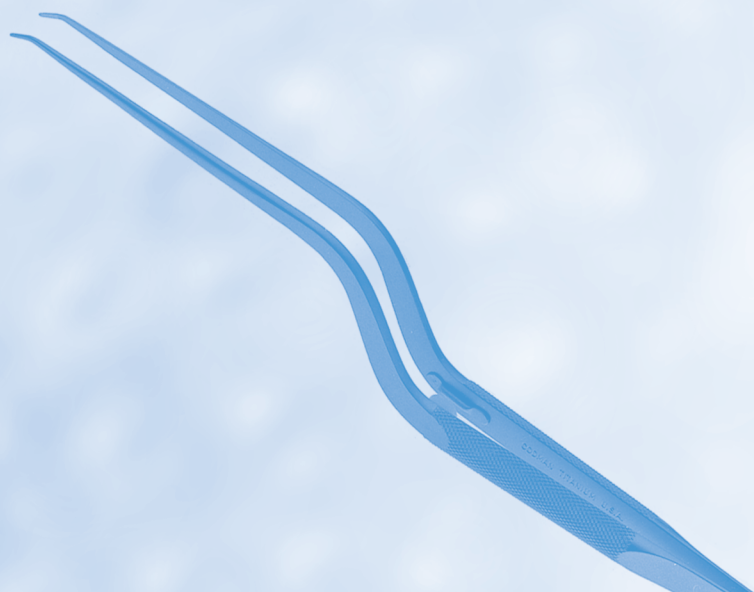




SURGICAL INSTRUMENT

C A T A L O G



Codman
a *Johnson & Johnson* company

Codman SURGICAL PRODUCTS CATALOG

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Codman
a Johnson & Johnson company

TERMS OF SALE

A. ORDERING INFORMATION

Purchase orders may be addressed to:

Johnson & Johnson Health Care Systems, Inc.
425 Hoes Lane, P.O. Box 6800
Piscataway, NJ 08855-6800
Attn: Customer Service

or telephoned to Johnson & Johnson Health Care Systems, Inc. Service Department toll free number 1-800-255-2500. Orders may also be placed with your local Codman sales representative.

To insure accuracy in ordering, please include the following information when placing your order:

1. Catalog Number
2. Quantity
3. Product Description
4. Your Customer Number*
5. Complete Billing and Shipping Addresses
6. Special Instructions (i.e.: etching, method of shipment)

*Your customer Number can be provided to you by Johnson & Johnson Health Care Systems, Inc. Customer Service Department.
All orders are subject to acceptance by Codman & Shurtleff, Inc./Johnson & Johnson Health Care Systems, Inc.

Requests for quotes may be addressed to:

Codman & Shurtleff, Inc.
325 Paramount Dr.
Raynham, MA 02767
Attn: Customer Service
FAX: 508-828-3070
Phone: 800-225-0460
email: codmanbids"es@dpyus.jnj.com

Purchase orders that result from a quote should be sent to Codman & Shurtleff, Inc. at the same address or fax.

B. REPAIR AND RESTORE PROGRAMS

1. Repair Program

Codman provides a quality repair service for instruments from all manufacturers. Every effort is made by our skilled craftspersons to see that damaged instruments are repaired to optimal working condition. Repair instruments deemed unacceptable may be returned. Your satisfaction is guaranteed. For Repairs call the Repair Department at 1-800-343-5969.

2. Restore Program

Codman's Restore Program provides hospitals with an opportunity to refurbish large quantities of instruments in 24 to 48 hours. Restore is a preventive maintenance program and reduces the chances of instrument breakage when performed on a routine basis.

3. Warranty

Repair and Restore products are warranted to be free from defects in workmanship and material with respect to the Repair and Restore only, and not with respect to the original instrument.

C. SPECIAL ORDERS

Products that have been discontinued by Codman, may be available through our Repair Department.

Codman's Special Devices Department provides hospitals and surgeons with surgical instrumentation customized to individual specifications.

Order forms for Special Devices can be obtained from your sales representative or by directly contacting the Special Order Department at 1-800-843-0039.

For pricing, delivery, and more information regarding special order products, please call the Special Order Department at 1-800-843-0039.

D. PRICES

Prices are as listed in Codman's current price list, and are subject to change without notice.

Prices in the Price List are for One Unit, unless otherwise noted. Where prices are for more than one unit, the minimum shipping unit must be ordered.

E. PURCHASE AGREEMENT

Hospitals may be interested in reviewing the features of our ANNUAL PURCHASE AGREEMENT. For further details, contact your Codman sales representative.

Written price quotations are available from the Codman Customer Service Department or your local sales representative.

F. RETURN GOODS POLICY

It is Codman's intention to provide our customers with a prompt and effective Return Goods Program.

1. Merchandise returned to Codman* in compliance with the Return Goods Policy for credit will be processed within a 30 day period of time.

*Goods should be returned to:

Codman & Shurtleff, Inc.
50 Scotland Blvd.
Bridgewater, MA 02324
Attn: Credit Return Dept.

TERMS OF SALE

- a) Merchandise returned within ninety (90) days from invoice date will be credited as follows:
 - 1) Full Credit for all merchandise returned in resalable condition. Sterile products must be returned in unopened shipping containers.
 - 2) A nominal fee per instrument may be charged for removing etching from instruments or repackaging.
- 2. Non-returnable Merchandise:
 - a) Discontinued products. (Products no longer carried in the current Codman Price List. For further information, please check with Customer Service.)
 - b) Nonstockable items. (Items which have been used.)
 - c) Engraved instruments.
 - d) Custom made instruments.
 - e) Items held beyond ninety (90) days from invoice date.
 - f) Partial kits.
 - g) Color-coded instruments.

All above categories of non-returnable merchandise will be returned directly to the customer, F.O.B. Destination with a letter of explanation.

G. INSTRUMENT CARE

Codman provides an In-Service Program on "The Care and Handling of Surgical Instruments." This service is conducted by your local Codman Sales Representative. Codman also provides prepared brochures* on "The Care and Handling of Surgical Instruments," and its own Instrument Repair and Restore Programs. All of these services are designed by Codman to protect your valuable investment in surgical instruments.

*This brochure and others are available through the Literature Department.

H. WARRANTY

The products shown in this catalog are warranted to be free from defects in workmanship or materials.

Specific warranty periods and other warranty terms vary with the over 3,500 products in this catalog and specific warranty information may be included in package inserts with specific products or in operator's manuals for specific products.

All tungsten-carbide inserts on CLASSIC PLUS Needle Holders & Forceps are guaranteed for the first 5 years of normal use.

All STELLITE inserts on CLASSIC PLUS scissors are guaranteed for the first 10 years of normal use. Electrical and pneumatic equipment and aneurysm clips are sold

with product inserts and/or owner's manuals and additional warranty information is contained therein.

For disposable and silicone products, in addition to the warranty printed on this page, the products are warranted to be in a sterile condition if the package in which the product is contained is intact in its original sealed condition.

For specific warranty information contact your local Codman sales representative by calling 1-800-255-2500.

Remedy

Any product which proves defective in workmanship or materials will be repaired or replaced at our discretion free of charge.

Warranty Returns should be addressed to:

Codman & Shurtleff, Inc.
325 Paramount Drive
Raynham, MA 02767
Attn: Customer Quality Satisfaction

Limitations

Alteration, repair or modification of any product which is performed by persons not authorized by Codman, Inc. will result in immediate loss of warranty.

Exclusion of Other Warranties and Remedies

EXCEPT FOR THE EXPRESS WARRANTY ABOVE- STATED, CODMAN & SHURTLEFF, INC. DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS. THE STATED WARRANTY AND REMEDY PROVIDED ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES PROVIDED BY LAW.

Limitation of Liability for Damages

Codman & Shurtleff, Inc. shall not in any case, be liable for direct, indirect, special, incidental or consequential damages arising from breach of warranty, breach of contract, negligence, or any other legal theory. Such damages include but are not limited to, loss of profits or revenues, loss of use of the product or any associated equipment, cost of capital, cost of any substitute product, facilities or services, down-time costs, or claims of customers for such damages.

I. MATERIALS AND DESCRIPTIONS

Instruments in this catalog are stainless steel, unless otherwise indicated. Instrument photographs shown in the catalog may not precisely represent the instruments.

Every effort has been made to depict and describe the products accurately; however, we reserve the right to

TERMS OF SALE

alter our patterns and make modifications to certain products from time to time, and without notice.

Measurements noted may vary slightly.

J. REPRESENTATION

For the name and address of your Codman Sales Representative, please contact our Johnson & Johnson Health Care Systems Customer Service Department 1-800-255-2500 or Codman Customer Service at 1-800-225-0460.

K. CODMAN U.S. TRADEMARKS

The following trademarks are used in identifying Codman products:

AGILECATH™
ACCU-FLO®
AHT®
BACTISEAL®
BOOKWALTER®
BOOKWALTER® ROTILT®
CLASSIC®
CLASSIC PLUS®
CMC®
COACT®
CODMAN®
CODMAN® MICROSENSOR®
COTTONOID®
CRANIOSORB®
DURAFORM™
EDS™
E-SERIES®
EXACT FLO®
FTX™
HOLTER®
HYDROSENSE™
ICP EXPRESS®
ISOCOOL®
LIFE NPH™
MAGNAFREE®
ME2®
MICROCARE®
MICROSECT®
MICROVASC®
NEUROGUIDE®
NEURONEWS®
OPTI-LENGTH™
PRESERVE®
QUICKLINE®
RAPIDCLEAN®

RICKHAM®
SECTO®
SLIM-LOC®
SIPHONGUARD®
SOF'WIRE®
SYNERGY®
UNI-SHUNT®
VERTEBROPLASTIC®
VPV®
MEDSTREAM™

L. OTHER TRADEMARKS

ANEUROPLASTIC® is a registered trademark of DePuy International
BICOL® is a registered trademark of Ethicon, Inc.
BIOPLATE™ is a trademark of Bioplate, Inc.
BIOMESH™ is a trademark of Bioplate, Inc.
BRITE-LITE™ is a trademark of Applied Fiberoptics, Inc.
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COACT™ is a trademark of Johnson & Johnson
CON-CLIP™ is a trademark of Ethicon, Inc.
CRANIOPLASTIC® is a registered trademark of DePuy International Limited Corporation
CROCKARD™ is a trademark of Hillway Surgical Ltd.
DURABRITE™ is a trademark of Applied Fiberoptics, Inc.
ELGILOY™ is a trademark of Elgiloy Company
ETHISORB® is a registered trademark of Johnson & Johnson
FLEXBAR™ is a trademark of Flexbar Corp.
THE GHAJAR GUIDE® is a registered trademark of Neurodynamics, Inc.
GREENBERG™ is a trademark of I.M. Greenberg, M.D.
HAKIM® is a registered trademark of Medos S.A. (for hydrocephalus)
HARDY™ is a trademark of Jules Hardy, M.D.
KARLIN™ is a trademark of Karlin Technology, Inc.
KEVLAR® is a registered trademark of E.I. du Pont de Nemours and Company
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MALIS® is a trademark of Synergetics USA, Inc.
MEDOS® is a registered trademark of Medos S.A.
MICRA™ is a trademark of Microsurgical Administrative Services, Ltd.
NEUROTREND™ is a trademark of Diametrics, Inc.
NUROLON® is a registered trademark of Johnson & Johnson
POLAROID® is a registered trademark of Polaroid Corporation
RHOTON™ is a trademark of Al Rhoton, M.D.
PRIMACRYL® is a registered trademark of Johnson & Johnson

TERMS OF SALE

SURG-I-BAND™ is a trademark of Scanlan Company
TYVEK® is a registered trademark of E.I. du Pont de Nemours and Company
ULTEM® is a registered trademark of General Electric
VISICATH® is a registered trademark of Microvasive, Inc.
ZIP® is a registered trademark of Bioplate, Inc.
SPETZLER® is a registered trademark of Robert Spetzler, M.D.
WISHBOOK™ is a trademark of Minnesota Scientific, Inc.

CODMAN INTERNATIONAL DIRECTORY

For International contact information

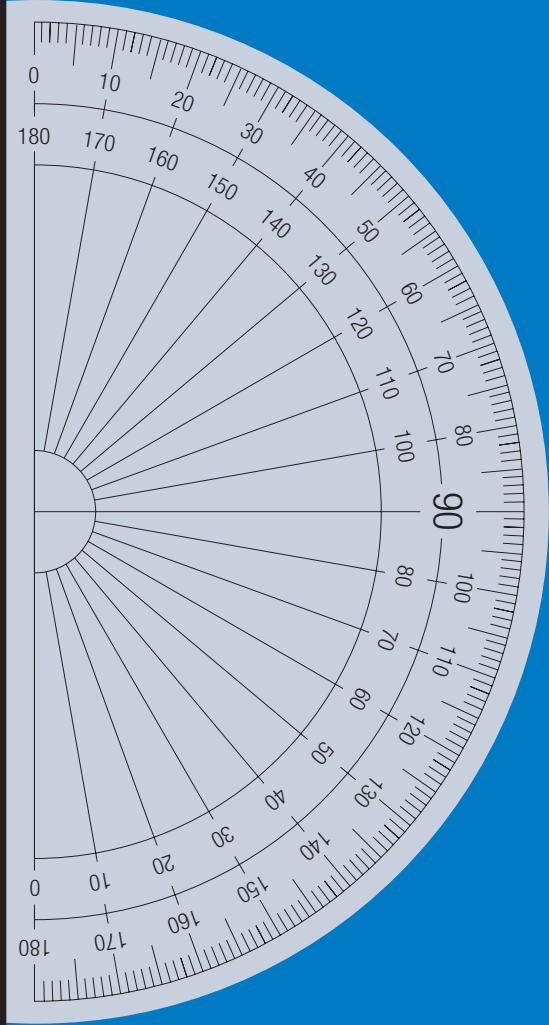
■ Call Codman Customer Service @ 1-800-225-0460.

OR

■ www.codman.com

NEUROSURGICAL





APPLIER, SCALP CLIP

20-5117	LeROY Scalp Clip Applying Forceps Adult size for use with 20-1032 or 20-1034 LeROY clips. Length 7¼" (184mm)
20-5120	Infant size for use with 20-1035 Infant LeROY clips. Length 7¼" (184mm)

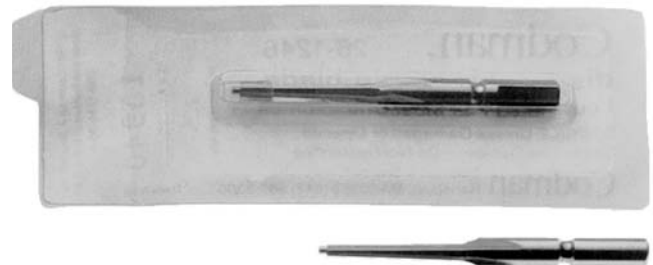


20-5115	RANEY Scalp Clip Applying Forceps, use with 20-1037 or 20-1025 RANEY clips. Length 6¼" (159mm)
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BLADES, CRANIO

26-1246	CODMAN Cranio-blade. Sterile, disposable, package of five.
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CLAMP, ARTERY



19-1010



19-1011



19-1012

SCHWARTZ Temporary Intracranial Artery Clamps, 301 stainless steel, sold six per package. Use with 20-5008 SCHWARTZ Temporary Clamp Applying Forceps only. Approximate closing pressure over 500 gms.

	Type	Width	Length
19-1010	Straight	1.6mm	9.5mm
19-1011	25° angle	1.6mm	9.5mm
19-1012	45° angle	1.6mm	9.5mm



20-5008 SCHWARTZ Temporary Vessel Clamp Applying Forceps, applies SCHWARTZ Temporary Clips only.
Length 7³/₄" (197mm)

CLIPS, ANEURYSM



20-1856



20-1855

SUNDT SLIM-LINE Mini Aneurysm Clip Appliers
Applies the corresponding, #6 or #7 mini aneurysm clips only.

20-1855 Mini Aneurysm Clip Applier #6
20-1856 Mini Aneurysm Clip Applier #7

CORD, MONOPOLAR

29-1002	BUCY-FRAZIER Cautery Cord
Length	11' (3.35m)



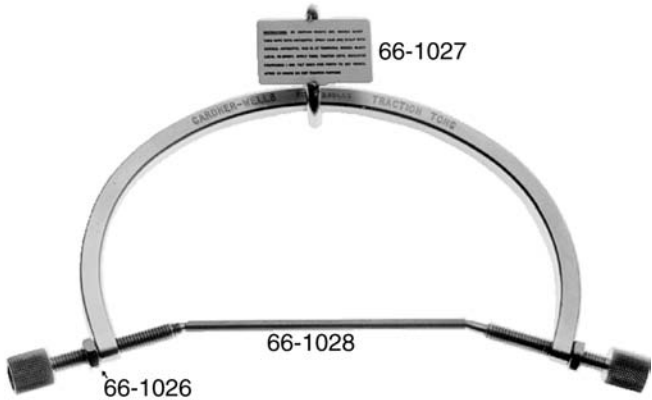
29-1001	FRAZIER Cautery Cord, with plug to fit standard Bovie.
Length	12' (3.66m)



29-1003	FRAZIER Cautery Cord, with plug to fit CSV Bovie.
Length	12' (3.66m)

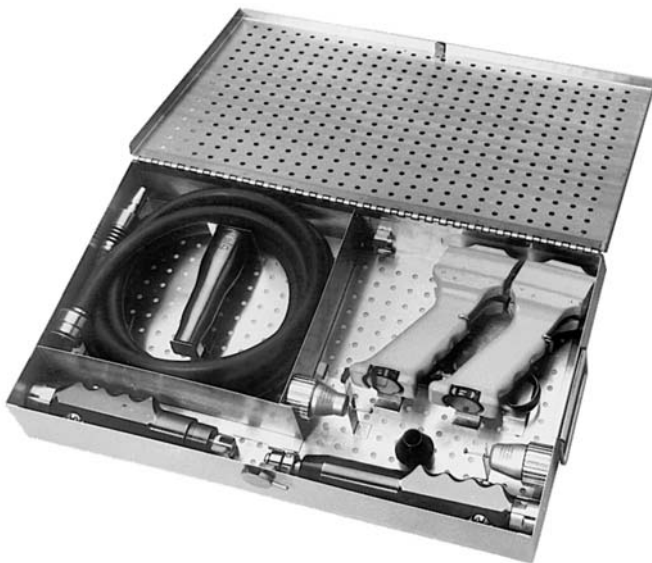


CRANIAL STABILIZATION, SKULL TONGS



66-1025	Codman Skull Tongs with one spring-loaded point for cervical traction.
	Maximum opening 6¼" (159mm)
66-1026	Adjustment nut (sold each).
66-1027	S-Hook
66-1028	Test Bar

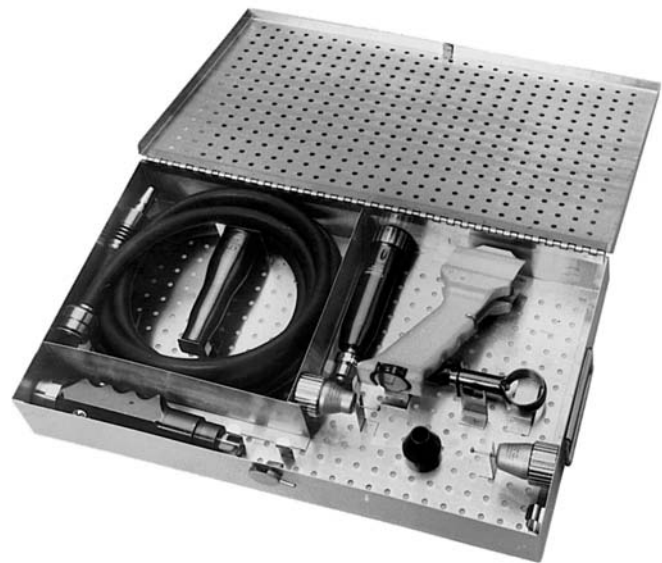
CRANIOTOME AIR DRIVER SET



26-5030	CPS Unitized Air Craniotome Set
	Includes the following:
26-5000	Modular Air Driver, Complete
26-5001	1,000 RPM Unitized, Air Driver, Complete
26-5003	Swiveling Dura Guard
26-5004	Wire Pass Drill Guard
26-5008	Fixed Dura Guard
26-5009	Skull Perforator Guard
26-5012	Stabilizing Handle
26-5007	Air Hose, 10 Feet
26-5015	Sterilizing Case, stainless steel, holds either a Unitized or Modular Air Craniotome Set
	Length 17½" (44cm)
	Width 10" (25cm)
	Depth 2½" (6cm)

CRANIOTOME AIR DRIVER SET

26-5040	CPS Modular Air Craniotome Set Includes the following:
26-5000	Modular Air Driver, Complete
26-5002	1,000 RPM Modular Attachment
26-5003	Swiveling Dura Guard
26-5004	Wire Pass Drill Guard
26-5008	Fixed Dura Guard
26-5012	Stabilizing Handle
26-5007	Air Hose, 10 Feet
26-5015	Sterilizing Case



CRANIOTOME DRIVER, ACCESSORIES

	CODMAN 100,000 RPM Air Drill Burr Guards
26-5021	Medium
26-5022	Long
26-5023	CODMAN, calibrated in centimeters.



26-5021



26-5022



26-5023

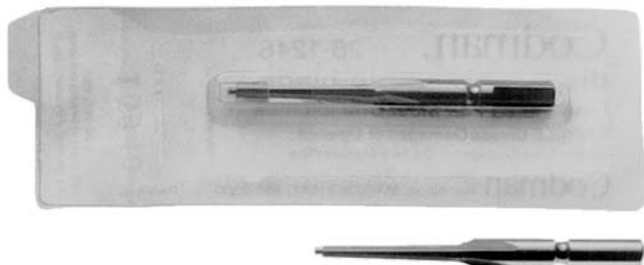
CRANIOTOME DRIVER, ACCESSORIES



26-5024	CODMAN Coaxial Air Hose, 100,000 RPM only.		
	Length	10	(3.0m)



26-5007	CODMAN Coaxial Air Hose, recommended for use with CODMAN Air Powered Equipment.		
	Length	10	(3.0m)



26-1246	CODMAN Cranio-blade. Sterile, disposable, package of five.		

CRANIOTOME DRIVER, ACCESSORIES

- 26-1230** The CODMAN CRANIOTOMY KIT, sterile, disposable.
Consists of one each:
CODMAN Disposable Perforator
CODMAN Cranioblade
CODMAN Wire Pass Drill



- 26-1221** CODMAN Disposable Perforator
Single use, sterile, always sharp, disposable perforator. Designed for use in perforating the cranium.



CRANIOTOME DRIVER, ACCESSORIES



-
- | | |
|----------------|---|
| 26-5010 | CODMAN Dura Guard Compression Ring, white. Five per package. |
| 26-5011 | CODMAN Modular Attachment Compression Ring, blue. Five per package. |
-



-
- | | |
|----------------|--|
| 26-5026 | CODMAN Lubricant. Recommended for use with CODMAN Powered Instrument. Sold one each. |
|----------------|--|
-

CRANIOTOME DRIVER, ACCESSORIES

26-5006 CODMAN Nitrogen Regulator. Recommended for use with CODMAN Air Power System, includes color-coded pressure ranges marked on dial.



26-5003 CODMAN Swiveling Dura Guard, rotates 360°
26-5008 CODMAN Dura Guard, fixed stem.



26-5003

26-5008

26-5012 CODMAN Stabilizing Handle, to be used with 26-5002, 1,000 RPM Modular Attachment.

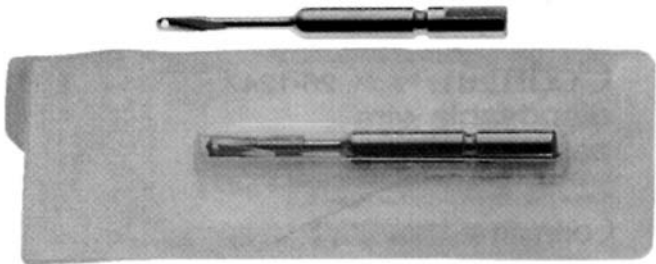


NEUROSURGERY

CRANIOTOME DRIVER, ACCESSORIES



26-5004 CODMAN Wire Pass Drill Guard



26-1247 CODMAN Wire Pass Drill, sterile. Disposable. Five per package.

CRANIOTOME DRIVERS



26-5000 CODMAN Modular Air Driver. Includes pistol grip handle, (26-5007) coaxial air hose and lubricant.

Length	7"	(178mm)
Weight	20 oz.	(567 gm)
No load speed		20,000 rpm
Braking time		Within 1 sec.
Power requirement		100 psi compressed dry nitrogen, nominal

CRANIOTOME DRIVERS

26-5001	CODMAN 1,000 RPM Unitized Air Driver. Includes pistol grip handle (26-5007), coaxial air hose, and lubricant.		
	Length	9"	(229mm)
	Weight	28 oz.	(794gm)
	No load speed	1,000 rpm	
	Power requirement	100 psi compressed dry nitrogen, nominal	



26-5002	CODMAN 1,000 RPM Modular Attachment. Locks onto the Air Driver (26-5000).		
	Length	4"	(102mm)
	Weight	14 oz.	(397 gm)
	No load speed	1,000 rpm	



CURETTES

	BRUNS Curette, hexagonal handle		
	Length	9"	(22.9cm)
	Size	Cup	
32-3400	000	3.2mm	
32-3401	00	3.4mm	
32-3402	0	3.7mm	
32-3403	1	4.7mm	
32-3404	2	5.7mm	
32-3405	3	7.0mm	
32-3406	4	8.4mm	
32-3407	5	8.9mm	
32-3408	6	10.2mm	



CURETTES



BRUNS, Curette, hollow handle			
Length		9"	(22.9cm)
Straight			
32-3470	0000	3mm	
32-3471	000	3.2mm	
32-3742	00	3.4mm	
32-3473	0	3.7mm	
32-3474	1	4.7mm	
32-3475	2	5.7mm	
32-3476	3	7.0mm	
32-3477	4	8.4mm	
32-3478	5	8.9mm	
32-3479	6	10.2mm	



Forward Angle			
32-3480	0000	0.3cm	
32-3481	000	3.3mm	
32-4282	00	3.9mm	
32-4283	0	4.5mm	
32-3484	1	5.3mm	
32-3485	2	6.0mm	
32-3486	3	7.2mm	
32-3487	4	8.2mm	
32-3488	5	9.8mm	
32-3489	6	12.5mm	

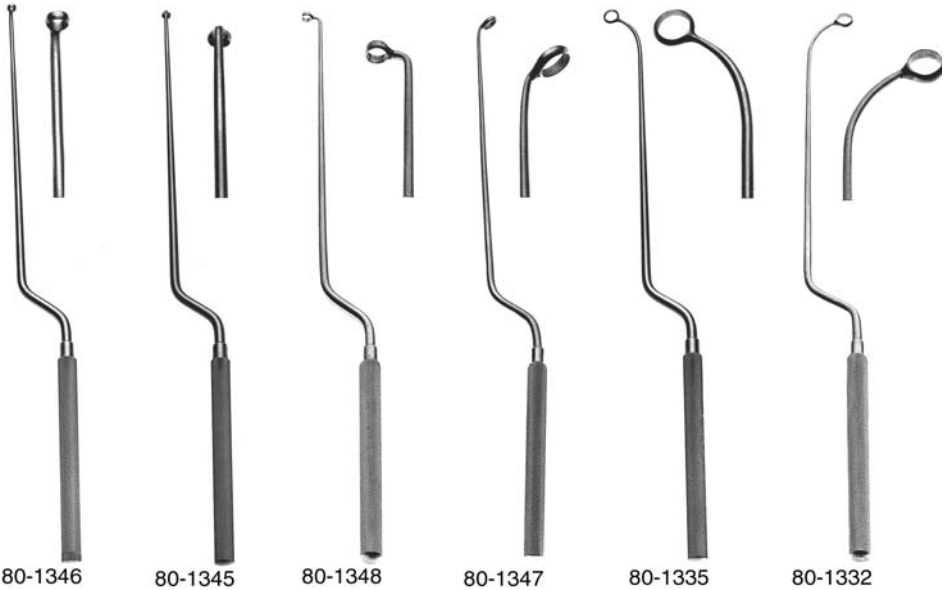


Reverse Angle			
32-3490	0000	3mm	
32-3491	000	3.2mm	
32-3492	00	3.4mm	
32-3493	0	3.7mm	
32-3494	1	4.7mm	
32-3495	2	5.7mm	
32-3496	3	7.0mm	
32-3497	4	8.4mm	
32-3498	5	8.9mm	
32-3499	6	10.2mm	



CASPAR Curette, square handle, reverse angle			
Length		9¾"	(25cm)
32-3410	Tip Size	4mm	
32-3411	Tip Size	5mm	

CURETTES

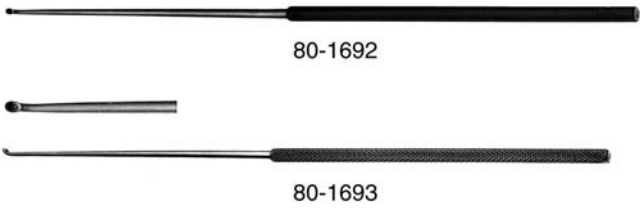


	HARDY Curettes, bayonet.		
	Working distance	4¾"	(120mm)
	Total length	9¼"	(235mm)
	Type	Tip Width	
80-1346	Angled up	3mm	
80-1331	Angled up	5mm	
80-1345	Angled down	3mm	
80-1330	Angled down	5mm	
80-1348	90° Left	3mm	
80-1333	90° Left	5mm	
80-1347	45° Right	3mm	
80-1334	45° Right	5mm	
80-1335	Curved left	5mm	
80-1332	Curved right	5mm	

80-1536	MALIS Curette, bayonet, titanium handle, stainless steel shaft.		
	Working distance	4"	(102mm)
	Tip width		2mm
	Length	8"	(203mm)



CURETTES



RHOTON Curettes, titanium			
80-1692	Length	7½"	(191mm)
	No. 13 straight		
	Tip width		1.6mm
80-1693	No. 14, 25° angle		
	Tip width		1.4mm

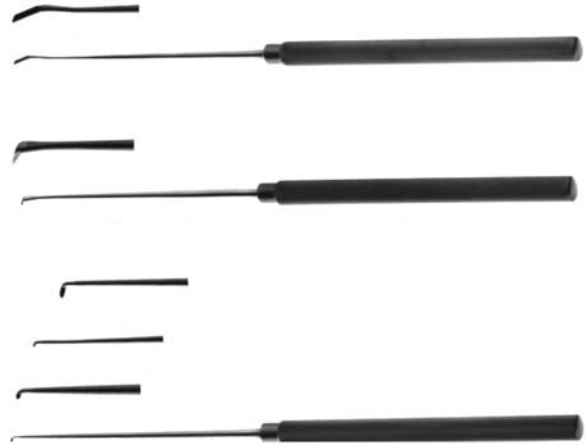
DISSECTORS



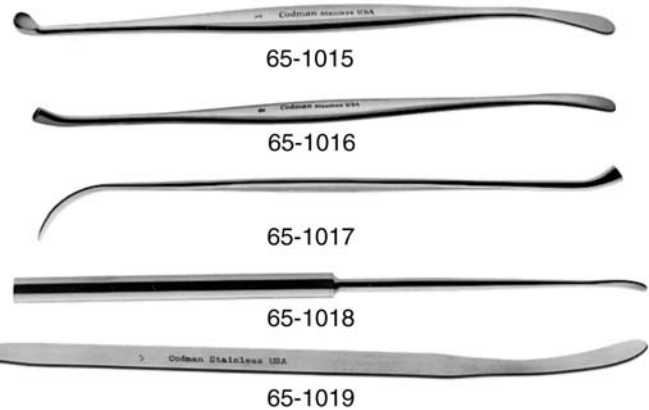
MAGNAFREE™ MRI Penfield Dissectors			
Non-Magnetic dissectors (titanium) for			
Interventional MRI. MRI safe up to 1.5 Tesla.			
65-2402	No. 1	Broad curved dissector, and sharp round spoon, double ended	
		Length	7" (178mm)
65-2403	No. 2	Slightly curved dissector, and wax packer, double ended	
		Length	7¾" (197mm)
65-2404	No. 3	Full curved dissector and wax packer, double ended	
		Length	7¾" (197mm)
65-2405	No. 4	Slightly curved dissector, light	
		Length	8¼" (210mm)
65-2406	No. 5	Slightly curved blunt dissector, double ended	
		Length	11½" (272mm)

DISSECTORS

80-1535	MALIS Dissector, angled, curved edge, semi-sharp, titanium handle, stainless steel shaft.
	Tip width 3.2mm
	Length $7\frac{3}{8}"$ (187mm)
80-1539	MALIS Dissector, angled, sharp on three sides, titanium handle, stainless steel shaft.
	Tip width 1.3mm
	Length $7\frac{3}{8}"$ (187mm)
	MALIS Dissectors, angled, round, titanium handle, stainless steel shaft.
	Length $7\frac{3}{8}"$ (187mm)
80-1540	Tip width 2mm
80-1541	Tip width 1mm
80-1542	Tip width 3.5mm



65-1038	MILLIGAN Dissector, double-ended.
	Length $8\frac{1}{2}"$ (216mm)
	Tip sizes (14mm) (16mm)



	PENFIELD Dissectors
65-1015	Broad curved dissector, and sharp round spoon, double-ended.
	Length 7" (178mm)
65-1016	Slightly curved dissector, and wax packer, double-ended.
	Length $7\frac{3}{4}"$ (197mm)
65-1017	Full curved dissector and wax packer, double-ended.
	Length $7\frac{3}{4}"$ (197mm)
65-1018	Slightly curved dissector, light.
	Length $8\frac{1}{4}"$ (210mm)
65-1019	Slightly curved blunt dissector, double-ended.
	Length $11\frac{1}{2}"$ (272mm)

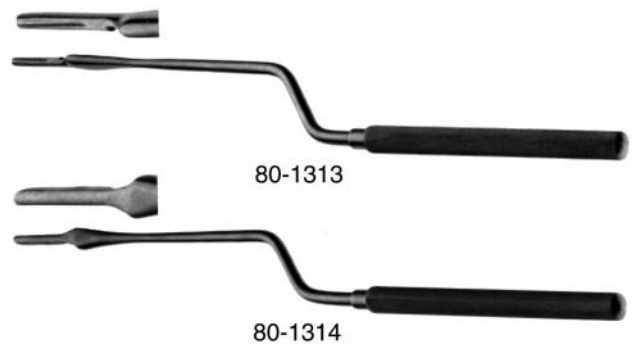
DISSECTORS



80-1660 The RHOTON Micro Dissector Set is designed for use during aneurysm or tumor dissections, and has particular application for acoustic neuromas. Each instrument is made from titanium for purposes of balance, durability, and corrosion resistance. (Replaces 80-1695.)
RHOTON Micro Dissectors and Case

- A. 80-1680** Round Dissector, small, #1, 1.3mm tip
- B. 80-1681** Round Dissector, medium, #2, 2.3mm tip
- C. 80-1682** Round Dissector, large, #3, 3.3mm tip
- D. 80-1683** General Purpose Elevator, small, #4
- E. 80-1684** General Purpose Elevator, large, #5
- F. 80-1685** Spatula Dissector, small, #6, 1.1mm tip
- G. 80-1686** Spatula Dissector, medium, #7, 1.7mm tip
- H. 80-1687** Spatula Dissector, large, #8, 2.1mm tip
- I. 80-1688** Semi-Sharp Hook, 90°, #9
- J. 80-1689** Blunt Hook, 90°, #10
- K. 80-1690** Semi-Sharp Hook, 40°, #11
- L. 80-1691** Straight Point Needle, #12
- M. 80-1692** Micro Curette, small, #13
- N. 80-1693** Micro Curette, large, #14
- O. 80-1661** Sterilizing-Carrying Case
- P. 80-1679** Teardrop Dissector Str., #15
- Q. 80-1696** Teardrop Dissector, 90°, #16, 3mm tip
- R. 80-1697** Teardrop Dissector, 90°, #17, 5mm tip
- S. 80-1698** Teardrop Dissector, 40°, #18, 4mm tip
- T. 80-1699** Teardrop Dissector, 40°, #19, 8mm tip

DISSECTORS, BAYONET



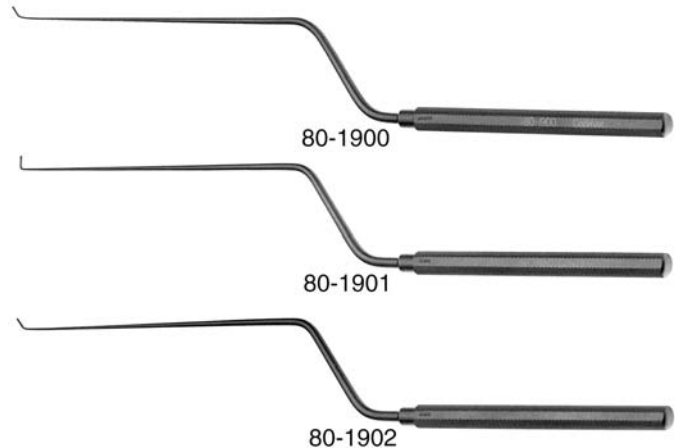
	HARDY Knife Handle, bayonet.	
	Working distance	3½" (90mm)
	Total length	8⅛" (205mm)
80-1313	Vertical	
80-1314	Lateral	



	HARDY Micro Dissector, bayonet.	
	Working distance	4¾" (120mm)
	Length	9¼" (235mm)
	Type	Tip Width
80-1315	Angled up	2.8mm
80-1316	Angled down	2.8mm

DISSECTORS, BAYONET

	SPETZLER Neuro-Vascular Dissectors titanium, bayonet		
	Length	9½"	(241mm)
	Working distance	4"	(100mm)
80-1900	Small Teardrop, angled up 30°		
80-1901	Small Teardrop, angled up 90°		
80-1902	Small Spatula, angled up 30°		



DISSECTORS/SEPARATORS

50-1665	CROCKARD Bayonet Micro-Dissector 10" (250mm) for transoral dissection, footplate designed to dissect tissue and reduce opportunity for dural penetration. Especially useful in definition of apical and alar ligaments and general dissection.		
	Length	10"	(250mm)



DRILLS/BURRS/GUIDES

14-1000	ADSON Drill Guide and Dura Protector, Angled on side with hole in jaw.		
	Jaw length	¾"	(19mm)
	Hole diameter	⅛"	(3mm)
	Total length	6"	(152mm)



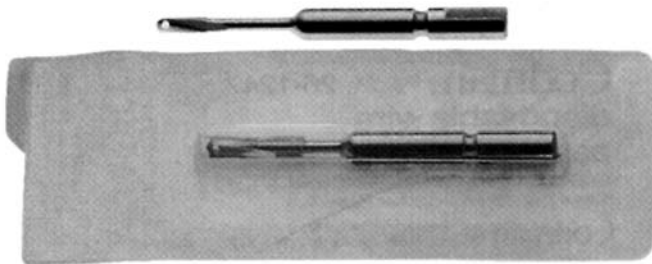
DRILLS/BURRS/GUIDES



26-1080 BUNNEL Hand Drill with Jacobs chuck.
Chuck size $\frac{5}{32}$ " (4mm)



26-1085 CHILDREN'S HOSPITAL Hand Drill, hexagonal handle, supplied with three (26-1086) twist drills.
Handle length $4\frac{1}{8}$ " (105mm)
Twist Drill diameter (4.2mm)



26-1247 CODMAN Wire Pass Drill, sterile. Disposable.
Five per package.



