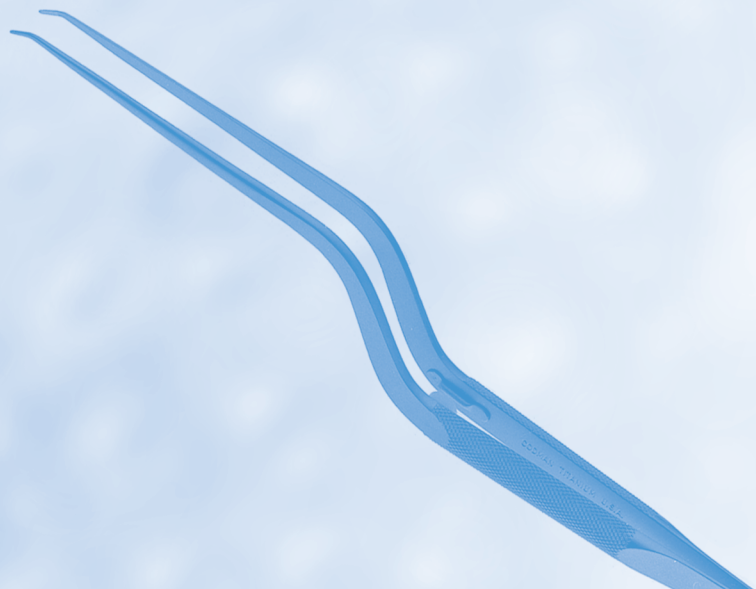




SURGICAL INSTRUMENT

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.
BRITETRAC™ is a trademark of Applied Fiberoptics, Inc.
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
LIGACLIP™ is a trademark of Ethicon, Inc.
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.
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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

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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

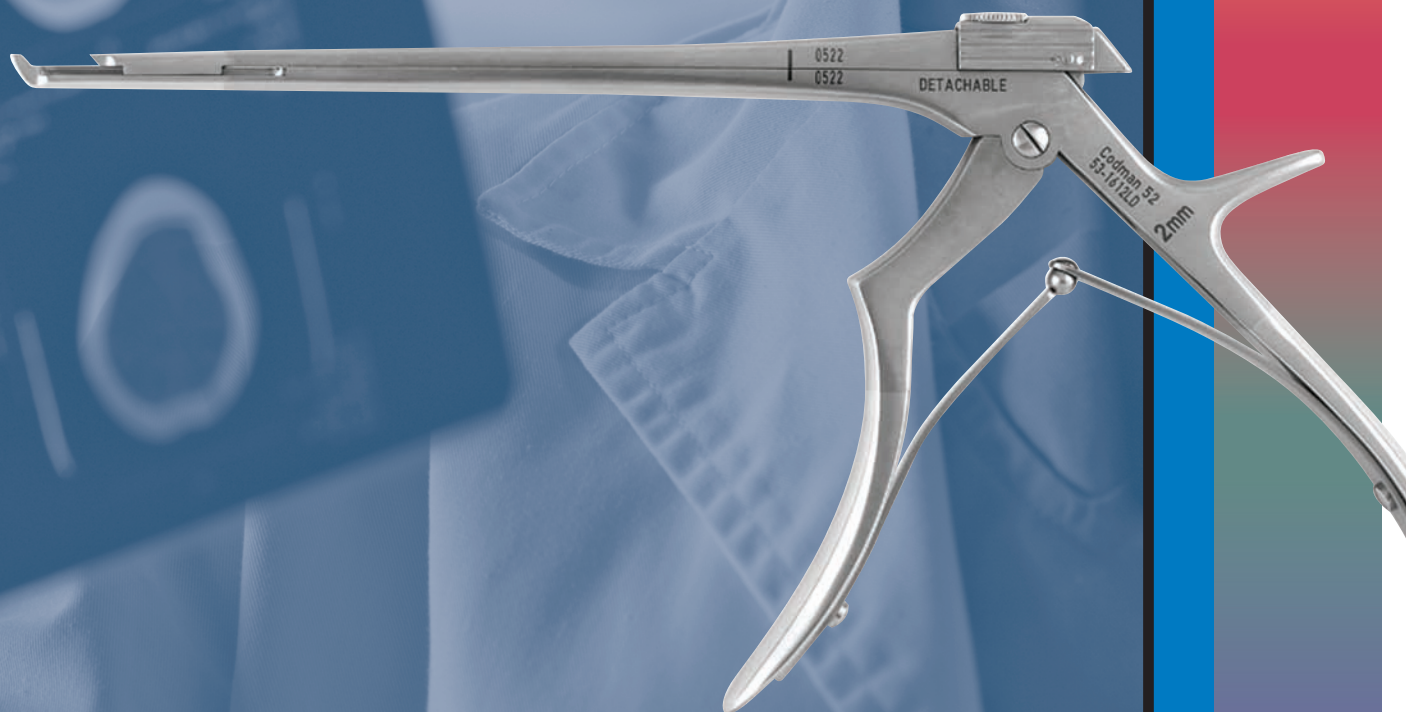
For International contact information

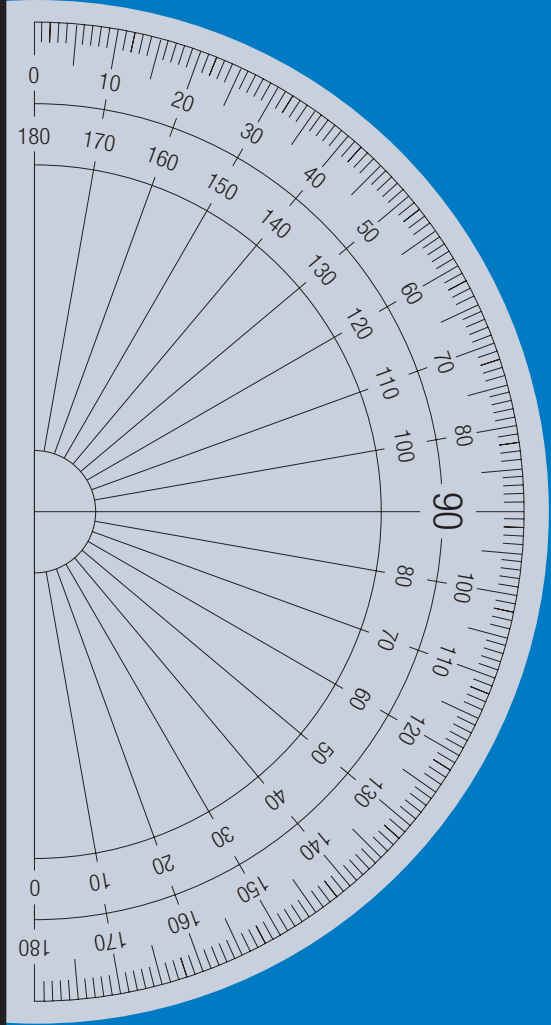
■ Call Codman Customer Service @ 1-800-225-0460.

OR

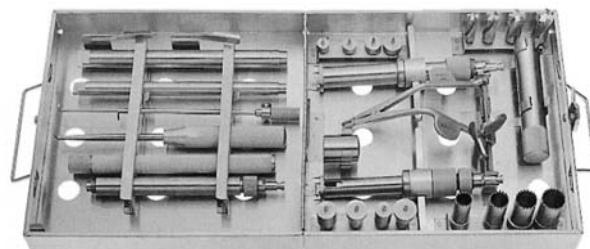
■ www.codman.com

SPINAL





ANTERIOR CERVICAL FUSION KIT



80-1004 The CODMAN Anterior Fusion Kit, for removal of ruptured cervical disc lesions and osteophytes by an anterior surgical approach.

