperative sinus gel

Product	Description	Qty
CSK-4	Chitogel Endoscopic Sinus Surgery Kit	1



MeroGel® Nasal Dressing/Sinus Stent/Otologic Dressing or Packing

- A packing material made from HYAFF®, an esterified form of hyaluronic acid

Product	Description	Qty
1517100	MeroGel Otologic Packing, 1 cm x 5 cm	1
1517000	MeroGel Nasal Dressing/Sinus Stent and Otologic Packing, 4 cm x 4 cm	1
1517002	MeroGel Nasal Dressing/Sinus Stent and Otologic Packing, 4 cm x 4 cm	2



MeroPack® Bioresorbable Nasal Dressing and Sinus Stent

- A packing material made from HYAFF®, an esterified form of hyaluronic acid and Collagen

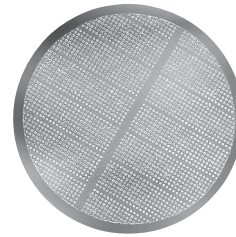
Product	Description	Qty
1520001	MeroPack® Bioresorbable Nasal Dressing and Sinus Stent	2
1520000	MeroPack Bioresorbable Nasal Dressing and Sinus Stent	6



EpiDisc® Otologic Lamina

- An otologic device made from HYAFF®, an esterified form of hyaluronic acid
- Pre-cut, 8 mm spherical discs of EpiFilm® material

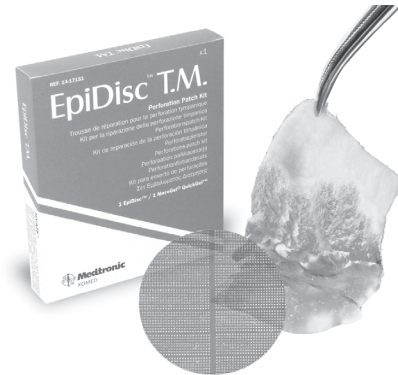
Product	Description	Qty
1417100	EpiDisc Otologic Lamina, 8 mm Disc	2



EpiDisc® Tympanic Membrane Perforation Patch Kit

- Consists of one 8 mm EpiDisc matrix device and a 2 cm x 2 cm square of MeroGel® QuickGel™ Otologic Dressing, a fast-hydrating form of MeroGel

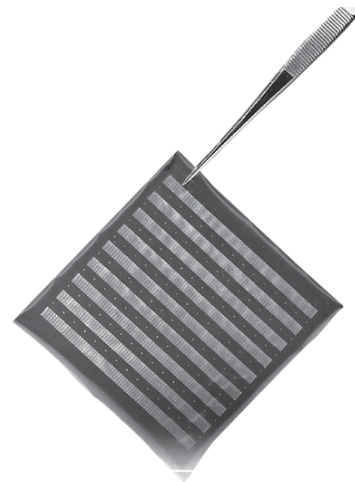
Product	Description	Qty
1417151	EpiDisc Tympanic Membrane Perforation Patch Kit	1



EpiFilm® Otologic Lamina

- An otologic device made from HYAFF®, an esterified form of hyaluronic acid

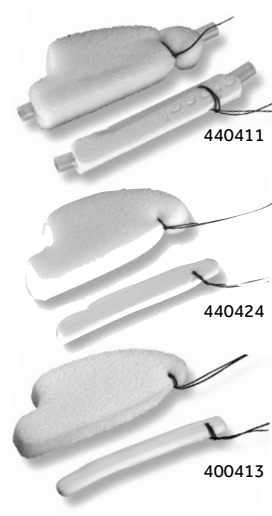
Product	Description	Qty
1417000	EpiFilm Otologic Lamina, 2.5 cm x 2.5 cm	1



Postoperative Dressing

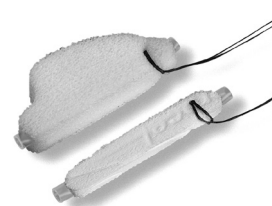
Merocel® Doyle Nasal Dressing

Product	Description	Length	Thickness	Height	Qty
400411	Without String, With Airway	8 cm	1.5 cm	3 cm	10
440411	With String, With Airway	8 cm	1.5 cm	3 cm	10
400424	Without String	8 cm	1.5 cm	3 cm	10
440424	With String	8 cm	1.5 cm	3 cm	10
400413	Without String	8 cm	1 cm	3 cm	10
440413	With String	8 cm	1 cm	3 cm	10



Merocel® Doyle Nasal Dressing, Pediatric

Product	Description	Length	Thickness	Height	Qty
400412	Without String	5.5 cm	1.2 cm	2.5 cm	20
440412	With String	5.5 cm	1.2cm	2.5 cm	10