	CUSHING Burrs		
15-1000C	Diameter	$\frac{3}{8}$ "	(10mm)
	Length	$3\frac{1}{2}$ "	(89mm)
15-1001C	Diameter	$\frac{5}{8}$ "	(15mm)
	Length	$3\frac{3}{4}$ "	(95mm)
15-1002C	Diameter	$\frac{3}{4}$ "	(20mm)
	Length	4"	(102mm)

DRILLS/BURRS/GUIDES

CUSHING Perforator Drills			
26-1000	Diameter	$\frac{3}{8}$ "	(9mm)
	Length	4"	(102mm)
26-1001	Diameter	$\frac{1}{2}$ "	(13mm)
	Length	4"	(102mm)
26-1002	Diameter	$\frac{5}{8}$ "	(16mm)
	Length	4"	(102mm)



26-1045	DEPTH Check Drill, supplied with six drills.		
	Length	$2\frac{3}{4}$ "	(70mm)
26-1046	TWIST Drill for 26-1045		
	Diameter	$\frac{1}{16}$ "	(2mm)
	Length	$2\frac{1}{4}$ "	(57mm)



26-1006	D'ERRICO Perforator Drill and Enlarging Burr		
	Diameter	$\frac{5}{8}$ "	(16mm)
	Length	$3\frac{5}{8}$ "	(92mm)



HUDSON Burrs			
15-1005	Diameter	$\frac{3}{8}$ "	(10mm)
	Length	4"	(102mm)
15-1006	Diameter	$\frac{9}{16}$ "	(14mm)
	Length	4"	(102mm)
15-1007	Diameter	$\frac{5}{8}$ "	(16mm)
	Length	4"	(102mm)
15-1008	Diameter	$\frac{7}{8}$ "	(22mm)
	Length	4"	(102mm)



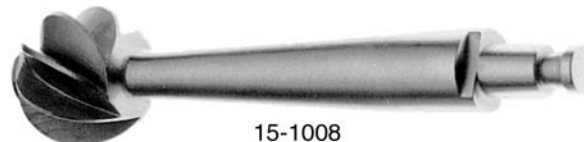
15-1005



15-1006



15-1007



15-1008

DRILLS/BURRS/GUIDES



-
- 26-1075** HUDSON Cranial Drill Set.
Consists of one of each:
15-1005 Burr (9mm)
15-1006 Burr (14mm)
15-1007 Burr (16mm)
15-1008 Burr (22mm)
80-1002 Cerebellar extension
26-1041 Brace
21-1002 Sterilizing case
-



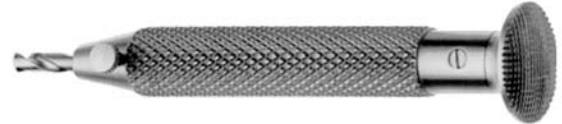
-
- 26-1041** HUDSON Brace, with snap-lock chuck.
Length $9\frac{3}{4}$ " (248mm)
-

DRILLS/BURRS/GUIDES

80-1002 HUDSON Cerebellar Extension
Length 4" (102mm)



26-1088 MATHEWS Hand Drill, with knurled shank and rotating head, supplied with one each size MATHEWS Drill points.
Length of handle 4½" (114mm)
MATHEWS Drill Points



26-1180 Diameter 4mm
Length 1¼" (32mm)
26-1181 Diameter 6mm
Length 1⅞" (48mm)

15-1004 McKENZIE Enlarging Burr
Diameter 1⅛" (17mm)
Length 5" (127mm)



26-1004 McKENZIE Perforator Drill, high-speed steel.
Diameter ½" (13mm)
Length 3¾" (94mm)



26-1008 RANEY Perforator Drill with adjustable depth guard.
Diameter ½" (13mm)
Length 4" (102mm)



26-1086 TWIST DRILL for 26-1085
Diameter ⅝" (4.2mm)
Length 3¼" (83mm)



ELEVATORS



ADSON Periosteal Elevators,		
65-1030	Length	6½" (165mm)
	No. 1 Chisel edge	
65-1031	Blade width	5⁄16" (8mm)
	No. 2 Curved, blunt edge	
65-1032	Blade width	¼" (6mm)
	No. 3 Curved, semi-sharp edge	
65-1033	Blade width	¼" (6mm)
	No. 4 Straight, semi-sharp edge	
	Blade width	5⁄16" (8mm)



65-2549	CARROLL Periosteal Elevator, double-ended.	
	Blade width	⅛" (3mm)
	Blade width	3⁄8" (10mm)
	Length	5½" (140mm)



CODMAN Periosteal Elevators, sharp.		
	Length	8" (203mm)
	Tip width	
65-1056	3⁄16"	(5mm)
65-1057	¼"	(6.4mm)
65-1058	5⁄16"	(8mm)
65-1059	15⁄32"	(12mm)



65-1121	CODMAN Periosteal Elevator, sharp.	
	Blade width	3⁄16" (5mm)
	Length	8" (203mm)

ELEVATORS

65-1047	CUSHING Little Joker Periosteal Elevators		
	Hollow handle		
	Blade width	1/4"	(6mm)
65-1048	Solid handle		
	Blade width	1/4"	(6mm)
	Length	7 1/2"	(191mm)



65-1050	CUSHING Periosteal Elevators, sharp.		
	Narrow		
	Blade width	1/4"	(6mm)
65-1051	Extra narrow		
	Blade width	3/16"	(5mm)
	Length	8 1/8"	(206mm)

65-1092	CUSHING Periosteal Elevator, sharp, narrow, Gutsch handle.		
	Blade width	3/16"	(5mm)
	Length	7 5/8"	(194mm)



65-1075	CUSHING Periosteal Elevators, sharp, wide.		
	Rounded edge		
	Blade width	5/8"	(16mm)
65-1076	Square edge		
	Blade width	5/8"	(16mm)
	Length	7 1/4"	(184mm)

ELEVATORS



65-1045	CUSHING Staphylorrhaphy Elevator		
	Round handle		
	Blade width	$\frac{7}{16}$ "	(11mm)
	Length	$8\frac{1}{2}$ "	(216mm)



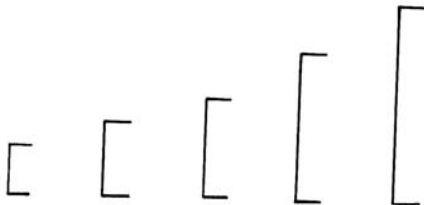
65-1094	CUSHING-HOPKINS Periosteal Elevator, Gutsch handle.		
	Blade width	$\frac{7}{16}$ "	(11mm)
	Length	$7\frac{5}{8}$ "	(194mm)



	HOEN Periosteal Elevators		
65-1001	No. 1 Blade width	$\frac{5}{16}$ "	(8mm)
	Total length	7"	(178mm)
65-1002	No. 2 Blade width	$\frac{5}{8}$ "	(15mm)
	Total length	$7\frac{1}{4}$ "	(184mm)
65-1003	No. 3 Blade width	$\frac{3}{4}$ "	(20mm)
	Total length	$7\frac{1}{2}$ "	(191mm)



65-1080	IOWA UNIVERSITY Periosteal Elevator		
	Blade width	$1\frac{1}{16}$ "	(17mm)
	Length	$7\frac{1}{4}$ "	(184mm)



	KEY Periosteal Elevators		
	Total length	$7\frac{1}{2}$ "	(191mm)
65-2510	Blade width	$\frac{1}{4}$ "	(6mm)
65-2511	Blade width	$\frac{3}{8}$ "	(10mm)
65-2512	Blade width	$\frac{1}{2}$ "	(13mm)
65-2513	Blade width	$\frac{3}{4}$ "	(19mm)
65-2514	Blade width	1"	(25mm)



ELEVATORS

LANGENBECK Periosteal Elevators

65-1115	Narrow		
	Blade width	$\frac{1}{4}"$	(6mm)
65-1116	Wide		
	Blade width	$1\frac{1}{16}"$	(17mm)
	Length	$7\frac{1}{2}"$	(191mm)



LOVE-ADSON Periosteal Elevator, semi-sharp.

Blade width	$\frac{3}{16}"$	(5mm)
Length	$6\frac{1}{2}"$	(165mm)



MAGNAFREE™ MRI Woodson Elevator and Spatula
Non-Magnetic (titanium) for Interventional MRI.
MRI safe up to 1.5 Tesla.

65-2423	MRI Woodson Elevator and Spatula, double-ended, semi-sharp		
	Blade Width	$\frac{1}{8}"$	(3mm)
	Blade Depth	$\frac{1}{2}"$	(13mm)
	Total Length	10"	(254mm)
	Length	$7\frac{1}{2}"$	(191mm)

MALIS Elevators, titanium handles, stainless steel shafts.

80-1537	Straight, curved tip		
	Tip width		3.5mm
80-1538	Length	$7\frac{1}{4}"$	(184mm)
	Bayonet, curved tip		
	Working distance	4"	(102mm)
	Tip width		3.5mm
	Length	8"	(203mm)



80-1537



80-1538

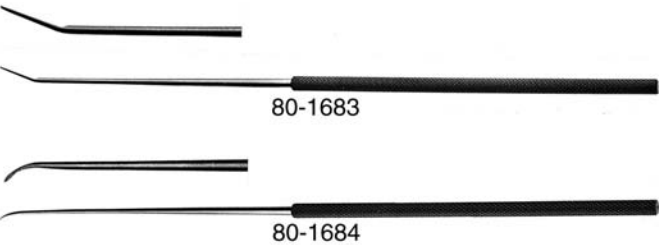
32-3420	MOLT, Periosteal Elevator #9		
	Length	$7\frac{1}{4}"$	(18.5cm)



ELEVATORS



PRESBYTERIAN HOSPITAL Staphylorrhaphy Elevators, double-ended, semi-sharp and sharp blades.			
Blade width		7"	(4mm)
Length			(178mm)
65-1005	Straight		
65-1006	Curved		



RHOTON General Purpose Elevators, straight, blunt, titanium.			
Length		7½"	(191mm)
80-1683	Angular, No. 4		
Tip width			1.2mm
80-1684	Curved, No. 5		
Tip width			2.2mm



65-1008	SUNDAY Staphylorrhaphy Elevator, blunt, slightly curved.		
Blade width		9"	(3mm)
Length			(229mm)



59-1000	WOODSON Elevator and Spatula, double-ended, semi-sharp.		
Blade width		⅛"	(3mm)
Blade depth		½"	(13mm)
Total length		10"	(254mm)

FORCEPS



30-1194	PENFIELD Watchmaker Forceps.		
Tip width		7"	.9mm
Length			(178mm)

FORCEPS, ALLIGATOR

30-4856	DECKER Microsurgical Forceps, alligator action, serrated jaws.		
	Tip width		1.4mm
	Shaft length	6"	(152mm)



30-1230	HOEN Angular Forceps, alligator action, 1x2 teeth.		
	Tip width		2.2mm
	Shaft length	5½"	(140mm)



FORCEPS, APPLYING

20-5117	LeROY Scalp Clip Applying Forceps Adult size for use with 20-1032 or 20-1034 LeROY clips.		
	Length	7¼"	(184mm)
20-5120	Infant size for use with 20-1035 Infant LeROY clips.		
	Length	7¼"	(184mm)

See Clips, Scalp



NEUROSURGERY

FORCEPS, APPLYING



20-5115	RANEY Scalp Clip Applying Forceps, use with 20-1037 or 20-1025 RANEY clips.		
	Length	6¼"	(159mm)

See Clips, Scalp

FORCEPS, BAYONET



80-1736	RHOTON Tumor Forceps, bayonet, titanium, serrated ring.		
	Working distance	3½"	(89mm)
	Tip width		4mm
	Length	8½"	(220mm)
80-1748	RHOTON Tumor Forceps, bayonet, titanium, serrated ring.		
	Working distance	3¾"	(95mm)
	Length	9½"	(240mm)



	SPETZLER Neuro-Vascular Forceps		
	titanium, bayonet		
	Length	9½"	(241mm)
	Working distance	4"	(100mm)
80-1905	Platform Forceps, straight tip		
80-1906	Platform Forceps, 30° angled tip		
		Tip size	.7mm
			.7mm

FORCEPS, BIPOLAR



80-2964	ADSON Non-Stick Mirror Finish Bipolar Forceps, straight.		
	Tip width	1mm	
	Length	4¾"	(120mm)

FORCEPS, BIPOLAR

80-2968	COAPTATION Non-Stick Mirror Finish Bipolar Forceps, straight.		
	Small		
	Tip width		.25mm
	Length	4"	(102mm)



80-2947 80-2948	CODMAN Non-Stick Mirror Finish Trigeminal Bipolar Forceps, bayonet, titanium.		
	Working distance	3½"	(89mm)
	Tip width		.4mm
	Length	7⅝"	(186mm)
	45° Angled up 45° Angled down		



80-2925 80-2920	CUSHING Non-Stick Mirror Finish Bipolar Forceps, straight.		
	Tip width		1.65mm
	Length	7"	(178mm)
	Forceps only Forceps with insulation		



80-2962 80-2963	E-SERIES* Non-Stick Mirror Finish Bipolar Forceps, straight, titanium. Unique tip alignment system.		
	Closing Pressure 75 gms. (approximate)		
	Length	6"	(150mm)
	Fine	Tip width	.3mm
	Regular	Tip width	1mm



80-2924	GERALD Non-Stick Mirror Finish Bipolar Forceps, straight.		
	Tip width		.9mm
	Length	7"	(178mm)



FORCEPS, BIPOLAR



GREENWOOD Non-Stick Mirror Finish Bipolar and Suction Forceps, bayonet.		
Working distance	3¼"	(83mm)
Tip width		1.75mm
Length	7½"	(191mm)
80-2983	Forceps	
80-2984	Forceps with insulation	

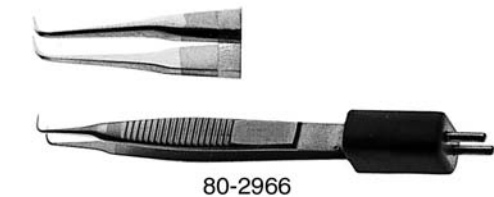


80-2911 HARDY Non-Stick Mirror Finish Bipolar Forceps, bayonet.		
Working distance	4¾"	(121mm)
Tip width		.7mm
Length	8¼"	(210mm)

80-3060 HARDY Non-Stick Mirror Finish Insulated Bipolar Forceps, bayonet.		
Working distance	4¾"	(121mm)
Tip width		.7mm
Length	8¼"	(210mm)



IRIS Non-Stick Mirror Finish Bipolar Forceps, straight.		
Tip width		.6mm
Length	3⅝"	(92mm)
80-2965	Straight	
80-2966	Curved	



80-2926 JEWELERS #5 Non-Stick Mirror Finish Bipolar Forceps, straight.		
Tip width		.35mm
Length	4⅜"	(111mm)



FORCEPS, BIPOLAR

80-2923	MALIS-JENSEN Non-Stick Mirror Finish Bipolar Forceps, bayonet.		
	Working distance	4"	(101mm)
	Tip width		.25mm
	Length	7½"	(191mm)



80-2991	MALIS-JENSEN Non-Stick Mirror Finish Insulated Forceps, bayonet.		
	Tip width		.5mm
	Length	7½"	(191mm)



80-2922	MALIS Non-Stick Mirror Finish Bipolar Forceps, straight.		
	Tip width		.75mm
	Length	5"	(127mm)



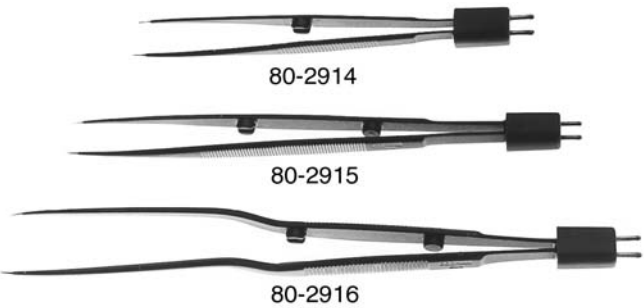
	MALIS Non-Stick Mirror Finish Bipolar Forceps, bayonet.		
	Working distance	3¼"	(83mm)
	Tip width		1.5mm
	Length	7¼"	(197mm)
80-2912	Forceps only		
80-2921	Forceps with insulation		



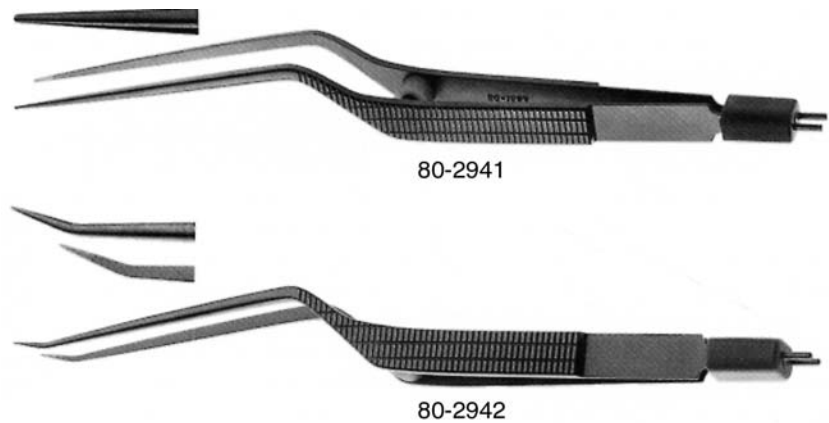
	MALIS Non-Stick Mirror Finish Bipolar Forceps, straight, titanium.		
	Length	6"	(152mm)
80-2940	Fine	Tip width	.4mm
80-2945	Extra fine	Tip width	.25mm



FORCEPS, BIPOLAR



MALIS* Non-Stick Mirror Finish Bipolar Coagulation and Cutting Forceps Specifically designed for use with the MALIS* CMC-III (80-1170, 80-1171). Forceps are insulated stainless steel.			
80-2914	Straight		
	Tip width	.25mm	
80-2915	Straight		
	Length	5½"	(140mm)
80-2916	Bayonet		
	Tip width	.25mm	
80-2916	Length	6¾"	(172mm)
80-2916	Bayonet		
	Tip width	.25mm	
80-2916	Length	7¾"	(197mm)

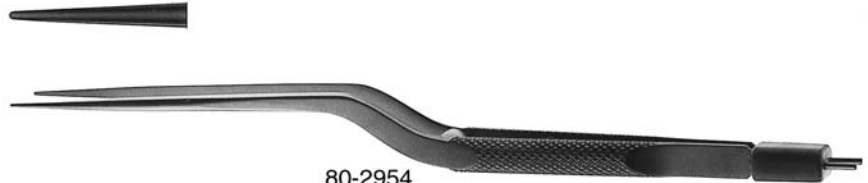


MALIS Non-Stick Mirror Finish Bipolar Forceps, bayonet, titanium.			
Working distance		3"	(76mm)
Length		8¾"	(222mm)
			Tip Width
80-2938	Straight, fine tip		.4mm
80-2939	Straight, regular tip		1.5mm
80-2941	Straight, medium tip		1mm
80-2942	Angled up, fine tip		.4mm
80-2943	Angled down, fine tip		.4mm
80-2944	Curved up, blunt tip		.6mm
80-2946	Straight, extra fine tip		.25mm

FORCEPS, BIPOLAR



80-2951



80-2954



80-2955

RHOTON Non-Stick Mirror Finish Bipolar Forceps, bayonet, titanium			
	Working distance	3½"	(89mm)
	Length	8¼"	(210mm)
80-2951	Fine	Tip width	.45mm
80-2952	Regular	Tip width	1mm
	Working distance	4"	(102mm)
RHOTON Bipolar Forceps, bayonet, titanium.			
	Working distance	3¾"	(95mm)
	Length	8⅞"	(225mm)
80-2956	Fine	Tip width	.5mm
80-2957	Medium	Tip width	.7mm
80-2958	Regular	Tip width	1.0mm
80-2959	Large	Tip width	1.5mm

FORCEPS, BIPOLAR



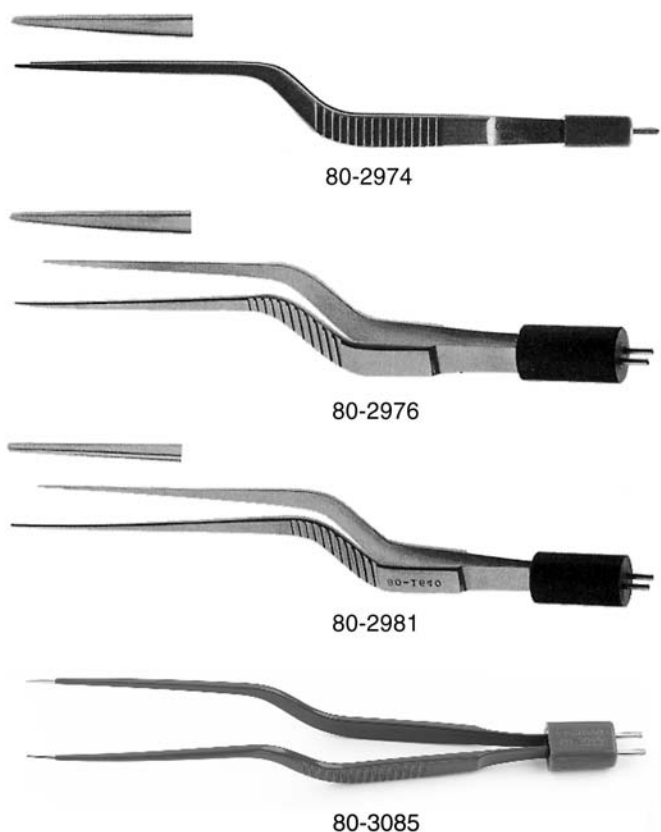
RHOTON Non-Stick Mirror Finish Bipolar Forceps, straight, titanium.			
80-2949	Fine	Length	7 $\frac{1}{8}$ " (180mm)
80-2950	Regular	Tip width	.45mm
		Tip width	1mm



SPETZLER Non-Stick Mirror Finish Neuro-Vascular Bipolar Forceps titanium, bayonet			
80-2960	Bipolar Forceps, straight tip	Length	9 $\frac{7}{8}$ " (251mm)
80-2961	Bipolar Forceps, 30° angled tip	Working distance	4" (100mm)
		Tip size	.9mm
			.9mm



80-2967	STANDARD Non-Stick Mirror Finish Bipolar Forceps, straight.		
	Tip width	.5mm	
	Length	4"	(102mm)



YASARGIL Non-Stick Mirror Finish Bipolar Forceps, bayonet.			
80-2972	Fine	Working distance	2 $\frac{1}{2}$ " (64mm)
80-2973	Medium	Length	6 $\frac{3}{4}$ " (171mm)
80-2974	Regular	Tip width	.5mm
		Tip width	.7mm
		Tip width	1mm
80-2975	Fine	Working distance	3" (76mm)
80-2976	Medium	Length	7" (178mm)
80-2977	Regular	Tip width	.5mm
80-2978	Large	Tip width	.7mm
		Tip width	1mm
		Tip width	1.3mm
		Working distance	4" (102mm)
80-2979	Fine	Length	8" (203mm)
80-2980	Medium	Tip width	.5mm
80-2981	Regular	Tip width	.75mm
80-2982	Large	Tip width	1mm
		Tip width	1.3mm

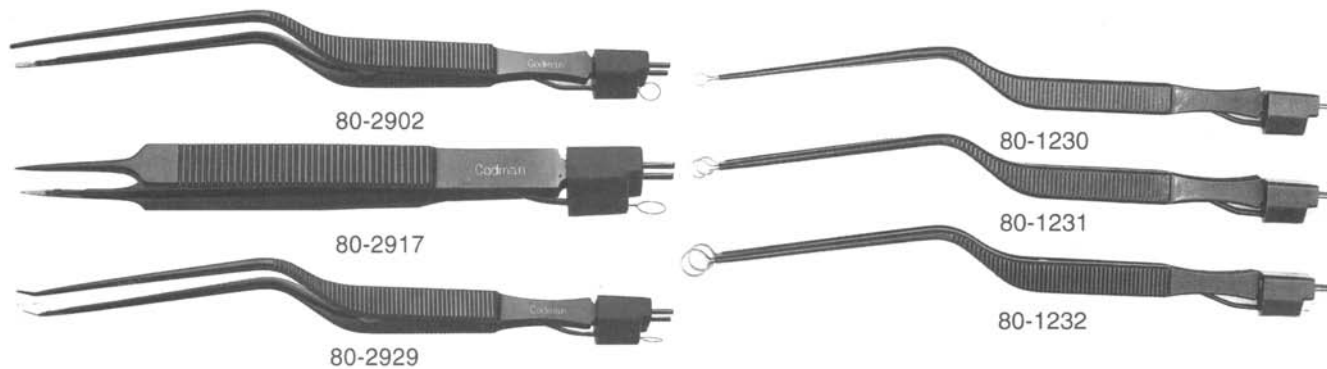
YASARGIL Non-Stick Mirror Finish Insulated Bipolar Forceps, bayonet.			
80-3084	Medium	Working distance	2 $\frac{1}{2}$ " (64mm)
80-3085	Regular	Length	6 $\frac{1}{2}$ " (165mm)
		Tip width	.75mm
		Tip width	1mm
		Working distance	4" (102mm)
80-3086	Large	Length	8" (203mm)
		Tip width	1.3mm

FORCEPS, BIPOLAR, INSULATED

New Codman Non Stick Mirror Finish Bipolar Insulated Forceps

Code #	Description	Style	Length	Alloy	Tip Size	Type
80-2985	Malis	Bayonet	8 ³ / ₄ "	titanium	.25mm	Irrigating
80-2986	Malis	Bayonet	8 ³ / ₄ "	titanium	.5mm	Irrigating
80-2987	Malis	Bayonet	8 ³ / ₄ "	titanium	1mm	Irrigating
80-2988	Malis	Bayonet	8 ³ / ₄ "	titanium	1.5mm	Irrigating
80-2989	Malis	Bayonet	8 ³ / ₄ "	titanium	.5mm	Irrigating
80-2990	Malis	Bayonet	7 ³ / ₄ "	titanium	1.5mm	Non-Irrigating
80-2991	Malis-Jenson	Bayonet	7 ¹ / ₂ "	titanium	.5mm	Non-Irrigating
80-2992	Malis	Bayonet	8 ³ / ₄ "	titanium	.5mm	Non-Irrigating
80-2993	Malis	Bayonet	8 ³ / ₄ "	titanium	1mm	Non-Irrigating
80-2994	Malis	Bayonet	8 ³ / ₄ "	titanium	1.5mm	Non-Irrigating
80-2995	Malis	Straight	6 ¹ / ₈ "	titanium	.4mm fine	Irrigating
80-2996	Malis	Bayonet	10 ³ / ₄ "	titanium	.25mm	Irrigating
80-2997	Malis	Bayonet	10 ³ / ₄ "	titanium	.5mm	Irrigating
80-2998	Malis	Bayonet	10 ³ / ₄ "	titanium	1mm	Irrigating
80-2999	Malis	Bayonet	10 ³ / ₄ "	titanium	1.5mm	Irrigating
80-3050	Malis	Bayonet	8 ³ / ₄ "	titanium	1mm	Irrigating
80-3060	Hardy	Bayonet	8 ¹ / ₄ "	titanium	.7mm	Non-Irrigating
80-3062	Rhoton	Bayonet	8 ¹ / ₄ "	titanium	.25mm	Irrigating
80-3063	Rhoton	Bayonet	8 ¹ / ₄ "	titanium	.5mm	Irrigating
80-3064	Rhoton	Bayonet	8 ¹ / ₄ "	titanium	.7mm	Irrigating
80-3065	Rhoton	Bayonet	8 ¹ / ₄ "	titanium	1mm	Irrigating
80-3070	Rhoton	Bayonet	9"	titanium	.25mm	Irrigating
80-3071	Rhoton	Bayonet	9"	titanium	.5mm	Irrigating
80-3072	Rhoton	Bayonet	9"	titanium	.7mm	Irrigating
80-3073	Rhoton	Bayonet	9"	titanium	1mm	Irrigating
80-3076	Rhoton	Bayonet	7"	titanium	.7mm	Irrigating
80-3077	Rhoton	Bayonet	10 ³ / ₄ "	titanium	.25mm	Irrigating
80-3078	Rhoton	Bayonet	10 ³ / ₄ "	titanium	.5mm	Irrigating
80-3079	Rhoton	Bayonet	10 ³ / ₄ "	titanium	.7mm	Irrigating
80-3080	Rhoton	Bayonet	10 ³ / ₄ "	titanium	1mm	Irrigating
80-3084	Yasargil	Bayonet	6 ¹ / ₂ "	titanium	.75mm	Non-Irrigating
80-3085	Yasargil	Bayonet	6 ¹ / ₂ "	titanium	1mm	Non-Irrigating
80-3086	Yasargil	Bayonet	8"	titanium	1.3mm	Irrigating

FORCEPS, BIPOLAR, IRRIGATING



MALIS Non-Stick Mirror Finish Bipolar Irrigating Forceps, used in conjunction with the Malis Irrigation Module (80-1164)

Code #	Style	Length	Alloy	Tip Configuration	Tip Size
80-1230	Bayonet	8 ³ / ₄ " (22.3cm)	Insulated titanium	Circular Loop	5mm
80-1230	Bayonet	8 ³ / ₄ " (22.3cm)	Insulated titanium	Circular Loop	5mm
80-1231	Bayonet	8 ³ / ₄ " (22.3cm)	Insulated titanium	Circular Loop	7mm
80-1232	Bayonet	8 ³ / ₄ " (22.3cm)	Insulated titanium	Circular Loop	10mm
80-2900	Bayonet	8 ¹ / ₂ " (21.8cm)	Insulated Stainless	Straight	0.75mm
80-2901	Bayonet	7 ³ / ₄ " (19.5cm)	Insulated Stainless	Straight	1.5mm
80-2902	Bayonet	8 ³ / ₄ " (22.3cm)	Insulated Stainless	Straight	0.50mm
80-2903	Bayonet	7 ³ / ₄ " (19.7cm)	Insulated Stainless	Straight	0.25mm
80-2904	Bayonet	8 ³ / ₄ " (22.3cm)	titanium	Straight	1.5mm
80-2905	Bayonet	8 ³ / ₄ " (22.3cm)	titanium	Straight	1.0mm
80-2906	Bayonet	8 ³ / ₄ " (22.3cm)	titanium	Straight	0.25mm
80-2913	Straight	5" (12.7cm)	Insulated Stainless	Straight	0.75mm
80-2917	Straight	5" (12.7cm)	Insulated Stainless	Straight	0.25mm
80-2918	Straight	7" (18cm)	Insulated Stainless	Straight	0.25mm
80-2919	Bayonet	7 ³ / ₄ " (19.7cm)	Insulated Stainless	Straight	0.25mm
80-2929	Bayonet	8 ³ / ₄ " (22.3cm)	titanium	Angle Up	0.50mm
80-2930	Bayonet	8 ³ / ₄ " (22.3cm)	titanium	Angle Down	0.50mm
80-2931	Bayonet	8 ³ / ₄ " (22.3cm)	titanium	90° Blunt Curve Up	0.75mm
80-2932	Bayonet	8 ³ / ₄ " (22.3cm)	titanium	90° Blunt Curve Down	0.75mm

FORCEPS, BIPOLAR, IRRIGATING

The nine patterns of RHOTON Bipolar Irrigating Forceps include two bayonet forceps with four tip sizes each, and one straight forceps. The unique feature of these forceps is that the irrigation pipe is completely recessed into the right blade of the forceps. This offers the surgeon increased visibility at the forceps tips.

The bayonet pattern are offered in two lengths, short (8cm working distance) and long (9cm working distance), which are needed for superficial and deep operations. Each length is offered with four distal tip widths.

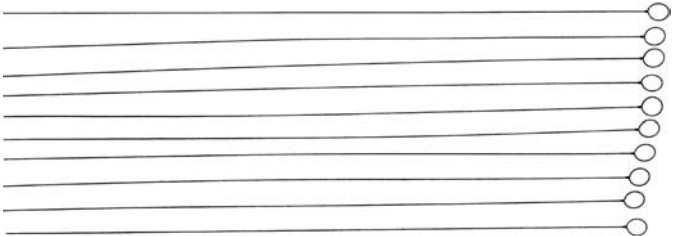
RHOTON Non-Stick Mirror Finish Bipolar Irrigation Forceps, titanium

	Working Distance	3.2"	(8cm)
	Length	8¼"	(21cm)
80-2907	Bayonet	Tip Width	0.25mm
80-2933	Bayonet	Tip Width	0.50mm
80-2908	Bayonet	Tip Width	0.70mm
80-2934	Bayonet	Tip Width	1.00mm
	Working Distance	3.7"	(9.5cm)
	Length	9"	(22.5cm)
80-2909	Bayonet	Tip Width	0.25mm
80-2935	Bayonet	Tip Width	0.50mm
80-2910	Bayonet	Tip Width	0.70mm
80-2936	Bayonet	Tip Width	1.00mm
80-2937	Straight Length	7"	(18cm)
		Tip Width	.7mm



FORCEPS, BIPOLAR, STYLETS

80-1130 Stylets – set of 10/replacements for preventive maintenance and care of the microtube on MALIS & RHOTON Bipolar Irrigation Forceps.



FORCEPS, BRAIN TUMOR



30-1117	BRIGHAM Brain Tumor Forceps		
	Diameter of ring jaw	$\frac{3}{8}$ "	(10mm)
	Length	$7\frac{3}{8}$ "	(187mm)

FORCEPS, CLIP APPLYING, SCALP



	LeROY Scalp Clip Applying Forceps		
20-5117	Adult size for use with 20-1032 or 20-1034 LeROY clips.		
	Length	$7\frac{1}{4}$ "	(184mm)
20-5120	Infant size for use with 20-1035 Infant LeROY clips.		
	Length	$7\frac{1}{4}$ "	(184mm)



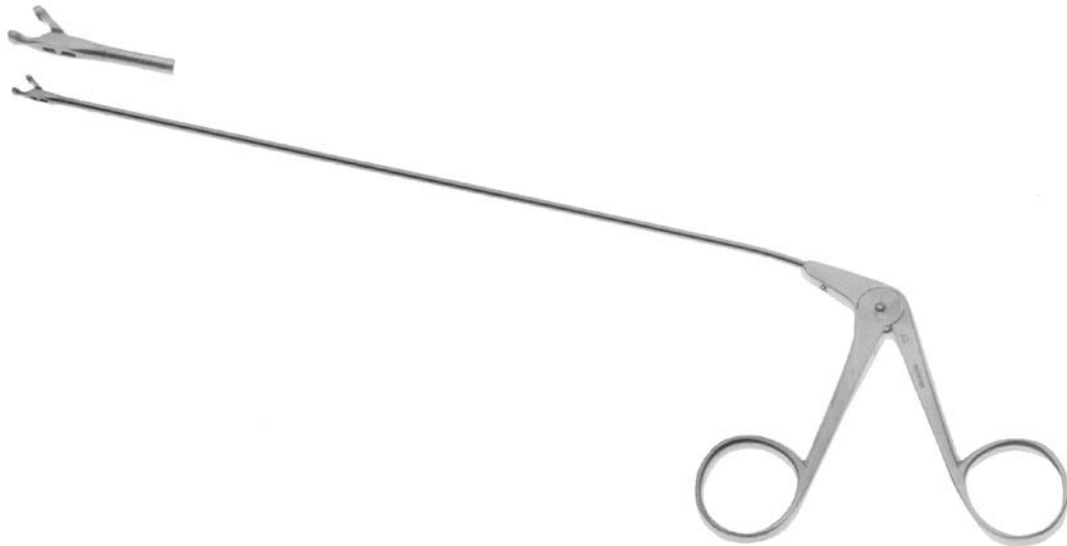
20-5115	RANEY Scalp Clip Applying Forceps, use with 20-1037 or 20-1025 RANEY clips.		
	Length	$6\frac{1}{4}$ "	(159mm)

FORCEPS, CUP

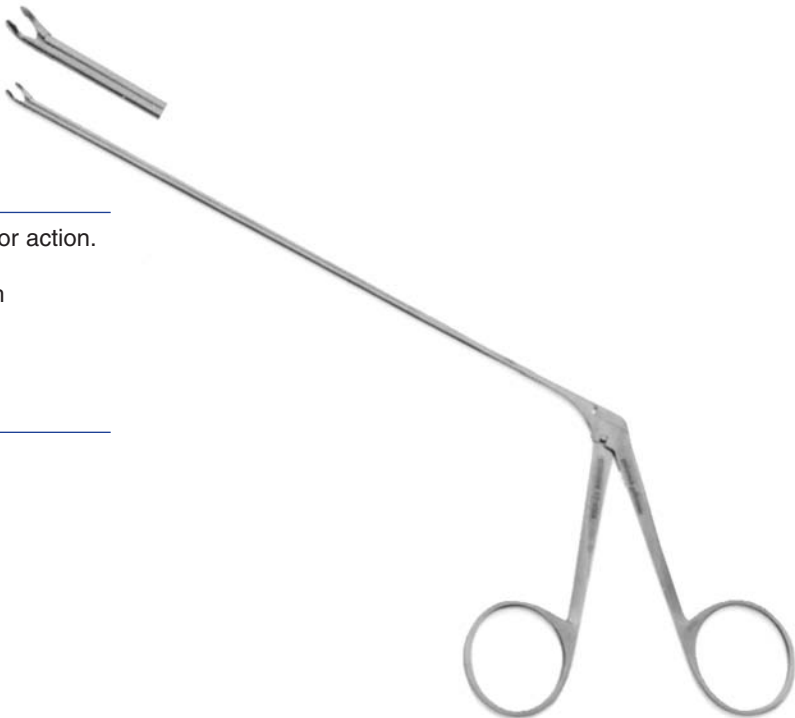


	MALIS* Bayonet Cup Forceps		
	Length	$8\frac{1}{2}$ "	(216mm)
80-1527	Small cup	2.75mm x 2.0mm	
80-1528	Medium cup	3.5mm x 2.75mm	
80-1529	Large cup	4.75mm x 3.50mm	

FORCEPS, CUP



	MICRO CUP Pituitary Forceps, semi-malleable shafts.		
	Length	7 ⁷ / ₈ "	(200mm)
53-4009	Tip width		1mm
53-4010	Tip width		2mm



	RHOTON Micro Cup Forceps, alligator action.		
	Shaft length	6"	(152mm)
	Type		Tip Width
53-4005	Straight		1mm
53-4006	Right		1mm
53-4007	Left		1mm
53-4008	Straight		2mm

NEUROSURGERY

FORCEPS, DISCECTOMY



80-1654	WILLIAMS Discectomy Forceps, single-toothed cup.		
	Bit size		2mm
	Length	5½"	(140mm)

FORCEPS, DRESSING



30-1190	ADSON Dressing Forceps, standard pattern.		
	Tip width		2mm
	Length	7"	(178mm)



30-1191	ADSON Dressing Forceps, bayonet shape.		
	Working distance	3⅝"	(92mm)
	Tip width		2mm
	Length	7½"	191mm



Delicate



Standard



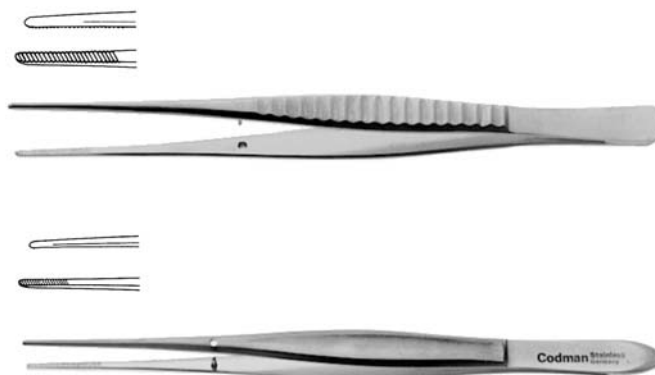
	ADSON Dressing Forceps		
	Length	5"	(127mm)
30-4214	Delicate	Tip width	.8mm
30-1185	Standard	Tip width	1.2mm



30-1181	BRAIN Dressing Forceps, narrow, serrated.		
	Tip width		1mm
	Length	7"	(178mm)

FORCEPS, DRESSING

	CUSHING Dressing Forceps, serrated, dissecting end.		
	Length	7"	(178mm)
30-1150	Serrated handle	Tip width	1.5mm
30-1151	Gutsch handle	Tip width	1.7mm
30-1152	Serrated handle, fine tip	Tip width	1.3mm



30-1154	CUSHING Dressing Forceps, serrated.		
	Tip width	1.8mm	
	Length	7 ³ / ₄ "	(197mm)

Tip width is measured 1mm from the instrument tip.