CODMAN ANTERIOR CERVICAL FUSION KIT, with Case

80-1004 CODMAN Anterior Fusion Kit, with case.
 CODMAN Anterior Fusion Kit includes:
21-1001 CODMAN Instrument Case
11-1002 CODMAN Cross Bar Handle (Two Each)
 CODMAN Dowel Cutter
56-1005 Diameter 12mm
56-1006 Diameter 14mm
56-1007 Diameter 16mm
56-1008 Diameter 18mm
 CODMAN Dowel Cutter Center Pins
47-1010 Diameter 12mm
47-1011 Diameter 14mm
47-1012 Diameter 16mm
47-1013 Diameter 18mm
11-1019 CODMAN Dowel Cutter Shaft
80-1001 CODMAN Dowel Ejector
11-1011 CODMAN Dowel Handle and Ejector
 CODMAN Drill Tips
26-1265 10mm
26-1266 12mm
26-1267 14mm
26-1268 16mm
 CODMAN Cervical Drill Guards
12-1005C Small
12-1006C Large
12-1007 CODMAN Drill Guard Cap
 CODMAN Drill Shaft
28-1001 Small
28-1002 Large
65-1064 CODMAN Osteophyte Periosteal Elevator
39-1012 CODMAN Depth Gauge
 CODMAN Guard Guide, double ended.
14-1043 Small
14-1044 Large
61-1004 CODMAN Vertebra Spreader
80-1012 CODMAN Spanner Wrench

CODMAN ANTERIOR CERVICAL FUSION KIT, Accessories

26-1041 HUDSON Brace
 Spinal Fusion Curettes
 Straight
23-1041 No. 000
23-1042 No. 00
23-1043 No. 0
 Angled
23-1051 No. 000
23-1052 No. 00
23-1053 No. 0
 CODMAN Periosteal Elevators
65-1056 No. 1
65-1057 No. 2
65-1058 No. 3
65-1121 Curved
30-1203 D'ERRICO Bayonet Dressing Forceps
88-1005 CODMAN Cervical Hammer, small
11-5535 Knife Handle, No.3L
38-1038 CODMAN Cautery Hook
18-1013 CODMAN Cervical Osteotome, curved
 CODMAN Cervical Punches, 40°
51-1087 Cup size 3mm
50-1180 ADSON Cerebellar Retractor
50-1050 CODMAN Blade Retractor, 18mm
50-1052 CODMAN Blade Retractor, 20mm
50-1053 CODMAN Blade Retractor, 23mm
50-1380 CODMAN Cervical Retractor, large, with set of seven sharp blades
50-1390 CODMAN Cervical Retractor, large, with set of seven blunt blades
50-1022 CODMAN Vein Retractor
50-1224CO CODMAN Skin Retractor, 1 x 1 prong
50-4071 U.S. Army Retractor, set of two
 CODMAN IVD Rongeurs
53-1171 Cup size 4mm x 8mm
53-1220 Cup size 6mm x 10mm
54-1015 MALIS Nuerosurgical Scissors

ANTERIOR CERVICAL FUSION KIT, COMPONENTS



26-1265



26-1266



26-1267



26-1268

	CODMAN Cervical Drill tips
	Diameter
26-1265	10mm
26-1266	12mm
26-1267	14mm
26-1268	16mm



	CODMAN Cervical Drill Guards, with bone relief, and four pins.	
12-1005C	Length	4 1/16" (103mm)
	Small Diameter	13mm
12-1006C	Large Diameter	16mm



11-1002	CODMAN Cross Bar Handle
	Inside diameter 7/8" (22mm)

ANTERIOR CERVICAL FUSION KIT, COMPONENTS

39-1012	CODMAN Depth Gauge
	Length 8 ³ / ₈ " (213mm)



	CODMAN Dowel Cutters
	Diameter
56-1005	12mm (use 26-1265 drill size.)
56-1006	14mm (use 26-1266 drill size.)
56-1007	16mm (use 26-1267 drill size.)
56-1008	18mm (use 26-1268 drill size.)



56-1005



56-1006



56-1007



56-1008

	CODMAN Dowel Cutter Center Pins
	Pin diameter
	Diameter
47-1010	12mm
47-1011	14mm
47-1012	16mm
47-1013	18mm



47-1010



47-1012



47-1011



47-1013

SPINAL

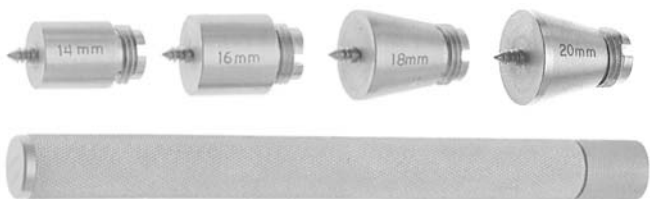
ANTERIOR CERVICAL FUSION KIT, COMPONENTS



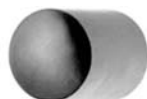
11-1019 CODMAN Dowel Cutter Shaft
Length 6½" (165mm)



80-1001 CODMAN Dowel Ejector
Length 4½" (114mm)



11-1011 CODMAN Dowel Handle and Impactor Set.
set includes:
Dowel Handle and Impactor
Length 7" (178mm)
Dowel Holder 14mm
Dowel Holder 16mm
Dowel Holder 18mm
Dowel Holder 20mm



12-1007 CODMAN Drill Guard Cap
Length 1¼" (32mm)
Diameter 1" (25mm)



CODMAN Drill Shafts, with depth stop.
Length 5⅞" (141mm)
28-1001 Small (to hold 26-1265 or 26-1266)
Diameter 13mm
28-1002 Large (to hold 26-1267 or 26-1268)
Diameter 16mm



CODMAN Guard Guides, double ended.
Length 7½" (190mm)
14-1043 Diameter ⅜" (9.5mm)
14-1044 Diameter ½" (13mm)

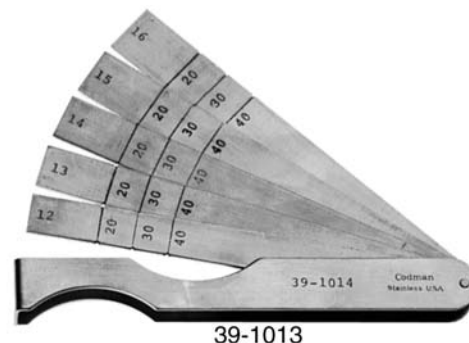
ANTERIOR CERVICAL FUSION KIT, COMPONENTS

65-1064 CODMAN Osteophyte Periosteal Elevator
Length 8" (203mm)



39-1013 CODMAN Spanner Gauge, small.
Length 5 1/8" (130mm)
Width (7mm)
(8mm)
(9mm)
(10mm)
(11mm)

39-1014 CODMAN Spanner Gauge, large.
Length 5 1/8" (130mm)
Width (12mm)
(13mm)
(14mm)
(15mm)
(16mm)



80-1012 CODMAN Spanner Wrench



61-1004 CODMAN Vertebra Spreader #1, with ratchet.
Total length 5" (127mm)
Total opening 3/4" (19mm)
61-1005 CODMAN Vertebra Spreader #2, with ratchet.
Total length 3" (76mm)
Total opening 1 1/2" (38mm)



SPINAL

BIOPSY SET, VERTEBRAL



- 24-2500** CRAIG Vertebral Body Biopsy Kit, in stainless steel sterilizing rack. Includes the following:
1. Needle, 20G.
(for infiltration of operative area)
 2. Needle, 22G.
(for similar use)
 3. Calibrated blunt trocars, two.
(for blunt dissection through soft tissues to vertebral body)
 4. Calibrated cannula
(if x-rays demonstrate trocar is in satisfactory position, cannula is then inserted over it)
 5. Tooth cutter
(use within the calibrated cannula to obtain a 3mm core)
 6. Sharp cutter
(use within the calibrated cannula to obtain a 3mm core)
 7. Socket wrench
(used with either cutter)
 8. Stylet
(used to expel biopsy section)
 9. Sharp worm hook
(to withdraw soft tissue cuttings)
- Components of this kit can be ordered separately from our repair department at 800-343-5969
-

CASES, GOUGES & OSTEOTOME



- 21-2500** CODMAN Gouge and Osteotome Case, holds seven SMITH-PETERSEN gouges or osteotomes.
- | | | |
|--------|---------------------------------|---------|
| Length | 9" | (229mm) |
| Width | 6 ⁷ / ₈ " | (175mm) |
| Depth | 2 ¹ / ₄ " | (57mm) |
-

CASES, GOUGES & OSTEOTOME

21-1020	CODMAN Sterilizing and Carrying Case. Holds eight assorted 11" (279mm) gouges or osteotomes.		
	Length	11 ³ / ₄ "	(298mm)
	Width	8 ⁷ / ₈ "	(225mm)
	Depth (on each side)	1 ¹ / ₄ "	(32mm)



CHISELS



18-1011	CODMAN Spinal Fusion Chisel, straight.		
	Blade width	¹⁵ / ₆₄ "	(6mm)
	Length	9 ¹ / ₂ "	(241mm)