Merocel® Kennedy Intranasal Surgical Sponge (KISS) Intra-Op Throat Pack

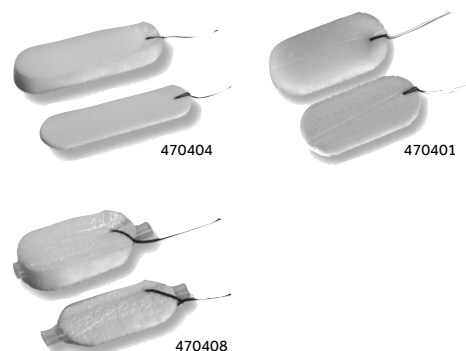
Designed by David Kennedy, MD, Philadelphia, PA

Product	Qty
400515	10



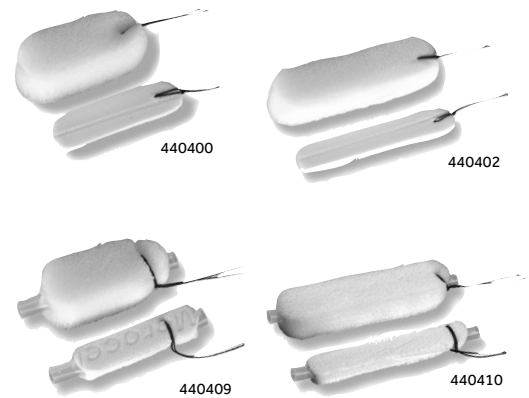
Merocel® 2000 Nasal Packing

Product	Description	Length	Thickness	Height	Qty
470401	With String	4.5 cm	1.5 cm	2 cm	10
470404	With String	8 cm	1.5 cm	2 cm	10
470408	With String, With Airway	4.5 cm	1.5 cm	2 cm	10



Merocel® Standard Dressing

Product	Description	Length	Thickness	Height	Qty
400400	Without String	4.5 cm	1.5 cm	2 cm	20
440400	With String	4.5 cm	1.5 cm	2 cm	10
400402	Without String	8 cm	1.5 cm	2 cm	20
440402	With String	8 cm	1.5 cm	2 cm	10
400409	Without String, With Airway	4.5 cm	1.5 cm	2 cm	20
440409	With String, With Airway	4.5 cm	1.5 cm	2 cm	10
400410	Without String, With Airway	8 cm	1.5 cm	2 cm	20
400405	Without String, Single Compression, With Airway	8 cm	1.5 cm	2 cm	20
440410	With String, With Airway	8 cm	1.5 cm	2 cm	10



Merocel® Pope Epistaxis Packing

- Available with or without drawstring

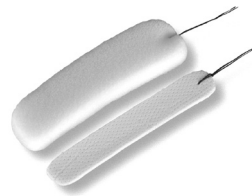
Product	Description	Length	Thickness	Height	Qty
400406	Without String	10 cm	1.5 cm	2.5 cm	10
440406	With String	10 cm	1.5 cm	2.5 cm	10



Merocel® Pope Flex-Pak®

- Flexible epistaxis packing with pinholes and drawstring

Product	Length	Thickness	Height	Qty
460406	10 cm	1.5 cm	2.5 cm	10



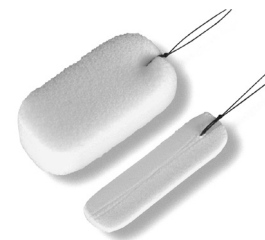
Merocel® Staxi-Stat® Pack

Product	Description	Qty
400416	Without String	10
440416	With String	10



Merocel® Weimert Epistaxis Packing

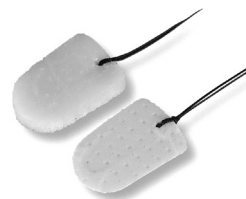
Product	Description	Length	Thickness	Height	Qty
400421	With String	5.5 cm	1.5 cm	2.5 cm	20



All dimensions are approximate.