	CUSHING DRESSING Forceps, serrated, bayonet shape, dissecting end.		
	Length	7 ¹ / ₄ "	(184mm)
30-1155	Working distance	3"	(76mm)
	Tip width	1.8mm	
	Length	7 ³ / ₄ "	(197mm)
30-1156	Working distance	3 ¹ / ₂ "	(89mm)
	Tip width	1.4mm	

30-1203	D'ERRICO Dressing Forceps, serrated, bayonet shape.		
	Working distance	3 ¹ / ₄ "	(83mm)
	Tip width	2.1mm	
	Length	8 ³ / ₄ "	(222mm)



30-1214	GERALD Dressing Forceps, serrated, straight.		
	Tip width	1.1mm	
	Length	7"	(178mm)



FORCEPS, DRESSING



30-1216	GERALD Dressing Forceps, serrated, bayonet shape.		
	Working distance	3½"	(89mm)
	Tip width	1.3mm	
	Length	7½"	(191mm)



30-1205	HARDY Dressing Forceps, bayonet.		
	Working distance	4½"	(114mm)
	Tip width	1mm	
	Length	8¼"	(210mm)



30-1165	HOEN Dressing Forceps, serrated, bayonet shape. Gutsch handle.		
	Working distance	3"	(76mm)
	Tip width	2mm	
	Length	7¾"	(197mm)



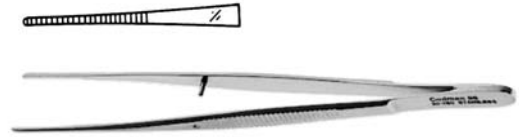
30-6995	JANSEN Dressing Forceps, serrated, bayonet shape.		
	Working distance	3⅛"	(80mm)
	Tip width	2mm	
	Length	6½"	(165mm)
30-1160	JANSEN Dressing Forceps, serrated, bayonet shape.		
	Working distance	4⅜"	(121mm)
	Tip width	1.8mm	
	Length	8½"	(216mm)



80-1732	RHOTON Dressing Forceps, titanium, serrated tips.		
	Tip width	1.8mm	
	Length	7"	(178mm)

FORCEPS, DRESSING

30-1180	SEMKEN Dressing Forceps, serrated.
Tip width	1.3mm
Length	5" (127mm)



FORCEPS, DURAL

80-1731	RHOTON Dural Forceps, titanium, 1x2 teeth.
Tip width	1mm
Length	7" (178mm)



FORCEPS, HEMOSTATIC

30-1230	HOEN Angular Forceps, alligator action, 1x2 teeth.
Tip width	2.2mm
Shaft length	5½" (140mm)



FORCEPS, HYPOPHYSEAL



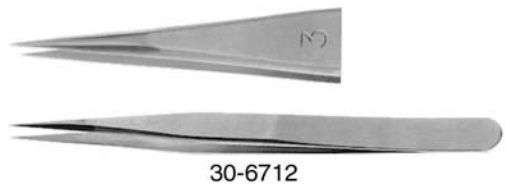
30-1000	ADSON Hypophyseal Forceps, bayonet shape.		
	Cup I.D.	1/4"	(6mm)
	Working distance	4 1/2"	(114mm)
	Total length	9"	(229mm)



30-1204	D'ERRICO Hypophyseal Forceps, bayonet shape.		
	Cup I.D.	1/4"	(6mm)
	Working distance	3 1/2"	(89mm)
	Total length	8 5/8"	(219mm)

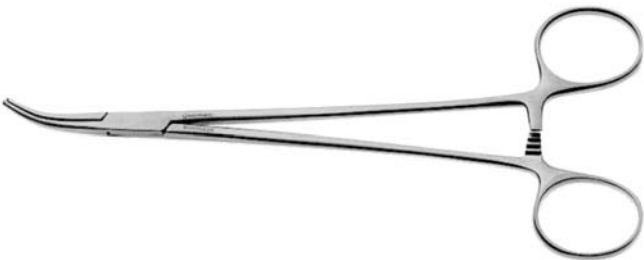
FORCEPS, JEWELERS

JEWELERS Forceps					
30-6712	#3	Length	4 ³ / ₄ "	(121mm)	
30-6713	#3C	Length	4 ⁵ / ₁₆ "	(109mm)	
30-6714	#4	Length	4 ¹ / ₄ "	(108mm)	
30-6715	#5	Length	4 ⁵ / ₁₆ "	(109mm)	
30-6717	#7 Curved	Length	4 ⁵ / ₈ "	(117mm)	



FORCEPS, LIGAMENTA FLAVA

30-1228	LIGAMENTA FLAVA Forceps, curved on side, 1x2 teeth.				
	Length	7 ¹ / ₄ "	(184mm)		



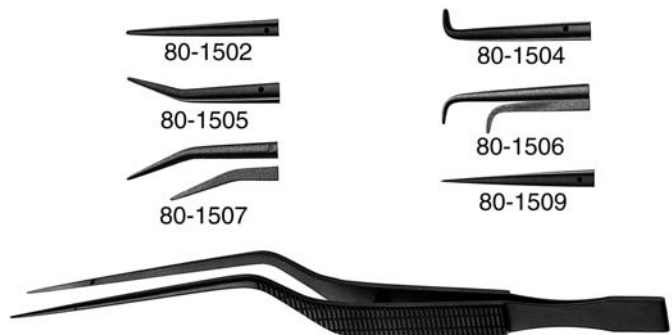
NEUROSURGERY

FORCEPS, MICRO



80-1654	WILLIAMS Dissectomy Forceps, single-toothed cup.		
	Bit size		2mm
	Length	5½"	(140mm)

FORCEPS, MICRO, BAYONET



	MALIS Forceps, bayonet, titanium.		
	Working distance	3¾"	(95mm)
80-1502	Straight, blunt tip		
	Tip width		.75mm
	Length	8¾"	(222mm)
80-1503	Straight, fine tip		
	Tip width		.5mm
	Length	8¾"	(222mm)
80-1504	90° Curved up, blunt tip		
	Tip width		.75mm
	Length	8½"	(216mm)
80-1505	Angled up, fine tip		
	Tip width		.5mm
	Length	8½"	(216mm)
80-1506	90° Curved down, blunt tip		
	Tip width		.75mm
	Length	8½"	(216mm)
80-1507	Angled down, fine tip		
	Tip width		.5mm
	Length	8½"	(216mm)
80-1509	Straight, extra-fine tip		
	Tip width		.25mm
	Length	8¾"	(222mm)



	RHOTON Forceps, bayonet, titanium.		
	Working distance	3½"	(89mm)
	Length	8½"	(216mm)
	Tip Width		
80-1702	Fine tip		
			.5mm
80-1703	Regular tip		
			1mm
80-1749	RHOTON Forceps, bayonet, titanium, serrated tip		
	Working distance	3¾"	(95mm)
	Length	9½"	(240mm)

FORCEPS, MONOPOLAR

30-1257	CUSHING Monopolar Forceps, bayonet, with insulation.			
	Working distance	3"	(76mm)	
	Tip width		1.5mm	
	Length	7¾"	(197mm)	

30-1240	DAVIS Monopolar Forceps, bayonet.			
	Working distance	3¾"	(95mm)	
	Tip width		1.5mm	
	Length	6½"	(165mm)	
30-1243	Forceps with insulation			



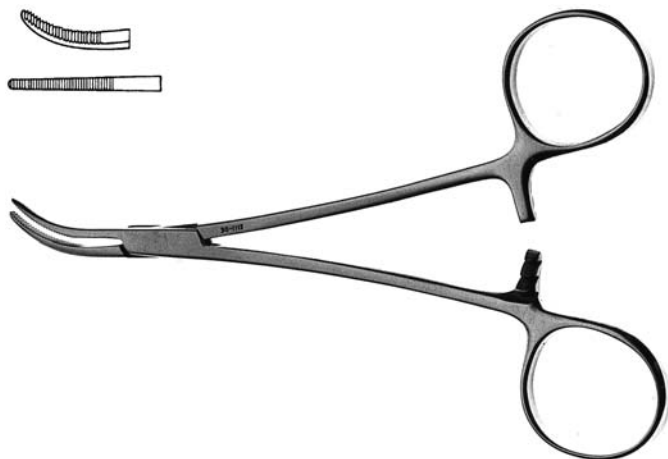
30-1161	JANSEN Monopolar Forceps, bayonet, with insulation.			
	Working distance	3¾"	(95mm)	
	Tip width		1.5mm	
	Length	8¾"	(222mm)	

FORCEPS, SCALP

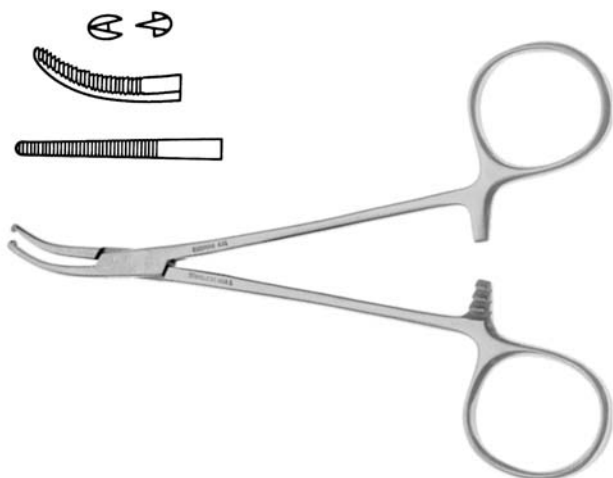
32-4160	DANDY™ Scalp Hemostatic Forceps, curved on side.			
	Length	5½"	(140mm)	
	Bright Finish			
	Serrated			
32-4161	1 x 2 teeth			

NEUROSURGERY

FORCEPS, SCALP



30-1115 HOEN Scalp Hemostatic Forceps, serrated, curved on side.
Length 5³/₈" (137mm)



30-1360 RAIMONDI Infant Scalp Hemostatic Forceps, 1x2 teeth, curved on side.
Length 5" (127mm)

FORCEPS, STRAIGHT



E-SERIES* Forceps, straight, titanium.
Closing Pressure 50 gms. (approximate)
Tip width 1mm
Length 6" (152mm)
80-6001 Ring tip
80-6002 Ring tip, serrated

FORCEPS, STRAIGHT

	E-SERIES* XF Forceps, titanium		
	Length	6" (152mm)	
80-6630	Extra Fine Tying Tip	Tip width	.7mm
	Straight		
80-6631	Extra Fine Utility	Tip width	.3mm
	Straight		



	MALIS Forceps, straight, titanium.		
	Length	6" (152mm)	
80-1500	Blunt	Tip width	.75mm
80-1501	Fine	Tip width	.5mm
80-1508	Extra-fine	Tip width	.25mm



80-2000	MICRO Forceps, straight		
	Tip width	.3mm	
	Length	5½" (140mm)	
80-2009	MICRO Forceps, straight		
	Tip width	.3mm	
	Length	7" (178mm)	
80-2010	MICRO Forceps, straight		
	Tip width	.7mm	
	Length	7" (178mm)	



	RHOTON Forceps, straight, titanium.		
	Length	7" (178mm)	
80-1700	Extra-fine	Tip width	.3mm
80-1701	Fine	Tip width	.7mm



FORCEPS, TENDON

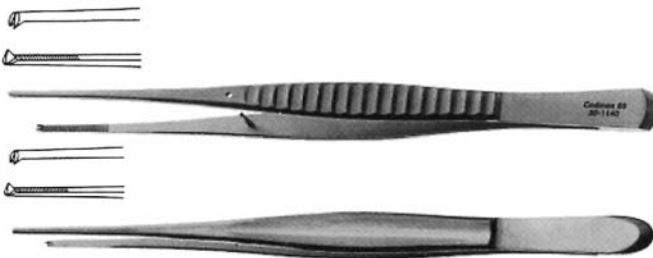


30-2540	CARROLL Tendon Pulling Forceps		
	Shaft length	5"	(127mm)
	Total length	7½"	(191mm)

FORCEPS, TISSUE



30-1172	BRAIN Tissue Forceps, narrow, 1x2 teeth.		
	Tip width		1mm
	Length	7"	(178mm)



30-1140	CUSHING Tissue Forceps, 1x2 teeth, dissecting end.		
	Length	7"	(178mm)
	Serrated handle	Tip width	1.5mm
30-1142	Gutsch handle	Tip width	1.7mm
30-1143	Gutsch handle, fine tip	Tip width	1.3mm



30-1145	CUSHING Tissue Forceps, 1x2 teeth.		
	Tip width		1.6mm
	Length	7¾"	(197mm)

FORCEPS, TISSUE

	CUSHING Tissue Forceps, 1x2 teeth, bayonet shape, dissecting end.		
30-1146	Working distance	3 ³ / ₈ "	(86mm)
	Tip width		1.6mm
30-1147	Length	7 ¹ / ₄ "	(184mm)
	Working distance	3"	(76mm)
	Tip width		1.6mm
	Length	7 ³ / ₄ "	(197mm)

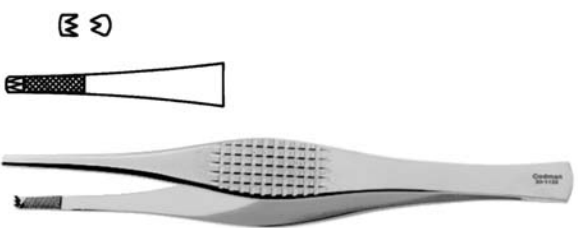


30-1201	D'ERRICO Tissue Forceps, 1x2 teeth, bayonet shape.		
	Working distance	3 ³ / ₈ "	(86mm)
	Tip width		2.4mm
	Length	8 ³ / ₄ "	(222mm)



Tip width is measured 1mm from the instrument tip.

30-1132	FERRIS SMITH Tissue Forceps, 2x3 teeth.		
	Tip width		3.9mm
	Length	6 ³ / ₄ "	(171mm)



30-1210	GERALD Tissue Forceps, 1x2 teeth, straight.		
	Tip width		1.3mm
	Length	7"	(178mm)



30-1213	GERALD Tissue Forceps, 1x2 teeth, bayonet shape.		
	Working distance	3 ¹ / ₂ "	(89mm)
	Tip width		1.3mm
	Length	7 ¹ / ₂ "	(191mm)



FORCEPS, TISSUE



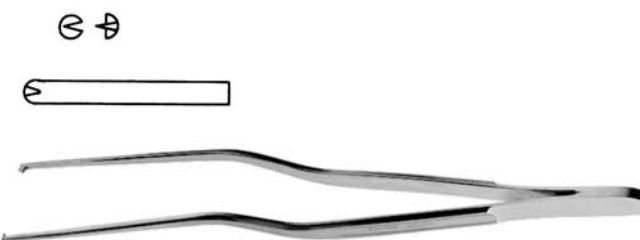
	GERALD Tissue Forcep, tungsten carbide insert		
	Tip width	.1cm	
32-3531	Length	7"	(17.8cm)
32-3532	Length	10"	(25.4cm)



	GERALD Forcep, Delicate Tissue		
	Length	9 1/4"	(23.5cm)
32-3558	1X2 Teeth		
32-3559	Serrated Tip		



32-3530	GERALD DEBAKEY Tissue Forcep		
	Tip width	.1cm	
	Length	7"	(17.8cm)



30-1166	HOEN Tissue Forceps, 1x2 teeth, bayonet shape, Gutsch handle.		
	Working distance	3"	(76mm)
	Tip width		2.1mm
	Length	7 3/4"	(197mm)



30-1170	SEMKEN Tissue Forceps, 1x2 teeth.		
	Tip width	1.3mm	
	Length	5"	(127mm)

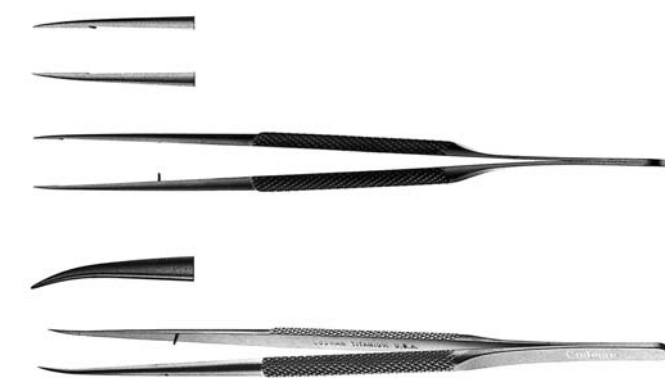
Tip width is measured 1mm from the instrument tip.

FORCEPS, TYING

	MICRO Tying Forceps		
	Tip width		.7mm
	Length	7"	(178mm)
80-2018	Straight		
80-2019	Curved		



	MICROVASC* Tying Forceps, titanium.		
	Length	7"	(178mm)
80-1806	Straight	Tip width	.6mm
80-1807		Tip width	.7mm



HOOKS, DURAL



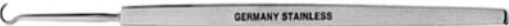
38-1038 CODMAN Dural Hook, sharp.
Length 6½" (165mm)
Tip Diameter (2mm)



38-1045 CORKSCREW Dural Hook, with reversible handle.
Length 6½" (165mm)
Tip diameter (4mm)



38-1028 CUSHING Dural Hook, sharp.
Length 5½" (140mm)
Tip diameter (2mm)



38-1040 FRAZIER Dural Hook, sharp.
Length 5" (127mm)
Tip diameter (.4mm)



38-1042 LAHEY CLINIC Dural Hook, sharp.
Length 5¼" (133mm)
Depth (2.8mm)

HOOKS, NERVE



ADSON Dissecting Hooks, roughened handles.
Hook depth 3/16" (5mm)
Total length 7¾" (197mm)
Tip diameter (.9mm)
38-1060 Sharp
38-1061 Blunt

HOOKS, NERVE



38-1030	CUSHING Gasserian Ganglion Hook, Blunt		
	Hook depth	$\frac{3}{16}$ "	(5mm)
	Total length	9"	(229mm)



38-1080	DANDY Nerve Hook, straight, blunt.		
	Hook depth	$\frac{1}{8}$ "	(3mm)
	Total length	$8\frac{5}{8}$ "	(219mm)
	Tip diameter		(1.5mm)



38-1065	GRAHAM Nerve Hook, blunt.		
	Hook depth	$\frac{1}{8}$ "	(4mm)
	Total length	7"	(178mm)
	Tip diameter		(1mm)



38-1085	HOEN Nerve Hook, with solid triangular handle, straight, blunt.		
	Hook depth	$\frac{1}{4}$ "	(7mm)
	Total length	$8\frac{3}{4}$ "	(222mm)
	Tip diameter		(1mm)

	MALIS Nerve Hooks, titanium handle, stainless steel shaft.		
	Length	$7\frac{1}{4}$ "	(184mm)
80-1531	Ball	Tip width	3mm
80-1532	Blunt	Tip width	2mm
80-1533	Blunt	Tip width	3mm



NEUROSURGERY

HOOKS, NERVE



RHOTON Nerve Hooks, titanium.		
80-1688	length	7½" (191mm)
	No. 9, Semi-sharp, 90°	
80-1689	Tip width	.5mm
	No. 10, Blunt, 90°	
80-1690	Tip width	.8mm
	No. 11, Semi-sharp, 40°	
	Tip width	.7mm



38-1070	SMITHWICK Button Hook, Blunt	
	Length	8" (203mm)



38-1088	SMITHWICK Nerve Hook and Dissector, double-ended, blunt.	
	Length	12" (305mm)
	Hook length	7/16" (11mm)
	Tip diameter	.02mm



38-1025	TRACHEA Hook, sharp.	
	Hook depth	3/16" (5mm)
	Hook length	8" (203mm)



38-1020	WEARY Nerve Hook, black finish, fine, blunt.	
	Hook depth	1/8" (3mm)
	Total length	7¾" (197mm)
	Tip diameter	.9mm

HOOKS, NERVE

	Length	8½"	(21 cm)
46-3171	Micro Nerve Hook		
46-3172	Ultra Micro Nerve Hook		



	Instrument Length	9½"	(24 cm)
	Working distance	4.1"	(10.4 cm)
	Handle width	0.6"	(1.5 cm)
46-2646	XL Cervical Micro Nerve Hook		
46-2647	XL Cervical Ultra Micro Nerve Hook		



HOOKS, SKIN

38-2515	CARROLL Skin Hook, sharp.		
	Length	6"	(152mm)
	Hook size	⅛"	(3mm)



	CONVERSE Skin Hooks, sharp.		
	Length	7¼"	(184mm)
38-6638	Small hook size	⅛"	(3mm)
38-6640	Large hook size	⅙"	(5mm)



38-2520	GILLES Skin Hook, sharp.		
	Length	7⅛"	(181mm)
	Hook size	⅛"	(3mm)

KNIFE



40-1002 CRILE Gasserian Ganglion Knife and Dissector, double-ended.
Length 8½" (216mm)
Tip sizes (6mm)
(16mm)



40-1020

STECHER Arachnoid Knives
Tip width 1.5mm
Length 8" (203mm)
40-1020 Straight
40-1021 Angled left
40-1022 Angled right



40-1021

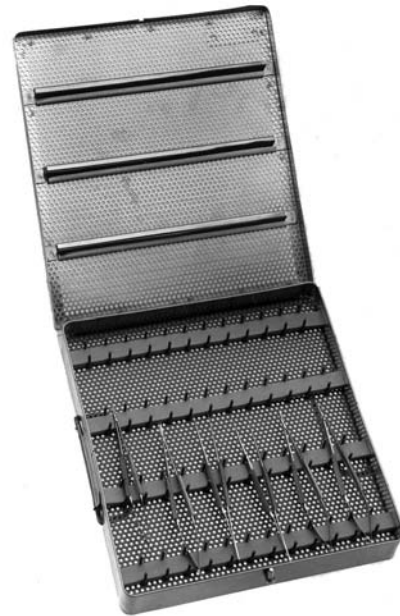


40-1022

MICROSURGICAL INSTRUMENT KIT #1

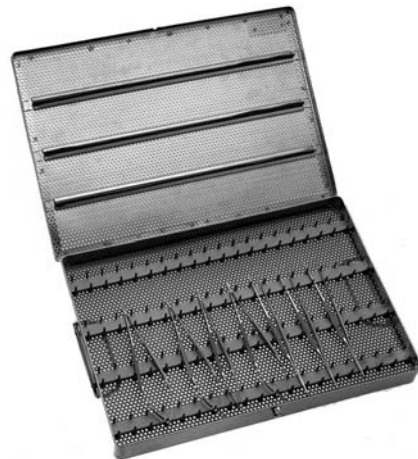
The CODMAN Stainless Steel Microsurgical Instruments are available as a kit. Each kit includes a selection of stainless steel microsurgical instruments and a MICROCARE Instrument case.

- 80-2030** CODMAN Stainless Steel Microsurgical Kit #1.
Length 5½" (140mm)
 - 80-2000** Micro Forceps .3mm tip, two each.
 - 80-2002** Needle Holder, straight .5mm tip.
 - 80-2003** Needle Holder, curved .5mm tip.
 - 80-2005** Micro Scissors, straight.
 - 80-2006** Micro Scissors, curved.
 - 80-1563** MICROCARE Instrument Case, small.
-

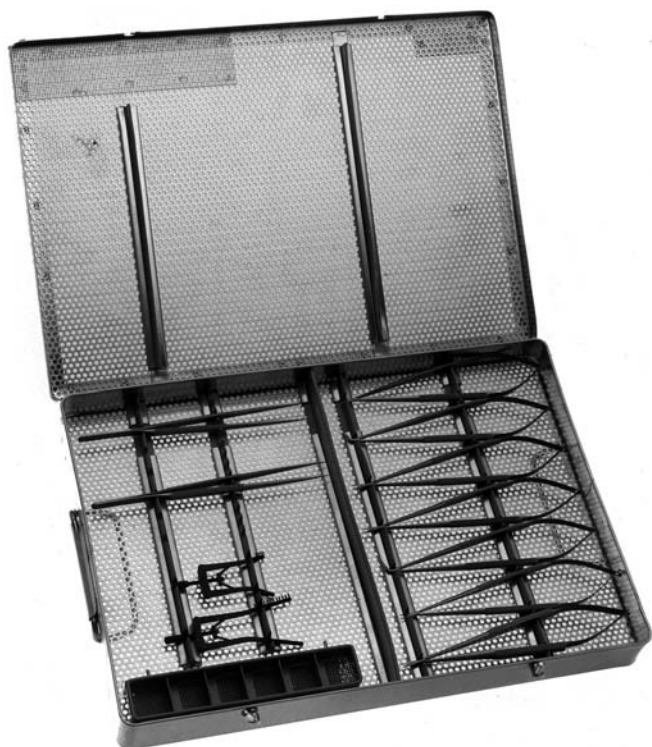


MICROSURGICAL INSTRUMENT KIT #2

- 80-2031** CODMAN Stainless Steel Microsurgical Kit #2.
Length 7" (178mm)
 - 80-2009** Micro Forceps .3mm tip.
 - 80-2010** Micro Forceps .7mm tip.
 - 80-2012** Needle Holder, straight .5mm tip.
 - 80-2013** Needle Holder, curved .5mm tip.
 - 80-2015** Micro Scissors, straight.
 - 80-2016** Micro Scissors, curved.
 - 80-2018** Micro Tying Forceps, straight .7mm tip.
 - 80-2019** Micro Tying Forceps, curved .7mm tip.
 - 80-1562** MICROCARE Instrument Case, large.
-



MICROVASC KIT



- CODMAN's MICROVASC Kit is a coordinated instrument approach to the STA-MCA (Superficial Temporal Anastomosis to the Middle Cerebral Anastomosis). The MICROVASC set of instruments include eight TITANIUM microvascular instruments and two stainless steel specially modified alm wound retractors, all in a MICROCARE stainless steel instrument case.
- 80-1820** MICROVASC STA-MCA Kit, includes: MICROVASC Instruments, TITANIUM.
Length 7" (178mm)
- 80-1800** Needleholder, curved, two each.
80-1801 Scissors, straight.
80-1802 Scissors, curved.
80-1803 Scissors, 60° angled, straight tip.
80-1804 Scissors, 60° angled, curved tip, right.
80-1805 Scissors, 60° angled, curved tip, left.
80-1806 Tying Forceps, straight.
80-1807 Tying Forceps, curved.
Modified Alm Wound Retractors, stainless steel, blackened.
- 80-1812** Retractor, four by four sharp prongs.
80-1813 Retractor, twelve by twelve sharp prongs.
80-1818 MICROCARE Instrument Case.

NEEDLE HOLDERS, BAYONET



- MALIS Needle Holders, bayonet, titanium.
- Working distance 2½" (63mm)
Length 8¾" (222mm)
- | | | | |
|----------------|--------------|-----------|-------|
| 80-1512 | Straight tip | Tip width | 0.6mm |
| 80-1513 | Curved tip | Tip width | 0.6mm |
| 80-1515 | Straight tip | Tip width | 0.4mm |

NEEDLE HOLDERS, BAYONET



	RHOTON Needle Holders, bayonet, titanium.		
	Working distance	3½"	(89mm)
	Tip width		.9mm
	Length	8½"	(216mm)
80-1728	Straight tip		
80-1729	Curved tip		

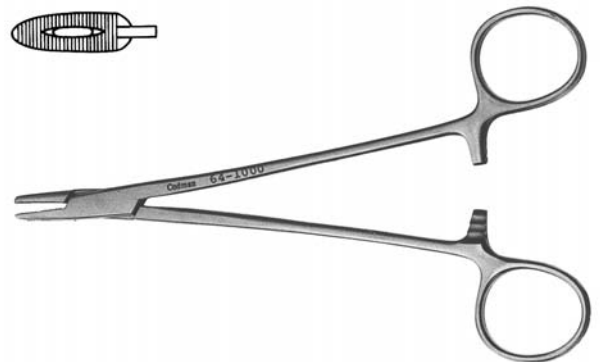
	RHOTON Needle Holders, bayonet, titanium.		
	Working distance	3¾"	(95mm)
	Length	9½"	(240mm)
80-1746	Straight tip		
80-1747	Curved tip		

80-1909	SPETZLER Neuro-Vascular Needle Holder		
	titanium, bayonet, with catch, 75 gram soft		
	tension. Tips coated with tungsten for secure		
	grip.		
	Length	9½"	(241mm)
	Working distance	4"	(100mm)
	Tip	30° curved	



NEEDLE HOLDERS

64-1000	ADSON Dural Needle Holder, fenestrated jaws.		
	Length	7¼"	(181mm)



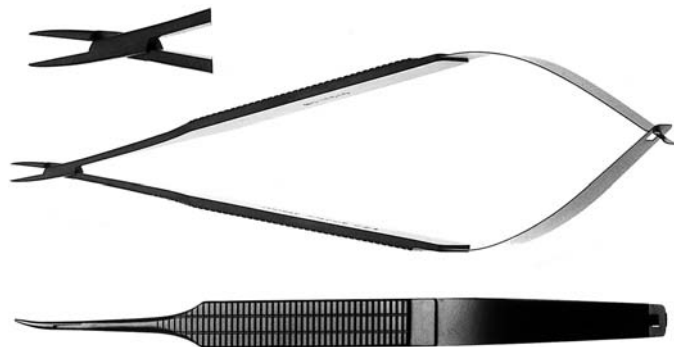
NEEDLE HOLDERS



	E-SERIES* Needle Holders, curved, titanium.		
	Length	6"	(152mm)
80-6006	Fine tip	Tip width	.7mm
80-6007	Standard tip	Tip width	1mm



	E-SERIES* XF Needle Holders, titanium		
	Length	6"	(152mm)
80-6620	Extra Fine Tip	Tip width	.5mm
	Straight		
80-6621	Extra Fine Tip	Tip width	.5mm
	Curved		



	MALIS Needle Holders, titanium.		
	Length	6 ³ / ₄ "	(171mm)
80-1510	Straight tip	Tip width	.5mm
80-1511	Curved tip	Tip width	.5mm
80-1514	Fine, straight tip	Tip width	.5mm



	MICRO Needle Holders		
	Tip width		.5mm
	Length	5 ¹ / ₂ "	(140mm)
80-2002	Straight tip		
80-2003	Curved tip		

NEEDLE HOLDERS

	MICRO Needle Holders		
	Tip width		.5mm
	Length	7"	(178mm)
80-2012	Straight tip		
80-2013	Curved tip		



80-2012



80-2013



80-1800	MICROVASC* Needle Holders, titanium, curved tip.		
	Tip width		.7mm
	Length	7"	(178mm)



	RHOTON Needle Holders, titanium.		
	Length	7"	(178mm)
80-1725	Curved fine	Tip width	.5mm
80-1726	Straight	Tip width	.9mm
80-1727	Curved	Tip width	.9mm



NEEDLES

45-8002	HEPARIN Flushing Needle, 18G.		
	Length	1 $\frac{7}{8}$ "	(48mm)



80-1691	RHOTON #12 Straight Point Needle, semi-sharp, titanium.		
	Tip width		.8mm
	Length	7 $\frac{1}{2}$ "	(191mm)



NEEDLES, NEURO



45-1065 CAMPBELL Ventricular Needle, graduated in centimeters, 3 hole, Luer lock hub, 12G.
Length 4" (102mm)



CONE Biopsy Needles, sharp open end with blunt obturator, Luer lock hub.
Length 3½" (89mm)
45-1022 13G.
45-1024 15G.



CONE Ventricular Needles, 2 hole, Luer lock hub.
Length 3½" (89mm)
45-1010 12G.
45-1011 13G.
45-1012 14G.
45-1013 15G.
45-1014 16G.
45-1015 17G.
45-1016 18G.
45-1017 20G.



45-1085 D'ERRICO Ventricular Needle, graduated in centimeters, one hole, Luer lock hub, 12G.
Length 3¾" (95mm)



45-1052 DANDY Ventricular Needle, graduated in centimeters, 1 hole, 11G.
Length 3⅝" (92mm)

NEEDLES, NEURO



45-1092 FRAZIER Ventricular Needle, graduated in centimeters, three hole, 10G.
Length $3\frac{7}{8}"$ (98mm)

MIXTER Ventricular Needles, two hole, silver.
Length $3\frac{5}{8}"$ (92mm)
45-1060 14G.
45-1061 15G.
45-1062 16G.
45-1063 18G.



45-1068 PACE Ventricular Needle, graduated in centimeters, one hole, Luer lock hub, 12G.
Length $3\frac{5}{8}"$ (92mm)



45-1055 POPPEN Ventricular Needle, two hole, Luer lock hub, 12G.
Length $3\frac{3}{8}"$ (86mm)



45-1050 SCOVILLE Ventricular Needle, graduated in centimeters, two hole, 14G.
Length $3\frac{3}{8}"$ (85mm)

PASSER

80-1530 MALIS Ligature Passer, titanium handles, stainless steel shaft.
Hook size 3mm
Length $7\frac{3}{8}"$ (184mm)



PENS, MARKING



43-1030 CODMAN Surgical Marker, gentian violet dye, regular tip, sterile, disposable, packaged with 6" ruler, 36 per case.



43-1032 CODMAN Surgical Marker, gentian violet dye, sterile, disposable, with 6" ruler, 36 per case. Micro tip

PERCUSSORS/HAMMERS



24-1010 MILLET Neurological Test Instrument, incorporating a C-128 tuning fork.
Length 8 $\frac{1}{8}$ " (206mm)
Includes one each of the following:
MILLET Pinwheel
MILLET Rubber Percussor, large
MILLET Rubber Percussor, small
MILLET Cap for large percussor
MILLET Brush Assembly
MILLET Needle



88-4000 TAYLOR Percussion Hammer
Length 8" (203mm)

PUNCHES



	HARDY Sella Punch		
	Length	7"	(178mm)
80-1344	40° Up	Bite	1mm
80-1340	40° Up	Bite	2mm
80-1341	90° Up	Bite	2mm
80-1342	90° Down	Bite	2mm
80-1343	40° Down	Bite	2mm

RASP

65-8005	ALEXANDER Coastal Periosteotomes, sharp, double-ended.		
	Elevator width	1/2"	(13mm)
	Stripper width	1"	(25mm)
	Length	8 3/8"	(213mm)



	DOYEN Rib Raspatories, sharp.		
	Blade Length	1 1/8"	(30mm)
	Length	7"	(178mm)
52-8000	Left		
52-8001	Right		



NEUROSURGERY

RASP



52-1005	JOSEPH Periosteal Raspatory, sharp.		
	Working distance	1 ⁵ / ₈ "	(41mm)
	Tip width	1/4"	(6mm)
	Length	6 ⁷ / ₈ "	(175mm)



32-3445	MILLER Rasp, Double Ended		
	Length	7 ¹ / ₄ "	(18.4cm)

RETRACTOR



50-1362	CODMAN ADSON Retractor		
	Length	9 ¹ / ₂ "	(240mm)
	Total opening	5"	(120mm)
	Shank angle	65°	
	3 x 3 sharp prongs		

RETRACTOR, BRAIN



50-1060	CUSHING Decompression Retractor, fenestrated blade.		
	Width	1/2"	(13mm)
	Depth	7/8"	(22mm)
	Length	8 ³ / ₈ "	(213mm)

RETRACTOR, BRAIN



50-1460 MALIS Brain Retractor Kit, black anodized, attaches to the MALIS Cerebellar Retractor (50-1465), and includes the following:

- Five Retractor Blades
- | | | |
|--------------|------------------|---------|
| Blade length | 3" | (102mm) |
| Blade width | $\frac{3}{8}$ " | (10mm) |
| Blade width | $\frac{9}{16}$ " | (14mm) |
| Blade width | $\frac{5}{8}$ " | (16mm) |
| Blade width | $\frac{3}{4}$ " | (19mm) |
| Blade width | 1" | (25mm) |

- Three Retractor Extensions
- | | | |
|--------|----|---------|
| Length | 2" | (51mm) |
| Length | 3" | (76mm) |
| Length | 4" | (102mm) |

50-1453 MALIS Hinge Clamp

50-1454 MALIS Double Connectors
MALIS Brain Retractor Kit (50-1460) is supplied with two double connectors.