	CODMAN Puka (Hole) Chisel		
	Length	9"	(229mm)
	Tip width	.4"	(10mm)
18-1014	No. 1		
18-1015	No. 2		



11-1040	CODMAN Puka Chisel Handle		
	Length	4"	(102mm)



SPINAL

CHISELS



18-1020	CODMAN-HARMON Chisel		
	Blade width	$\frac{15}{64}$ "	(6mm)
	Length	$9\frac{3}{4}$ "	(248mm)



67-7018	CODMAN OPTI-LENGTH Chisel, Straight, Stiletto		
	Length	$9\frac{1}{2}$ "	(24.1cm)
	Tip Width	$\frac{3}{4}$ "	

67-7001	CODMAN OPTI-LENGTH Spinal Fusion Chisel, Straight		
	Length	$10\frac{1}{2}$ "	(26.7cm)
	Tip width	$\frac{15}{64}$ "	(6mm)

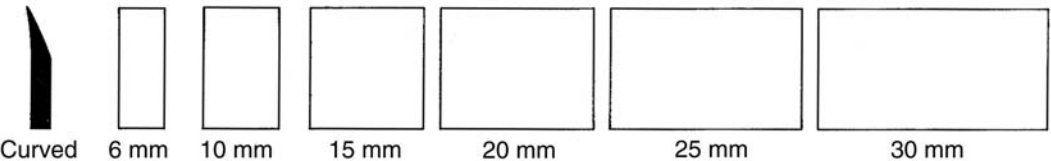
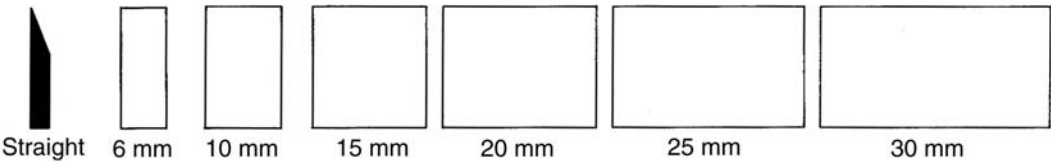
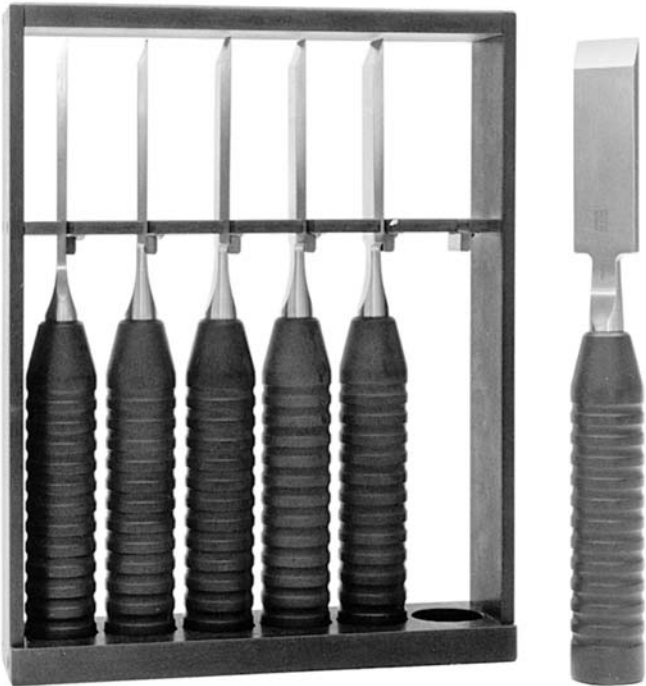
67-7003	CODMAN OPTI-LENGTH PUKA-HOLE Chisel, No. 2		
	Length	11"	(27.9cm)
	Tip width	.4"	



18-1010	D'ERRICO Lamina Chisel		
	Width	$\frac{1}{2}$ "	(13mm)
	Length	$7\frac{1}{2}$ "	(191mm)

CHISELS

- KARLIN™ MAGNUM Chisels,
Black-handles, designed for use with a surgical
mallet.
- Length 10.75" (273mm)
Handle diameter 1.25" (32mm)
- Straight**
- 46-3100** Set of six with case
Includes:
- 46-3101** 6mm
 - 46-3102** 10mm
 - 46-3103** 15mm
 - 46-3104** 20mm
 - 46-3105** 25mm
 - 46-3106** 30mm
 - 46-3107** Magnum instrument case for 6
- Curved**
- 46-3110** Set of six with case
Includes:
- 46-3111** 6mm
 - 46-3112** 10mm
 - 46-3113** 15mm
 - 46-3114** 20mm
 - 46-3115** 25mm
 - 46-3116** 30mm
 - 46-3107** Magnum instrument case for 6

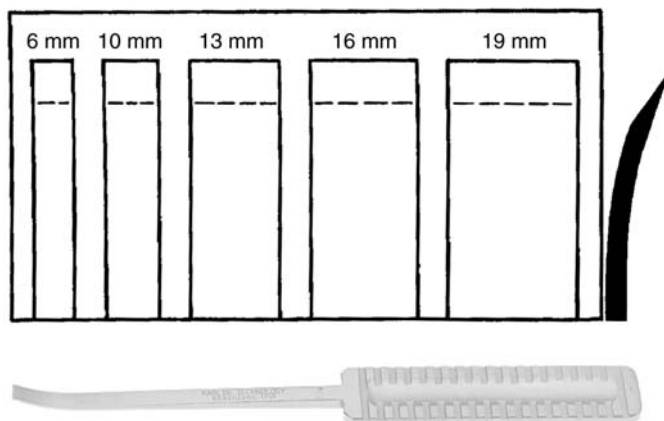


SPINAL

CHISELS



46-3080	KARLIN Curved Stiletto Chisel Set with Case		
	Length	8½"	(216mm)
	The Set Includes:		
		Tip Size	
46-3081	Chisel Curved	¼"	(6mm)
46-3082	Chisel Curved	⅜"	(10mm)
46-3083	Chisel Curved	½"	(13mm)
46-3084	Chisel Curved	⅝"	(16mm)
46-3085	Chisel Curved	¾"	(19mm)
46-3086	Case for Curved Stiletto Chisel		



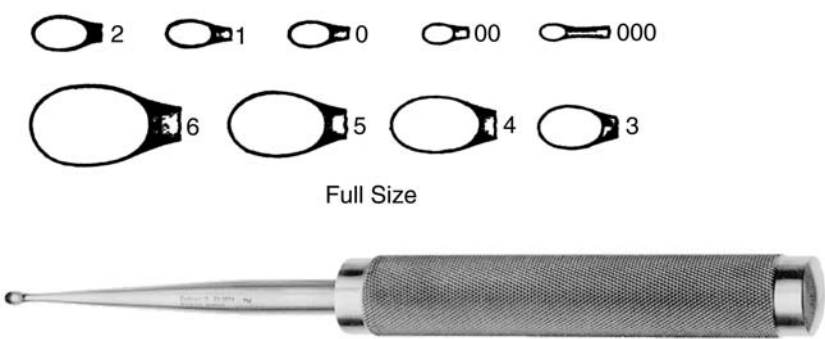
46-3070	KARLIN Straight Stiletto Chisel Set with Case		
	Length	8½"	(216mm)
	Set Includes:		
		Tip Size	
46-3071	Chisel Straight	¼"	(6mm)
46-3072	Chisel Straight	⅜"	(10mm)
46-3073	Chisel Straight	½"	(13mm)
46-3074	Chisel Straight	⅝"	(16mm)
46-3075	Chisel Straight	¾"	(19mm)
46-3076	Case for Straight Stiletto Chisel		

CLAMPS, ORTHOPEDIC MENISCUS

MENISCUS Clamp			
12 Sharp pins in one jaw with 12 matching holes in other jaw provide grip for dissection and removal of meniscus.			
37-4007	1x2 teeth at tips of jaw, curved shank	7 1/8"	(18.1cm)

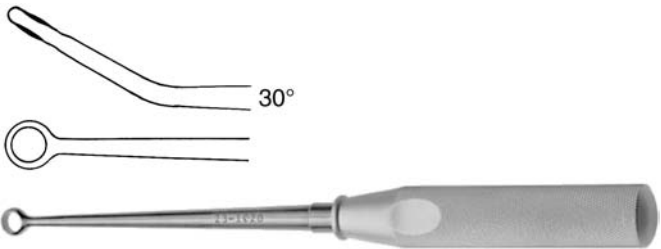


CURETTES



COBB Spinal Curettes			
	Length	11"	(279mm)
		Tip size	
23-2570	No. 000	3.25mm	
23-2571	No. 00	4.00mm	
23-2572	No. 0	5.00mm	
23-2573	No. 1	6.00mm	
23-2574	No. 2	7.50mm	
23-2575	No. 3	9.00mm	
23-2576	No. 4	11.50mm	
23-2577	No. 5	13.00mm	
23-2578	No. 6	15.50mm	