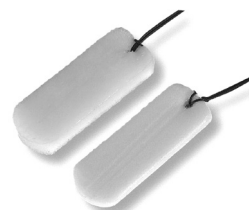
Merocel® 2000 Laminated Baron SinuStent® Dressing

Product	Description	Length	Thickness	Height	Qty
470531	With String, Ultra-Slim Profile	2.5 cm	0.6 cm	2 cm	10 pairs



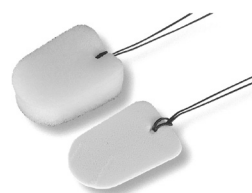
Merocel® 2000 Laminated Kennedy SinuStent Dressing

Product	Description	Length	Thickness	Height	Qty
470530	With String, Ultra-Slim Profile	3.5 cm	0.6 cm	1.2 cm	10 pairs



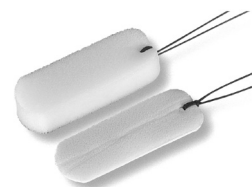
Merocel® Baron Sinus-Pak

Product	Description	Length	Thickness	Height	Qty
400407	With String, Regular	2.5 cm	1.2 cm	2 cm	10 pairs



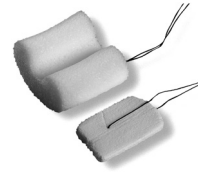
Merocel® Kennedy Sinus-Pak

Product	Description	Length	Thickness	Height	Qty
400422	With String, Regular	3.5 cm	1.2 cm	1.2 cm	10 pairs
400426	With String, Slim-Profile	3.5 cm	0.9 cm	1.2 cm	10 pairs
400530	With String, Ultra-Slim Profile	3.5 cm	0.6 cm	1.2 cm	10 pairs



Merocel Ora-Pak Intra-Op Throat Pack

Product	Qty
400520	10



Merocel® Toffel Sinus-Pak Kit with Airway Tube

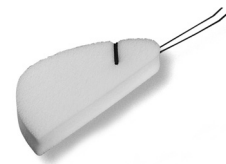
- Sinus-Pak (4.5 cm L x 1.3 cm T x 2.0 cm H)
- Nasal Dressing (7.5 cm L x 1.5 cm T x 3.5 cm H)
- Airway Tube (8 cm L)

Product	Qty
400423	10 kits



Merocel® Toffel Slim-Profile Sinus-Pak

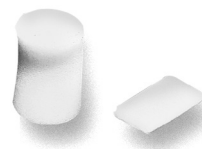
Product	Description	Length	Thickness	Height	Qty
400428	Slim-Profile	4.5 cm	0.9 cm	2 cm	10 pairs



All dimensions are approximate.

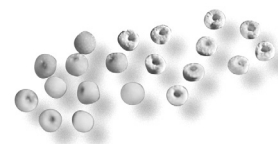
Merocel® Ear Packs, Ambrus

Product	Diameter	Length	Qty
400354	15 cm	20 cm	20



Merocel® Micro Spheres

Product	Diameter	Thickness	Qty
400150	3 cm	0.7 cm	100
400151	4 cm	0.7 cm	100
400152	5 cm	0.7 cm	100



Merocel® Ear Wicks, Pope

Product	Diameter	Length	Qty
400141	9 mm	15 mm	50
425141	9 mm	15 mm	25
400146	9 mm	24 mm	10
400144	12 mm	24 mm	10



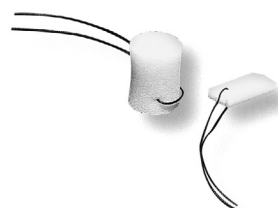
Merocel® Ear Packs, Post-Op

Product	Diameter	Length	Qty
400162	12 mm	24 mm	10



Merocel® Ear Packs, Schindler

Product	Description	Diameter	Length	Qty
400355	With Drawstring	12 mm	15 mm	10
400356	With Drawstring	9 mm	13 mm	10
400357	With Drawstring, Fenestrated	9 mm	13 mm	10



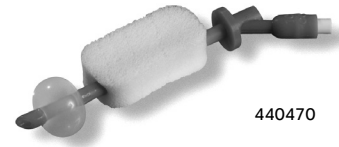
Merocel® Pope Oto-Wick®

Product	Description	Size	Qty
1425008	Fenestrated	15 mm	50
1425010	Fenestrated	24 mm	50



Medtronic ENT Epistat® II Nasal Catheter

Product	Description	Length	Thickness	Height	Qty
400470	Epistat® II Catheter	5.5 cm	1.5 cm	2.5 cm	1



440470

Medtronic ENT Epistat® Nasal Catheter

Product	Description	Qty
1527031	Epistat® Nasal Catheter	1

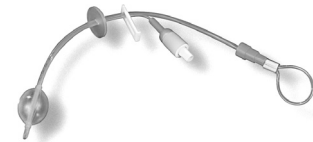


1527031

Nasal Postpac

Designed by Richard L. Goode, MD, Palo Alto, CA

Product	Qty
1526800	5



Tami Sinus Secretion Collector

Developed in conjunction with Thomas A. Tami, MD

Product	Qty
1514000	10



All dimensions are approximate.