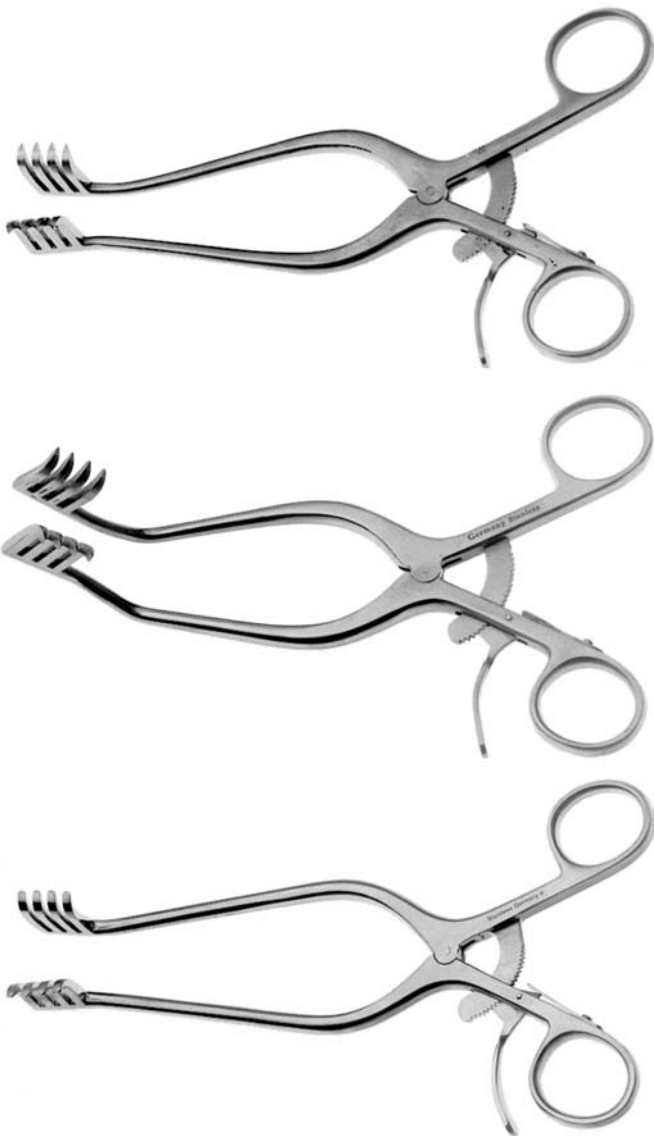


50-1453



50-1454

RETRACTOR, CEREBELLAR



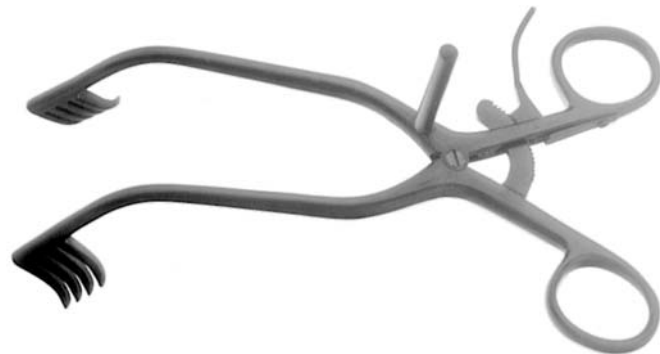
	ADSON Cerebellar Retractors, self-retaining.	
	Total opening	4½" (114mm)
50-1180	4x4 sharp prongs, straight shaft	
	Blade width	5⁄8" (16mm)
	Blade depth	7⁄8" (22mm)
	Length	7½" (191mm)
50-1181	4x4 sharp prongs, angular shaft	
	Blade width	5⁄8" (16mm)
	Blade depth	7⁄8" (22mm)
	Length	7" (178mm)
50-1182	4x4 blunt prongs, straight shaft	
	Blade width	5⁄8" (16mm)
	Blade depth	7⁄8" (22mm)
	Length	7½" (191mm)

RETRACTOR, CEREBELLAR

50-1520	CODMAN Flexible Arm Cerebellar Retractor, self-retaining 4x4 sharp prongs, includes retractor body, flexible arm, two hex posts, and three retractor blades.		
Total opening	4½"	(114mm)	
Length	7"	(178mm)	
Flexible Arm Length	9½"	(241mm)	
Retractor Blades, three.			
One Notched Right Retractor Blade			
One Notched Left Retractor Blade			
One Double Notched Retractor Blade			
Blade width	¾"	(10mm)	
Blade length	4"	(102mm)	



50-1465	MALIS Cerebellar Retractor, self-retaining, 4x4 sharp prongs, angular arms with post for attaching the MALIS Brain Retractor (50-1460), black anodized.		
Total opening	5½"	(140mm)	
Length	7"	(178mm)	
Post height	1½"	(38mm)	
Prong width	5/8"	(16mm)	
Prong depth	7/8"	(22mm)	



RETRACTOR, CEREBELLAR



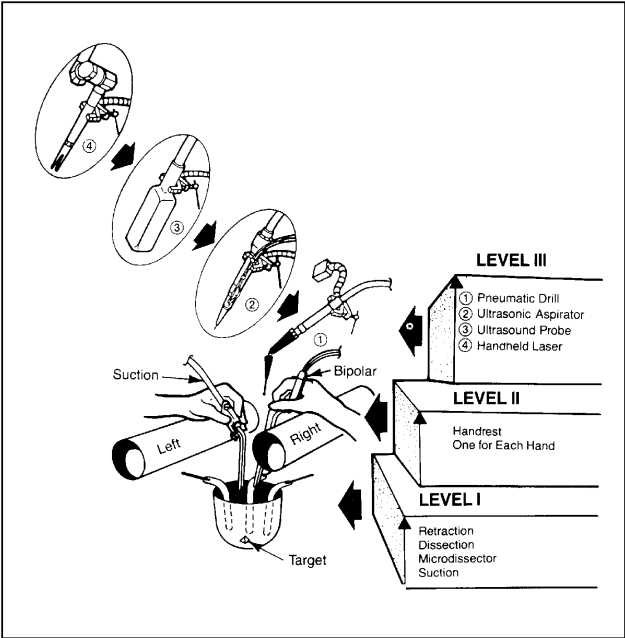
50-1363	MISKIMON Cerebellar Retractor, 7x7 sharp prongs.		
	Total length	7½"	(191mm)
	Blade width	1¼"	(32mm)
	Blade depth	1⅜"	(35mm)

RETRACTOR, GENERAL PURPOSE



50-2608	RAGNELL Retractor, double-ended.		
	Blade width	⅛"	(3mm)
	Blade depth	¼"	(6mm)
	Blade width	¼"	(6mm)
	Blade depth	⅝"	(16mm)
	Length	6"	(152mm)

RETRACTOR, GREENBERG



- CODMAN'S GREENBERG Retractor is a modular, self-retaining neurosurgical/microsurgical retractor system. The GREENBERG system provides the surgeon increased control and support in dissection as well as reliable exposure in multiple planes of retraction. A variety of configurations are possible with a combination of component parts. See your GREENBERG owners manual for a more complete description of the possible retraction levels.
- 50-1500** GREENBERG Universal Retractor and Handrest Kit, includes the following:
GREENBERG Tapered Retractor Blades
Length Blade widths
- 50-1530** 9" (229mm) 1/4" x 3/4" (6mm x 19mm)
50-1531 9" (229mm) 5/32" x 5/8" (4mm x 16mm)
50-1532 9" (229mm) 1/8" x 1/2" (3mm x 13mm)
50-1533 9" (229mm) 3/32" x 3/8" (2mm x 10mm)
50-1534 9" (229mm) 1/16" x 1/4" (1.6mm x 19mm)
Blades mount onto Long Arm (50-1509) or Short Arm (50-1511)
- 50-1507** GREENBERG Primary Bar, attaches to skull clamp.
Length 6" (152mm)
GREENBERG Retractor Kit (50-1500) is supplied with two primary bars.
- 50-1508** GREENBERG Secondary Bar, attaches to primary bar.
Length 12" (305mm)
GREENBERG Retractor Kit (50-1500) is supplied with four secondary bars.

- 50-1509** GREENBERG Long Retractor Arm, attaches to primary or secondary bar.
Length 9 1/2" (241mm)
GREENBERG Retractor Kit (50-1500) is supplied with four long retractor arms.
- 50-1512** GREENBERG Handrest, attaches to short coupler (50-1522) or a secondary bar (50-1508 or 50-1516)
Length 10" (254mm)
- 50-1513** GREENBERG Pattie Tray, attaches to long or short arm (50-1509 or 50-1511)
Width 3" (76mm)
Length 6 3/4" (171mm)
- 50-1514** GREENBERG Universal Retractor Case, with four compartments for various components.
Compartment Dimensions
- | | Compartment #1 | Compartment #2 |
|--------|-----------------|----------------|
| Length | 10 3/8" (264mm) | 17" (432 mm) |
| Width | 7 3/4" (197mm) | 2 1/8" (54mm) |
| | Compartment #3 | Compartment #4 |
| Length | 6 3/4" (171mm) | 6 3/4" (171mm) |
| Width | 4 5/8" (117mm) | 3 1/8" (79mm) |
- Case Dimensions
Length 17" (432mm)
Width 10" (254mm)
Depth 2 3/8" (60mm)

RETRACTOR, GREENBERG



50-1516	GREENBERG Floating Secondary Bar
Length	12" (305mm)

See GREENBERG Instruction Manual for complete assembly instructions. Attaches to Primary Bar (50-1507) or Secondary Bar (50-1508) or Short Coupler (50-1522). Can also be mounted onto a flat metal edge of up to 1/2" thickness. Incorporates a universal joint enabling conical adjustment of angle



50-1512	GREENBERG Handrest, attaches to short coupler (50-1522) or a secondary bar (50-1508 or 50-1516)
Length	10" (254mm)
50-1513	GREENBERG Pattie Tray, attaches to long or short arm (50-1509 or 50-1511)
Width	3" (76mm)
Length	6 3/4" (171mm)

RETRACTOR, GREENBERG

- 50-1515** GREENBERG Maxi-Vise Adapter, attaches to the GREENBERG Flexible Arms (50-1509 and 50-1511). Doubles the holding diameter of the arms (4mm to 8mm). Useful for holding suction devices and other various microsurgical instruments.



- 50-1507** GREENBERG Primary Bar, attaches to skull clamp.

Length 6" (152mm)

GREENBERG Retractor Kit (50-1500) is supplied with two primary bars.

- 50-1508** GREENBERG Secondary Bar, attaches to primary bar.

Length 12" (305mm)

GREENBERG Retractor Kit (50-1500) is supplied with four secondary bars.

- 50-1509** GREENBERG Long Retractor Arm, attaches to primary or secondary bar.

Length 9½" (241mm)

GREENBERG Retractor Kit (50-1500) is supplied with four long retractor arms.



50-1507



50-1508



50-1509

- 50-1511** GREENBERG Short Retractor Arm

Length 6½" (165mm)

Attaches to Primary Bar (50-1507) or Secondary Bar (50-1516).
Mini case holds all sizes of Greenberg Retractor blades.



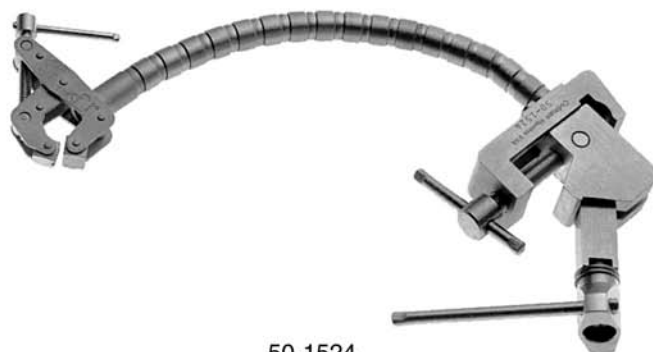
- 50-1522** GREENBERG Short Coupler
Can be used as mount for the GREENBERG Handrest (50-1512), or Large or Small Instrument Holders (50-1524 or 50-1523).



RETRACTOR, GREENBERG



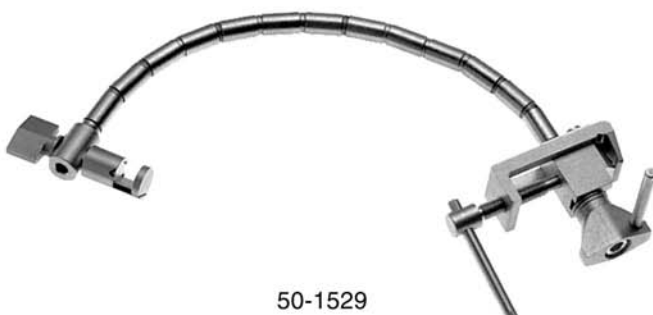
50-1523



50-1524



50-1525



50-1529

-
- 50-1523** GREENBERG Small Instrument Holder is a Flexbar Arm used when greater holding force than that offered by the Microinstrument holder (50-1529) is needed. Holds instruments with shafts up to $\frac{5}{16}$ " in diameter and flat instruments.
- 50-1524** GREENBERG Large Instrument Holder is a Flexbar Arm used to support heavy instruments. The cantilever clamp holds instruments with shafts up to 1" in diameter.
- 50-1525** GREENBERG Universal Retraction System X-LARGE Instrument Holder. Holds instruments up to 2" diameter.
- 50-1529** GREENBERG Microinstrument Holder is a Flexbar Arm used to hold microinstruments used repeatedly within the retracted field. holds instruments with shafts up to $\frac{1}{8}$ " in diameter.
-

RETRACTOR, GREENBERG

GREENBERG Tapered Retractor Blades		
Both ends can be used for retraction. Attaches to Greenberg Long Arm (50-1509) or Greenberg Short Arm (50-1511)		
Blade Length-9" (229mm)		
50-1530	1/4" x 3/4"	(6mm x 19mm)
50-1531	5/32" x 5/8"	(4mm x 16mm)
50-1532	1/8" x 1/2"	(3.2mm x 12.7mm)
50-1533	5/32" x 3/8"	(2.4mm x 9.5mm)
50-1534	1/16" x 1/4"	(1.6mm x 6mm)



50-1514

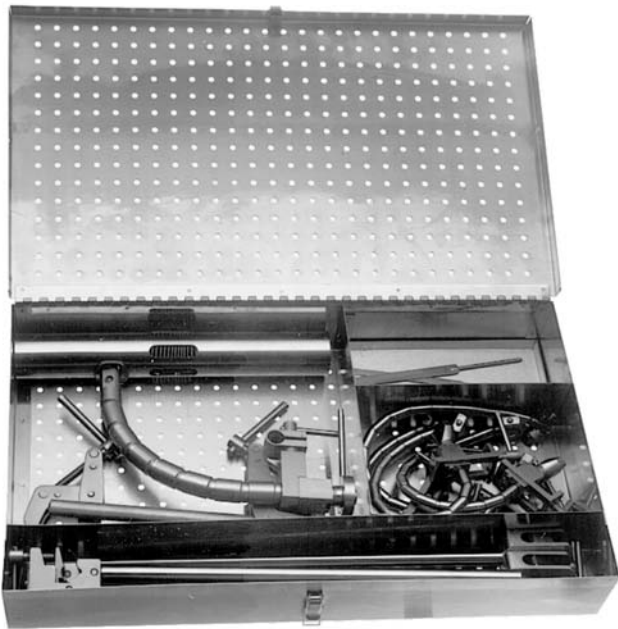
GREENBERG Universal Retractor Case, with four compartments for various components.

Compartment Dimensions

	Compartment #1	Compartment #2
Length	10 ³ / ₈ " (264mm)	17" (432mm)
Width	7 ³ / ₄ " (197mm)	2 ¹ / ₈ " (54mm)
	Compartment #3	Compartment #4
Length	6 ³ / ₄ " (171mm)	6 ³ / ₄ " (171mm)
Width	4 ⁵ / ₈ " (117mm)	3 ¹ / ₈ " (79mm)

Case Dimensions

Length	17"	(432mm)
Width	10"	(254mm)
Depth	2 ³ / ₈ "	(60mm)



RETRACTOR, LAMINECTOMY

CONE Laminectomy Retractors, self-retaining with hinged arms, 3x4 sharp prongs.		
50-1167	Length	6 3/8" (162mm)
50-1168	Length	8" (203mm)



NEUROSURGERY

RETRACTORS, SCALP



50-1186	ANDERSON-ADSON Scalp Retractor, self-retaining with angular arms, 4x4 sharp prongs.		
	Blade width	$\frac{3}{4}$ "	(19mm)
	Blade depth	$\frac{5}{8}$ "	(16mm)
	Total opening	$4\frac{1}{2}$ "	(114mm)
	Length	$7\frac{1}{2}$ "	(191mm)



	CONE Scalp Retractors, self-retaining, with hinged arms.		
50-1166	3x4 blunt prongs		
	Length	$5\frac{3}{4}$ "	(146mm)
50-1167	3x4 sharp prongs		
	Length	$6\frac{3}{8}$ "	(162mm)
	Depth		(18.3mm)
	Width		(18.5mm)
	Opening		(92mm)



50-1220	CONTOUR Scalp Retractor, self-retaining, with blades curved to fit contour of skull, 3x4 blunt prongs.		
	Blade width	$\frac{5}{8}$ "	(16mm)
	Blade depth	$\frac{5}{8}$ "	(16mm)
	Total opening	$2\frac{1}{2}$ "	(64mm)
	Length	$5\frac{1}{2}$ "	(140mm)



50-1227	JANSEN Mastoid Retractor, self-retaining, 3x3 blunt prongs.		
	Prong width	$1\frac{1}{16}$ "	(17mm)
	Prong depth	$\frac{3}{8}$ "	(10mm)
	Total opening	$1\frac{3}{4}$ "	(44mm)
	Length	4"	(102mm)

RETRACTORS, SCALP

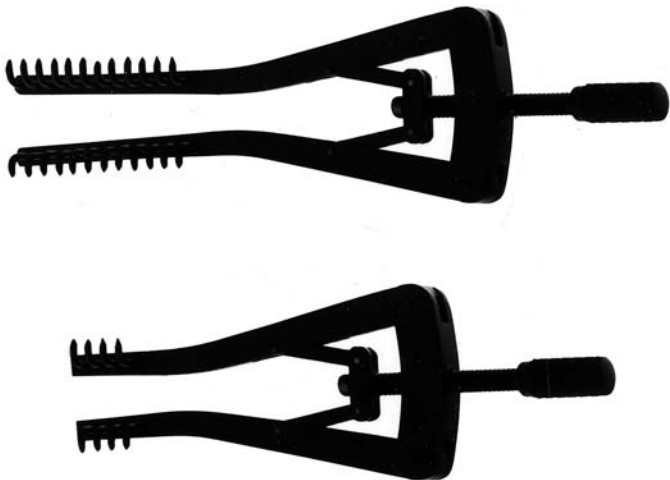
50-1226	JANSEN Scalp Retractor, self-retaining, 4x4 blunt prongs.		
	Blade width	$\frac{3}{4}"$	(19mm)
	Blade depth	$\frac{3}{4}"$	(19mm)
	Total opening	3"	(76mm)
	Length	$4\frac{5}{8}"$	(117mm)



50-1236	SNITMAN Endaural Retractor, self-retaining, 3x3 sharp prongs on solid blade.		
	Prong width	$\frac{9}{16}"$	(14mm)
	Prong depth	$\frac{3}{8}"$	(10mm)
	Total opening	2"	(51mm)
	Length	$4\frac{3}{16}"$	(106mm)



	MICROVASC™ Modified Alm Retractors, black anodized.		
80-1812	4x4 prongs	Length	3" (76mm)
80-1813	12x12 prongs	Length	$3\frac{3}{4}"$ (95mm)



RETRACTOR, TISSUE



50-1223



50-1224

CODMAN Tissue Retractors			
50-1223CO	Length	5¼"	(133mm)
	Total opening	2½"	(64mm)
	3x3 blunt prongs		
	Prong width	½"	(13mm)
50-1224CO	Prong depth	⅝"	(16mm)
	1x1 blunt prongs		
	Prong depth	½"	(13mm)

RETRACTORS, VEIN



50-1022	CODMAN-CUSHING Vein Retractor		
	Blade width	9.5mm	
	Blade depth	6.4mm	
	Length	7¾"	(197mm)



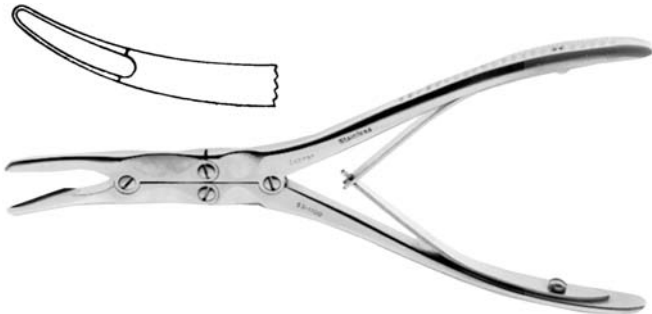
CUSHING Retractor			
	Jaw	Length	
32-3633	1.0cm	11"	(28.0cm)
32-3634	1.1cm	14"	(35.5cm)



50-1020	CUSHING Vein Retractor		
	Blade width	½"	(13mm)
	Blade depth	⅜"	(10mm)
	Length	9"	(229mm)

RONGEURS, BONE, DOUBLE ACTION

53-1100	BEYER Rongeur, curved, double-action.		
	Bite	$\frac{1}{16}$ "	(2.5mm)
	Length	7"	(178mm)



	CODMAN LEKSELL Laminectomy Rongeurs, double-action.		
53-1125	Regular curve, wide jaw		
	Bite		8mm
	Length	9"	(229mm)
53-1126	Full curve, wide jaw		
	Bite		8mm
	Length	9"	(229mm)
53-1127	Regular curve, narrow jaw		
	Bite		5mm
	Length	9"	(229mm)
53-1128	Full curve, narrow jaw		
	Bite		5mm
	Length	9"	(229mm)



8 mm



5 mm

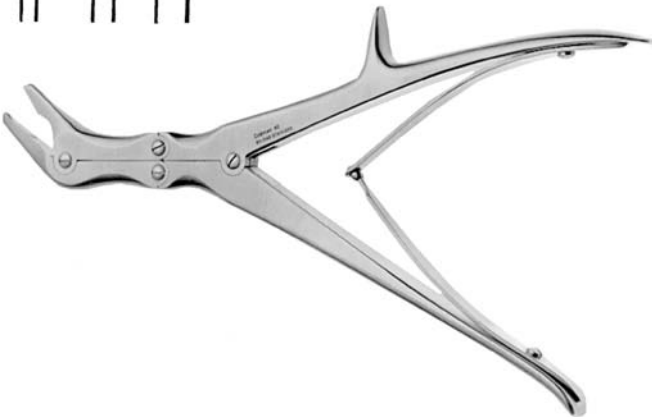


53-1127



53-1128

RONGEURS, BONE, DOUBLE ACTION



ECHLIN Laminectomy Rongeurs, double-action, angular			
53-1045	Length	8 ³ / ₄ "	(222mm)
53-1046	Bite		2mm
53-1047	Bite		3mm
53-1047	Bite		4mm



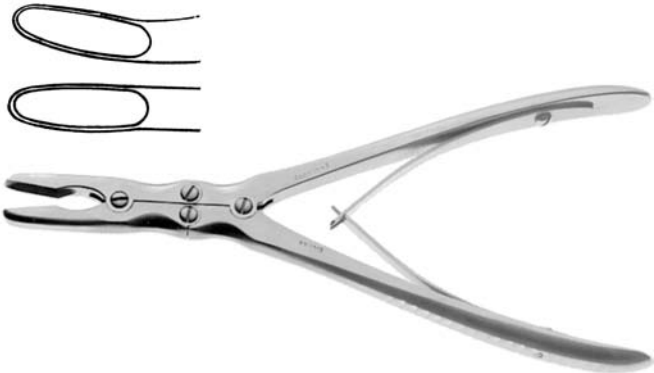
FULTON Laminectomy Rongeurs, cup size 15mm x 16mm narrow blade, double-action.			
53-1060	Length	7 ¹ / ₂ "	(191mm)
53-1061	Straight		
53-1066	Slightly curved		
53-1066	Length	9 ¹ / ₂ "	(241mm)
53-1067	Straight		
53-1067	Slightly curved		



30-1290	RUSKIN Bone Cutting Forceps, double-action.		
	Length	7 ¹ / ₄ "	(184mm)

RONGEURS, BONE, DOUBLE ACTION

	RUSKIN Bone Rongeurs, double-action.		
	Length	7¼"	(184mm)
	Bite		(4mm x 33mm)
53-1310	Straight		
53-1311	Curved		
	Bite		(5mm x 33mm)
53-1312	Straight		
53-1313	Curved		



30-1298	STILLE-HORSLEY Bone Cutting Forceps, double-action, curved shaft, angular jaw.		
	Length	10½"	(267mm)



	STILLE-LISTON Bone Cutting Forceps, double-action.		
	Length	10½"	(267mm)
30-1295	Straight		
30-1296	Curved		

RONGEURS, BONE, DOUBLE ACTION



STILLE-LUER Rongeurs			
	Bite		10mm
53-1130	Length	8½"	(216mm)
53-1131	Straight		
	Curved		
	Bite		5mm
53-1133	Length	9½"	(229mm)
53-1118	Angular		
	Angular, flat lower jaw		



SMITH-PETERSEN Laminectomy Rongeurs, double-action.			
	Bite		(4mm x 15mm)
53-1080	Length	7½"	(191mm)
53-1081	Straight		
	Slightly curved		
	Length	9½"	(241mm)
53-1083	Straight		
53-1084	Slightly curved		
53-1085	Full curve		



53-1095	ZAUFAL-JANSEN Rongeur, double-action, curved.		
	Bite		(4mm x 30mm)
	Length	6¾"	(171mm)

RONGEURS, BONE, SINGLE ACTION

53-1040	ADSON Cranial Rongeur, straight.
Bite	(8mm)
Length	8" (203mm)



53-1035	BACON Cranial Rongeur, angular.
Bite	$\frac{3}{16}$ " (5mm)
Length	$7\frac{3}{4}$ " (197mm)



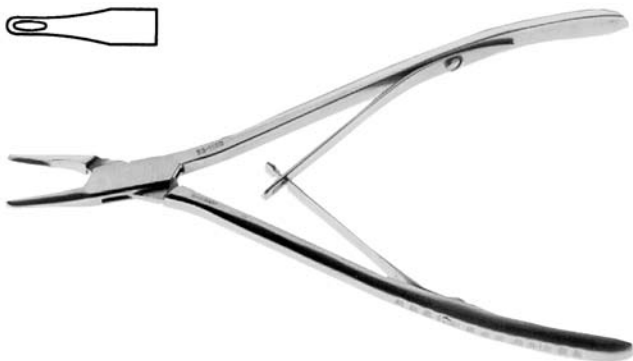
53-1102	BEYER LEMPert Rongeur, curved.
Bite	$\frac{1}{16}$ " (2mm)
Length	$6\frac{1}{8}$ " (156mm)



RONGEURS, BONE, SINGLE ACTION



53-1030	DE VILBISS Cranial Rongeur, with one extra blade.		
	Length	8 ¹ / ₁₆ "	(205mm)



53-1108	LEMPERT Rongeur, straight.		
	Bite	¹ / ₁₆ "	(2mm)
	Length	6 ¹ / ₈ "	(156mm)



30-1310	LISTON Bone Cutting Forceps		
	Length	5 ¹ / ₂ "	(140mm)

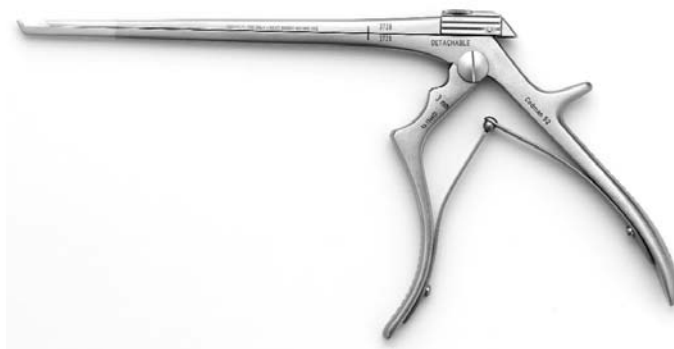
	LUER Bone Rongeurs		
	Bite	1/4"	(6mm)
	Length	7"	(178mm)
53-1010	Straight		
53-1011	Curved		



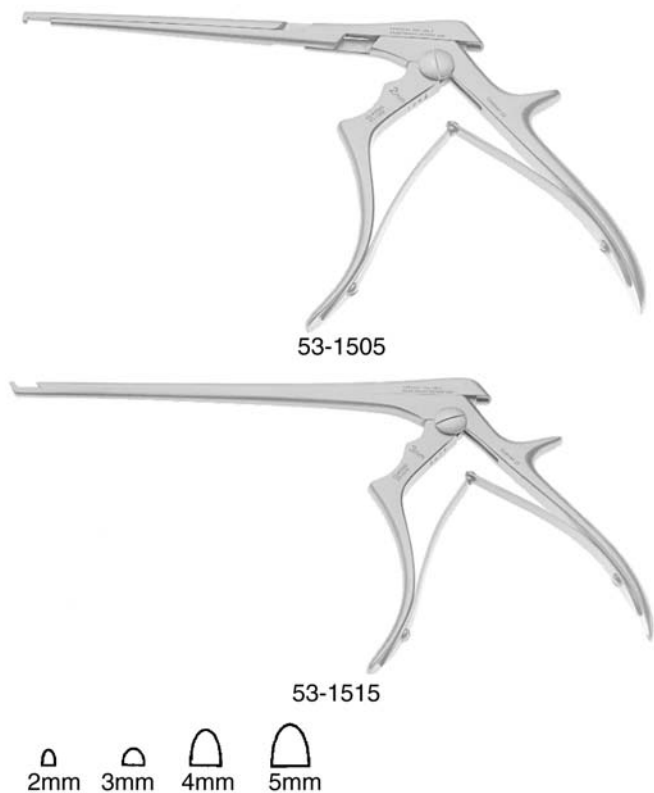
	REINER Bone Rongeurs, curved.		
	Length	7"	(178mm)
53-1015	Bite		(3mm x 13mm)
53-1016	Bite		(4mm x 14mm)



	RAPIDCLEAN™ Detachable Cervical Rongeurs		
	Bite Size	Angle	Length
53-1544CD	3 mm	40° UP	7" (177.8 mm)
53-1545CD	3 mm	90° UP	7" (177.8 mm)
53-1552CD	3 mm	40° UP	9" (228.6 mm)
53-1553CD	3 mm	90° UP	9" (228.6 mm)
53-1560CD	3 mm	40° UP	6" (152 mm)
53-1561CD	3 mm	90° UP	6" (152 mm)
53-1546CD	4 mm	40° UP	7" (177.8 mm)
53-1547CD	4 mm	90° UP	7" (177.8 mm)
53-1554CD	4 mm	40° UP	9" (228.6 mm)
53-1555CD	4 mm	90° UP	9" (228.6 mm)
53-1562CD	4 mm	40° UP	6" (152 mm)
53-1563CD	4 mm	90° UP	6" (152 mm)
53-1540CD	1 mm	40° UP	7" (177.8 mm)
53-1541CD	1 mm	90° UP	7" (177.8 mm)
53-1548CD	1 mm	40° UP	9" (228.6 mm)
53-1549CD	1 mm	90° UP	9" (228.6 mm)
53-1556CD	1 mm	40° UP	6" (152 mm)
53-1557CD	1 mm	90° UP	6" (152 mm)
53-1542CD	2 mm	40° UP	7" (177.8 mm)
53-1543CD	2 mm	90° UP	7" (177.8 mm)
53-1550CD	2 mm	40° UP	9" (228.6 mm)
53-1551CD	2 mm	90° UP	9" (228.6 mm)
53-1558CD	2 mm	40° UP	6" (152 mm)
53-1559CD	2 mm	90° UP	6" (152 mm)



RONGEURS, CERVICAL, KERRISON



CLASSIC Thin Footplate Cervical Kerrison Rongeur
Thin footplate designed to easily fit under the cervical lamina. Gold screw for easy identification of thin footplate. Bite size is identified below gold screw. Hardy style handle with ball spring.

	Bite Size	Angle	Shaft Length
53-1500C	2mm	40° up	6" (152mm)
53-1501	2mm	90° up	6" (152mm)
53-1502	2mm	90° dn	6" (152mm)
53-1503	3mm	40° up	6" (152mm)
53-1504	3mm	90° up	6" (152mm)
53-1505	3mm	90° dn	6" (152mm)
53-1506	4mm	40° up	6" (152mm)
53-1507	4mm	90° up	6" (152mm)
53-1508	4mm	90° dn	6" (152mm)
53-1509	5mm	40° up	6" (152mm)
53-1510	5mm	90° up	6" (152mm)
53-1511	5mm	90° dn	6" (152mm)
53-1512	2mm	40° up	7" (178mm)
53-1513	2mm	90° up	7" (178mm)
53-1514	2mm	90° dn	7" (178mm)
53-1515	3mm	40° up	7" (178mm)
53-1516	3mm	90° up	7" (178mm)
53-1517	3mm	90° dn	7" (178mm)
53-1518	4mm	40° up	7" (178mm)
53-1519	4mm	90° up	7" (178mm)
53-1520	4mm	90° dn	7" (178mm)
53-1521	5mm	40° up	7" (178mm)
53-1522	5mm	90° up	7" (178mm)
53-1523	5mm	90° dn	7" (178mm)
53-1524	2mm	40° up	8" (203mm)
53-1525	2mm	90° up	8" (203mm)
53-1526	2mm	90° dn	8" (203mm)
53-1527	3mm	40° up	8" (203mm)
53-1528	3mm	90° up	8" (203mm)
53-1529	3mm	90° dn	8" (203mm)
53-1530	4mm	40° up	8" (203mm)
53-1531	4mm	90° up	8" (203mm)
53-1532	4mm	90° dn	8" (203mm)
53-1533	5mm	40° up	8" (203mm)
53-1534	5mm	90° up	8" (203mm)
53-1535	5mm	90° dn	8" (203mm)

RONGEURS, CRANIAL

53-1040	ADSON Cranial Rongeur, straight.
Bite	(8mm)
Length	8" (203mm)

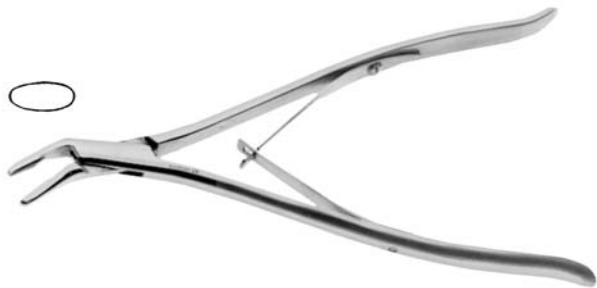


53-1035	BACON Cranial Rongeur, angular.
Bite	$\frac{3}{16}$ " (5mm)
Length	$7\frac{3}{4}$ " (197mm)



53-1030	DE VILBISS Cranial Rongeur, with one extra blade.
Length	$8\frac{1}{16}$ " (205mm)

RONGEURS, CRANIAL



53-1055	STOOKEY Cranial Rongeur, angular.		
	Bite		(3mm)
	Length	7 ³ / ₈ "	(187mm)

RONGEURS, KERRISON



32-3426	SPURLING-KERRISON Rongeur,		
	Up Cut 40°		
	Bite	3mm	
	Length	8"	(20.3cm)

RONGEURS, MICRO



	DECKER Rongeurs, alligator action.		
	Bite		2mm x 6mm
	Length	6"	(152mm)
53-4000	Straight		
53-4002	Curved left		

RONGEURS, RIB

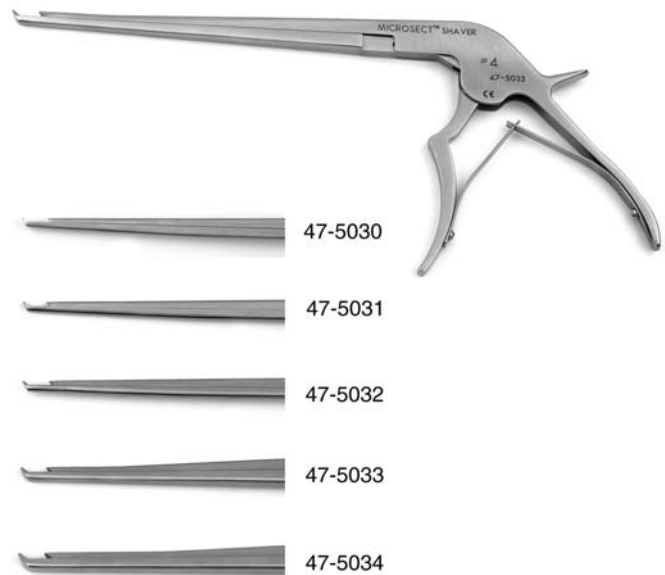


56-8040	DALE First Rib Rongeur, double-action.	
Bite	$\frac{1}{8}$ "	3mm
Length	$14\frac{1}{2}$ "	(368mm)

RONGEURS, SHAVERS

MICROSECT Shavers are uniquely designed rongeurs, which shave bone from the underside of the lamina or facet joint without destroying the natural architecture of either structure. Also, due to the thinness of the footplate, the MICROSECT Shaver allows access to compromised neural areas when exposure is otherwise difficult to obtain.