CODMAN-CONE Ring Curettes			
23-1020C	Angled 5°		
	Ring diameter (I.D.)	5/16"	(8mm)
	Total length	9"	(229mm)
23-1021C	Angled 30°		
	Ring diameter (I.D.)	5/16"	(8mm)
	Total length	9"	(229mm)



SPINAL

CURETTES



CONE Ring Curettes			
Length		9"	(229mm)
23-1013	Straight No. 1		
Ring diameter (I.D.)		5/16"	(8mm)
23-1014	Straight No. 2		
Ring diameter (I.D.)		1/4"	(6mm)
23-1015	Straight No. 3		
Ring diameter (I.D.)		1/8"	(3mm)



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	9 ³ / ₄ "	(25cm)
32-3410	Tip Size	4mm	
32-3411	Tip Size	5mm	

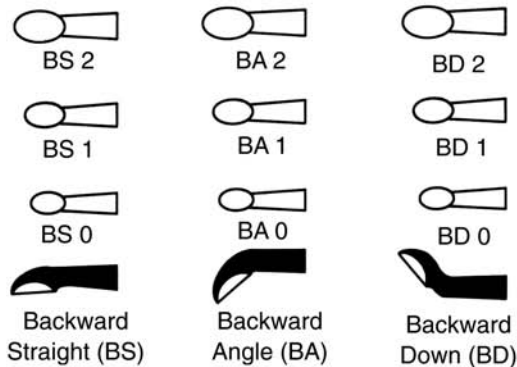


	EPSTEIN Curettes		
	Length	8"	(203mm)
23-1130C	No. 000	2.0mm	
23-1131C	No. 00	2.5mm	
23-1132C	No. 0	3.0mm	



SPINAL

CURETTES



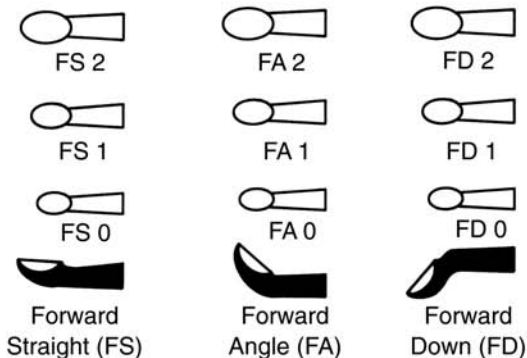
KARLIN Lumbar Microdissectomy Instruments
offset, black handles, tip configuration marked
on handle.

Length 9½" (24.13cm)

46-3120 Set of 24 instruments with 2 cases

Includes:

- 46-3121 Curette, forward straight, 0
- 46-3122 Curette, forward straight, 1
- 46-3123 Curette, forward straight, 2
- 46-3124 Curette, forward angle, 0
- 46-3125 Curette, forward angle, 1
- 46-3126 Curette, forward angle, 2
- 46-3127 Curette, forward down, 0
- 46-3128 Curette, forward down, 1
- 46-3129 Curette, forward down, 2
- 46-3130 Curette, backward straight, 0
- 46-3131 Curette, backward straight, 1
- 46-3132 Curette, backward straight, 2
- 46-3133 Curette, backward angle, 0
- 46-3134 Curette, backward angle, 1
- 46-3135 Curette, backward angle, 2
- 46-3136 Curette, backward down, 0
- 46-3137 Curette, backward down, 1
- 46-3138 Curette, backward down, 2
- 46-3139 Penfield Dissector #1
- 46-3140 Penfield Dissector #2
- 46-3141 Nerve Hook
- 46-3142 Penfield Dissector #4
- 46-3143 Bone Waxer
- 46-3144 Spine Probe
- 46-3145 Storage/Sterilizing Case for 12 instruments



CURETTES

KARLIN Cervical Microdiscectomy Instruments
Offset, blade handles, tip configuration marked
on handle

Length $8\frac{1}{2}"$ (21cm)

Set of 24 instruments with 2 cases.

Includes:

- 46-3150** Set of 24 instruments with 2 cases.
- 46-3151** Curette, Forward Straight, 0
- 46-3152** Curette, Forward Straight, 00
- 46-3153** Curette, Forward Straight, 000
- 46-3154** Curette, Forward Straight, 0000
- 46-3155** Curette, Forward Straight, Cortical Bone Cutter
- 46-3156** Curette, Forward Angle, 0
- 46-3157** Curette, Forward Angle, 00
- 46-3158** Curette, Forward Angle, 000
- 46-3159** Curette, Forward Angle, 0000
- 46-3160** Curette, Forward Angle, Cortical Bone Cutter
- 46-3161** Curette, Backward Straight, 0
- 46-3162** Curette, Backward Straight, 00
- 46-3163** Curette, Backward Straight, 000
- 46-3164** Curette, Backward Straight, 0000
- 46-3165** Curette, Backward Straight, Cortical Bone Cutter
- 46-3166** Curette, Backward Angle, 0
- 46-3167** Curette, Backward Angle, 00
- 46-3168** Curette, Backward Angle, 000
- 46-3169** Curette, Backward Angle, 0000
- 46-3170** Curette, Backward Angle, Cortical Bone Cutter
- 46-3171** Micro Nerve Hook
- 46-3172** Ultra Micro Nerve Hook
- 46-3174** Knife Handle
- 46-3173** Cervical Bone Waxter
- 46-3175** Storage/Sterilization Case for 12 instruments



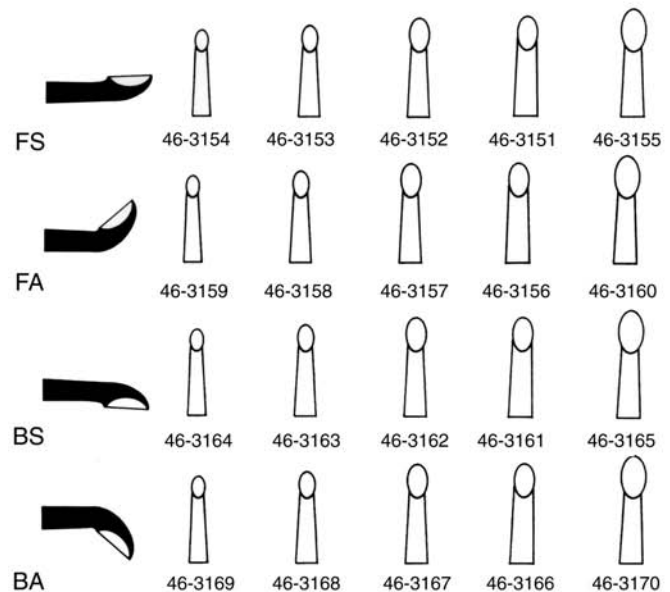
46-3152

KARLIN Ultra Cervical Microdiscectomy
Instruments

Length $8\frac{1}{2}"$ (21cm)

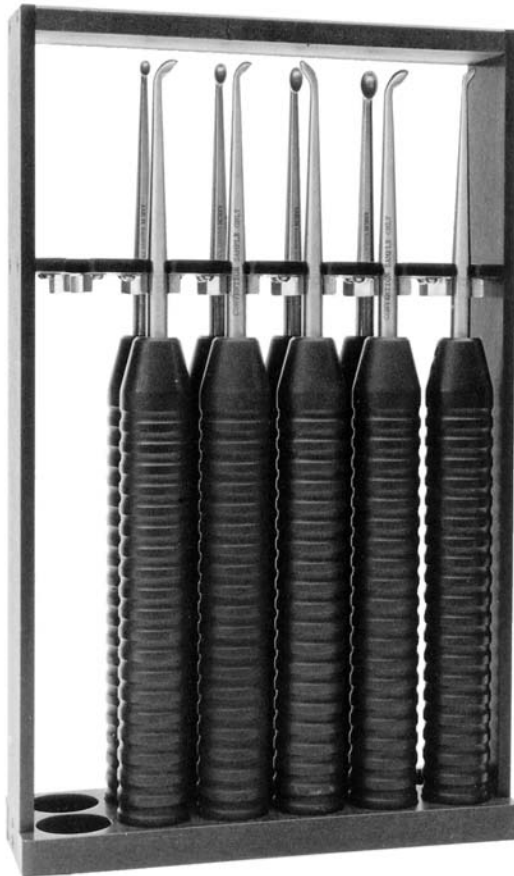
Accessories:

- 46-3177** KARLIN Micro Knife Blade, 2.0mm
- 46-3178** KARLIN Ultra Knife Blade, 1.5mm



SPINAL

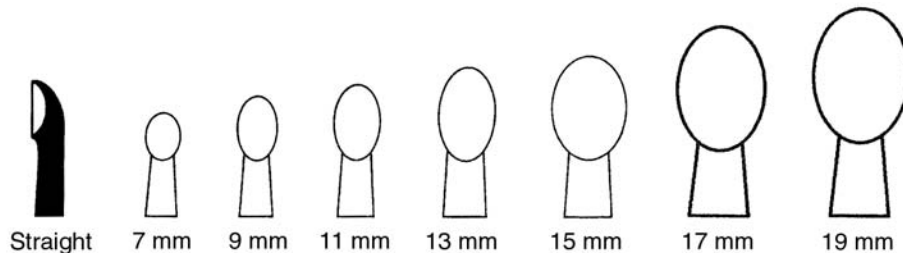
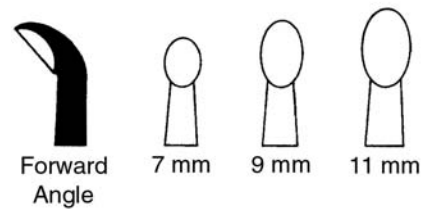
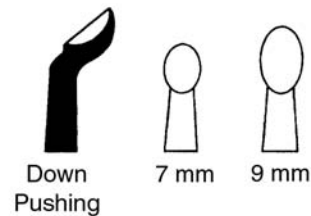
CURETTES



KARLIN XL MAGNUM Cup Currettes
Extra Long (XL) currettes, black handles,
lightweight
Length 13¼" (33.7cm)
Handle length 8½" (21cm)
Handle diameter 1¼" (32cm)

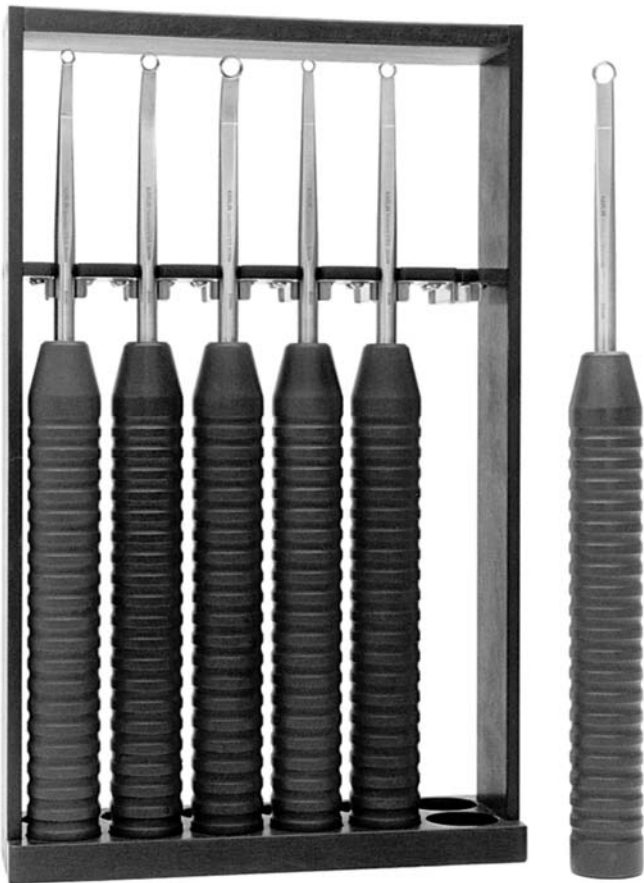
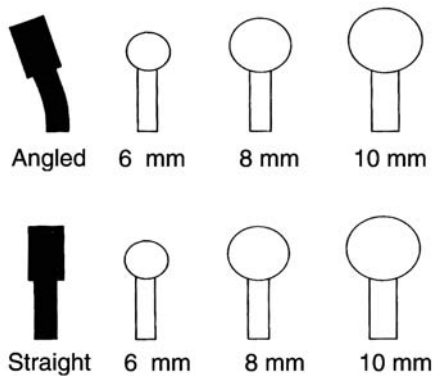
46-3225 XL MAGNUM Cup currettes with case
Includes:

46-3226	Curette forward straight	(7mm)
46-3227	Curette forward straight	(9mm)
46-3228	Curette forward straight	(11mm)
46-3229	Curette forward straight	(13mm)
46-3230	Curette forward straight	(15mm)
46-3236	Curette forward, straight	(17mm)
46-3237	Curette forward, straight	(19mm)
46-3231	Curette forward angle	(7mm)
46-3232	Curette forward angle	(9mm)
46-3233	Curette forward angle	(11mm)
46-3234	Curette down pushing	(7mm)
46-3235	Curette down pushing	(9mm)
46-3222	Storage/sterilizing case for 12 XL MAGNUM instruments	



CURETTES

	KARLIN™ XL MAGNUM Ring Curettes		
	Extra Long (XL) curettes, black handles, lightweight		
	Length	13¼"	(33.7cm)
	Handle length	8½"	(21cm)
	Handle diameter	1¼"	(32cm)
46-3215	Set of six with case		
	Includes:		
46-3216	6mm Ring, Straight		
46-3217	8mm Ring, Straight		
46-3218	10mm Ring, Straight		
46-3219	6mm Ring, Angled		
46-3220	8mm Ring, Angled		
46-3221	10mm Ring, Angled		
46-3222	Storage/Sterilizing Case for 12 XL MAGNUM Instruments		



CURETTES



- 46-2625** KARLIN XL Cervical discectomy Kit
(Set of 24 Instruments with 2 Cases)
The KARLIN Extra Long Cervical Microdiscectomy Instruments were developed to support the extra length required when working under a microscope. They optimize visualization through their bayonet design and satin black handles
- | | | |
|-------------------|------|----------|
| Instrument length | 9.5" | (24cm) |
| Working distance | 4.1" | (10.4cm) |
| Handle width | 0.6" | (1.5cm) |
- Includes the following:
- 46-2626** XL Cervical Curette, Forward Straight, 0
 - 46-2627** XL Cervical Curette, Forward Straight, 00
 - 46-2628** XL Cervical Curette, Forward Straight, 000
 - 46-2629** XL Cervical Curette, Forward Straight, 0000
 - 46-2630** XL Cervical Curette, Forward Straight, Cortical Bone Cutter
 - 46-2631** XL Cervical Curette, Forward Angle, 0
 - 46-2632** XL Cervical Curette, Forward Angle, 00
 - 46-2633** XL Cervical Curette, Forward Angle, 000
 - 46-2634** XL Cervical Curette, Forward Angle, 0000
 - 46-2635** XL Cervical Curette, Forward Angle, Cortical Bone Cutter
 - 46-2636** XL Cervical Curette, Backward Straight, 0
 - 46-2637** XL Cervical Curette, Backward Straight, 00
 - 46-2638** XL Cervical Curette, Backward Straight, 000
 - 46-2639** XL Cervical Curette, Backward Straight, 0000
 - 46-2640** XL Cervical Curette, Backward Straight, Cortical Bone Cutter
 - 46-2641** XL Cervical Curette, Backward Angle, 0
 - 46-2642** XL Cervical Curette, Backward Angle, 00
 - 46-2643** XL Cervical Curette, Backward Angle, 000
 - 46-2644** XL Cervical Curette, Backward Angle, 0000
 - 46-2645** XL Cervical Curette, Backward Angle, Cortical Bone Cutter
 - 46-2646** XL Cervical Micro Nerve Hook
 - 46-2647** XL Cervical Ultra Micro Nerve Hook
 - 46-2648** XL Cervical Bone Waxer
 - 46-3174** KARLIN Micro-Knife Handle
 - 46-3145** Storage/Sterilizing Case for 12 Instruments
(2 provided with Kit)

46-3400 PG MAGNUM Ring Curettes
Unique, broad-neck fulcrum provides atraumatic leverage on opposing vertebrae end plates. Dual-coned, precision sharpened rings facilitate rapid, efficient bone sculpting and removal. Each instrument engraved with depth indicator to minimize potential for deep penetration.