Boomerang® Turbinate Glove and Septal Splint

Product	Qty
600500	5 pairs



Oval Septal Splints

Product	Length	Thickness	Height	Qty
1523000	6.4 cm	1 mm	4.2 cm	5 pairs



Bridgemaster® Nasal Splints

- Articulated nasal splint's flexible aluminum stabilizer adjusts inward
- Segmented foam pads

Product	Description	Qty
600302	Small Splint	5
600306	Large Splint	5



Doyle Bi-Valve Septal Splint

Product	Qty
1524075	1 pair



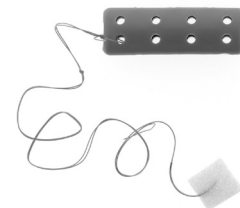
Doyle II Intranasal Airway Splints

Product	Qty
1524050	5 pairs
1524055	1 pair



Gaskins Vent Pack Splint

Product	Qty
1526701	1



External Nasal Splints

Product	Description	Qty
1528110	Single, Small	25
1528111	Single, Small	5
1528120	Single, Medium	25
1528121	Single, Medium	5
1528137	Single, Large	25
1528138	Single, Large	5



Goldsmith Inflatable Airway Splint

Designed by Manning Goldsmith, III, MD, Savannah, GA

Product	Description	Qty
1524060	Silicone	1 pair



Goode Magne-Splint

- Cobalt-Samarium magnets ensure compression
- Medical grade silicone
- Pre-attached string

Designed by Richard L. Goode, MD, Palo Alto, CA

Product	Description	Qty
1516000	Regular	1 pair
1516010	Large	1 pair



Murphy Nasal Splints

- Gel splint
- 0.5mm center ridge under the gel
- Aluminum-strength wafer
- No additional adhesive required

Product	Description	Qty
1539000	External, Small	5
1539010	External, Medium	5
1539020	External, Large	5

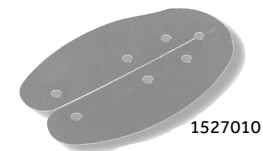


All dimensions are approximate.

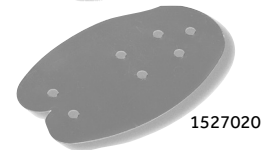
Reuter Splint

- Constructed of fluoroplastic
- Pre-punched holes for easier suturing
- Designed by S. Harold Reuter, MD, Houston, TX

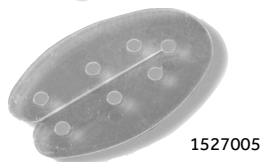
Product	Description	Qty
1527010	Thin 0.25 mm	5 pairs
1527015	Thick 0.5 mm	5 pairs
1527020	Thick 0.5 mm, No Slit	5 pairs
1527025	Thin 0.25 mm, No Slit	5 pairs
1527000	Thin 0.25 mm	5 pairs
1527005	Thick 0.5 mm	5 pairs



1527010



1527020

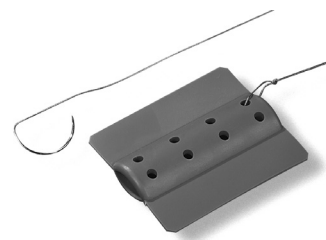


1527005

Rice Double Keel Pack

- Consists of an ovoid cylindrical tube of C-Flex®
- Approximately 30 mm long with a series of perforations throughout the length of the tube

Product	Qty
1526702	1



Merocel® Silicone Splint

- Septal splint folds
- Firm, yet flexible silicone
- Available to order individually or as kit

- Kit includes:
 - 2 Silicone Septal Splints (400561)
 - 2 Merocel® Nasal Packs

Product	Length	Thickness	Height	Qty
400561	75 mm	25 mm	1 mm	5 pairs
400562				5 kits



400561



400562

Simple Splint

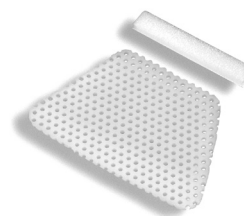
- Simple, inexpensive fluoroplastic splint
- Easily trimmed to fit

Product	Length	Thickness	Height	Qty
1522000	2.75"	0.02"	1.75"	10 pairs
	7 cm	0.5 cm	4.4 cm	



Thermaspilnts

Product	Description	Qty
1529000	Small	10
1529010	Medium	10
1529020	Large	10



1529010

All dimensions are approximate.