47-5030	MICROSECT Shaver 1.5mm
	45° Up Bite $8\frac{1}{2}$ " Shaft
47-5031	MICROSECT Shaver 2.0mm
	45° Up Bite $8\frac{1}{2}$ " Shaft
47-5032	MICROSECT Shaver 2.5mm
	45° Up Bite $8\frac{1}{2}$ " Shaft
47-5033	MICROSECT Shaver 3.0mm
	45° Up Bite $8\frac{1}{2}$ " Shaft
47-5034	MICROSECT Shaver 4.0mm
	45° Up Bite $8\frac{1}{2}$ " Shaft



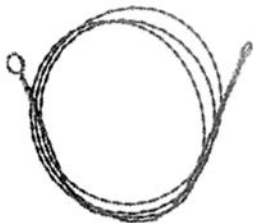
SAWS/HANDLES/GUIDES



	BAILEY Gigli Saw Guides		
	Length	12"	(305mm)
14-1020	Straight		
14-1021	Curved		



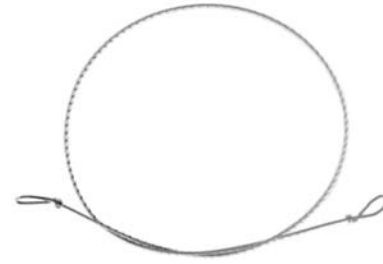
	GIGLI Saw handles, one pair.		
11-1015	Loop	Length	1 ³ / ₄ " (44mm)
11-1016	Solid	Length	2" (51mm)



	GIGLI Twisted Wire Saws, package of ten.		
75-1003	Length	12"	(305mm)
75-1004	Length	20"	(508mm)

SAWS/HANDLES/GUIDES

	OLIVECRONA-GIGLI Wire Saws, STILLE type, package of ten.		
75-1018	Length	12"	(305mm)
75-1019	Length	16"	(406mm)
75-1020	Length	20"	(508mm)



14-1025	POPPEL Gigli Saw Guide		
	Length	11"	(279mm)

	STRULLY Gigli Saw Handles, one pair.			
11-1020C	Loop	Length	3 1/4"	(95mm)
11-1021C	Solid	Length	3 1/2"	(89mm)



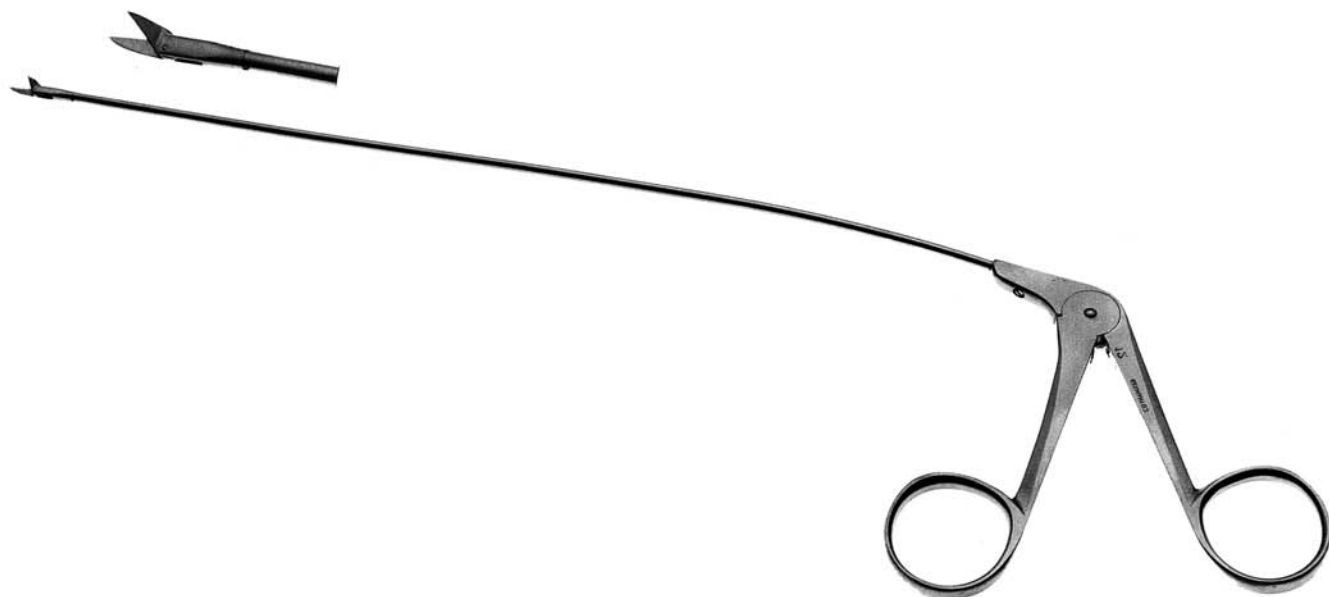
	TYLER-GIGLI Wire Saws, large cut, package of ten.			
75-1012	Length	20"	(508mm)	
75-1013	Length	12"	(305mm)	



SCISSORS, ALLIGATOR



	DECKER Microsurgical Scissors, alligator action.		
	Blade length		5mm
	Length	5½"	(140mm)
54-5604	Straight		
54-5605	Curved left		
54-5606	Curved right		



	MICRO Pituitary Style Scissors, alligator action, semi-malleable shaft.		
	Blade Length		2mm
	Length	7⅞"	(200mm)
54-5607	Straight		
54-5608	Curved left		
54-5609	Curved right		

SCISSORS, ALLIGATOR

54-1091	SWEET Scissors, straight, alligator blades.		
	Blade length	$\frac{3}{8}$ "	(10mm)
	Shaft length	$5\frac{1}{2}$ "	(140mm)

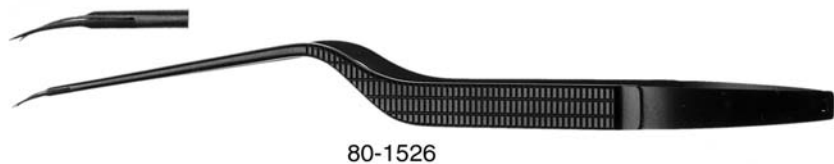
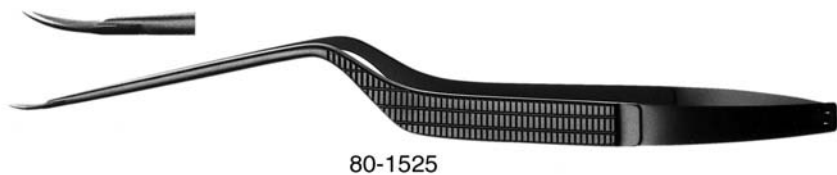
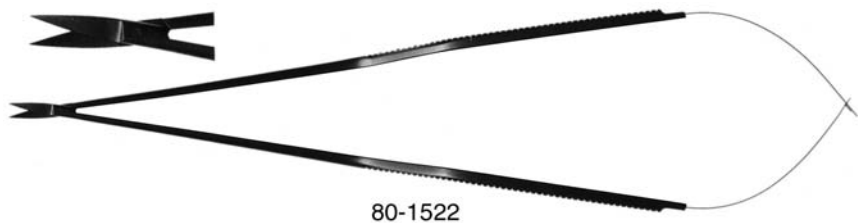


SCISSORS, DURAL



54-1055	FRAZIER Dural Scissors		
	Length	$6\frac{3}{4}$ "	(171mm)

SCISSORS, MICRO, BAYONET



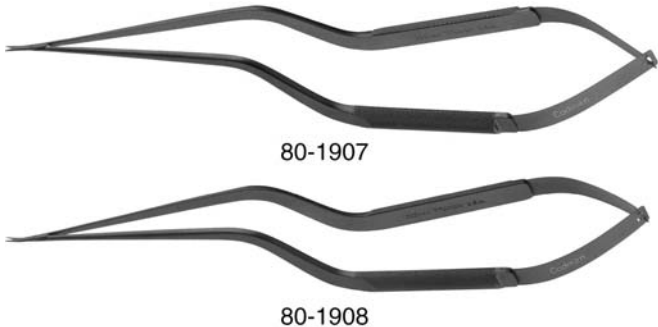
	MALIS Scissors, titanium, bayonet.		
	Working distance	3 ³ / ₄ "	(95mm)
	Length	9 ¹ / ₂ "	(235mm)
80-1522	Straight, regular tip		
80-1524	Straight, fine tip		
80-1523	Curved up, regular tip		
80-1525	Curved up, fine tip		
80-1526	Curved down, regular tip		

SCISSORS, MICRO, BAYONET



	RHOTON Scissors, titanium, bayonet.		
	Working distance	3½"	(89mm)
	Length	8½"	(216mm)
80-1722	Straight tip		
80-1723	Curved tip		
	Working distance	3¾"	(95mm)
	Length	9½"	(240mm)
80-1744	Straight tip		
80-1745	Curved tip		

	SPETZLER Neuro-Vascular Scissors		
	titanium, bayonet		
	Length`	9½"	(241mm)
	Working distance	4"	(100mm)
	Blade length		
80-1907	Staight tip	4mm	
80-1908	30° curved tip	4mm	

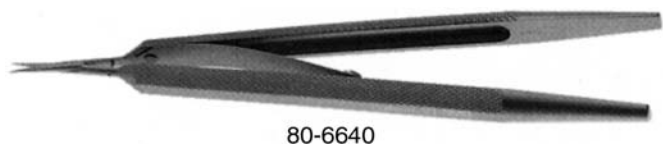


SCISSORS, MICROSURGICAL

	E-SERIES* Scissors, straight, titanium,		
	serrated jaws.		
	Length	6"	(152mm)
80-6008	Fine tip		
80-6009	Regular tip		



SCISSORS, MICROSURGICAL



80-6640

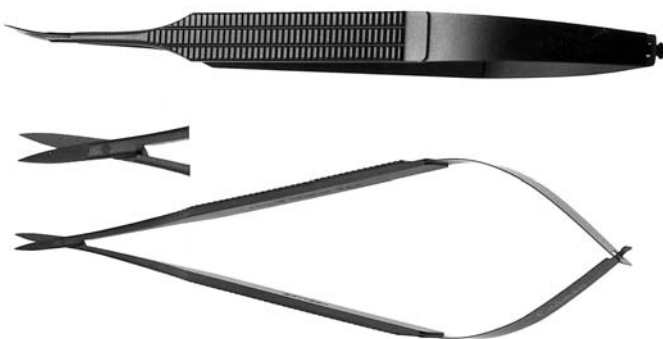


80-6641



80-6642

	E-SERIES* XF Scissors, titanium.		
	Length	6"	(152mm)
80-6640	Extra Fine, Straight		
80-6641	Extra Fine, Curved		
80-6642	Extra Fine, 60° Angled, Straight Blade		



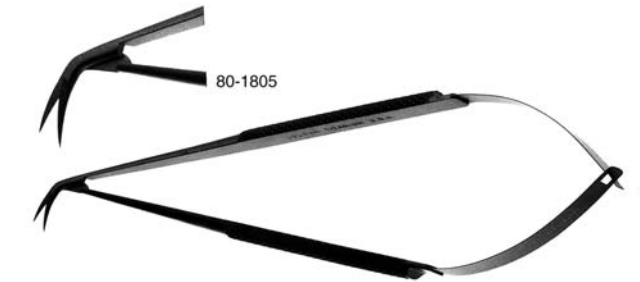
	MALIS Scissors, straight, titanium.		
	Length	6 ³ / ₄ "	(171mm)
80-1520	Fine tip		
80-1521	Curved fine tip		



	MICRO Scissors		
	Length	5 ¹ / ₂ "	(140mm)
80-2005	Straight tip		
80-2006	Curved tip		
	Length	7"	(178mm)
80-2015	Straight tip		
80-2016	Curved tip		

SCISSORS, MICROSURGICAL

	MICROVASC* Scissors, titanium
	Length 7" (178mm)
80-1801	Straight tip
80-1802	Curved tip
80-1803	Straight tip, 60° right
80-1804	Curved tip, 60° right
80-1805	Curved tip, 60 ° left



	RHOTON Scissors, titanium.
	Length 7" (178mm)
80-1720	Straight tip
80-1721	Curved tip



NEUROSURGERY

SCISSORS, NEUROLOGICAL



ADSON Ganglion Scissors, sharp/sharp.
Length 6¹/₄" (159mm)
54-1005 Straight
54-1006 Curved



54-1041 DANDY Trigeminal Scissors, angled shaft, curved sharp tips.
Length 7³/₄" (197mm)



54-1015 MALIS Neurological Scissors, curved, semi-sharp points.
Length 7" (178mm)



54-1010 MIXTER Operating Scissors, straight, blunt/blunt.
Length 6" (152mm)



54-1046 STRULLY Neurological Scissors, curved dissecting tip.
Length 8" (203mm)

SCISSORS, NEUROLOGICAL

54-1050	TAYLOR Dural Scissors
Length	5 ³ / ₄ " (146mm)



SEPARATORS

65-1104	DORSEY Dural Separator, with groove in blade for knife.
Blade width	³ / ₁₆ " (5mm)
Blade length	1 ¹ / ₁₆ " (17mm)
Total length	6" (165mm)



65-1100	FRAZIER Dural Separator, tapered blade width ¹/₁₆" to ¹/₈" (2 to 3mm).
Blade depth	¹ / ₂ " (13mm)
Total length	6 ¹ / ₂ " (165mm)



65-1101	HOEN Dural Separators
90° angle	
Blade width	¹ / ₈ " (3mm)
Blade length	¹ / ₂ " (13mm)
Total length	6" (152mm)
65-1102	45° angle
Blade width	¹ / ₈ " (3mm)
Blade length	¹ / ₂ " (13mm)
Total length	6 ¹ / ₂ " (165mm)



65-1108	SACHS Nerve Separator-Spatula
Length	7 ³ / ₄ " (197mm)



SEPARATORS



65-1135	WOODSON Dural Separator and Packer, double-ended with groove in blade.
Blade width	$\frac{1}{8}$ " (3mm)
Blade length	$\frac{1}{2}$ " (13mm)
Total length	7" (178mm)

SPATULAS/SPOONS AND ELEVATORS, BRAIN



	CUSHING Brain Spatula-Spoons, double-ended.
60-1010	Cup widths $\frac{1}{2}$ " & $\frac{3}{4}$ " (13 & 19mm) Length $6\frac{3}{4}$ " (171mm)
60-1011	Cup widths $\frac{3}{4}$ " & 1" (19 & 25mm) Length $7\frac{3}{4}$ " (197mm)



	DAVIS Brain Spatulas, double-ended, malleable, stainless steel.
	Length 7" (178mm)
59-1080	Width $\frac{1}{4}$ " (6mm)
59-1081	Width $\frac{3}{8}$ " (10mm)
59-1082	Width $\frac{1}{2}$ " (14mm)
59-1083	Width $\frac{5}{8}$ " (16mm)
59-1084	Width $\frac{3}{4}$ " (19mm)
59-1085	Width 1" (25mm)
59-1086	Width $1\frac{1}{4}$ " (32mm)
59-1087	Width $1\frac{1}{2}$ " (38mm)



	SCOVILLE Brain Spatulas, double-ended, malleable.
	Length 8" (203mm)
59-1070	Blade widths $\frac{3}{8}$ " & $\frac{1}{2}$ " (10 & 13mm)
59-1071	Blade widths $\frac{5}{8}$ " & $\frac{3}{4}$ " (16 & 19mm)



59-1000	WOODSON Elevator and Spatula, double-ended, semi-sharp.
Blade width	$\frac{1}{8}$ " (3mm)
Blade depth	$\frac{1}{2}$ " (13mm)
Total length	10" (254mm)

SPATULAS/SPOONS, PITUITARY



	CUSHING Pituitary Spoons, malleable copper, silver plated.		
	Total length	9 $\frac{1}{4}$ "	(235mm)
60-1000	No. 1 Cup		
	Cup width	$\frac{1}{4}$ "	(6mm)
	Cup length	$\frac{3}{8}$ "	(10mm)
60-1001	No. 2 Cup		
	Cup width	$\frac{5}{16}$ "	(8mm)
	Cup length	$\frac{1}{2}$ "	(13mm)
60-1002	No. 3 Cup		
	Cup width	$\frac{5}{16}$ "	(8mm)
	Cup length	$\frac{5}{8}$ "	(16mm)
60-1003	No. 4 Cup		
	Cup width	$\frac{3}{8}$ "	(10mm)
	Cup length	$\frac{5}{8}$ "	(16mm)



80-1336	HARDY Pituitary Spoon, bayonet, malleable.		
	Working distance	4 $\frac{3}{4}$ "	(120mm)
	Length	9 $\frac{1}{4}$ "	(235mm)

SPETZLER NEURO-VASCULAR INSTRUMENT KIT



80-1915	SPETZLER NEURO-VASCULAR Instrument Kit Titanium. Provides coordinated approach for deep neuro-vascular surgery. Slim design, longer working distance. Length 9½" (241mm) Working distance 4" (100mm) Kit includes:
80-1900	Small teardrop dissector, bayonet, angled up 30°
80-1901	Small teardrop dissector, bayonet, angled up 90°
80-1902	Small spatula dissector, bayonet, angled up 30°
80-1905	Bayonet Platform fcp, straight tip .7mm
80-1906	Bayonet Platform fcp, 30° angled tip .7mm
80-1907	Bayonet Scissor, straight tip, 4mm blade length
80-1908	Bayonet Scissor, 30° curved tip, 4mm blade length
80-1909	Bayonet Needleholder, with catch, 30° curved tip, tungsten coated
80-1910	Micro Vari-angle temporary clip applier, 30° angled up
80-1914	Microcare Universal Bayonet Instrument Case

SPONGES

- 81-1000** PEANUT SECTO™ Dissectors, sterile, X-ray detectable, diameter $\frac{3}{8}$ " (9.5mm). 96 packages of 5 each, 4 dispenser boxes to case.
- 81-1001** KITTNER SECTO™ Dissectors, sterile, X-ray detectable, diameter $\frac{5}{16}$ " (7.9mm). Length $\frac{5}{8}$ " (16mm). 96 packages of 5 each, 4 dispenser boxes to case.
- 81-1002** CHERRY SECTO™ Dissectors, sterile, X-ray detectable, diameter $\frac{3}{8}$ " (9.5mm). 96 packages of 5 each, 4 dispenser boxes to case.
- 81-1006** TRIANGLE SECTO™ Dissectors, sterile, X-ray detectable, diameter $\frac{1}{2}$ " (13mm). 96 packages of 5 each, 4 dispenser boxes to case.



81-1000 81-1001 81-1002 81-1006

SPONGES/PATTIES

- CODMAN Surgical Patties, sterile, X-ray detectable, 10 patties per package, 20 packages per dispenser box.**
- | | | |
|----------------|------------------------------------|-----------------|
| 80-1396 | $\frac{5}{16}$ " Round | .79cm |
| 80-1397 | $\frac{1}{4}$ " x $1\frac{1}{2}$ " | .64cm x 3.81cm |
| 80-1398 | $\frac{1}{4}$ " x 3" | .64cm x 3.81cm |
| 80-1399 | $\frac{1}{4}$ " x $\frac{1}{4}$ " | .64cm x .64cm |
| 80-1400 | $\frac{1}{2}$ " x $\frac{1}{2}$ " | 1.27cm x 1.27cm |
| 80-1401 | $\frac{3}{4}$ " x $\frac{3}{4}$ " | 1.91cm x 1.91cm |
| 80-1402 | $\frac{1}{2}$ " x 1" | 1.27cm x 2.54cm |
| 80-1403 | 1" x 1" | 2.54cm x 2.54cm |
| 80-1404 | $\frac{1}{2}$ " x $1\frac{1}{2}$ " | 1.27cm x 3.81cm |
| 80-1406 | $\frac{1}{2}$ " x 2" | 1.27cm x 5.08cm |
| 80-1407 | $\frac{1}{2}$ " x 3" | 1.27cm x 7.62cm |
| 80-1408 | 1" x 3" | 2.54cm x 7.62cm |
| 80-1409 | 3" x 3" | 7.62cm x 7.62cm |



NEUROSURGERY

STRIPS, NEUROSURGICAL



CODMAN Surgical Strips, sterile, X-ray detectable, 10 strips per package, 20 packages per dispenser box.		
80-1449	1/8" x 6"	(3 x 152mm)
80-1450	1/4" x 6"	(6 x 152mm)
80-1451	1/2" x 6"	(13 x 152mm)
80-1452	3/4" x 6"	(19 x 152mm)
80-1453	1" x 6"	(25 x 152mm)
80-1454	1 1/2" x 6"	(38 x 152mm)
80-1455	2" x 6"	(51 x 152mm)
80-1456	3" x 6"	(76 x 152mm)
80-1457	3 1/2" x 6"	(89 x 152mm)

SUCTION, TUBES



ADSON Suction Tube with Obturator, Curved		
	Working Distance	6" (15.2cm)
32-3724	Diameter	7FR
32-3725	Diameter	9FR
32-3726	Diameter	11FR



ADSON Suction Tubes, curved tip, with thumb piece to control suction.		
70-1146	Diameter	12 Fr.
	Length	5 1/2" (140mm)
70-1148	Diameter	15 Fr.
	Length	7 1/2" (191mm)

Tube length is measured from top of socket to tip.

SUCTION, TUBES

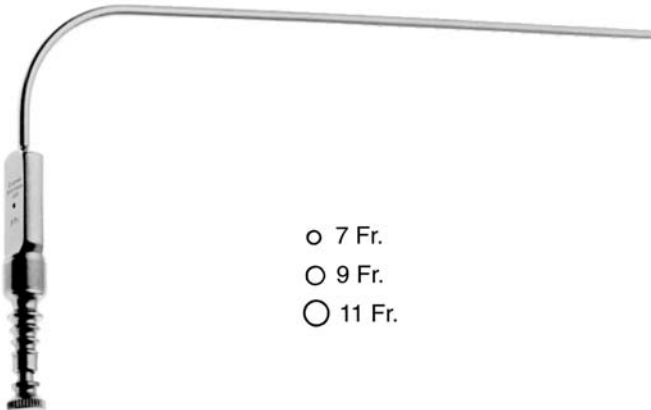
	BARON Suction Tube, Curved	
	Diameter	Working Distance
32-3700	3FR	3", (7.5cm)
32-3701	3FR	4", (10cm)
32-3717	5FR	3", (7.5cm)
32-3715	5FR	4", (10cm)
32-3718	7FR	3", (7.5cm)
32-3716	7FR	4", (10cm)



	FRAZIER Suction Tubes, straight, with thumb piece to control suction.	
	Tubing length	5¼" (133mm)
70-1100	Diameter	7 Fr.
70-1101	Diameter	9 Fr.
70-1102	Diameter	11 Fr.



	FRAZIER Suction Tubes, with thumb piece to control suction.	
	Tubing length	4½" (114mm)
	Diameter	7 Fr.
70-1079	Angular	
70-1005	Angular insulated	
	Diameter	9 Fr.
70-1080	Angular	
70-1006	Angular insulated	
	Diameter	11 Fr.
70-1081	Angular	
70-1007	Angular insulated	
	Tubing length	7½" (191mm)
	Diameter	7 Fr.
70-1087	Angular	
70-1015	Angular insulated	
	Diameter	9 Fr.
70-1088	Angular	
70-1016	Angular insulated	
	Diameter	11 Fr.
70-1089	Angular	
70-1017	Angular insulated	



- 7 Fr.
- 9 Fr.
- 11 Fr.

Use 29-1003 FRAZIER cord with cautery attachment.

SUCTION, TUBES



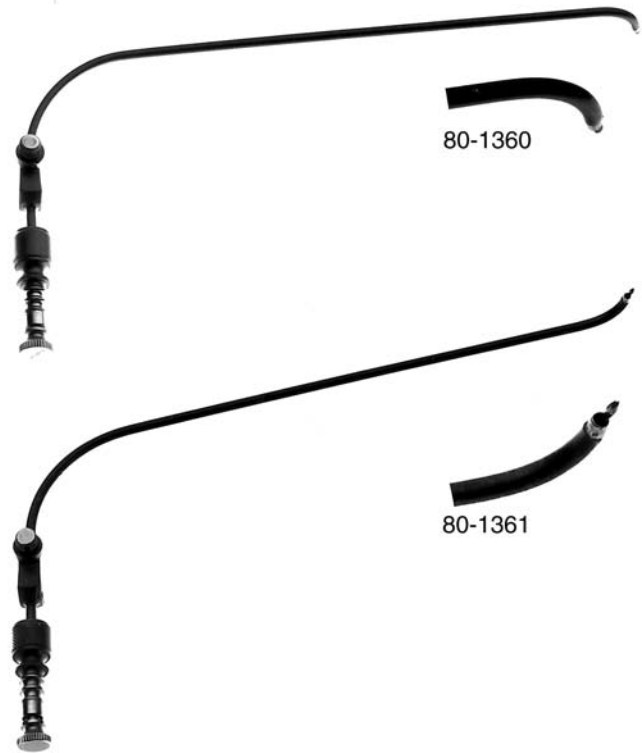
FUKUSHIMA Style, Suction Tubes, Malleable Tube			
	Jaw Width	Length	
67-7583	3mm	8"	(20.3cm)
67-7850	4FR	6 1/4"	(15.9cm)
67-7851	5FR	6 1/4"	(15.9cm)
67-7852	6FR	6 1/4"	(15.9cm)
67-7853	7FR	6 1/4"	(15.9cm)
67-7854	8FR	6 1/4"	(15.9cm)
67-7855	9FR	6 1/4"	(15.9cm)
67-7856	4FR	7"	(17.8cm)
67-7857	5FR	7"	(17.8cm)
67-7858	6FR	7"	(17.8cm)
67-7859	7FR	7"	(17.8cm)
67-7860	8FR	7"	(17.8cm)
67-7861	9FR	7"	(17.8cm)
67-7862	4FR	8"	(20.3cm)
67-7863	5FR	8"	(20.3cm)
67-7864	6FR	8"	(20.3cm)
67-7865	7FR	8"	(20.3cm)
67-7866	8FR	8"	(20.3cm)
67-7867	9FR	8"	(20.3cm)



FUKUSHIMA Style, Suction Tube, Malleable tube, tapered teardrop			
	Length	9"	(22.9cm)
	Tip Width		
67-7868	4FR		
67-7869	5FR		
67-7870	6FR		
67-7871	7FR		
67-7872	8FR		
67-7873	9FR		

SUCTION, TUBES

	HARDY Suction Tubes, angular with thumb control, insulated.		
	Diameter	7 Fr.	
	Length	7¼"	(184mm)
80-1360	Curved left		
80-1361	Curved right		



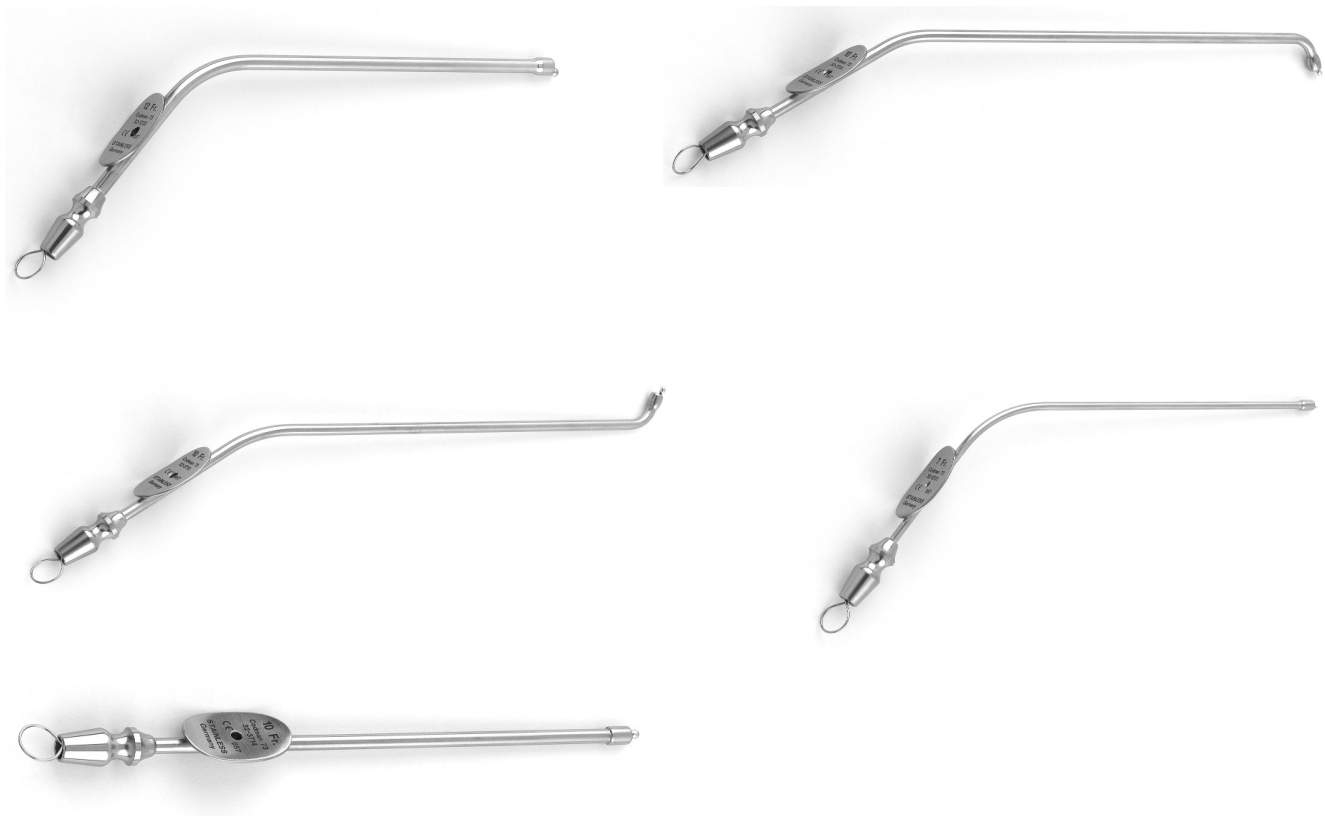
	MALIS-FRAZIER Suction Tubes, black anodized.		
	Diameter	7 Fr.	
70-1103	Length	4¼"	(108mm)
70-1104	Length	7½"	(191mm)



	PRIBRAM Suction Tubes, with thumb piece to control suction.		
	Tubing length	5½"	(140mm)
70-1128	Diameter	16 G.	
70-1130	Diameter	18 G.	



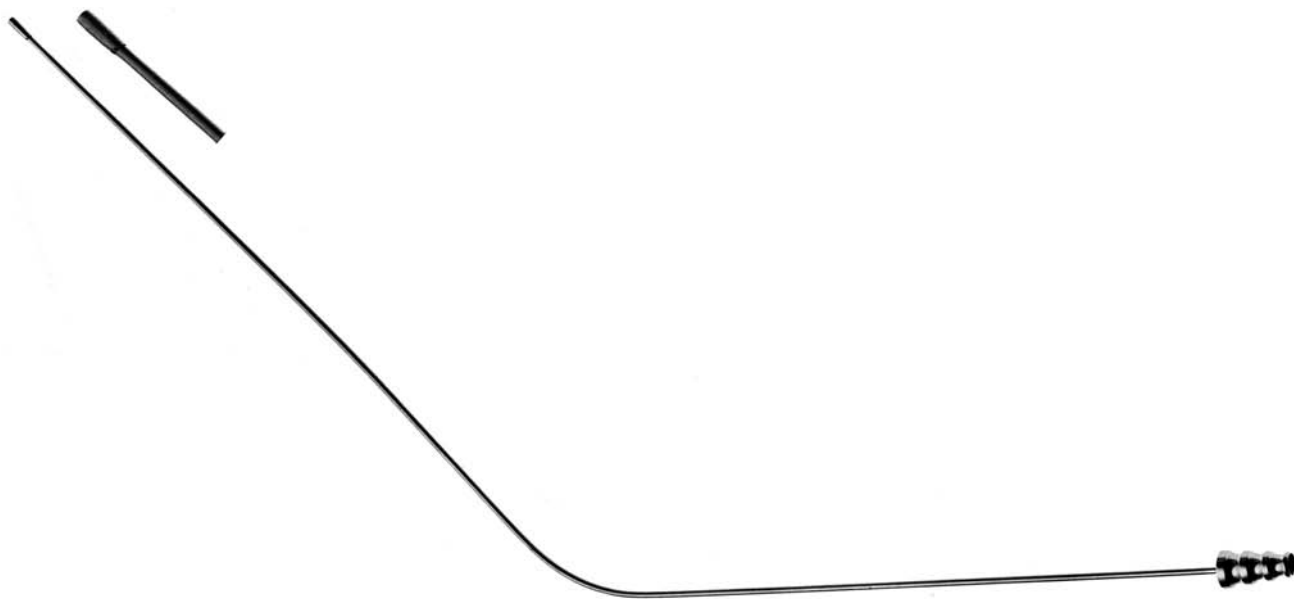
SUCTION, TUBES



RHOTON-MERZ Suction Tube				Working Distance
32-3702	5FR	Curved Down	Tissue Protecting Tip	5½" (13cm)
32-3703	7FR	Curved Down	Tissue Protecting Tip	5½" (13cm)
32-3704	10FR	Curved Down	Tissue Protecting Tip	5½" (13cm)
32-3708	5FR	Curved Up	Tissue Protecting Tip	5½" (13cm)
32-3709	7FR	Curved Up	Tissue Protecting Tip	5½" (13cm)
32-3710	10FR	Curved Up	Tissue Protecting Tip	5½" (13cm)
32-3719	3FR	Curved		4" (10cm)
32-3720	5FR	Curved		4" (10cm)
32-3721	7FR	Curved		4" (10cm)
32-3722	10FR	Curved		4" (10cm)
32-3723	12FR	Curved		4" (10cm)
32-3705	5FR	Curved		5" (13cm)
32-3706	7FR	Curved		5" (13cm)
32-3707	10FR	Curved		5" (13cm)
32-3711	3FR	Straight	Tissue Protecting Tip	3.3" (8.5cm)
32-3712	5FR	Straight	Tissue Protecting Tip	3.3" (8.5cm)
32-3713	7FR	Straight	Tissue Protecting Tip	3.3" (8.5cm)
32-3714	10FR	Straight	Tissue Protecting Tip	3.3" (8.5cm)

SUCTION, TUBES

	SACHS Suction Tubes, with thumb piece to control suction.		
70-1160	Shaft length	9 ⁵ / ₈ "	(241mm)
	Diameter	8 Fr.	
	Tip length	4"	(102mm)
70-1161	Diameter	15 Fr.	
	Tip length	4 ¹ / ₂ "	(114mm)



	YASARGIL Micro Suction Tubes		
	Length	14"	(348mm)
80-1620	Small	Outside diameter	1.7mm
80-1621	Medium	Outside diameter	2.5mm
80-1622	Large	Outside diameter	3.5mm

SUPPORTER, VESSEL



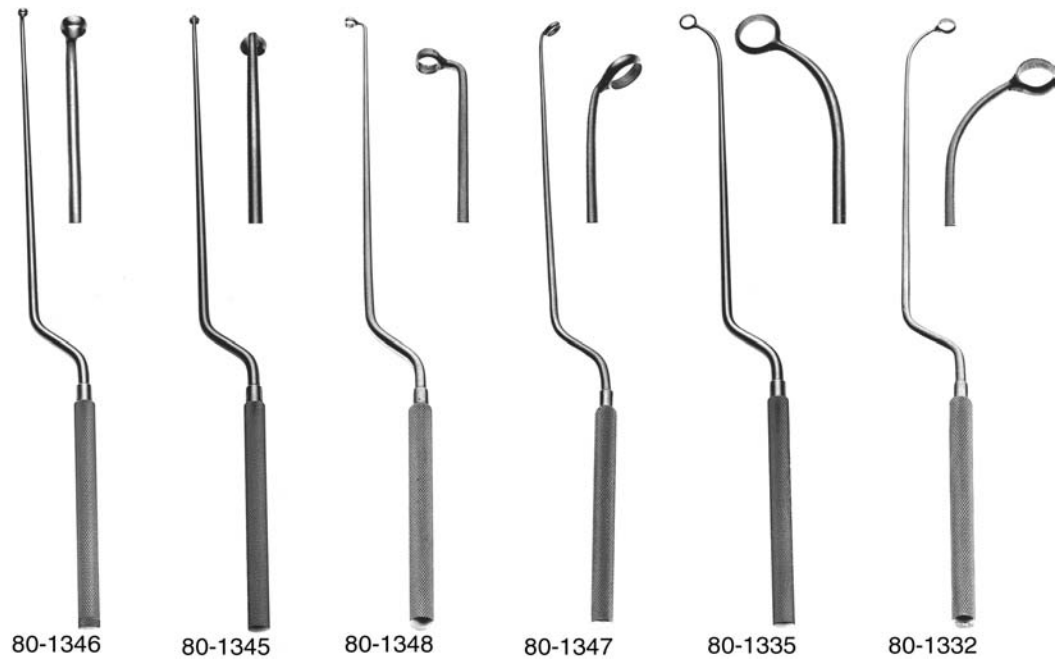
80-1534	MALIS Vessel Supporter, titanium handle, stainless steel shaft, two prong. Length $7\frac{3}{8}"$ (187mm)
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TRANSORAL INSTRUMENTS, CROCKARD



50-1670	CROCKARD* Transoral Instrument Set Coordinated set of instruments used to approach a large area of pathology from the sphenoid to the C ₃ vertebra via the transoral technique. Set Includes: Quantity
50-1651	1 ea. CROCKARD Transoral Retractor Body
50-1652	1 ea. CROCKARD Large Tongue Retractor Blade
50-1653	1 ea. CROCKARD Small Tongue Retractor Blade
50-1654	2 ea. CROCKARD 90° Retractor Blade
50-1655	2 ea. CROCKARD Curved Retractor Blade
50-1656	2 ea. CROCKARD Retractor Blade Connector
50-1657	1 ea. CROCKARD Suction Tube Holder, Short
50-1658	1 ea. CROCKARD Suction Tube Holder, Long
50-1659	1 ea. CROCKARD Hard Palate Retractor
50-1660	1 ea. CROCKARD Pharyngeal Retractor, Small
50-1661	1 ea. CROCKARD Pharyngeal Retractor, Large
50-1662	1 ea. CROCKARD Odontoid Peg Grasping Forceps
50-1663	1 ea. CROCKARD Ligament Grasping Forceps
50-1664	CROCKARD Sterilizing/Storage Case

TRANSSPHENOIDAL, HARDY



	HARDY Curettes, bayonet.		
	Working distance	4 ³ / ₄ "	(120mm)
	Total length	9 ¹ / ₄ "	(235mm)
	Type	Tip Width	
80-1346	Angled up	3mm	
80-1331	Angled up	5mm	
80-1345	Angled down	3mm	
80-1330	Angled down	5mm	
80-1348	90° Left	3mm	
80-1333	90° Left	5mm	
80-1347	45° Right	3mm	
80-1334	45° Right	5mm	
80-1335	Curved left	5mm	
80-1332	Curved right	5mm	

TRANSSPHEROIDAL, HARDY



80-1311



80-1312



80-1325



80-1326



80-1329

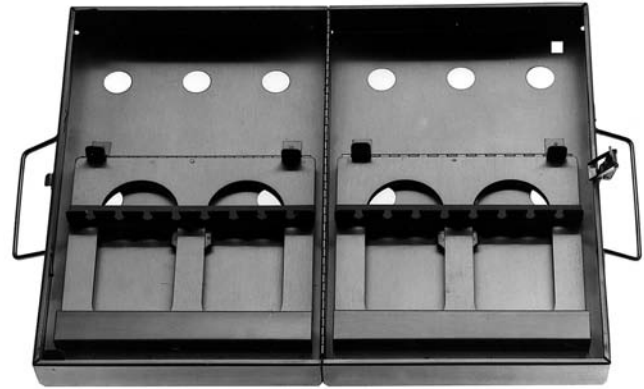
HARDY Enucleators.		
Working distance	4 ³ / ₄ "	(120mm)
Length	9 ¹ / ₄ "	(235mm)
Type	Tip Width	
80-1311	Left micro	2.4mm
80-1312	Right micro	2.4mm
80-1325	Left	2.6mm
80-1326	Right	2.6mm
80-1329	Reverse curve	2.6mm
The flat of the handle should be down for orientation of working end through the speculum.		