Total length 12.6" (32cm)

Handle length 7.8" (20cm)

Handle diameter 1.12" (3cm)

Working distance 4.7" (12cm)

Set of 6 Ring Curettes with Case, includes:

46-3401 Ring Curette, Str. 6mm

46-3402 Ring Curette, Str. 8mm

46-3403 Ring Curette, Str. 10mm

46-3404 Ring Curette, Ang. 6mm

46-3405 Ring Curette, Ang. 8mm

46-3406 Ring Curette, Ang. 10mm

46-3407 PG MAGNUM Sterilizing Case



46-3410 PG MAGNUM Cup Curettes
Total length 12.6" (32cm)
Handle length 7.8" (20cm)
Handle diameter 1.12" (3cm)
Working distance 4.7" (12cm)
Large capacity cup sizes permit rapid tissue removal:

Set of 12 Cup Curettes with Case includes:

46-3411 Cup Curette, Forward, Str. 7mm

46-3412 Cup Curette, Forward, Str. 9mm

46-3413 Cup Curette, Forward, Str. 11mm

46-3414 Cup Curette, Forward, Str. 13mm

46-3415 Cup Curette, Forward, Str. 15mm

46-3416 Cup Curette, Forward, Str. 17mm

46-3417 Cup Curette, Forward, Str. 19mm

46-3418 Cup Curette, Forward, Ang. 7mm

46-3419 Cup Curette, Forward, Ang. 9mm

46-3420 Cup Curette, Forward, Ang. 11mm

46-3421 Cup Curette, Forward, Down Pushing 7mm

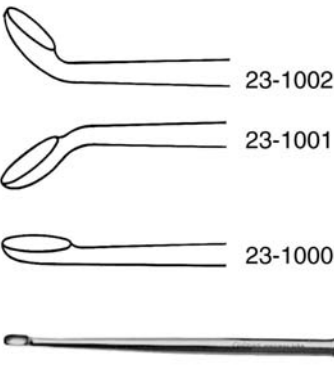
46-3422 Cup Curette, Forward, Down Pushing 9mm



CURETTES



- 47-5010 MICROSECT Curette Kit
(Includes 12 Currettes & Tray)
- 47-5011 #1 Forward Angle Curette, 10"
- 47-5012 #1 Backward Angle Curette, 10"
- 47-5013 #2 Forward Angle Curette, 10"
- 47-5014 #2 Backward Angle Curette, 10"
- 47-5015 #3 Forward Angle Curette, 10"
- 47-5016 #3 Backward Angle Curette, 10"
- 47-5017 #4 Forward Angle Curette, 10"
- 47-5018 #4 Backward Angle Curette, 10"
- 47-5019 #5 Forward Angle Curette, 10"
- 47-5020 #5 Backward Angle Curette, 10"
- 47-5021 3mm Straight Dissector, 10"
- 47-5022 5mm Straight Dissector, 10"
- 47-5023 MICROSECT Curette Tray

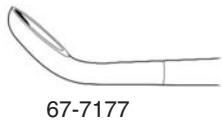


- SCOVILLE Ruptured Disc Currettes
- Length 10" (254mm)
- Cup Size 4x10mm
- 23-1000 Straight Cup
- 23-1001 Flared Laterally Cup
- 23-1002 Angular Cup

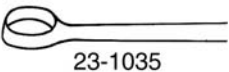
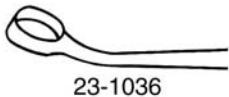
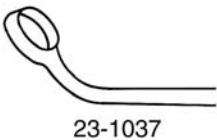
CURETTES



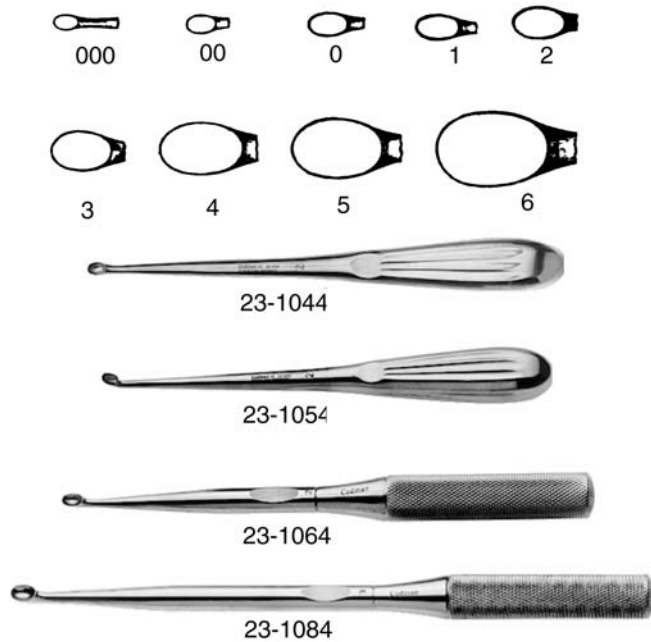
SCOVILLE OPTI-LENGTH Curette				
		Length		Cup Size
67-7174	Lateral	12"	(30.5cm)	4x10mm
67-7175	Lateral	14"	(35.6cm)	4x10mm
67-7176	Lateral	15"	(38.1cm)	6x10mm
67-7177	Angular	12"	(30.5cm)	4x10mm
67-7178	Angular	14"	(35.6cm)	4x10mm
67-7179	Angular	15"	(38.1cm)	6x10mm



SEMMES Spinal Fusion Curettes		
	Length	9" (229mm)
	Ring Size	4x7mm
23-1035	Straight	
23-1036	Slightly curved	
23-1037	Full curved	



CURETTES



	SPINAL Fusion Curettes, straight.	
	Length	8" (203mm)
23-1041	No. 000	
23-1042	No. 00	
23-1043	No. 0	
23-1044	No. 1	
23-1045	No. 2	
23-1046	No. 3	
23-1047	No. 4	
23-1048	No. 5	
23-1049	No. 6	
	SPINAL Fusion Curettes, angular.	
	Length	8" (203mm)
23-1051	No. 000	
23-1052	No. 00	
23-1053	No. 0	
23-1054	No. 1	
23-1055	No. 2	
23-1056	No. 3	
23-1057	No. 4	
23-1058	No. 5	
23-1059	No. 6	
	SPINAL Fusion Curettes, straight	
	Length	9" (229mm)
23-1061	No. 000	
23-1062	No. 00	
23-1063	No. 0	
23-1064	No. 1	
23-1065	No. 2	
23-1066	No. 3	
23-1067	No. 4	
23-1068	No. 5	
23-1069	No. 6	
	SPINAL Fusion Curettes, straight	
	Length	11" (279mm)
23-1081	No. 000	
23-1082	No. 00	
23-1083	No. 0	
23-1084	No. 1	
23-1085	No. 2	
23-1086	No. 3	
23-1087	No. 4	
23-1088	No. 5	
23-1089	No. 6	

CURETTES

21-1003	SPINAL FUSION CURETTE Storage and Sterilizing Case, holds nine sizes of curettes 23-1061 through 23-1069.	
	Width	7¼" (184mm)
21-1022	Length	11¾" (299mm)
	SPINAL FUSION CURETTE Storage and Sterilizing Case, holds nine sizes of curettes.	
	Width	7¼" (184mm)
	Length	9¾" (248mm)



CUTTERS, WIRE



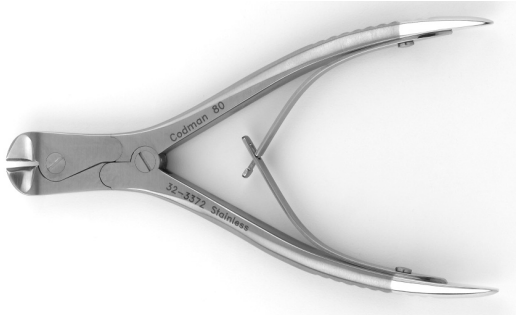
56-2510	CODMAN Wire Cutter
Length	7" (178mm)



56-2507	KIRSCHNER Wire Cutter, chrome plated.
Length	11¼" (159mm)