Nasal Septal Button

- Medical silicone construction

Product	Diameter	Qty
1524105	3 cm	1

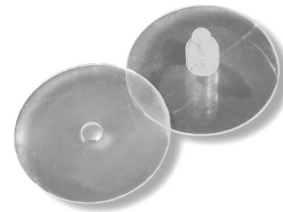


Two-Part Adjustable Septal Button

- For non-surgical closure of nasal septal perforations
- Two-part button
- Medical silicone construction

Designed by Manning Goldsmith, III, MD, Savannah, GA

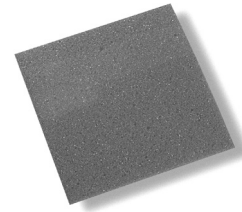
Product	Diameter	Qty
1524110	3 cm	1



Instrument Wipes

- Removes fluid and debris from delicate instruments

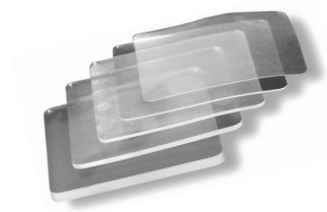
Product	Description	Qty
2218525	3.5" x 3.5" (8.9 cm x 8.9 cm)	25



Medtronic ENT Silicone Sheeting

- Sheets are made of biocompatible silicone elastometer
- Sheets can be cut and trimmed as needed during procedures

Product	Thickness	Qty
1532500	5 cm x 5 cm x .25 mm (2" x 2" x .010")	10
1532505	5 cm x 5 cm x .13 mm (2" x 2" x .005")	10
1532510	5 cm x 5 cm x .5 mm (2" x 2" x .020")	10
1532520	5 cm x 5 cm x 1 mm (2" x 2" x .040")	10
1532530	5 cm x 5 cm x 1.6 mm (2" x 2" x .062")	10
1532540	5 cm x 5 cm x 3.2 mm (2" x 2" x .125")	10

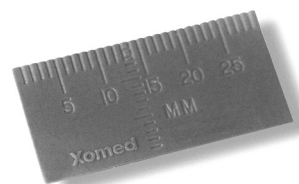


All dimensions are approximate.

Micro-Grid Silicone Metric Ruler

- Metric scale background
- Radiopaque medical grade silicone
- Sterile

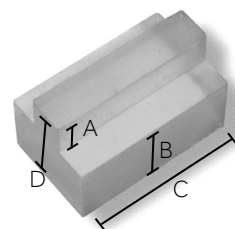
Product	Description	Qty
4022800	Green, 30 mm x 15 mm x 0.4 mm with 1 mm Squares	10
4022805	Blue, 30 mm x 15 mm x 0.4 mm with 1 mm Squares	10



Silicone Strip

- For use as an implant material to aid in surgical repairs and augmentation in ENT and reconstructive head and neck surgery
- May be cut and trimmed during procedures to size needed (A, B, C, or D)
- Non-sterile

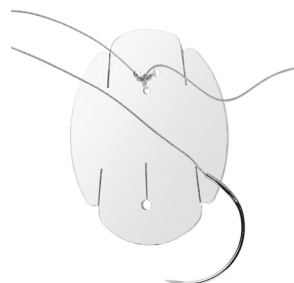
Product	A	B	C	D	Qty
1532600	4.5 mm	9 mm	20 mm	12.5 mm	



ALAR® Nasal Valve Stent

Designed in conjunction with Howard Stupak M.D.

Product	Description	Qty
15000	20 x 16 mm Fluropastic Stent	2 per box



Rx only. Refer to product instruction manual/package insert for instructions, warnings, precautions and contraindications.

For further information, please call Medtronic ENT at 800.874.5797 or consult Medtronic's website at www.medtronicent.com.

Medtronic

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Latin America HQ 305-500-9328

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Argentina 54-11-4898-5700

Australia 1-800-668-670

Baltic Region 37-1-67560226

Belgium 32-2456-09-09

Brazil 55-11-2182-9200

Canada 1-800-268-5346

Chile 56-2-2655-5110

China 86-10-5869-8989

Colombia 57-1-742-7300

Czech Republic 420-233-059-111

France 33-470-679-800

Germany 49-2159-8149-353

Greece 30-210-67-79-099

Hong Kong 852-2919-1300

Hungary 36-188-90600

India 91-22-33074700

Israel 972-9-972-4400

Italy 39-02-24137-324

Japan 81-3-6774-4611

Korea 82-2-3404-3600

Lebanon 961-1-370-670

Luxembourg 32-2456-09-09

Malaysia 60-37-953-4800

Mexico 52-55-11-02-90-30

Netherlands 31-45-566-8800

Poland 48-22-4656900

Russian Fed. 7-495-580-73-77

Singapore 65-6436-5000

South Africa 27-11-260-9300

Spain 34-91-625-05-40

Taiwan 886-2-2183-6000

Thailand 662-232-7400

UK 44-1923-205-166