TRANSSPHENOIDAL, HARDY

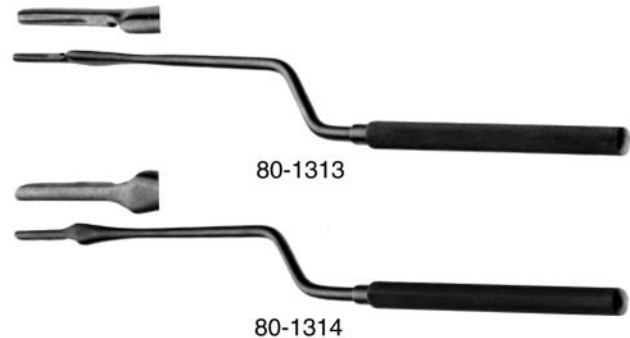
80-1328	HARDY Fork, bayonet, three prong.		
	Working distance	3½"	(89mm)
	Length	8⅞"	(235mm)



80-1355	HARDY Instrument Case, with removable panels, holds approximately 16 bayonet dissectors. (Does not hold bipolar forceps.)		
	Length	11"	(279mm)
	Width	7"	(178mm)
	Depth	2¼"	(57mm)



	HARDY Knife Handle, bayonet.		
	Working distance	3½"	(90mm)
	Total length	8⅞"	(205mm)
80-1313	Vertical		
80-1314	Lateral		



80-1337	HARDY Lip Retractor is placed around the upper edge of a HARDY Nasal Speculum to keep the prolapsing upper lip out of the narrow field between the two valves during transsphenoidal procedures.		
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TRANSSPHENOIDAL, HARDY



	HARDY Micro Dissector, bayonet.		
	Working distance	4 ³ / ₄ "	(120mm)
	Length	9 ¹ / ₄ "	(235mm)
	Type	Tip Width	
80-1315	Angled up	2.8mm	
80-1316	Angled down	2.8mm	

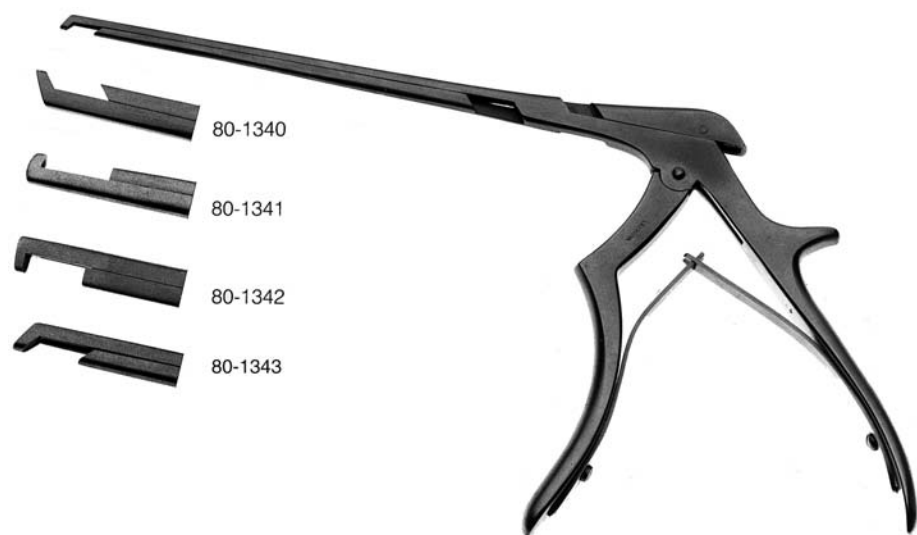


	HARDY Nasal Bivalve Specula, black anodized finish, except knob.		
80-1350	Small	Length	2 ³ / ₄ " (70mm)
80-1351	Acromegalic	Length	3 ¹ / ₂ " (90mm)
80-1352	Standard	Length	3 ¹ / ₈ " (80mm)



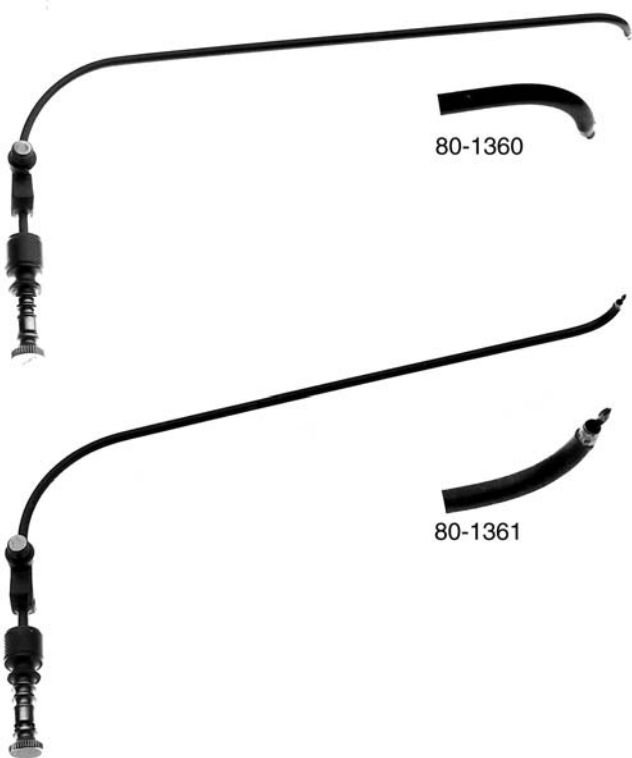
80-1336	HARDY Pituitary Spoon, bayonet, malleable.		
	Working distance	4 ³ / ₄ "	(120mm)
	Length	9 ¹ / ₄ "	(235mm)

TRANSSPHENOIDAL, HARDY



HARDY Sella Punch			
	Length	7"	(178mm)
80-1344	40° Up	Bite	1mm
80-1340	40° Up	Bite	2mm
80-1341	90° Up	Bite	2mm
80-1342	90° Down	Bite	2mm
80-1343	40° Down	Bite	2mm

TRANSSPHENOIDAL, HARDY



	HARDY Suction Tubes, angular with thumb control, insulated.		
	Diameter	7 Fr.	
	Length	7¼"	(184mm)
80-1360	Curved left		
80-1361	Curved right		



80-1366	HARDY Transsphenoidal Mirror, bayonet shape.		
	Working distance	4½"	(114mm)
	Tip width		5.0mm
	Length	9"	(229mm)

TRAYS, CURETTES

21-1003	SPINAL FUSION CURETTE Storage and Sterilizing Case, holds nine sizes of curettes 23-1061 through 23-1069.
Width	7 $\frac{1}{4}$ " (184mm)
Length	11 $\frac{3}{4}$ " (299mm)
21-1022	SPINAL FUSION CURETTE Storage and Sterilizing Case, holds nine sizes of curettes.
Width	7 $\frac{1}{4}$ " (184mm)
Length	9 $\frac{3}{4}$ " (248mm)



TRAYS STAINLESS STEEL, INSTRUMENTS

80-1355	HARDY Instrument Case, with removable panels, holds approximately 16 bayonet dissectors. (Does not hold bipolar forceps.)
Length	11" (279mm)
Width	7" (178mm)
Depth	2 $\frac{1}{4}$ " (57mm)



TRAYS, STERILIZING, LIGHTWEIGHT INSTRUMENTS



CODMAN's Micro Osseous Dissection instruments are designed for the microsurgical removal of bony, calcified or other firm tissues. These instruments can be used in conjunction with a high speed drill to thin bone before removal.

Working Distance: 2¾" (70mm)

46-2601 Micro Rongeur, Bayonet, 40° Up-Bite, 1mm

46-2602 Micro Rongeur, Bayonet, 40° Up-Bite, 2mm

46-2603 Micro Rongeur, Bayonet, 40° Up-Bite, 3mm

Working Distance: 3" (76mm)

46-2605 Micro Curette, Bayonet, Straight 000

46-2606 Micro Curette, Bayonet, Straight 0000

46-2607 Micro Curette, Bayonet, 45° Up 00

46-2608 Micro Curette, Bayonet, 45° Up 000

46-2609 Micro Curette, Bayonet, 45° Up 0000

46-2610 Micro Curette, Bayonet, 80° Down 00

46-2611 Micro Curette, Bayonet, 80° Down 000

46-2612 Micro Curette, Bayonet, 80° Down 0000

46-2613 ULTEM® Sterilizing Case for Osseous Dissection Instruments



50-1664 CROCKARD Sterilizing/Storage Case

Length 18" (457mm)

Width 10½" (266mm)

Depth 7¼" (184mm)

TRAYS, STERILIZING, LIGHTWEIGHT INSTRUMENTS

80-1568	MICROCARE™ Small Polytec Case, manufactured from a sterilizable plastic material (ULTEM*), with a transparent cover. Includes 10 cradle areas for straight instruments only (including bipolar forceps).
Length	12" (305mm)
Width	10½" (267mm)
Depth	1¾" (44mm)
MICROCARE™ Polytec Cases have silicone bumpers for instrument tip protection.	

ULTEM™ is a trademark of General Electric.



80-1914	MICROCARE Universal Bayonet Instrument Case. Lightweight, ULTEM* for sterilization and storage. Contains 14 slots for bayonet instruments; separate tray for 3 bayonet dissectors; space around perimeter of case for straight instruments or other surgical devices.
Length	21" (53cm)
Width	13" (33cm)
Depth	1.5" (4cm)



TRAYS, STERILIZING, LIGHTWEIGHT SMALL DEVICES



	MICROCARE® CIS System, modular 20 compartment color coordinated tray system. Ideally suited for aneurysm clips and other similar sized products. Manufactured from a plastic sterilizable material (ULTEM*), with a transparent cover.		
80-1580	MICROCARE® CIS Large Set, with base tray, four smaller clip trays (20 compartments each), and four reusable inventory cards. Base tray holds up to eight appliers. Includes: MICROCARE® Clip Trays, four different colors, 20 individual compartments, and one reusable inventory control card.		
	Compartment Dimensions		
	Length	1¼"	(32mm)
	Width	1"	(25mm)
	Depth	½"	(13mm)
	Tray Dimensions		
	Length	9½"	(241mm)
	Width	5½"	(140mm)
	Depth	½"	(13mm)
80-1581	Blue		
80-1582	White		
80-1583	Grey		
80-1584	Black		
80-1594	MICROCARE® Large Base Tray, with cover, holds four 20 compartment trays, and up to eight appliers.		
	Length	21"	(533mm)
	Width	13"	(330mm)
	Depth	1¾"	(44mm)
80-1595	MICROCARE® Small Base Tray, with cover, holds two 20 compartment trays, and up to four appliers.		
	Length	12"	(305mm)
	Width	10½"	(267mm)
	Depth	1½"	(38mm)

*ULTEM™ is a trademark of General Electric.

TRAYS, STERILIZING, LIGHTWEIGHT SMALL DEVICES

80-1840	SUNDT AVM Micro Clip Tray Sterilizing/storage tray made of lightweight ULTEM®. Contains soft rubber bars to hold individual AVM clips in storage cubes. Code numbers and drawings of clips appear on bottom of tray. Rubber holders on cover secure applicators.
Length	11" (28cm)
Width	7" (18cm)
Depth	1 3/4" (4.5cm)



80-1844	SUNDT SLIM-LINE Graft Clip Tray. Sterilizing/Storage Tray made of lightweight ULTEM®. Contains soft rubber bars to hold individual clips. Code numbers of clips appear on bottom of tray. Rubber holders on cover secure applicators.
Length	11" (25cm)
Width	7" (18cm)
Depth	1 3/4" (4.5cm)



TRAYS, STERILIZING, STAINLESS STEEL INSTRUMENT



80-1562 MICROCARE® Large Case, holds approximately 18 straight instruments.
Length 15" (381mm)
Width 10½" (267mm)
Depth 1¼" (32mm)

80-1563 MICROCARE® Small Case, holds approximately 11 straight instruments.
Length 10½" (267mm)
Width 10" (254mm)
Depth 1¼" (32mm)

MICROCARE® Cases have a removable lid, hideaway locking handles, extruded silicone rubber bars, and base has nylon-coated pins for extra protection of delicate instruments.



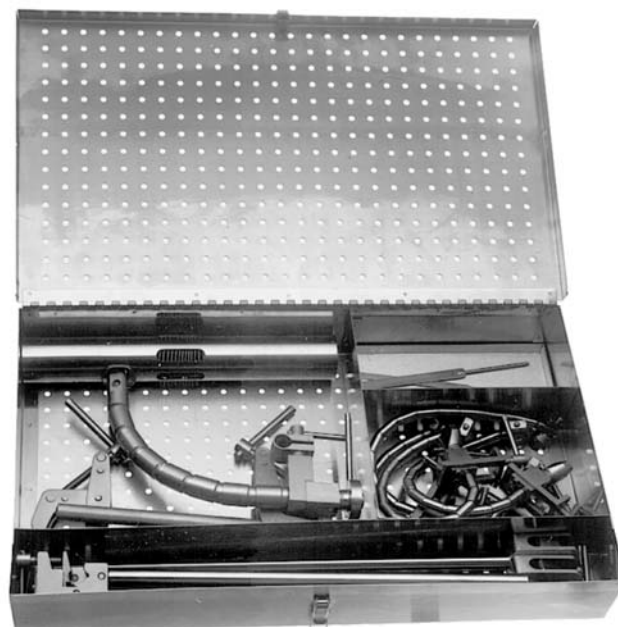
TRAYS, STERILIZING, STAINLESS STEEL INSTRUMENT

50-1514 GREENBERG Universal Retractor Case, with four compartments for various components.
Compartment Dimensions

	Compartment # 1	Compartment # 2
Length	10 $\frac{3}{8}$ " (264mm)	17" (432mm)
Width	7 $\frac{3}{4}$ " (197mm)	2 $\frac{1}{8}$ " (54mm)
	Compartment # 3	Compartment # 4
Length	6 $\frac{3}{4}$ " (171mm)	6 $\frac{3}{4}$ " (171mm)
Width	4 $\frac{5}{8}$ " (117mm)	3 $\frac{1}{8}$ " (79mm)

Case Dimensions

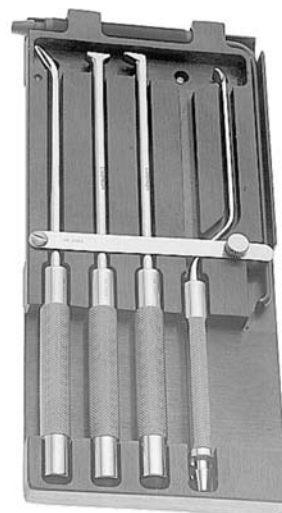
Length	17"	(432mm)
Width	10"	(254mm)
Depth	2 $\frac{3}{8}$ "	(60mm)



TRAYS, STERILIZING, STAINLESS STEEL MISCELLANEOUS, SPINAL

46-3003 STERILIZING O. R. DISPLAY CASE
Spondylophyte Impaction Set.
Designed to house impaction set and/or
ancillary instruments: three straight handled
instruments and a bayonet (black or silver)
Dural Suction Retractor;
or:
four straight handled instruments and a black
90° Dural Suction Retractor. Keeper Blade
holds instruments in place
Length: 10" (25cm)
Width: 4 $\frac{1}{2}$ " (11cm)
Thickness: $\frac{5}{8}$ " (16mm)

Note: Instruments not included



NEUROSURGERY

CARDIOVASCULAR TRAYS

Basic Open Heart Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
1	36-5061	MAYO SCISSOR 6¾" CURVED
1	36-5034	METZENBAUM SCISSOR 9" CURVED
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
1	54-1037	METZENBAUM SCISSOR 11" CURVED
6	30-4035	COLLER HEMOSTATIC FORCEP, CURVED
2	30-4565	PEAN HEMOSTATIC FORCEP, 9" CURVED
2	34-4130	ROCHESTER OCHSNER FORCEPS 8" STRAIGHT
2	30-4464	ADSON HEMOSTATIC FORCEPS 7¼" CURVED
2	30-8085	WILLAUER-ALLIS THORACIC TISSUE FORCEP 10"
2	30-4081	MIXTER GALLBLADDER FORCEP 7" CURVED
1	19-5582	GEMINI HEMOSTATIC FORCEP 9"
8	32-3514	CODMAN TUBING CLAMP 8" WITH GUARD
2	11-5530	#3 KNIFE HANDLE
1	11-5531	#7 KNIFE HANDLE
8	33-5005	BACKHAUS TOWEL CLAMP 5½"
2	33-6031	SPONGE FORCEPS 9" CURVED
2	36-3010	MICROVASCULAR NEEDLE HOLDER 7"
2		VASCULAR NH 8
2	36-3011	MICROVASCULAR NEEDLE HOLDER 9"
2		VASCULAR NH 10"
2	32-3683	JULIAN NEEDLE HOLDER 8" STRAIGHT
2	32-3684	JULIAN NEEDLE HOLDER 8" CURVED
2	36-2025	STERNAL NEEDLE HOLDER AND WIRE TWISTER 7"
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	30-4138	DRESSING FORCEPS SERRATED 10"
1	30-4156	TISSUE FORCEPS 10" 1X2 TEETH
1	36-6005	CUSHING TISSUE FORCEPS 7" STRAIGHT
2	70-4026	YANKAUER SUCTION TUBE 10¾"
2	50-1020	CUSHING VEIN RETRACTOR 9"
1	504135C	RICHARDSON-EASTMAN RETRACTORS
1	50-4308	DEAVER RETRACTOR 3X12
2	504222CO	VOLKMANN RETRACTOR 4 PRONG SHARP
1	32-3373	SIDE CUTTING WIRE CUTTERS 9"
2	67-8001	RUMEL OBTURATOR 9"
1	70-8035	COOLEY GRAFT SUCTION TUBE

1	70-8038	COOLEY LEFT VENTRICULAR SUMP SUCTION TUBE
1	25-1142	HARKEN AURICLE CLAMP NO. 1
1	25-1140	HARKEN AURICLE CLAMP NO. 2
1	25-1144	HARKEN AURICLE CLAMP NO. 3
1	25-1146	HARKEN AURICLE CLAMP NO. 4
1	25-1100	SATINSKY VENA CAVA CLAMP 10¾" 32MM X 9MM
1	25-1104	SATINSKY VENA CAVA CLAMP 10¾" 50MM X 13MM
1	25-1108	SATINSKY VENA CAVA CLAMP 6½" 32MM X 7MM
1	19-8104	CRAFOORD COARCTATION CLAMP
1	37-1010	DEBAKEY VASCULAR TISSUE FORCEPS 6"
1	37-1011	DEBAKEY VASCULAR TISSUE FORCEPS 7¾"
1	37-1012	DEBAKEY VASUCULAR TISSUE FORCEPS 9½"
1	21-3002	LARGE STERILIZING TRAY
2	32-3345	CODMAN INSTRUMENT HOLDER 12" X 3"

Carotid Endarterectomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	21-630	JOSEPH NASAL SCISSORS STRAIGHT
1	21-632	JOSEPH NASAL SCISSORS CURVED
1	37-4036	COOLEY CARDIOVASCULAR SCISSORS
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
1	36-5061	MAYO SCISSOR 6¾" CURVED
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
1	54-8002	POTTS SMITH SCISSOR 45DEG ANGLE
1	54-8017	DIETHRICH CORONARY ARTERY SCISSORS 25DEG ANGLE
4	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
2	34-4030	CRILE HEMOSTATIC FORCEP 5½" STRAIGHT
2	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED
1	30-4494	DELICATE RIGHT ANGLE CLAMP 7"
1	11-5530	#3 KNIFE HANDLE
4	33-5005	BACKHAUS TOWEL CLAMP 5½"
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"
2	36-3010	MICROVASCULAR NEEDLE HOLDER 7"
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
4	33-7001	ALLIS TISSUE FORCEPS 6" 5X6 TEETH

CARDIOVASCULAR TRAYS

2	37-1011	DEBAKEY VASCULAR TISSUE FORCEPS 7 ³ / ₄ "
1	50-1194	WEITLANER RETRACTOR 5 ¹ / ₂ " SHARP
1	70-6560	ANDREWS-PYNCHON SUCTION TUBE
1	70-1087	FRAZIER SUCTION TUBE ANGULAR 7 ¹ / ₂ " 7FR
1	70-1088	FRAZIER SUCTION TUBE ANGULAR 7 ¹ / ₂ " 9FR
1	67-8004	RUMEL OBTURATOR 6"
1	65-1018	PENFIELD DISSECTOR SLIGHTLY CURVED LIGHT
1	63-8011	LEMMON INTIMA DISSECTORS SLIGHT CURVE
1	63-8012	LEMMON INTIMA DISSECTORS MEDIUM CURVE
1	63-8013	LEMMON INTIMA DISSECTORS ACUTE CURVE
1	65-1038	MILLIGAN DISSECTOR, DOUBLE ENDED
1		MILLS ENDARTERECTOMY SPATULA 6 ⁷ / ₈ "
1		LONG PLAQUE RETR 7 ¹ / ₂ "
1		MINI PLAQUE RETR 6 ¹ / ₂ "
1	37-1054	GLOVER CLASSIC BULLDOG CLAMP 1X2 VASCULAR TEETH
1	37-1055	GLOVER CLASSIC BULLDOG CLAMP 1X2 VASCULAR TEETH
1	37-1056	GLOVER CLASSIC BULLDOG CLAMP 1X2 VASCULAR TEETH
1	37-1290	COOLEY CLASSIC MULTI PURPOSE CLAMP 30DEG
1		JAVID CAROTID ART CLP 6 ¹ / ₄ "
1		JAVID CAROTID ART CLP 7 ¹ / ₈ "
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3346	CODMAN INSTRUMENT HOLDER 5 ⁷ / ₈ " X 3 ¹ / ₈ "

CABG (Pump Pan) Set

SUGG	PRODUCT CODE	DESCRIPTION
2	30-4474	MOSQUITO HEMOSTATIC FORCEPS 5" CURVED
6	32-3512	TUBING CLAMP FORCEPS WITH GUARD 6"
1	36-2002	CRILE-WOOD NEEDLE HOLDER 8"
1	36-3011	MICROVASCULAR NEEDLE HOLDER 9"
1	36-1002	CASTROVIEJO NEEDLE HOLDER 7"
1	80-1522	MALIS SCISSORS, TITANIUM, STRAIGHT, BAYONET
1	80-1523	MALIS SCISSORS, TITANIUM, CURVED UP, BAYONET
1	80-1856	JONES I.M.A. SCISSORS, BAYONET, REVERSE ANGLE
1	54-8018	DIETHRICH CORONARY ARTERY SCISSORS 45DEG ANGLE

2	30-8132	MICRO FPS 8 ³ / ₈ " STR DEBAKEY-DIETHRICH VASCULAR FORCEP 7 ³ / ₄ "
1		KRAYENBUEHL DURA HOOK 7 ¹ / ₄ " ANG
1	67-8000	RUMEL CARDIOVASCULAR TOURNIQUET W/OBTURATOR
1		RUMEL TOURNIQUET 8 ¹ / ₄ " CHILD
1	25-8015	GARRETT VASCULAR DILATORS
3	19-8095	DIETHRICH BULLDO CLAMPS ANGLED ³ / ₄ " X 2"
2	37-1115	DEBAKEY PERIPHERAL VASCULAR CLAMP S-SHAPED 1X2 TEETH
2	37-1125	DEBAKEY PERIPHERAL VASCULAR CLAMP CURVED 1X2 TEETH
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3346	CODMAN INSTRUMENT HOLDER 5 ⁷ / ₈ " X 3 ¹ / ₈ "

Major Abdominal Vascular Set

SUGG	PRODUCT CODE	DESCRIPTION
1	34-4490	MAYO SCISSORS 6 ³ / ₄ " STRAIGHT, BEVELED BLADES
1	34-4095	MAYO SCISSORS 6 ³ / ₄ " CURVED, BEVELED BLADES
1	36-5016	METZENBAUM SCISSOR 7" CURVED
1	36-5017	METZENBAUM SCISSOR 9" CURVED
1	54-8001	POTTS SMITH SCISSOR 25DEG ANGLE
1	54-8002	POTTS SMITH SCISSOR 45DEG ANGLE
4	34-4000	HALSTED MOSQUITO FORCEP 5" STRAIGHT
4	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
6	34-4031	CRILE HEMOSTATIC FORCEP 5 ¹ / ₂ " CURVED
4	34-4091	ROCHESTER-PEAN HEMOSTATIC FORCEP 8" CURVED
4	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6 ¹ / ₄ "
2	33-7010	ALLIS TISSUE FORCEP 5X6TEETH 7 ¹ / ₄ "
2	30-8085	WILLAUER-ALLIS THORACIC TISSUE FORCEP 10"
2	19-8145	MIXTER THORACIC CLAMP FORCEPS 9"
2	11-5530	#3 KNIFE HANDLE
1	11-5534	#7 KNIFE HANDLE
1	11-5535	#3 LONG KNIFE HANDLE
6	33-5005	BACKHAUS TOWEL CLAMP 5 ¹ / ₂ "
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"

CARDIOVASCULAR TRAYS

			Minor Peripheral Vascular Set		
			SUGG	PRODUCT CODE	DESCRIPTION
2	36-3010	MICROVASCULAR NEEDLE HOLDER 7"			
2	36-2002	CRILE-WOOD NEEDLE HOLDER 8"	1	37-4033	JAMISON METZENBAUM TENOTOMY SCISSORS 6"
1	36-2004	CRILE-WOOD NEEDLE HOLDER 10"			
2	30-4153	TISSUE FORCEP 1X2 TEETH 6"	1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH	1	54-8002	POTTS SMITH SCISSOR 45DEG ANGLE
1	30-4221	RUSSIAN TISSUE FORCEPS 8"	2	11-5530	#3 KNIFE HANDLE
1	30-4517	SINGLEY INTESTINAL FORCEP 9"	1	11-5534	#7 KNIFE HANDLE
1	37-1011	DEBAKEY VASCULAR TISSUE FORCEPS 7 ³ / ₄ "	2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"
1	37-1012	DEBAKEY VASUCULAR TISSUE FORCEPS 9 ¹ / ₂ "	1	36-3010	MICROVASCULAR NEEDLE HOLDER 7"
1	70-4000	POOL SUCTION TUBE 23FR	2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	70-4026	YANKAUER SUCTION TUBE 10 ³ / ₈ "	1	37-1010	DEBAKEY VASCULAR TISSUE FORCEPS 6"
2	32-3633	(CUSHING) VEIN RETRACTOR 11"	1	504135C	RICHARDSON-EASTMAN RETRACTORS
1	50-4303	DEAVER RETRACTOR 1X12	2	50-1210	GELPI RETRACTOR
1	50-4307	DEAVER RETRACTOR 2X12	2	50-1194	WEITLANER RETRACTOR 5 ¹ / ₂ " SHARP
1	50-4308	DEAVER RETRACTOR 3X12	1	32-3652	HENLY RETRACTOR
2	50-8072	MURPHY RETRACTOR FOUR PRONG SHARP	1	65-6620	FREER SEPTUM ELEVATOR
1	50-4120	RICHARDSON RETRACTOR ³ / ₄ " X 1"	1	70-1088	FRAZIER SUCTION TUBE ANGULAR 7 ¹ / ₂ " 9FR
1	50-4121	RICHARDSON RETRACTOR 1 X 1 ¹ / ₄ "	1		FRAZIER SUCTION TUBE ANGULAR 7 ¹ / ₂ " 11FR
1	50-4122	RICHARDSON RETRACTOR 1 ¹ / ₂ " X 1 ³ / ₄ "	1	70-1089	FRAZIER SUCTION TUBE ANGULAR 7 ¹ / ₂ " 9FR
1	70-1089	FRAZIER SUCTION TUBE ANGULAR 11FR	1		FRAZIER SUCTION TUBE ANGULAR 7 ¹ / ₂ " 11FR
1	70-8035	COOLEY GRAFT SUCTION TUBE	1	67-8001	RUMEL OBTURATOR 9"
1	45-8002	HEPARIN FLUSHING NEEDLE 18GAUGE	1	45-8002	HEPARIN FLUSHING NEEDLE, 18 GAUGE
1	25-8015	GARRETT VASCULAR DILATORS	1	37-4021	JACOBSON BULLDOG CLAMP CURVED
1	65-1038	MILLIGAN DISSECTOR, DOUBLE ENDED	1	37-4023	JACOBSON BULLDOG CLAMP STRAIGHT
1	37-1042	DEBAKEY BULLDOG CLAMP 1 ³ / ₄ " X 4 ¹ / ₈ " STRAIGHT	1	37-1070	DEBAKEY BULLDOG RING HANDLE CLAMP STRAIGHT
1	37-1046	DEBAKEY BULLDOG CLAMP 1 ³ / ₄ " X 4 ¹ / ₈ " CURVED	1	37-1071	DEBAKEY BULLDOG RING HANDLE CLAMP CURVED
1	37-1043	DEBAKEY BULLDOG CLAMP 2 ¹ / ₂ X 5" STRAIGHT	1	37-1072	DEBAKEY BULLDOG RING HANDLE CLAMP ANGLED 45DEG
1	37-1047	DEBAKEY BULLDOG CLAMP 2 ¹ / ₂ X 4 ³ / ₄ " CURVED	1		COOLEY PV CLAMP 6 ³ / ₄ " STR
1	37-1142	DEBAKEY AORTIC ANEURYSM CLAMP 12"	1		COOLEY PV CLAMP 6 ¹ / ₂ " ANG
1	37-1182	DEBAKEY MULTI PURPOSE CLAMP 90DEG 1X2 TEETH	1		COOLEY PV CLAMP 7" ANG
1	37-1200	SATINSKY VENA CAVA CLAMP 2 ³ / ₄ X ¹ / ₂ "	1	37-1110	COOLEY PV CLAMP 6 ³ / ₈ " CVD
1	37-1201	SATINSKY VENA CAVA CLAMP 2 ¹ / ₂ " X ³ / ₈ "	1		DEBAKEY PERIPHERAL VASCULAR CLAMP ANGLED 1X2 TEETH
1	37-1202	SATINSKY VENA CAVA CLAMP 2 ¹ / ₄ " X ¹ / ₄ "	1	37-1115	DEBAKEY PERIPHERAL VASCULAR CLAMP S-SHAPED 1X2 TEETH
1	37-1242	RENAL ARTERY CLAMP 10 ⁵ / ₈ "	1	37-1125	DEBAKEY PERIPHERAL VASCULAR CLAMP CURVED 1X2 TEETH
1	21-3002	LARGE STERILIZING TRAY	1	24-3270	COOLEY SPOON SHAPE CLAMP
2	32-3348	CODMAN INSTRUMENT HOLDER 9 ⁷ / ₈ " X 3 ¹ / ₈ "	1	30-9007	CASTANEDA SUTURE TAG FORCEPS NO. 1
			1	30-9008	CASTANEDA SUTURE TAG FORCEPS NO. 2

CARDIOVASCULAR TRAYS

1	30-9009	CASTANEDA SUTURE TAG FORCEPS NO. 3
1	30-9010	CASTANEDA SUTURE TAG FORCEPS NO. 4
1	21-3002	LARGE STERILIZING TRAY
1	32-3348	CODMAN INSTRUMENT HOLDER 9 ⁷ / ₈ " X 3 ¹ / ₈ "

1		COOLEY CAROTID CLAMP
1	32-3613	STERNOTOMY RETRACTOR NEWBORN
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3348	CODMAN INSTRUMENT HOLDER 9 ⁷ / ₈ " X 3 ¹ / ₈ "

Pediatric Vascular Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6 ³ / ₄ " STRAIGHT
1	32-3577	SUPER CUT METZENBAUM SCISSOR 5 ³ / ₄ "
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
4	30-4474	MOSQUITO HEMOSTATIC FORCEPS 5" CURVED
2	30-4467	CRILE DELICATE HEMOSTATIC FORCEP STRAIGHT 5 ¹ / ₂ "
2	30-4468	CRILE DELICATE HEMOSTATIC FORCEP CURVED 5 ¹ / ₂ "
2	30-4462	PEAN DELICATE HEMOSTATIC FORCEP, CURVED 5 ¹ / ₂ "
2	30-4466	ALLIS DELICATE TISSUE FORCEP 5X6 TEETH 5"
1	30-4485	MIXTER DELICATE HEMOSTATIC FORCEPS, RIGHT ANGLE 5 ¹ / ₄ "
1	30-4494	DELICATE RIGHT ANGLE CLAMP 7"
4	33-5000	BACKHAUS TOWEL CLAMPS 3 ¹ / ₂ "
2	11-5530	#3 KNIFE HANDLE
1	11-5534	#7 KNIFE HANDLE
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
2	36-3023	RYDER NEEDLE HOLDER SERRATED 5"
2	36-3014	RYDER NEEDLE HOLDER SERRATED 6"
1	30-4152	TISSUE FORCEPS 5 ¹ / ₂ " 1X2 TEETH
2	6-121	ADSON TISSUE FORCEP 1X2 TEETH AND CROSS SERRATIONS
1	37-1010	DEBAKEY VASCULAR TISSUE FORCEPS 6"
1	30-8131	DEBAKEY -DIETRICH VASCULAR FORCEPS
2	50-4261	SENN RETRACTOR BLUNT
2	50-1020	CUSHING VEIN RETRACTOR 9"
1		DEAVER RETRACTOR 6 ³ / ₄ " X 8MM
1	50-4120	RICHARDSON RETRACTOR 3 ⁴ / ₄ " X 1"
1	32-3602	GELPI RETRACTOR PEDIATRIC
1	50-1212	POPPEL-GELPI LAMINECTOMY RETRACTOR
1		COOLEY CLAMP STR W/STR JAW
1		COOLEY CLAMP ANG W/STR JAW
1		COOLEY CLAMP CVD W/ANG JAW
1		COOLEY CLAMP STR W/CVD JAW
1	37-1230	COOLEY ANASTOMOSIS CLAMP 30DEG SIDE ANGLE

PDA (Patent Ductus Arteriosis) Set

SUGG	PRODUCT CODE	DESCRIPTION
2	6-121	ADSON TISSUE FORCEP 1X2 TEETH AND CROSS SERRATIONS
2	30-4152	TISSUE FORCEPS 5 ¹ / ₂ " 1X2 TEETH
2		FORCEPS 7 STR .8MM TIP SMOOTH
2	30-8132	DEBAKEY-DIETRICH VASCULAR FORCEP 7 ³ / ₄ "
6	30-4474	MOSQUITO HEMOSTATIC FORCEPS 5" CURVED
4	30-4468	CRILE DELICATE HEMOSTATIC FORCEP CURVED 5 ¹ / ₂ "
2	30-4467	CRILE DELICATE HEMOSTATIC FORCEP STRAIGHT 5 ¹ / ₂ "
2	30-4462	PEAN DELICATE HEMOSTATIC FORCEP, CURVED 5 ¹ / ₂ "
2	30-4466	ALLIS DELICATE TISSUE FORCEP 5X6 TEETH 5"
2	30-4490	KOCHER DELICATE HEMOSTATIC FORCEP 1X2 TEETH STRAIGHT
2	30-4494	DELICATE RIGHT ANGLE CLAMP 7"
1		COOLEY NEO CLAMP STR WITH STR JAW
1		COOLEY NEO CLAMP CVD WITH ANG JAW
2	36-3000	RYDER NEEDLE HOLDER 5"
2	36-3012	RYDER NEEDLE HOLDER 7"
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
4	33-5000	BACKHAUS TOWEL CLAMPS 3 ¹ / ₂ "
1	36-5051	MAYO SCISSOR 6 ³ / ₄ " STRAIGHT
1	32-3577	SUPER CUT METZENBAUM SCISSOR 5 ³ / ₄ "
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
1	54-8017	DIETRICH CORONARY ARTERY SCISSORS 25DEG ANGLE
2	11-5530	#3 KNIFE HANDLE
1	11-5534	#7 KNIFE HANDLE
1	59-1080	DAVIS BRAIN SPATULA 1 ⁴ / ₄ "
1	59-1082	DAVIS BRAIN SPATULA 1 ² / ₂ "
1	50-5639	RIBBON RETRACTOR 3 ⁴ / ₄ " X 8"
1	32-3613	STERNOTOMY RETRACTOR NEWBORN
2	50-6536	ROLLET LACHRYMAL SAC RETRACTOR FOUR PRONG SHARP
2	50-4261	SENN RETRACTOR BLUNT
2	50-1020	CUSHING VEIN RETRACTOR 9"
1		DEAVER 6 ³ / ₄ " X 8MM