CUTTERS, WIRE

VITAL Wire Cutter, Side Cutting				
		Jaw	Length	
32-3370	Single Action	Straight	7"	(17.8cm)
32-3371	Double Action	Straight	9"	(22.9cm)
32-3372	Double Action	Angled	6½"	(16.5cm)
32-3373	Double Action	Angled	9"	(22.9cm)



CUTTERS, WIRE



32-3341	Wire Cutters, tungsten carbide inserts
Length	7" (17.8cm)

DISSECTION, OSSEOUS



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: 2 $\frac{3}{4}$ " (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

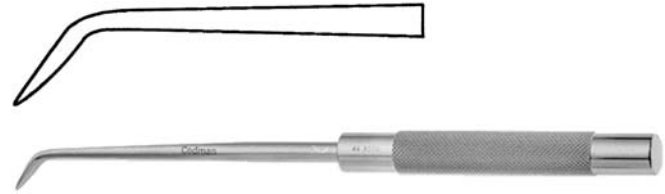
46-2611 Micro Curette, Bayonet, 80° Down 000

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

46-2613 ULTEM® Sterilizing Case for Osseous Dissection Instruments

DISSECTORS

46-3006	ANNULAR Dissector Perforator Used to reduce annular bulge following discectomy; depressing it into the interspace to enhance and assist in removal of recalcitrant nucleus. May serve to dissect scar tissue from dural sac. Atraumatic tip geometry.
Length:	8 ³ / ₄ " (22cm)
Tip length:	1 ¹ / ₂ " (13mm)
Tip tapers	1 ¹ / ₄ " (6mm) to 1 ¹ / ₈ " (3mm)



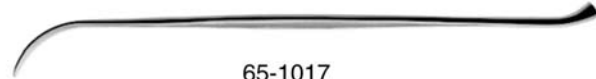
65-1038	MILLIGAN Dissector, double-ended.
Length	8 ¹ / ₂ " (216mm)
Tip sizes	(14mm) (16mm)



65-1015



65-1016



65-1017



65-1018



65-1019

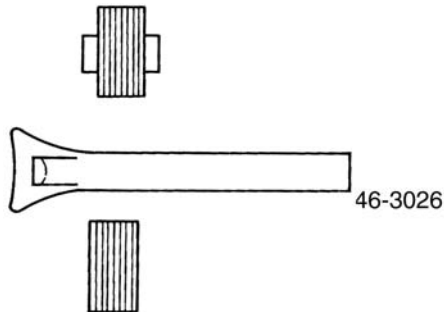
	PENFIELD Dissectors
65-1015	Broad curved dissector, and sharp round spoon, double-ended.
Length	7" (178mm)
65-1016	Slightly curved dissector, and wax packer, double-ended.
Length	7 ³ / ₄ " (197mm)
65-1017	Full curved dissector and wax packer, double-ended.
Length	7 ³ / ₄ " (197mm)
65-1018	Slightly curved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

DISSECTORS/SEPARATORS

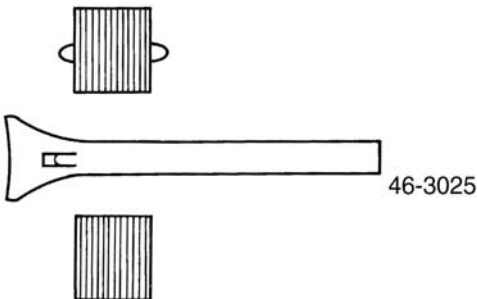
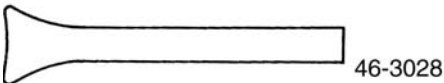


50-1665	CROCKARD Bayonet Micro-Dissector		
	10" (250mm) for transoral dissection, footplate designed to dissect tissue and reduce opportunity for dural penetration. Especially useful in definition of apical and alar ligaments and general dissection.		
	Length	10"	(250mm)

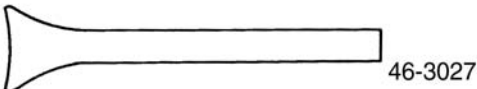
DRIVER, GRAFT



CODMAN Anterior Cervical Graft Drivers			
Designed to ease placement of tri-cortical grafts. Guarded design insets graft 2mm within the cervical lip. Unguarded version allows for deeper graft seating.			
46-3026	Guarded	Length 8 ³ / ₄ " (22cm)	Tip Thickness 1 ¹ / ₄ " (6.5mm)
	Unguarded	8 ³ / ₄ " (22cm)	5 ¹ / ₁₆ " (7mm)



CODMAN Lumbar Graft Drivers			
Designed to ease placement of tri-cortical grafts. Guarded version insets graft 3mm within the lumbar lip. Unguarded version allows for deeper graft seating.			
46-3025	Guarded	Length 8 ³ / ₄ " (22cm)	Tip Thickness 3 ³ / ₈ " (9.5mm)
	Unguarded	8 ³ / ₄ " (22cm)	13 ¹ / ₃₂ " (10mm)



ELEVATORS

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



65-1030



65-1031



65-1032

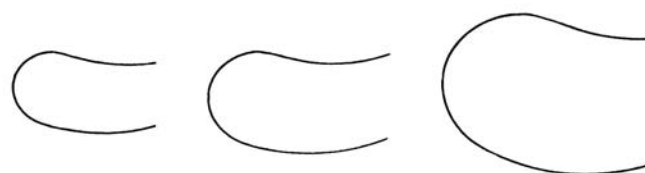


65-1033

65-2549	CARROLL Periosteal Elevator, double-ended.		
	Blade width	1/8"	(3mm)
	Blade width	3/8"	(10mm)
	Length	5½"	(140mm)



	COBB Spinal Elevators		
65-2545	Blade width	3/8"	(10mm)
	Total Length	11"	(279mm)
65-2546	Blade width	1/2"	(13mm)
	Total Length	11"	(279mm)
65-2547	Blade width	3/4"	(19mm)
	Total Length	11"	(279mm)



	CODMAN Periosteal Elevators, sharp.		
	Length	8"	(203mm)
	Tip width		
65-1056		3/16"	(5mm)
65-1057		1/4"	(6.4mm)
65-1058		5/16"	(8mm)
65-1059		15/32"	(12mm)



SPINAL

ELEVATORS



65-1121	CODMAN Periosteal Elevator, sharp.		
	Blade width	$\frac{3}{16}$ "	(5mm)
	Length	8"	(203mm)



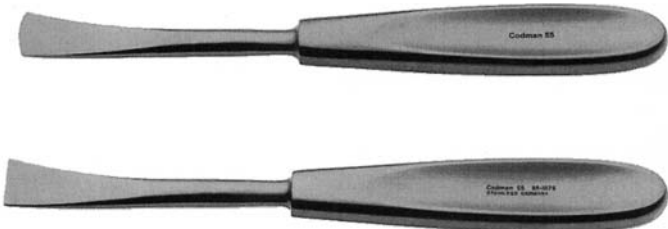
65-1047	CUSHING Little Joker Periosteal Elevators		
	Hollow handle		
	Blade width	$\frac{1}{4}$ "	(6mm)
65-1048	Solid handle		
	Blade width	$\frac{1}{4}$ "	(6mm)
	Length	$7\frac{1}{2}$ "	(191mm)



65-1050	CUSHING Periosteal Elevators, sharp.		
	Narrow		
	Blade width	$\frac{1}{4}$ "	(6mm)
65-1051	Extra narrow		
	Blade width	$\frac{3}{16}$ "	(5mm)



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



65-1075	CUSHING Periosteal Elevators, sharp, wide.		
	Rounded edge		
	Blade width	$\frac{5}{8}$ "	(16mm)
65-1076	Square edge		
	Blade width	$\frac{5}{8}$ "	(16mm)
	Length	$7\frac{1}{4}$ "	(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)