CARDIOVASCULAR TRAYS

1		DEAVER 6 $\frac{3}{4}$ " X 12MM	2	19-4001	PENNINGTON TISSUE GRASPING
1	50-5625	FINOCHEITTO INFANT RIB			FORCEP
		RETRACTOR	2	36-6055	DUVAL LUNG GRASPING FORCEPS
1	21-3001	MEDIUM STERILIZING TRAY			8 $\frac{1}{4}$ "
1	32-3348	CODMAN INSTRUMENT HOLDER	2	30-8082	THORACIC FORCEPS DELICATELY
		9 $\frac{7}{8}$ " X 3 $\frac{1}{8}$ "			CURVED 9 $\frac{1}{2}$ "
Thoracotomy Set					
SUGG	PRODUCT CODE	DESCRIPTION			
1	36-5051	MAYO SCISSOR 6 $\frac{3}{4}$ " STRAIGHT			
1	36-5061	MAYO SCISSOR 6 $\frac{3}{4}$ " CURVED	2	30-8065	MODIFIED COLLIER THORACIC
1	36-5016	METZENBAUM SCISSOR 7"			CLAMP
		CURVED	2	30-8051	HARRINGTON-MIXTER THORACIC
1	36-5017	METZENBAUM SCISSOR 9"			CLAMP FORCEPS
		CURVED	2	30-8092	ROCHESTER-CARMALT
1	36-5071	NELSON SCISSORS 11" CURVED			HEMOSTATIC FORCEP 12 $\frac{1}{4}$ "
		DELICATE	1	19-8168	SAROT BRONCHUS CLAMP RIGHT
2	36-2017	MAYO-HEGAR NEEDLE HOLDER 7"	1	19-8167	SAROT BRONCHUS CLAMP LEFT
1	32-3683	JULIAN NEEDLE HOLDER 8"	8	33-5005	BACKHAUS TOWEL CLAMP 5 $\frac{1}{2}$ "
		STRAIGHT	1	21-3002	LARGE STERILIZING TRAY
1	32-3680	COMAN (COOLEY) NEEDLE	1	32-3345	CODMAN INSTRUMENT HOLDER
		HOLDER 8"			12" X 3"
2	36-2025	STERNAL NEEDLE HOLDER AND			
		WIRE TWISTER 7"			
1	30-4517	SINGLEY INTESTINAL FORCEP 9"			
1		WANGENSTEEN FCPS			
1	70-4026	YANKAUER SUCTION TUBE 10 $\frac{3}{8}$ "			
1	50-8102	HARRINGTON SPLANCHNIC			
		RETRACTOR 2 $\frac{1}{2}$ " X 12 $\frac{1}{2}$ "			
2	504222CO	VOLKMANN RETRACTOR 4 PRONG			
		SHARP			
1	50-4120	RICHARDSON RETRACTOR $\frac{3}{4}$ " X 1"			
1	50-4121	RICHARDSON RETRACTOR 1" X 1 $\frac{1}{4}$ "			
1	50-4122	RICHARDSON RETRACTOR 1 $\frac{1}{2}$ " X			
		1 $\frac{3}{4}$ "			
1	504130C	RICHARDSON APPENDECTOMY			
		RETRACTOR			
1	50-4113	KELLY RETRACTOR XTRA LARGE			
1	53-1131	STILLE-LUER RONGEUR CURVED			
		8 $\frac{1}{2}$ "			
1	25-480	SAUERBRUCH RONGEUR 12"			
1	30-1296	STILLE-LISTON BONE CUTTING			
		FORCEP CURVED			
1	30-1298	STILLE-HORSLEY BONE CUTTING			
		FORCEPS			
1	50-8024	FINOCHIETTO RIB RETRACTOR			
1	50-8050	BAILEY RIB CONTRACTOR			
1	56-8044	STILLE-GIERTZ RIB SHEARS			
1	56-8043	BETHUNE RIB SHEAR			
1	52-8000	DOYEN RIB RASP LEFT			
1	52-8001	DOYEN RIB RASP RIGHT			
1	65-8005	ALEXANDER COASTAL			
		PERIOSTEOTOME			
1	50-8096	DAVIDSON SCAPULAR			
		RETRACTOR			
1	34-4071	ROCHESTER-PEAN HEMOSTATIC			
		FORCEP 6 $\frac{1}{4}$ " CURVED			
2	30-8095	DUVAL LUNG GRASPING FORCEPS			

GENERAL TRAYS

Cut Down Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5050	MAYO DISSECTING SCISSORS 5½"
1	36-5031	METZENBAUM DISSECTING SCISSORS 5¾" CURVED
4	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
2	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED
1	30-4485	MIXTER DELICATE HEMOSTATIC FORCEPS, RIGHT ANGLE 5¼"
4	33-5000	BACKHAUS TOWEL CLAMPS 3½"
1	36-1015	HALSEY NEEDLE HOLDER 5" SERRATED JAW
1	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
1	30-1185	ADSON DRESSING FORCEP 5" TIP 1.2MM
1	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
2	50-4260	SENN RETRACTOR SHARP
1	50-4265	ALM RETRACTOR
1	30-6524	EYE DRESSING FORCEPS CURVED 4"
1	30-6532	IRIS TISSUE FORCEP 1X2 TEETH CURVED
2	38-6646	JOSEPH NASAL HOOK DOUBLE PRONG 3/16"
1	11-5530	#3 KNIFE HANDLE
1	21-3000	SMALL STERILIZING CASE
1	32-3346	CODMAN INSTRUMENT HOLDER 5⅞" X 3⅞"

Gallbladder Extras Set

SUGG	PRODUCT CODE	DESCRIPTION
1	25-4005	BAKES COMMON DUCT DILATORS
1	14-26-S	FERGUSON GALL STONE SCOOP SMALL
1	14-26-M	FERGUSON GALL STONE SCOOP MEDIUM
1	14-26-L	FERGUSON GALL STONE SCOOP LARGE
1	14-84	BLAKE GALL STONE FORCEP STRAIGHT
1	14-86	BLAKE GALL STONE FORCEP CURVED
1	30-4500	LAHEY GALL DUCT FORCEP LONGITUDINAL SERRATIONS
1	71-4021	OCHSNER GALLBLADDER TROCAR 10FR
1	71-4025	OCHSNER GALLBLADDER TROCAR 16FR
1	50-8100	HARRINGTON SPLANCHNIC RETRACTOR 1½" X 12½"
1	50-8102	HARRINGTON SPLANCHNIC RETRACTOR 2½" X 12½"
1	54-8003	POTTS-SMITH SCISSORS 60DEG
1	30-4510	RANDALL KIDNEY STONE FORCEP QUARTER CURVED

1	30-4511	RANDALL KIDNEY STONE FORCEP HALF CURVED
1	30-4512	RANDALL KIDNEY STONE FORCEP THREE-QUARTER CURVED
1	30-4513	RANDALL KIDNEY STONE FORCEP FULL CURVED
1	21-3002	LARGE STERILIZING TRAY

Intestinal Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5017	METZENBAUM SCISSOR 9" CURVED
6	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
4	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED
2	36-2004	CRILE-WOOD NEEDLE HOLDER 10"
2	30-4222	RUSSIAN TISSUE FORCEP 10"
4	19-4056	ALLEN INTESTINAL ANASTOMOSIS CLAMP
2	37-4018	GLASSMAN NON-CRUSHING GASTROINTESTINAL CLAMP 9¼"
2	37-4017	GLASSMAN NON-CRUSHING GASTROINTESTINAL CLAMP 9" ANGLED
2		INTESTINAL CLAMP
1	21-3002	LARGE STERILIZING TRAY
1	32-3347	CODMAN INSTRUMENT HOLDER 7⅞" X 3⅞"

Mastectomy Extras

SUGG	PRODUCT CODE	DESCRIPTION
6	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED
6	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED
12	33-5005	BACKHAUS TOWEL CLAMP 5½"
12	19-4004	ADAIR BREAST CLAMP
2	30-4500	LAHEY GALL DUCT FORCEP LONGITUDINAL SERRATIONS
2	50-4222CO	VOLKMANN RETRACTOR 4 PRONG SHARP
2	50-4246	ISRAEL RETRACTOR
1	21-3000	SMALL STERILIZING CASE
1	32-3347	CODMAN INSTRUMENT HOLDER 7⅞" X 3⅞"

Minor Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
1	36-5061	MAYO SCISSOR 6¾" CURVED
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
1	36-5034	METZENBAUM SCISSOR 9" CURVED
2	11-5530	#3 KNIFE HANDLE
4	33-5005	BACKHAUS TOWEL CLAMP 5½"
2	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED

GENERAL TRAYS

4	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED	4	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"
4	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED	2	33-7020	BABCOCK TISSUE FORCEP 6¼"
2	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6¼"	2	30-4500	LAHEY GALL DUCT FORCEP LONGITUDINAL SERRATIONS MIXTER THORACIC CLAMP FORCEPS 9"
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"	2	19-8145	SCHNIDT HEMOSTATIC FORCEP SLIGHTLY CURVED
2	33-7020	BABCOCK TISSUE FORCEP 6¼"	2	30-4291	#3 KNIFE HANDLE
2	19-5580	GEMINI HEMOSTATIC FORCEP 7"	2	11-5530	#7 KNIFE HANDLE
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT	1	11-5534	#3 LONG KNIFE HANDLE
2	36-1015	HALSEY NEEDLE HOLDER 5" SERRATED JAW	1	11-5535	BACKHAUS TOWEL CLAMP 5½"
2	36-2000	CRILE-WOOD NEEDLE HOLDER 6"	2	33-5005	SPONGE HOLDING FORCEP 9" STRAIGHT
2	36-2001	CRILE-WOOD NEEDLE HOLDER 7"	2	33-6030	MAYO-HEGAR NEEDLE HOLDER 6"
2	30-4153	TISSUE FORCEP 1X2 TEETH 6"	2	36-2016	MAYO-HEGAR NEEDLE HOLDER 7"
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH	2	36-2017	MAYO-HEGAR NEEDLE HOLDER 8"
1	37-1010	DEBAKEY VASCULAR TISSUE FORCEPS 6"	1	36-2018	SAROT NEEDLE HOLDER 10"
2	50-4260	SENN RETRACTOR SHARP	2	36-3021	TISSUE FORCEP 1X2 TEETH 6"
1	50-4071	US ARMY RETRACTORS	2	30-4153	DRESSING FORCEPS SERRATED 10"
2	50-1020	CUSHING VEIN RETRACTOR 9"	1	30-4138	ADSON TISSUE FORCEP 1X2 TEETH
2	50-4222CO	VOLKMANN RETRACTOR 4 PRONG SHARP	2	30-1186	FERRIS SMITH TISSUE FORCEP 2X3 TEETH 6¾"
1	50-4120	RICHARDSON RETRACTOR ¾" X 1"	1	30-1132	DEBAKEY VASCULAR TISSUE FORCEPS 7¾"
1	50-4121	RICHARDSON RETRACTOR 1" X 1¼"	1	37-1011	DEBAKEY VASUCULAR TISSUE FORCEPS 9½"
1	50-4122	RICHARDSON RETRACTOR 1½" X 1¾"	1	70-4001	POOL SUCTION TUBE 30FR
1	50-1195	WEITLANER RETRACTOR BLUNT 5½"	1	70-4026	YANKAUER SUCTION TUBE 10¾"
1	50-1197	WEITLANER RETRACTOR BLUNT 6½"	2	50-1020	CUSHING VEIN RETRACTOR 9"
1	21-3002	LARGE STERILIZING TRAY	1	50-4303	DEAVER RETRACTOR 1" X 12"
1	32-3347	CODMAN INSTRUMENT HOLDER 7⅞" X 3⅛"	1	50-4306	DEAVER RETRACTOR 1½" X 12"
			1	50-4121	RICHARDSON RETRACTOR 1" X 1¼"
			1	50-4122	RICHARDSON RETRACTOR 1½" X 1¾"
			1	50-4111	KELLY RETRACTOR 2" X 2½"
			1	50-4112	KELLY RETRACTOR 2½" X 3"
			1	50-4214	RIBBON RETRACTOR 2" X 13"
			1	21-3002	LARGE STERILIZING TRAY
			2	32-3348	CODMAN INSTRUMENT HOLDER 9⅞" X 3⅛"
Major Set			Open Bariatric Set		
SUGG	PRODUCT CODE	DESCRIPTION	SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT	1	32-3592	(MAYO) BARIATRIC SCISSORS 14" STRAIGHT
1	36-5061	MAYO SCISSOR 6¾" CURVED	1	32-3593	(MAYO) BARIATRIC SCISSORS 14" CURVED
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE	1	32-3595	(METZENBAUM) BARIATRIC SCISSORS 13⅞" CURVED
1	36-5034	METZENBAUM SCISSOR 9" CURVED	1	32-3596	CODMAN SUPER CUT BARIATRIC SCISSOR 13⅞" CURVED
2	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED	1	32-3685	(CRILE-WOOD) NEEDLE HOLDER 14"
6	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED	1	32-3686	(MAYO-HEGAR) NEEDLE HOLDER 14"
4	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED			
2	34-4091	ROCHESTER-PEAN HEMOSTATIC FORCEP 8" CURVED			
2	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6¼"			

GENERAL TRAYS

1	32-3541	BARIATRIC THUMB FORCEPS 14"
1	32-3542	BARIATRIC TISSUE FORCEPS 14" 1X2 TEETH
1	32-3543	(RUSSIAN) TISSUE FORCEP 14"
1		SINGLEY TISSUE FCPS 14
1	32-3550	(DEBAKEY) THORACIC TISSUE FORCEP 14"
2	32-3545	(BABCOCK) BARIATRIC TISSUE FORCEP 14"
2	32-3546	(GEMINI) BARIATRIC TISSUE FORCEP 14"
4	32-3547	(ALLIS-WILLAUER) FORCEP 14"
2	32-3549	(DEBAKEY-COLLIER) BARIATRIC TISSUE FORCEP 14"
2	32-3552	(HARRINGTON) BARIATRIC FORCEP 14"
2	32-3554	(ROCHESTER-PEAN) HEMOSTATIC FORCEP 14"
2	32-3540	CODMAN SPONGE FORCEP 14"
2	32-3634	(CUSHING) RETRACTOR 14"
1	50-4304	DEAVER RETRACTOR 1" X 13"
1		DEAVER RETRACTOR 1" X 14"
1	32-3361	CODMAN BARIATRIC SUCTION TUBE 15"
1	32-3362	(YANKAUER) SUCTION TUBE 12 ³ / ₄ "
1	21-3002	LARGE STERILIZING TRAY
1	32-3347	CODMAN INSTRUMENT HOLDER 7 ⁷ / ₈ " X 3 ¹ / ₈ "

Pediatric Laparotomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5016	METZENBAUM SCISSOR 7" CURVED
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
1	36-5051	MAYO SCISSOR 6 ³ / ₄ " STRAIGHT
1	36-5061	MAYO SCISSOR 6 ³ / ₄ " CURVED
2	11-5530	#3 KNIFE HANDLE
4	30-4473	MOSQUITO HEMOSTATIC FORCEPS 5" STRAIGHT
4	30-4474	MOSQUITO HEMOSTATIC FORCEPS 5" CURVED
4	30-4467	CRILE DELICATE HEMOSTATIC FORCEP STRAIGHT 5 ¹ / ₂ "
4	30-4462	PEAN DELICATE HEMOSTATIC FORCEP, CURVED 5 ¹ / ₂ "
2	30-4066	ROCHESTER-OCHSNER HEMOSTATIC FORCEPS 1X2 TEETH 9"
2	30-4466	ALLIS DELICATE TISSUE FORCEP 5X6 TEETH 5"
2	30-4465	BABCOCK TISSUE FORCEPS 5 ³ / ₄ " DELICATE
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"
2	16-102	BABY ALLEN CLAMP
2	30-4485	MIXTER DELICATE HEMOSTATIC FORCEPS, RIGHT ANGLE 5 ¹ / ₄ "

2	30-4494	DELICATE RIGHT ANGLE CLAMP 7"
4	33-5000	BACKHAUS TOWEL CLAMPS 3 ¹ / ₂ "
2	32-6010	SPONGE HOLDING FORCEP 7"
2	36-1015	HALSEY NEEDLE HOLDER 5" SERRATED JAW
2	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
2	36-3010	MICROVASCULAR NEEDLE HOLDER 7"
1	30-1185	ADSON DRESSING FORCEP 5" TIP 1.2MM
1	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	30-1170	SEMKEN TISSUE FORCEPS 1X2 TEETH 5"
1	30-4135	DRESSING FORCEP SERRATED 6"
1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
1	37-1010	DEBAKEY VASCULAR TISSUE FORCEP 6"
1	61-5505	BENSON PYLORUS SPREADER
1	50-4071	US ARMY RETRACTORS
2	50-1020	CUSHING VEIN RETRACTOR 9"
1	50-5629	DEAVER RETRACTOR 8" LENGTH
1	50-4120	RICHARDSON RETRACTOR 3 ³ / ₄ " X 1"
1	50-5647	WEITLANER RETRACTOR BLUNT
1	50-5651	BALFOUR ABDOMINAL RETRACTOR MINIATURE MODEL
2	18-110	DESMARRES RETRACTOR SIZE 1 11MM
2	18-116	DESMARRES RETRACTOR SIZE 4 17MM
1	21-3002	LARGE STERILIZING TRAY
1	32-3348	CODMAN INSTRUMENT HOLDER 9 ⁷ / ₈ " X 3 ¹ / ₈ "

Rectal Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6 ³ / ₄ " STRAIGHT
1	36-5061	MAYO SCISSOR 6 ³ / ₄ " CURVED
1	36-5016	METZENBAUM SCISSOR 7" CURVED
4	30-4095	PRATT T-SHAPED TISSUE GRASPING FORCEPS
2	19-4000	PENNINGTON TISSUE GRASPING FORCEP 6"
2	34-4000	HALSTED MOSQUITO FORCEP 5" STRAIGHT
2	34-4021	KELLY HEMOSTATIC FORCEP CURVED
1	11-5530	#3 KNIFE HANDLE
4	33-5005	BACKHAUS TOWEL CLAMP 5 ¹ / ₂ "
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"
1	36-2017	MAYO-HEGAR NEEDLE HOLDER 7"
1	30-4137	DRESSING FORCEP 8"
1	30-4155	TISSUE FORCEP 8"
2	33-7001	ALLIS TISSUE FORCEPS 6" 5X6 TEETH

GENERAL TRAYS

1	49-4035	PROBE WITH EYE 8"
1	50-5668	HILL-FERGUSON RECTAL RETRACTOR 7/8" X 2 7/16"
1	50-5669	HILL-FERGUSON RECTAL RETRACTOR 1 3/16" X 2 7/8"
1	50-5671	SAWYER RECTAL RETRACTOR
1	79-5550	PRATT RECTAL SPECULUM
1	79-5546	SIMS RECTAL SPECULUM
1	19-5515	BUIE PILE CLAMP
1	28-130	STEWART CRYPT HOOK LONG STYLE
1	28-108	PRATT RECTAL PROBE
1	21-3002	LARGE STERILIZING TRAY
1	32-3346	CODMAN INSTRUMENT HOLDER 5 7/8" X 3 1/8"

Thyroidectomy

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6 3/4" STRAIGHT
1	36-5061	MAYO SCISSOR 6 3/4" CURVED
1	36-5016	METZENBAUM SCISSOR 7" CURVED
4	30-4468	CRILE DELICATE HEMOSTATIC FORCEP CURVED 5 1/2"
4	30-4462	PEAN DELICATE HEMOSTATIC FORCEP, CURVED 5 1/2"
4	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
4	32-4100	KOCHER HEMOSTATIC FORCEP 1X2 TEETH STRAIGHT
4	33-7001	ALLIS TISSUE FORCEPS 6" 5X6 TEETH
2	30-4494	DELICATE RIGHT ANGLE CLAMP 7"
4	30-4088	LAHEY THYROID TENACULUM FORCEPS
4	33-5000	BACKHAUS TOWEL CLAMPS 3 1/2"
2	11-5530	#3 KNIFE HANDLE
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
2	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"
1	30-4135	DRESSING FORCEP SERRATED 6"
1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH

1	37-1010	DEBAKEY VASCULAR TISSUE FORCEPS 6"
2	50-4297	GREENE THYROID RETRACTOR
2	50-4040C	LAHEY THYROID RETRACTOR
1	50-1197	WEITLANER RETRACTOR BLUNT 6 1/2"
1	50-1165	BECKMAN THYROID RETRACTOR
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3348	CODMAN INSTRUMENT HOLDER 9 7/8" X 3 1/8"

Xlong Instrument Set

SUGG	PRODUCT CODE	DESCRIPTION
1	32-3596	CODMAN SUPER CUT BARIATRIC SCISSOR 13 7/8" CURVED
1	32-3686	(MAYO-HEGAR) NEEDLE HOLDER 14"

GENITO-URINARY TRAYS

1	32-3541	BARIATRIC THUMB FORCEPS 14"
1	32-3542	BARIATRIC TISSUE FORCEPS 14" 1X2 TEETH
1	32-3543	(RUSSIAN) TISSUE FORCEP 14"
1	32-3550	(DEBAKEY) THORACIC TISSUE FORCEP 14"
2	32-3546	(GEMINI) BARIATRIC TISSUE FORCEP 14"
2	32-3547	(ALLIS-WILLAUER) FORCEP 14"
2	32-3549	(DEBAKEY-COLLIER) BARIATRIC TISSUE FORCEP 14"
1	21-3001	MEDIUM STERILIZING TRAY

Circumcision (ADULT) Set

SUGG	PRODUCT CODE	DESCRIPTION
1	54-4029	OPERATING SCISSOR 5½"
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
1	36-5016	METZENBAUM SCISSOR 7" CURVED
1	11-5530	#3 KNIFE HANDLE
2	34-4000	HALSTED MOSQUITO FORCEP 5" STRAIGHT
2	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	36-1015	HALSEY NEEDLE HOLDER 5" SERRATED JAW
1	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
1	30-4135	DRESSING FORCEP SERRATED 6"
1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
1	30-1185	ADSON DRESSING FORCEP 5" TIP 1.2MM
1	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	49-4032	PROBE WITH EYE 5½"
1	21-3000	SMALL STERILIZING CASE

Espispiadias Repair Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
1	36-5016	METZENBAUM SCISSOR 7" CURVED
1	36-5005	STRABISMUS SCISSOR STRAIGHT
1	36-5006	STRABISMUS SCISSOR CURVED
2	11-5530	#3 KNIFE HANDLE
4	34-4000	HALSTED MOSQUITO FORCEP 5" STRAIGHT
6	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
2	32-4100	KOCHER HEMOSTATIC FORCEP 1X2 TEETH STRAIGHT
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"

4	33-5000	BACKHAUS TOWEL CLAMPS 3½"
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
2	36-1015	HALSEY NEEDLE HOLDER 5" SERRATED JAW
1	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
2	30-1185	ADSON DRESSING FORCEP 5" TIP 1.2MM
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
2	50-4260	SENN RETRACTOR SHARP
2	50-1020	CUSHING VEIN RETRACTOR 9"
1	70-1089	FRAZIER SUCTION TUBE ANGULAR 11FR
1	21-3000	SMALL STERILIZING CASE
1	32-3346	CODMAN INSTRUMENT HOLDER 5⅞" X 3⅞"

Kidney Set

SUGG	PRODUCT CODE	DESCRIPTION
1	54-8036	DEBAKEY VASULAR SCISSOR 45DEG ANGLE
1	30-4510	RANDALL KIDNEY STONE FORCEP QUARTER CURVED
1	30-4511	RANDALL KIDNEY STONE FORCEP HALF CURVED
1	30-4512	RANDALL KIDNEY STONE FORCEP THREE-QUARTER CURVED
1	30-4513	RANDALL KIDNEY STONE FORCEP FULL CURVED
2	29-302	STILLE VESSEL CLAMP 9"
2	19-4018	MAYO (GUYON) KIDNEY CLAMP
2	29-280	WERTHEIM PEDICLE CLAMP 9¾"
1	21-3002	LARGE STERILIZING TRAY

Perineal Prostatectomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	11-5530	#3 KNIFE HANDLE
1	36-5071	NELSON SCISSORS 11" CURVED DELICATE
2	30-4700	BRIDGE INTESTINAL FORCEP, CURVED
2	30-4291	SCHNIDT HEMOSTATIC FORCEP SLIGHTLY CURVED
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"
2	30-8085	WILLAUER-ALLIS THORACIC TISSUE FORCEP 10"
2	19-5583	GEMINI HEMOSTATIC FORCEP 11"
1	36-2018	MAYO-HEGAR NEEDLE HOLDER 8"
1	37-1012	DEBAKEY VASUCULAR TISSUE FORCEPS 9½"
1	30-4155	TISSUE FORCEP 8"
1	30-4137	DRESSING FORCEP 8"
1	30-8112	MAYO-RUSSIAN TISSUE FORCEPS
1	11-219	PEDIATRIC DEEVER ¾" X 7"

GENITO-URINARY TRAYS

1	50-4303	DEAVER RETRACTOR 1X12
1		YOUNG PROSTATIC RETR
2	50-5541	JACKSON VAGINAL RETRACTOR 1½" X 3½"
2	50-5570	HEANEY-SIMON HYSTERECTOMY RETRACTOR
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3346	CODMAN INSTRUMENT HOLDER 5⅞" X 3⅛"

Urology Extras Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5052	MAYO DISSECTING SCISSOR 9" STRAIGHT
1	36-5062	MAYO DISSECTING SCISSOR 9" CURVED
1	36-5017	METZENBAUM SCISSOR 9" CURVED
1	11-5535	#3 LONG KNIFE HANDLE
2	36-2019	MAYO-HEGAR NEEDLE HOLDER 10"
1	30-4138	DRESSING FORCEPS SERRATED 10"
4	34-4041	CRILE HEMOSTATIC FORCEP 6¼" CURVED
4	33-7010	ALLIS TISSUE FORCEP 5X6 TEETH 7¼"
4	34-4091	ROCHESTER-PEAN HEMOSTATIC FORCEP 8" CURVED
2	34-4130	ROCHESTER OCHSNER FORCEPS 8" STRAIGHT
2	19-4056	ALLEN INTESTINAL ANASTOMOSIS CLAMP
2	30-4305	DOYEN INTESTINAL FORCEP STRAIGHT
2	19-8145	MIXTER THORACIC CLAMP FORCEPS 9"

2	19-4018	MAYO (GUYON) KIDNEY CLAMP
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3347	CODMAN INSTRUMENT HOLDER 7⅞" X 3⅛"

Vasectomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5015	METZENBAUM DISSECTING SCISSORS 5¾" CURVED
1	11-5530	#3 KNIFE HANDLE
2	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
1	34-4030	CRILE HEMOSTATIC FORCEP 5½" STRAIGHT
1	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"
4	33-5000	BACKHAUS TOWEL CLAMPS 3½"
1	30-4214	ADSON DRESSING FORCEP DELICATE
1	30-4218	ADSON TISSUE FORCEP DELICATE 1X2 TEETH
1	Oct-72	GROOVED DIRECTOR 5½"
2	38-6642	JOSEPH NASAL HOOK SINGLE PRONG
1	21-3002	LARGE STERILIZING TRAY

NEURO TRAYS

Burr Hole Set

SUGG	PRODUCT CODE	DESCRIPTION
1	75-1004	GIGLI TWISTED WIRE SAW 20"
1	11-1015	GIGLI SAW HANDLES LOOP
1	14-1020	BAILEY GIGLI SAW GUIDES
1	70-1089	FRAZIER SUCTION TUBE ANGULAR 11FR
1	26-1041	HUDSON BRACE
1	15-1005	HUDSON BURR $\frac{3}{8}$ "
1	15-1006	HUDSON BURR $\frac{9}{16}$ "
1	15-1007	HUDSON BURR $\frac{5}{8}$ "
1	15-1008	HUDSON BURR $\frac{7}{8}$ "
1	80-1002	HUDSON CEREBELLAR EXTENSION
1	26-1004	MCKENZIE PERFORATOR DRILL
1	14-1000	ADSON DRILL GUIDE AND DURA PROTECTOR
1	21-3000	SMALL STERILIZING CASE

Cervical Laminectomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	54-4013	LISTER BANDAGE SCISSOR 7 $\frac{1}{4}$ "
1	36-5051	MAYO SCISSOR 6 $\frac{3}{4}$ " STRAIGHT
1	36-5061	MAYO SCISSOR 6 $\frac{3}{4}$ " CURVED
1	54-5571	DELICATE LAHEY SCISSORS CURVED 5 $\frac{3}{4}$ "
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE
6	33-5005	BACKHAUS TOWEL CLAMP 5 $\frac{1}{2}$ "
2	11-5530	#3 KNIFE HANDLE
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
4	32-6010	SPONGE HOLDING FORCEP 7"
2	34-4031	CRILE HEMOSTATIC FORCEP 5 $\frac{1}{2}$ " CURVED
2	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6 $\frac{1}{4}$ " CURVED
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"
2	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6 $\frac{1}{4}$ "
2	30-4291	SCHNIDT HEMOSTATIC FORCEP SLIGHTLY CURVED
1	30-4492	GEMINI HEMOSTATIC FORCEP DELICATE 80DEG ANGLE
2	36-3002	RYDER NEEDLE HOLDER TIP SIZE 1.5MM 7"
2	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
2	36-1015	HALSEY NEEDLE HOLDER 5" SERRATED JAW
1	30-1150	CUSHING DRESSING FORCEP TIP WIDTH 1.5MM 7"
1	30-1140	CUSHING TISSUE FORCEP TIP WIDTH 1.5MM 7"
1	30-1156	CUSHING DRESSING FORCEP BAYONET 7 $\frac{3}{4}$ "

1	30-1147	CUSHING TISSUE FORCEP 1X2 TEETH 7 $\frac{3}{4}$ "
1	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	53-1512	CERVICAL KERRISON RONGEUR 2MM 40DEG UP 7"
1	53-1515	CERVICAL KERRISON RONGEUR 3MM 40DEG UP 7"
1	53-1521	CERVICAL KERRISON RONGEUR 5MM 40DEG UP 7"
1	53-1230	CUSHING IVD RONGEUR 7" STRAIGHT
1	53-1232	CUSHING IVD RONGEUR 7" CURVED UP
1	53-1233	CUSHING IVD RONGEUR 7" CURVED DOWN
1	80-1654	WILLIAMS DISSECTOMY FORCEPS
1	53-1255	PEAPOD IVD RONGEUR CURVED
1	30-1228	LIGAMENTA FLAVA FORCEPS CURVED ON SIDE
1	38-1080	DANDY NERVE HOOK STRAIGHT BLUNT
1	65-1015	PENFIELD DISSECTOR BROAD CURVED
1	65-1016	PENFIELD DISSECTOR SLIGHTLY CURVED
1	65-1017	PENFIELD DISSECTOR FULL CURVED AND WAX PACKER
1	65-1018	PENFIELD DISSECTOR SLIGHTLY CURVED LIGHT
1	65-6620	FREER SEPTUM ELEVATOR
1	23-1041	SPINAL FUSION CURETTE 8" 000
1	23-1042	SPINAL FUSION CURETTE 8" 00
1	23-1043	SPINAL FUSION CURETTE 8" 0
1	23-1044	SPINAL FUSION CURETTE 8" 1
1	53-1127	CODMAN LEKSELL LAMINECTOMY RONGEUR REGULAR CURVE NARROW JAW
1	70-1088	FRAZIER SUCTION TUBE ANGULAR 7 $\frac{1}{2}$ " 9FR
1	18-660	STEEL RULER 6"
2	50-4260	SENN RETRACTOR SHARP
1	50-4071	US ARMY RETRACTORS
2	50-1196	WEITLANER RETRACTOR SHARP 6 $\frac{1}{2}$ "
2	50-1181	ADSON CEREBELLAR RETRACTOR 4X4 SHARP PRONGS ANGULAR SHAFT
1	61-2516	INGE LAMINA SPREADERS
1	50-1050	CODMAN BLADE RETRACTOR 18MM
1	50-1052	CODMAN BLADE RETRACTOR 20MM
1	50-1053	CODMAN BLADE RETRACTOR 23MM
1	50-1390	CODMAN CERVICAL RETRACTOR SET

NEURO TRAYS

1	21-3002	LARGE STERILIZING TRAY	1	30-1186	ADSON TISSUE FORCEP 1X2
1	32-3347	CODMAN INSTRUMENT HOLDER 7 ⁷ / ₈ " X 3 ¹ / ₈ "			TEETH
Craniotomy Set			1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
SUGG	PRODUCT CODE	DESCRIPTION	1	30-1214	GERALD DRESSING FORCEP
2	11-5530	#3 KNIFE HANDLE	1	30-1210	GERALD TISSUE FORCEPS 1X2 TEETH
1	11-5534	#7 KNIFE HANDLE	1	30-1150	CUSHING DRESSING FORCEP TIP WIDTH 1.5MM 7"
4	33-5005	BACKHAUS TOWEL CLAMP 5 ¹ / ₂ "	1	30-1140	CUSHING TISSUE FORCEP TIP WIDTH 1.5MM 7"
4	33-5000	BACKHAUS TOWEL CLAMPS 3 ¹ / ₂ "	1	30-1147	CUSHING TISSUE FORCEP 1X2 TEETH 7 ³ / ₄ "
4	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED	1	30-1000	ADSON HYPOPHYSEAL FORCEPS BAYONET
2	34-4031	CRILE HEMOSTATIC FORCEP 5 ¹ / ₂ " CURVED	1	59-1080	DAVIS BRAIN SPATULA 1 ¹ / ₄ "
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"	1	59-1081	DAVIS BRAIN SPATULA 3 ³ / ₈ "
2	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6 ¹ / ₄ "	1	59-1082	DAVIS BRAIN SPATULA 1 ¹ / ₂ "
16	32-4160	DANDY SCALP HEMOSTATIC FORCEP CURVED ON ONE SIDE SERR	1	59-1084	DAVIS BRAIN SPATULA 3 ³ / ₄ "
2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"	1	59-1087	DAVIS BRAIN SPATULA 1 ¹ / ₂ "
2	36-3012	RYDER NEEDLE HOLDER 7"	1	23-1043	SPINAL FUSION CURETTE 8" NO. 0
1	36-5033	METZENBAUM DISSECTING SCISSOR 7" CURVED BLUNT/BLUNT	1	23-1044	SPINAL FUSION CURETTE 8" NO. 1
1	32-3594	(METZENBAUM) SCISSOR 12 ¹ / ₄ "	1	23-1045	SPINAL FUSION CURETTE 8" NO. 2
1	36-5051	MAYO SCISSOR 6 ³ / ₄ " STRAIGHT	1	50-1020	CUSHING VEIN RETRACTOR 9"
1	36-5061	MAYO SCISSOR 6 ³ / ₄ " CURVED	1	53-1095	ZAUFAL-JANSEN RONGEUR DOUBLE ACTION CURVED
1	54-1055	FRAZIER DURAL SCISSORS	1	53-1125	CODMAN LEKSELL LAMINECTOMY RONGEUR REGULAR CURVE
1	54-4013	LISTER BANDAGE SCISSOR 7 ¹ / ₄ "	1	80-1340	HARDY SELLA PUNCH 40DEG UP 2MM BITE
1	36-5080	WIRE SUTURE SCISSORS 4 ³ / ₄ "	1	53-1402	CODMAN LUMBAR KERRISON RONGEUR 3MM 40DEG UP 7"
2	70-1088	FRAZIER SUCTION TUBE ANGULAR 7 ¹ / ₂ " 9FR	2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
2	70-1089	FRAZIER SUCTION TUBE ANGULAR 11FR	1	18-660	STEEL RULER 6"
1	59-1000	WOODSON ELEVATOR AND SPATULA	1	50-1226	JANSEN SCALP RETRACTOR
1	65-1015	PENFIELD DISSECTOR BROAD CURVED	1	50-1220	CONTOUR SCALP RETRACTOR
1	65-1016	PENFIELD DISSECTOR SLIGHTLY CURVED	1	65-1115	LANGENBECK PERIOSTEAL ELEVATOR NARROW
1	65-1017	PENFIELD DISSECTOR FULL CURVED AND WAX PACKER	1	65-1116	LANGENBECK PERIOSTEAL ELEVATOR WIDE
1	65-1018	PENFIELD DISSECTOR SLIGHTLY CURVED LIGHT	1	21-3002	LARGE STERILIZING TRAY
1	65-1019	PENFIELD DISSECTOR SLIGHTLY CURVED DOUBLE ENDED	1	32-3347	CODMAN INSTRUMENT HOLDER 7 ⁷ / ₈ " X 3 ¹ / ₈ "
1	38-1080	DANDY NERVE HOOK STRAIGHT BLUNT			
1	65-6620	FREER SEPTUM ELEVATOR			
1	65-1100	FRAZIER DURAL SEPARATOR			
1	38-1028	CUSHING DURAL HOOK SHARP			
1	65-1075	CUSHING PERIOSTEAL ELEVATOR ROUNDED EDGE			

NEURO TRAYS

Lumbar Laminectomy Set

SUGG	PRODUCT CODE	DESCRIPTION			
2	11-5530	#3 KNIFE HANDLE	1	53-1237	LOVE-GRUENWALD IVD RONGEUR 7" CURVED DOWN
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT	1	53-1040	ADSON CRANIAL RONGEUR STRAIGHT
1	36-5061	MAYO SCISSOR 6¾" CURVED	1	53-1118	STILLE-LUER RONGEUR ANGULAR FLAT LOWER JAW 9½"
1	54-4013	LISTER BANDAGE SCISSOR 7¼"	1	30-1228	LIGAMENTA FLAVA FORCEPS CURVED ON SIDE
1	32-3577	SUPER CUT METZENBAUM SCISSOR 5¾"	1	65-1115	LANGENBECK PERIOSTEAL ELEVATOR NARROW
1	36-5032	METZENBAUM SCISSOR 7" CURVED DELICATE	1	65-1116	LANGENBECK PERIOSTEAL ELEVATOR WIDE
4	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED	1	38-1080	DANDY NERVE HOOK STRAIGHT BLUNT
2	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED	1	65-1015	PENFIELD DISSECTOR BROAD CURVED
4	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6¼"	1	65-1016	PENFIELD DISSECTOR SLIGHTLY CURVED
2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"	1	65-1017	PENFIELD DISSECTOR FULL CURVED AND WAX PACKER
2	30-4291	SCHNIDT HEMOSTATIC FORCEP SLIGHTLY CURVED	1	65-1018	PENFIELD DISSECTOR SLIGHTLY CURVED LIGHT
2	36-2017	MAYO-HEGAR NEEDLE HOLDER 7"	1	65-1002	HOEN PERIOSTEAL ELEVATOR NO. 2
2	36-3015	RYDER NEEDLE HOLDER 8"	1	65-1104	DORSEY DURAL SEPARATOR
6	33-5005	BACKHAUS TOWEL CLAMP 5½"	1	65-6620	FREER SEPTUM ELEVATOR
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT	1	59-1000	WOODSON ELEVATOR AND SPATULA
1	30-1150	CUSHING DRESSING FORCEP TIP WIDTH 1.5MM 7"	1	65-1075	CUSHING PERIOSTEAL ELEVATOR ROUNDED EDGE
1	30-1140	CUSHING TISSUE FORCEP TIP WIDTH 1.5MM 7"	1	50-1315	LOVE NERVE ROOT RETRACTOR STRAIGHT
1	30-1156	CUSHING DRESSING FORCEP BAYONET 7¾"	1	50-1317	LOVE NERVE ROOT RETRACTOR 135DEG ANGLE
1	30-1147	CUSHING TISSUE FORCEP 1X2 TEETH 7¾"	1	70-1087	FRAZIER SUCTION TUBE ANGULAR 7½" 7FR
1	30-1186	ADSON TISSUE FORCEP 1X2 TEETH	1	19-573	FRAZIER FERGUSON SUCTION TUBE 8FR
1	23-1044	SPINAL FUSION CURETTE 8" 1	1	70-1088	FRAZIER SUCTION TUBE ANGULAR 7½" 9FR
1	23-1045	SPINAL FUSION CURETTE 8" 2	1	19-575	FRAZIER FERGUSON SUCTION TUBE 10FR
1	23-1046	SPINAL FUSION CURETTE 8" 3	1	50-1198	WEITLANER RETRACTOR SHARP
1	23-1054	SPINAL FUSION CURETTE 8" 1 ANGULAR	1	50-1161	BECKMAN-ADSON LAMINECTOMY RETRACTOR FOUR PRONG SHARP
1	23-1055	SPINAL FUSION CURETTE 8" 2 ANGULAR	1	61-2515	INGE LAMINA SPREADER 9½"
1	23-1056	SPINAL FUSION CURETTE 8" 3 ANGULAR	1	61-1026	CODMAN LUMBAR LAMINA SPREADER #2
1	231130C	EPSTEIN CURETTES 8" 000	1		DISCECTOMY RETR 6CMX1CMLFT
1	231131C	EPSTEIN CURETTES 8" 00	1	80-1655	WILLIAMS MICROLUMBAR DISCECTOMY SUCTION TUBE
1	231132C	EPSTEIN CURETTES 8" 0	1	50-1085	TAYLOR SPINAL RETRACTOR 3"
1	53-1524	CERVICAL KERRISON RONGEUR 8" 2MM 40DEG UP	1	50-1086	TAYLOR SPINAL RETRACTOR 4" DISCECTOMY RETR 6CMX2CM LEFT
1	53-1414	CODMAN LUMBAR KERRISON RONGEUR 8" 3MM 40DEG UP	1	80-1653	WILLIAMS MICROLUMBAR DISCECTOMY RETRACTOR
1	53-1420	CODMAN LUMBAR KERRISON RONGEUR 8" 5MM 40DEG UP	1	18-660	STEEL RULER 6"
1	53-1235	LOVE-GRUENWALD IVD RONGEUR 7" STRAIGHT	1	21-3002	LARGE STERILIZING TRAY
1	53-1236	LOVE-GRUENWALD IVD RONGEUR 7" CURVED UP			

1 **32-3347** CODMAN INSTRUMENT HOLDER
7⁷/₈" X 3¹/₈"

Micro Neurosurgery Set

SUGG	PRODUCT CODE	DESCRIPTION
1	80-1731	RHOTON DURAL FORCEPS TITANIUM 7"
1	30-6530	IRIS TISSUE FORCEP 1X2 TEETH STRAIGHT
1	80-2005	MICRO SCISSOR 5 ¹ / ₂ " STRAIGHT
1	80-2006	MICRO SCISSOR 5 ¹ / ₂ " CURVED
1	80-2015	MICRO SCISSOR 7" STRAIGHT
1	80-2016	MICRO SCISSOR 7" CURVED
1	80-1722	RHOTON SCISSORS TITANIUM 8 ¹ / ₂ " STRAIGHT
1	80-1723	RHOTON SCISSORS TITANIUM 8 ¹ / ₂ " CURVED
1	80-1510	MALIS NEEDLE HOLDER 6 ³ / ₄ " .5MM
1	80-1511	MALIS NEEDLE HOLDER 6 ³ / ₄ " .5MM
1	80-2012	MICRO NEEDLE HOLDER 7" STRAIGHT
1	80-2013	MICRO NEEDLE HOLDER 7" CURVED
1	80-1522	MALIS SCISSORS, TITANIUM, STRAIGHT, BAYONET
1	80-1523	MALIS SCISSORS, TITANIUM, CURVED UP, BAYONET
1	80-1524	MALIS SCISSORS, TITANIUM STRAIGHT FINE TIP
1	80-1905	SPETZLER NEURO-VASCULAR FORCEP STRAIGHT
1	80-1906	SPETZLER NEURO-VASCULAR FORCEP ANGLED TIP
1	53-4000	DECKER RONGEUR STRAIGHT
1	54-5604	DECKER MICROSURGICAL SCISSORS STRAIGHT
1	32-3701	(BARON) SUCTION TUBE 3FR
1	32-3715	(BARON) SUCTION TUBE 5FR
1	32-3716	(BARON) SUCTION TUBE 7FR
1	21-3001	MEDIUM STERILIZING TRAY

Abdominal Hysterectomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6 ³ / ₄ " STRAIGHT
1	36-5061	MAYO SCISSOR 6 ³ / ₄ " CURVED
1	36-5016	METZENBAUM SCISSOR 7" CURVED
1	36-5052	MAYO DISSECTING SCISSOR 9" STRAIGHT
1	36-5062	MAYO DISSECTING SCISSOR 9" CURVED
1	32-3578	CODMAN (JORGENSEN) DISSECTING SCISSORS 8 ¹ / ₂ " CURVED
1	30-2101TC	PARAMETRIUM SCS 9 SLCVD
1	30-2102TC	PARAMETRIUM SCS 9 CVD
1	30-2103TC	PARAMETRIUM SCS 9 FULL CVD
1	11-5530	#3 KNIFE HANDLE

1	11-5535	#3 LONG KNIFE HANDLE
2	36-2017	MAYO-HEGAR NEEDLE HOLDER 7"
2	36-2018	MAYO-HEGAR NEEDLE HOLDER 8"
2	36-2019	MAYO-HEGAR NEEDLE HOLDER 10"
2	36-4010	HEANEY NEEDLE HOLDER 8 ¹ / ₄ " CURVED TIP
2	30-1185	ADSON DRESSING FORCEP 5" TIP 1.2MM
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	30-4135	DRESSING FORCEP SERRATED 6"
1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
1	30-4138	DRESSING FORCEPS SERRATED 10"
1	30-4156	TISSUE FORCEPS 10" 1X2 TEETH
1	30-4221	RUSSIAN TISSUE FORCEPS 8"
1	30-4222	RUSSIAN TISSUE FORCEP 10"
1	37-1012	DEBAKEY VASUCULAR TISSUE FORCEPS 9 ¹ / ₂ "
6	34-4031	CRILE HEMOSTATIC FORCEP 5 ¹ / ₂ " CURVED
4	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6 ¹ / ₄ " CURVED
2	34-4091	ROCHESTER-PEAN HEMOSTATIC FORCEP 8" CURVED
2	34-4130	ROCHESTER OCHSNER FORCEPS 8" STRAIGHT
2	32-4131	ROCHESTER OCHSNER FORCEPS 8" CURVED
2	33-7010	ALLIS TISSUE FORCEP 5X6 TEETH 7 ¹ / ₄ "
2	33-7025	BABCOCK TISSUE FORCEP 7 ³ / ₄ "
2	30-4502	LAHEY GALL DUCT FORCEPS 8 ³ / ₄ "
4	33-5005	BACKHAUS TOWEL CLAMP 5 ¹ / ₂ "
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	30-5580	SCHROEDER UTERINE TENACULUM FORCEPS
2	30-1900	Z HYST FORCEPS STR 8 ¹ / ₄ "
2	30-1901	Z HYST FORCEPS SLCVD 8 ¹ / ₄ "
2	30-1902	Z HYST FORCEPS CVD 8 ¹ / ₄ "
2	30-1903	Z HYST FORCEPS ANG 8 ¹ / ₄ "
2	30-1904	Z HYST FORCEPS STR 9 ¹ / ₂ "
2	30-1905	Z HYST FORCEPS SLCVD 9 ¹ / ₂ "
2	30-1906	Z HYST FORCEPS CVD 9 ¹ / ₂ "
2	30-1907	Z HYST FORCEPS ANG 9 ¹ / ₂ "
1	50-4071	US ARMY RETRACTORS
1	504135C	RICHARDSON-EASTMAN RETRACTORS
1	50-4210	RIBBON RETRACTOR 1" X 13"
1	50-4212	RIBBON RETRACTOR 1 ¹ / ₂ " X 13"
1	50-4214	RIBBON RETRACTOR 2" X 13"
1	50-4303	DEAVER RETRACTOR 1" X 12"
1	50-4307	DEAVER RETRACTOR 2" X 12"
1	50-4113	KELLY RETRACTOR XTRA LARGE
1	50-4514	BALFOUR ABDOMINAL RETRACTOR
1	70-4000	POOL SUCTION TUBE 23FR

OB-GYN TRAYS

1	70-4026	YANKAUER SUCTION TUBE 10 $\frac{3}{8}$ "
1	21-3002	LARGE STERILIZING TRAY
2	32-3348	CODMAN INSTRUMENT HOLDER 9 $\frac{7}{8}$ " X 3 $\frac{1}{8}$ "

A&P Repair Set

SUGG	PRODUCT CODE	DESCRIPTION
4	34-4041	CRILE HEMOSTATIC FORCEP 6 $\frac{1}{4}$ " CURVED
1	9-146	DESCHAMPS LIGATURE CARRIER SHARP LEFT
1	9-148	DESCHAMPS LIGATURE CARRIER SHARP RIGHT
4	33-7001	ALLIS TISSUE FORCEPS 6" 5X6 TEETH
1	30-4220	RUSSIAN TISSUE FORCEP 6"
1	30-4221	RUSSIAN TISSUE FORCEPS 8"
2	30-4088	LAHEY THYROID TENACULUM FORCEPS
1	21-3000	SMALL STERILIZING CASE

Caesarean Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6 $\frac{3}{4}$ " STRAIGHT
1	36-5061	MAYO SCISSOR 6 $\frac{3}{4}$ " CURVED
1	34-4013	LISTER BANDAGE SCISSOR 7 $\frac{1}{2}$ "
1	36-5016	METZENBAUM SCISSOR 7" CURVED
2	11-5530	#3 KNIFE HANDLE
6	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6 $\frac{1}{4}$ " CURVED
4	34-4120	ROCHESTER-OCHSNER HEMOSTATIC FORCEP 7 $\frac{1}{4}$ " STRAIGHT
4	30-4542	ALLIS-ADAIR TISSUE FORCEP 9" X 10" TEETH
2	36-2017	MAYO-HEGAR NEEDLE HOLDER 7"
2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"
1	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	30-4138	DRESSING FORCEPS SERRATED 10"
1	30-4155	TISSUE FORCEP 8"
1	30-4221	RUSSIAN TISSUE FORCEPS 8"
1	50-5575	DELEE UNIVERSAL RETRACTOR
4	33-5005	BACKHAUS TOWEL CLAMP 5 $\frac{1}{2}$ "
4	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3347	CODMAN INSTRUMENT HOLDER 7 $\frac{7}{8}$ " X 3 $\frac{1}{8}$ "

Colpotomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5052	MAYO DISSECTING SCISSOR 9" STRAIGHT

1	36-5062	MAYO DISSECTING SCISSOR 9" CURVED
1	36-5017	METZENBAUM SCISSOR 9" CURVED
1	11-5535	#3 LONG KNIFE HANDLE
2	33-4081	ROCHESTER-PEAN HEMOSTATIC FORCEP 7 $\frac{1}{4}$ " CURVED
2	33-7010	ALLIS TISSUE FORCEP 5X6TEETH 7 $\frac{1}{4}$ "
4	33-5005	BACKHAUS TOWEL CLAMP 5 $\frac{1}{2}$ "
1	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	36-2018	MAYO-HEGAR NEEDLE HOLDER 8"
1	30-4137	DRESSING FORCEP 8"
1	30-4155	TISSUE FORCEP 8"
1	37-1011	DEBAKEY VASCULAR TISSUE FORCEPS 7 $\frac{3}{4}$ "
1	30-5561	BOZEMAN UTERINE DRESSING FORCEP, CURVED
1	30-5580	SCHROEDER UTERINE TENACULUM FORCEPS
2	50-5570	HEANEY-SIMON HYSTERECTOMY RETRACTOR
1	79-5509	AUVARD VAGINAL WEIGHTED SPECULA 3 $\frac{1}{2}$ "
1	21-3001	MEDIUM STERILIZING TRAY
1	32-3347	CODMAN INSTRUMENT HOLDER 7 $\frac{7}{8}$ " X 3 $\frac{1}{8}$ "

D&C Set

SUGG	PRODUCT CODE	DESCRIPTION
1	30-4138	DRESSING FORCEPS SERRATED 10"
1	30-4156	TISSUE FORCEPS 10" 1X2 TEETH
2	33-5005	BACKHAUS TOWEL CLAMP 5 $\frac{1}{2}$ "
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	30-220	SIMS VAGINAL SPECULUM DOUBLE ENDED LARGE
1	50-5570	HEANEY-SIMON HYSTERECTOMY RETRACTOR
1	79-5509	AUVARD VAGINAL WEIGHTED SPECULA 3 $\frac{1}{2}$ "
1	25-5549	HANKS UTERINE DILATOR SET
1	58-5669	SIMPSON UTERINE SOUND
1	23-5535	SIMS UTERINE CURETTE NO. 2
1	23-5537	SIMS UTERINE CURETTE NO. 4
1	23-5538	SIMS UTERINE CURETTE NO. 5
1	23-5574	MODIFIED YOUNGE ENDOMETRIAL BIOPSY CURETTE
1	30-5640	LAUFE UTERINE POLYP FOCEP, CURVED
1	30-5580	SCHROEDER UTERINE TENACULUM FORCEPS
1	29-32-14	FEMALE CATHETER 14FR
1	21-3001	MEDIUM STERILIZING TRAY

OB GYN X-Long Set

SUGG	PRODUCT CODE	DESCRIPTION
2	32-3686	(MAYO-HEGAR) NEEDLE HOLDER 14"
1	32-3596	CODMAN SUPER CUT BARIATRIC SCISSOR 13 ⁷ / ₈ " CURVED
1	30-2109TC	PARAMETRIUM SCS 12 SLCVD
1	30-2110TC	PARAMETRIUM SCS 12 CVD
1	30-2111TC	PARAMETRIUM SCS 12 FULL CVD
2	30-4700	BRIDGE INTESTINAL FORCEP, CURVED
2	30-8092	ROCHESTER-CARMALT HEMOSTATIC FORCEP 12 ¹ / ₄ "
2	30-1908	Z HYST FCPS 12" STR
2	30-1909	Z HYST FCPS 12" SLCVD
2	30-1910	Z HYST FCPS 12" CVD
2	30-1911	Z HYST FCPS 12" ANG
2	30-1912	Z HYST FCPS 14" STR
2	30-1913	Z HYST FCPS 14" SL CVD
2	30-1914	Z HYST FCPS 14" CVD
2	30-1915	Z HYST FCPS 14 ANG
1	32-3541	BARIATRIC THUMB FORCEPS 14"
1	32-3542	BARIATRIC TISSUE FORCEPS 14" 1X2 TEETH
1	32-3543	(RUSSIAN) TISSUE FORCEP 14"
1		SINGLEY TISS FCPS 14
1	32-3361	CODMAN BARIATRIC SUCTION TUBE 15"
1	32-3362	(YANKAUER) SUCTION TUBE 12 ³ / ₄ "
1	21-3002	LARGE STERILIZING TRAY
1	32-3348	CODMAN INSTRUMENT HOLDER 9 ⁷ / ₈ " X 3 ¹ / ₈ "

Vaginal Hysterectomy Set

SUGG	PRODUCT CODE	DESCRIPTION
1	36-5051	MAYO SCISSOR 6 ³ / ₄ " STRAIGHT
1	36-5061	MAYO SCISSOR 6 ³ / ₄ " CURVED
1	36-5052	MAYO DISSECTING SCISSOR 9" STRAIGHT
1	36-5062	MAYO DISSECTING SCISSOR 9" CURVED
1	36-5017	METZENBAUM SCISSOR 9" CURVED
1	30-2101TC	PARAMETRIUM SCS 9 SLCVD
1	30-2102TC	PARAMETRIUM SCS 9 CVD
1	30-2103TC	PARAMETRIUM SCS 9 FULL CVD
2	36-4010	HEANEY NEEDLE HOLDER 8 ¹ / ₄ " CURVED TIP
2	36-2018	MAYO-HEGAR NEEDLE HOLDER 8"
1	30-4222	RUSSIAN TISSUE FORCEP 10"
1	30-4137	DRESSING FORCEP 8"
1	30-4155	TISSUE FORCEP 8"
1	11-5535	#3 LONG KNIFE HANDLE
1	4-12	#3 LONG ANGLED KNIFE HANDLE
4	30-8085	WILLAUER-ALLIS THORACIC TISSUE FORCEP 10"

1	30-5580	SCHROEDER UTERINE TENACULUM FORCEPS
2	34-4130	ROCHESTER OCHSNER FORCEPS 8" STRAIGHT
1	30-5605	JACOBS UTERINE VULSELLUM FORCEP 8 ¹ / ₄ "
1	29-32-14	FEMALE CATHETER 14FR
1	50-4316	DEAVER RETRACTOR 1" X 12"
2	50-5570	HEANEY-SIMON HYSTERECTOMY RETRACTOR
1	50-4547	MAGRINA BOOKWALTER VAGINAL RETRACTOR
1	79-5509	AUVARD VAGINAL WEIGHTED SPECULA 3 ¹ / ₂ "
1	79-5510	AUVARD VAGINAL WEIGHTED SPECULA 4"
1	30-5561	BOZEMAN UTERINE DRESSING FORCEP, CURVED
4	30-5526	HEANEY HYSTERECTOMY FORCEP HEAVY JAWS
2	30-1904	Z HYST FORCEPS STR 9 ¹ / ₂ "
2	30-1905	Z HYST FORCEPS SLCVD 9 ¹ / ₂ "
2	30-1906	Z HYST FORCEPS CVD 9 ¹ / ₂ "
2	30-1907	Z HYST FORCEPS ANG 9 ¹ / ₂ "
1	70-4026	YANKAUER SUCTION TUBE 10 ³ / ₈ "
1	21-3002	LARGE STERILIZING TRAY
1	32-3348	CODMAN INSTRUMENT HOLDER 9 ⁷ / ₈ " X 3 ¹ / ₈ "

ORTHOPEDIC TRAYS

Amputation Set

SUGG	PRODUCT CODE	DESCRIPTION
1	54-4013	LISTER BANDAGE SCISSOR 7¼"
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
1	36-5061	MAYO SCISSOR 6¾" CURVED
4	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED
6	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6¼"
1	11-5531	#4 KNIFE HANDLE
1	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"
1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
1	27-1602	LISTON AMPUTATING KNIFE
1	53-1130	STILLE-LUER RONGEUR 8½" STRAIGHT
1	30-1296	STILLE-LISTON BONE CUTTING FORCEP CURVED
1	32-3402	CODMAN CURETTE 9" 0
1	32-3405	CODMAN CURETTE 9" 3
1	65-2514	KEY PERIOSTEAL ELEVATOR 1"
1	65-1115	LANGENBECK PERIOSTEAL ELEVATOR NARROW
1	65-1116	LANGENBECK PERIOSTEAL ELEVATOR WIDE
1	11-1015	GIGLI SAW HANDLES LOOP
1	27-702	PUTTIE BONE RASP 12"
1	27-1560	SATTERLEE BONE SAW 12"
1		SWEET AMPUTATION RET
1		STEEL RULER 12"
1	21-3002	LARGE STERILIZING TRAY
1	32-3346	CODMAN INSTRUMENT HOLDER 5⅞" X 3⅛"

Hand Set

SUGG	PRODUCT CODE	DESCRIPTION
1	54-4013	LISTER BANDAGE SCISSOR 7¼"
1	32-3577	SUPER CUT METZENBAUM SCISSOR 5¾"
1	36-5016	METZENBAUM SCISSOR 7" CURVED
1	36-5000	IRIS SCISSOR STRAIGHT 4½"
1	36-5001	IRIS SCISSOR CURVED 4½"
1	32-3577	DELICATE LAHEY SCISSOR CURVED 5¾"
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
4	33-5000	BACKHAUS TOWEL CLAMPS 3½"
2	36-1015	HALSEY NEEDLE HOLDER 5" SERRATED JAW
1	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
1	30-1185	ADSON DRESSING FORCEP 5" TIP 1.2MM
1	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	30-1189	ADSON TISSUE FORCEP BROWN TYPE TEETH
1	30-6530	IRIS TISSUE FORCEP 1X2 TEETH STRAIGHT

1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
2	11-5530	#3 KNIFE HANDLE
2	34-4000	HALSTED MOSQUITO FORCEP 5" STRAIGHT
2	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
2	30-4473	MOSQUITO HEMOSTATIC FORCEPS 5" STRAIGHT
2	30-4474	MOSQUITO HEMOSTATIC FORCEPS 5" CURVED
2	30-4466	ALLIS DELICATE TISSUE FORCEP 5X6 TEETH 5"
2	32-4100	KOCHER HEMOSTATIC FORCEP 1X2 TEETH STRAIGHT
2	30-4462	PEAN DELICATE HEMOSTATIC FORCEP, CURVED 5½"
1	30-4485	MIXTER DELICATE HEMOSTATIC FORCEPS, RIGHT ANGLE 5¼"
1	30-4494	DELICATE RIGHT ANGLE CLAMP 7"
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	27-1016	MILTEX TENDON PULLING FORCEP 5"
1	56-2507	KIRSCHNER WIRE CUTTER
1	18-660	STEEL RULER 6"
1	32-3533	CODMAN TENDON PASS FORCEP 6" 8MM TIP
1	39-6500	CASTROVIEJO CALIPER
1	50-5647	WEITLANER RETRACTOR BLUNT
1	32-3602	GELPI RETRACTOR PEDIATRIC
2	50-4260	SENN RETRACTOR SHARP
2	38-6642	JOSEPH NASAL HOOK SINGLE PRONG
2	38-6646	JOSEPH NASAL HOOK DOUBLE PRONG ⅜"
2	50-1073	MEYERDING FINGER RETRACTOR D
1	32-3313	LEAD HAND ADULT
1	32-3312	LEAD HAND PEDIATRIC
2	27-213	MINI HOHMANN RETRACTOR 6¼" 6MM
1	70-1088	FRAZIER SUCTION TUBE ANGULAR 7½" 9FR
1	46-3060	STRAIGHT STILETTO OSTEOTOME SET
1	52-1005	JOSEPH PERIOSTEAL RASP
1	53-1311	RUSKIN BONE RONGEUR 7¼" 4MM X 33MM
1	30-1310	LISTON BONE CUTTING FORCEP
1	21-3002	LARGE STERILIZING TRAY
1	32-3347	CODMAN INSTRUMENT HOLDER 7⅞" X 3⅛"

Major Ortho Set

SUGG	PRODUCT CODE	DESCRIPTION
1	11-5530	#3 KNIFE HANDLE
1	11-5535	#3 LONG KNIFE HANDLE
1	54-4013	LISTER BANDAGE SCISSOR 7¼"
1	36-5051	MAYO SCISSOR 6¾" STRAIGHT

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1	36-5061	MAYO SCISSOR 6¾" CURVED	1	65-6620	FREER SEPTUM ELEVATOR
1	36-5016	METZENBAUM SCISSOR 7" CURVED	1	32-3454	CODMAN BONE TAMP 6MM
2	34-4030	CRILE HEMOSTATIC FORCEP 5½" STRAIGHT	1	32-3330	CODMAN HEATH Mallet, FLAT
4	34-4031	CRILE HEMOSTATIC FORCEP 5½" CURVED	1	27-700	PUTTI BONE RASP 10½"
2	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED	1	65-2512	KEY PERIOSTEAL ELEVATOR ½"
2	34-4120	ROCHESTER-OCHSNER HEMOSTATIC FORCEP 7¼" STRAIGHT	1	65-2513	KEY PERIOSTEAL ELEVATOR ¾"
4	33-7001	ALLIS TISSUE FORCEPS 6" 5X6 TEETH	1	65-2514	KEY PERIOSTEAL ELEVATOR 1"
2	19-5582	GEMINI HEMOSTATIC FORCEP 9"	1	32-3472	CODMAN CURETTE 9" 00
2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT	1	32-3474	CODMAN CURETTE 9" 1
4	33-5005	BACKHAUS TOWEL CLAMP 5½"	1	32-3476	CODMAN CURETTE 9" 3
2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"	1	32-3482	CODMAN CURETTE 9" 00 FORWARD ANGLE
2	36-2017	MAYO-HEGAR NEEDLE HOLDER 7"	1	32-3484	CODMAN CURETTE 9" 1 FORWARD ANGLE
2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH	1	32-3486	CODMAN CURETTE 9" 3 FORWARD ANGLE
2	30-4153	TISSUE FORCEP 1X2 TEETH 6"	1	19-575	FRAZIER-FERGUSON SUCTION TUBE 10FR
1	30-4156	TISSUE FORCEPS 10" 1X2 TEETH	1	19-577	FRAZIER-FERGUSON SUCTION TUBE 12FR
1	30-1129	BONNEY TISSUE FORCEP 1X2 TEETH 6¾"	1	21-3002	LARGE STERILIZING TRAY
1		STEEL RULER 12"	1	32-3347	CODMAN INSTRUMENT HOLDER 7⅞" X 3⅞"
1	50-4071	US ARMY RETRACTORS	Minor Ortho Set		
1	50-4135C	RICHARDSON-EASTMAN RETRACTORS	SUGG	PRODUCT CODE	DESCRIPTION
2	50-4222CO	VOLKMANN RETRACTOR 4 PRONG SHARP	1	54-4013	LISTER BANDAGE SCISSOR 7¼"
2	50-8072	MURPHY RETRACTOR FOUR PRONG SHARP	1	36-5051	MAYO SCISSOR 6¾" STRAIGHT
2	50-1196	WEITLANER RETRACTOR SHARP 6½"	1	36-5061	MAYO SCISSOR 6¾" CURVED
2	50-1210	GELPI RETRACTOR	1	36-5016	METZENBAUM SCISSOR 7" CURVED
1	11-580	BENNETT TIBIA RETRACTOR SMALL BLADE	1	36-5080	WIRE SUTURE SCISSORS 4¾"
1	11-582	BENNETT TIBIA RETRACTOR LARGE BLADE	6	33-5005	BACKHAUS TOWEL CLAMP 5½"
1	37-4106	COBRA RETRACTOR BLUNT	2	33-6030	SPONGE HOLDING FORCEP 9" STRAIGHT
1	27-680	MURPHY-LANE BONE SKID	2	11-5530	#3 KNIFE HANDLE
1	27-215	HOHMANN RETRACTOR 10MM	4	34-4001	HALSTED MOSQUITO FORCEP 5" CURVED
1	27-216	HOHMANN RETRACTOR 18MM	2	34-4041	CRILE HEMOSTATIC FORCEP 6¼" CURVED
1	27-218	HOHMANN RETRACTOR 43MM	2	34-4071	ROCHESTER-PEAN HEMOSTATIC FORCEP 6¼" CURVED
1	27-219	HOHMANN RETRACTOR 70MM	2	34-4110	ROCHESTER-OCHSNER HEMOSTATIC FORCEP STRAIGHT 6¼"
1	18-657	THORPE CALIPER	2	33-7000	ALLIS TISSUE FORCEP 4X5 TEETH 6"
1	27-1392	LISTON BONE CUTTING FORCEP 7½" STRAIGHT	2	30-4500	LAHEY GALL DUCT FORCEP LONGITUDINAL SERRATIONS
1	53-1040	ADSON CRANIAL RONGEUR STRAIGHT	2	36-2000	CRILE-WOOD NEEDLE HOLDER 6"
1	65-1115	LANGENBECK PERIOSTEAL ELEVATOR NARROW	2	36-2016	MAYO-HEGAR NEEDLE HOLDER 6"
1	65-2546	COBB SPINAL ELEVATOR ½"	2	30-1186	ADSON TISSUE FORCEP 1X2 TEETH
1	65-2547	COBB SPINAL ELEVATOR ¾"	1	30-4153	TISSUE FORCEP 1X2 TEETH 6"
1	32-3425	CODMAN HEAVY DUTY BONE HOOK SHARP	1	30-4220	RUSSIAN TISSUE FORCEP 6"
1	32-3335	CODMAN UTILITY PLIERS 7¾"	1	26-956	FERRIS SMITH TISSUE FORCEP 1X2 TEETH
			1	27-215	HOHMANN RETRACTOR 10MM

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1	27-216	HOHMANN RETRACTOR 18MM	1	65-2510	KEY PERIOSTEAL ELEVATOR ¼"
1	50-4135C	RICHARDSON-EASTMAN RETRACTORS	1	65-2512	KEY PERIOSTEAL ELEVATOR ½"
1	50-1212	POPPEL-GELPI LAMINECTOMY RETRACTOR	1	65-1115	LANGENBECK PERIOSTEAL ELEVATOR NARROW
1	50-1194	WEITLANER RETRACTOR 5½"	1	65-1116	LANGENBECK PERIOSTEAL ELEVATOR WIDE
2	50-4222CO	VOLKMANN RETRACTOR 4 PRONG SHARP	1	65-6620	FREER SEPTUM ELEVATOR
2	50-1020	CUSHING VEIN RETRACTOR 9"	1	32-3423	CODMAN HEAVY DUTY BONE HOOK 9"
1	50-4071	US ARMY RETRACTORS	1	70-1088	FRAZIER SUCTION TUBE ANGULAR 7½" 9FR
1	32-3401	CODMAN CURETTE 9" 00	1	70-1089	FRAZIER SUCTION TUBE ANGULAR 11FR
1	32-3403	CODMAN CURETTE 9" 1	1	32-3339	CODMAN NEEDLE NOSE PLIERS 5½"
1	32-3405	CODMAN CURETTE 9" 3	1	37-4100	NEEDLE NOSE PLIERS
1	32-3406	CODMAN CURETTE 9" 4	1	21-3002	LARGE STERILIZING TRAY
1	53-1311	RUSKIN BONE RONGEUR CURVED	1	32-3347	CODMAN INSTRUMENT HOLDER 7⅞" X 3⅞"
1	30-1310	LISTON BONE CUTTING FORCEP			
1	88-2500	SMITH PETERSON Mallet			
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CONVERSION CHART

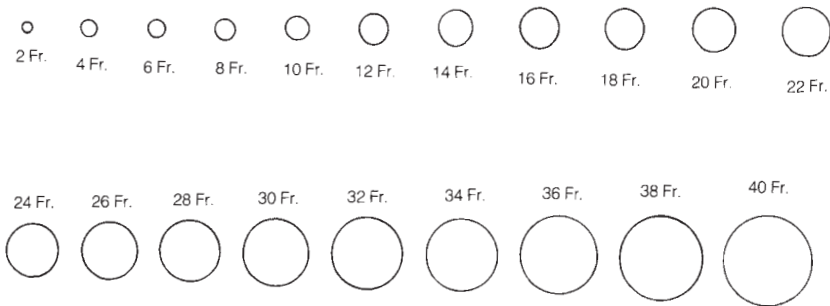
An increasing acceptance of the metric system as a worldwide standard, has prompted the conversion of all English dimensions in this catalog to an approximate metric measurement. In some cases where there is a very finite difference in size relationship throughout a product line, metric measurements are given only. In all other cases, to best assist in this conversion, measurements are provided in both inches and millimeters. The following conversion chart provides a quick reference for the English, Metric, and French Systems.

Multiply	By	To Obtain
Millimeters	0.1	Centimeters
Millimeters	0.03937	Inches
Centimeters	0.3937	Inches
Centimeters	0.01	Meters
Centimeters	10	Millimeters
Inches	2.540	Centimeters

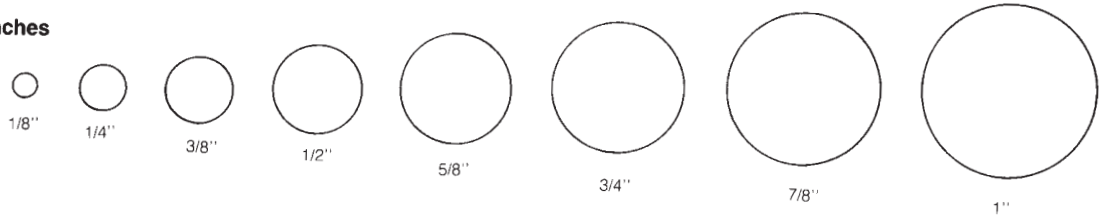
Millimeters



French



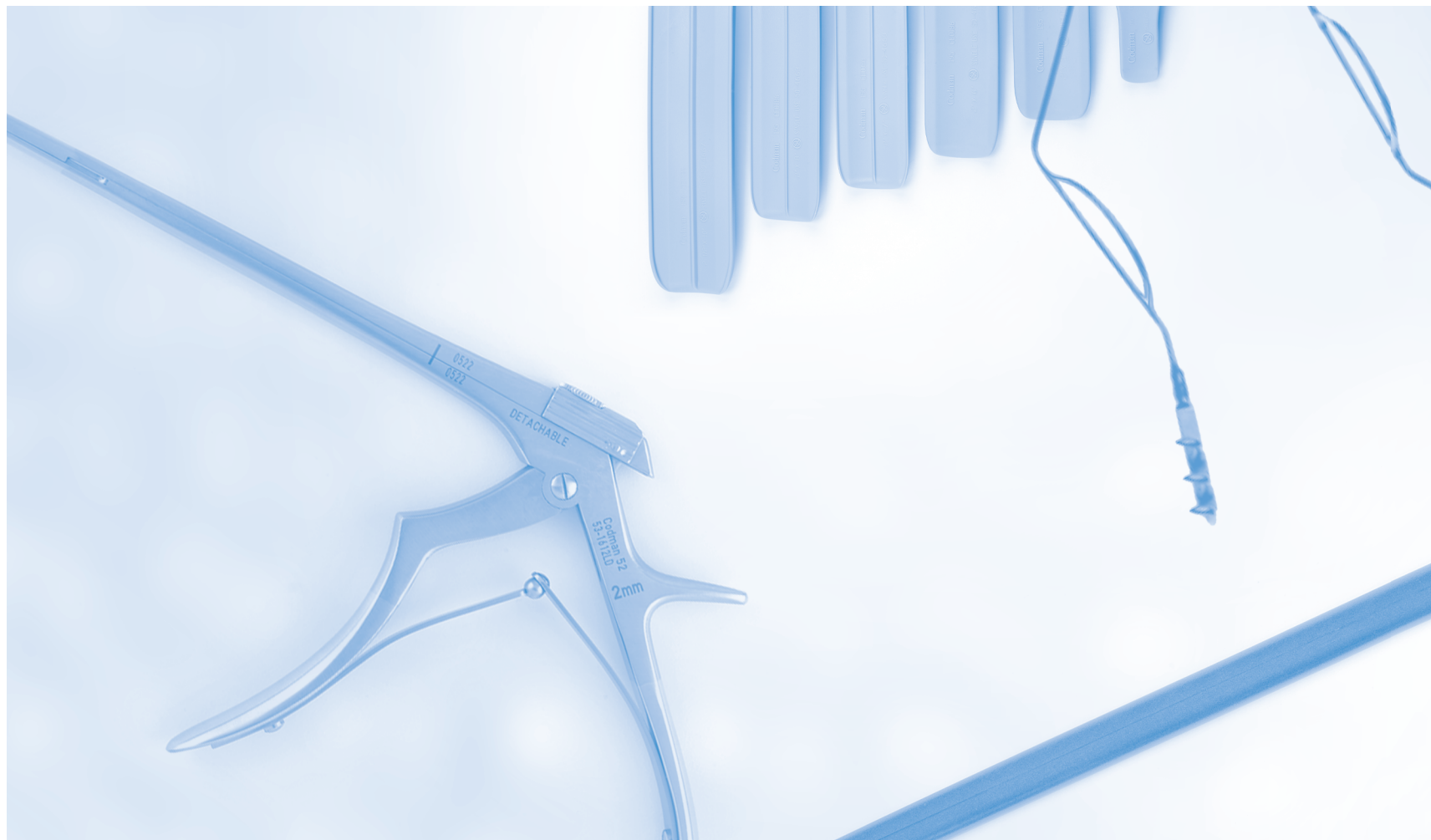
Inches



CONVERSION CHART

NEEDLE AND CATHETER REFERENCE CHART

Hypodermic Needle Tubing				French Catheter Sizes			Millimeter/Inch/Centimeter Conversion			
	O.D. In.	I.D. Reg. Wall	I.D. Thin Wall	French Size	O.D. mm	O.D. In.	mm	In.	In.	cm
33	.008	.004	.005	1	1/3	.013	1/4	.0098	1/4	.63
32	.009	.004	.005	2	2/3	.026	1/2	.0197	1/2	1.27
31	.010	.005	.006	3	1	.039	3/4	.0295	3/4	1.90
30	.012	.006	.007	4	1 1/3	.053	1	.0394	1	2.54
29	.013	.007	.008	5	1 2/3	.066	2	.0787	2	5.08
28	.014	.007	.008	6	2	.079	3	.1181	3	7.62
27	.016	.008	.010	7	2 1/3	.092	4	.1574	4	10.16
26	.018	.010	.012	8	2 2/3	.105	5	.1968	5	12.70
25	.020	.010	.012	9	3	.118	6	.2362	6	15.24
24	.022	.012	.014	10	3 1/3	.131	7	.2755	7	17.78
23	.025	.013	.015	11	3 2/3	.144	8	.3149	8	20.32
22	.028	.016	.018	12	4	.158	9	.3543	9	22.86
21	.032	.020	.022	13	4 1/3	.170	10	.3937	10	25.40
20	.035	.023	.025	14	4 2/3	.184	11	.4330	11	27.94
19	.042	.027	.031	15	5	.197	12	.4724	12	30.48
18	.050	.033	.042	16	5 1/3	.210	13	.5118	13	33.02
17	.059	.041	.046	17	5 2/3	.223	14	.5511	14	35.56
16	.065	.047	.052	18	6	.236	15	.5905	15	38.10
15	.072	.054	.059	19	6 1/3	.249	16	.6299	16	40.64
14	.083	.063	.071	20	6 2/3	.263	17	.6692	17	43.18
13	.095	.071	.077	21	7	.276	18	.7086	18	45.72
12	.109	.085	.091	22	7 1/3	.288	19	.7483	19	48.26
11	.120	.094	.100	23	7 2/3	.302	20	.7874	20	50.80
10	.134	.106	.114	24	8	.315	21	.8267	21	53.34
9	.148	.118	.126	25	8 1/3	.328	22	.8661	22	55.88
8	.165	.135	.143	26	8 2/3	.341	23	.9055	23	58.42
7	.180	.150	.158	27	9	.354	24	.9448	24	60.96
6	.203	.173	.181	28	9 1/3	.367	25	.9842	25	63.50



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