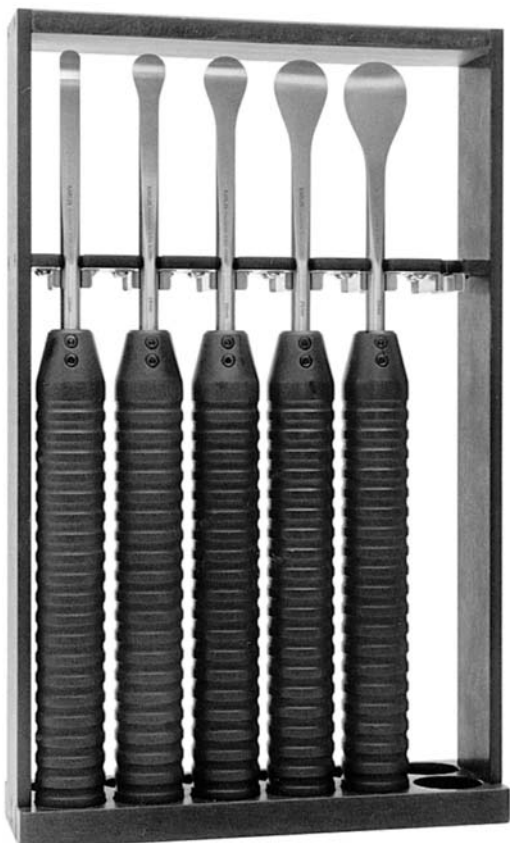
	HOEN Periosteal Elevators		
65-1001	No. 1 Blade width	$\frac{5}{16}$ "	(8mm)
	Total length	7"	(178mm)
65-1002	No. 2 Blade width	$\frac{5}{8}$ "	(15mm)
	Total length	$7\frac{1}{4}$ "	(184mm)
65-1003	No. 3 Blade width	$\frac{3}{4}$ "	(20mm)
	Total length	$7\frac{1}{2}$ "	(191mm)



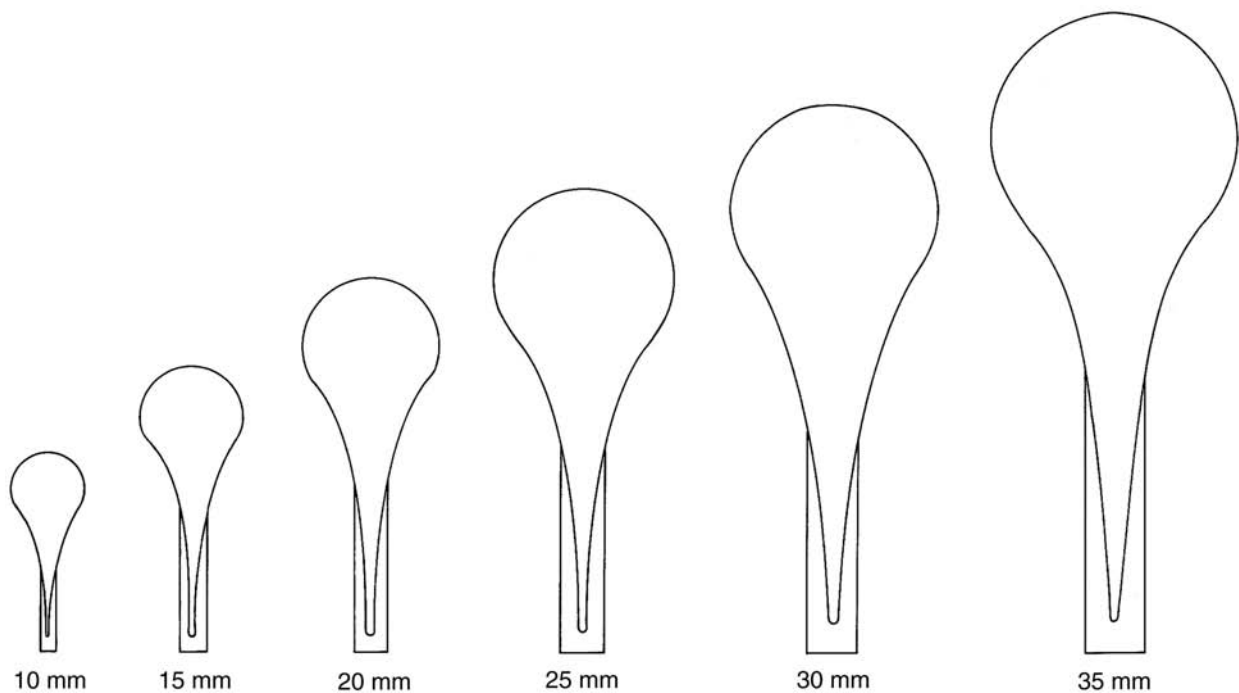
65-1080	IOWA UNIVERSITY Periosteal Elevator		
	Blade width	$1\frac{1}{16}$ "	(17mm)
	Length	$7\frac{1}{4}$ "	(184mm)



ELEVATORS



KARLIN™ XL MAGNUM Cobb Elevators		
Extra Length (XL), black handles, allow two-handed control. Sharp, broad instruments designed to facilitate soft tissue elevation and removal.		
Length	13.25"	(337mm)
Handle diameter	1.25"	(32mm)
46-3240	Set of six in case for twelve instruments	
	Includes:	
46-3241	10mm	
46-3242	15mm	
46-3243	20mm	
46-3244	25mm	
46-3245	30mm	
46-3246	35mm	
46-3222	XL MAGNUM instrument case for 12	



ELEVATORS

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)



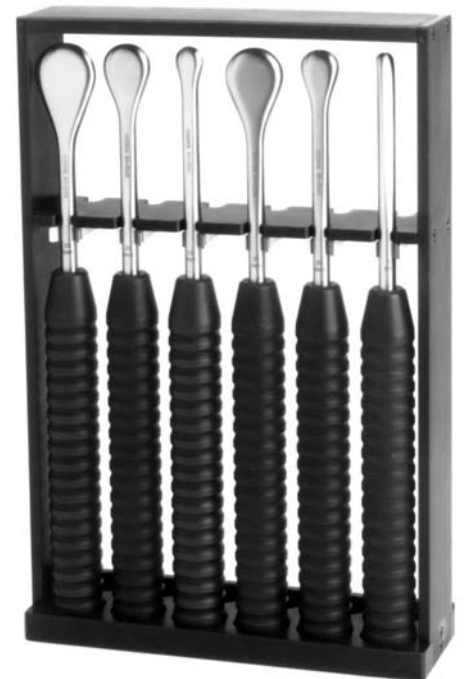
LANGENBECK Periosteal Elevators			
65-1115	Narrow		
	Blade width	$\frac{1}{4}$ "	(6mm)
	Length	8 $\frac{1}{4}$ "	(206mm)
65-1116	Wide		
	Blade width	1 $\frac{1}{16}$ "	(17mm)
	Length	7 $\frac{1}{2}$ "	(191mm)



65-1110	LOVE-ADSON Periosteal Elevator, semi-sharp.		
	Blade width	$\frac{3}{16}$ "	(5mm)
	Length	6 $\frac{1}{2}$ "	(165mm)



PG MAGNUM COBB Elevators			
46-3425	Total length	12.6"	(32cm)
	Handle length	7.8"	(20cm)
	Handle diameter	1.12"	(3cm)
	Working distance	4.7"	(12cm)
Broad razor sharp blades accelerate periosteal stripping while reducing potential for spinal canal penetration.			
Set of 6 COBB Elevators with Case includes:			
46-3426	COBB Elevator, Str. 10mm		
46-3427	COBB Elevator, Str. 15mm		
46-3428	COBB Elevator, Str. 20mm		
46-3429	COBB Elevator, Str. 25mm		
46-3430	COBB Elevator, Str. 30mm		
46-3431	COBB Elevator, Str. 35mm		
46-3407	Sterilizing Case for any 12 PG MAGNUM Instruments		



SPINAL

ELEVATORS



32-3420 MOLT, Periosteal Elevator #9
Length 7¼" (18.5cm)



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



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



65-1135 WOODSON Dural Separator and Packer, double-ended with groove in blade.
Blade width ⅛" (3mm)
Blade length ½" (13mm)
Total length 7" (178mm)



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

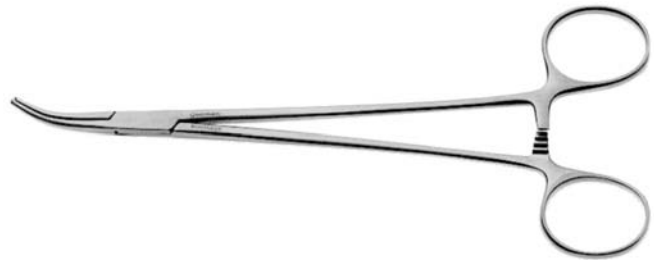
FORCEPS, DISCECTOMY

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



FORCEPS, LIGAMENTA FLAVA

30-1228	LIGAMENTA FLAVA Forceps, curved on side, 1x2 teeth.
Length	7¼" (184mm)



FORCEPS, MICRO

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



SPINAL

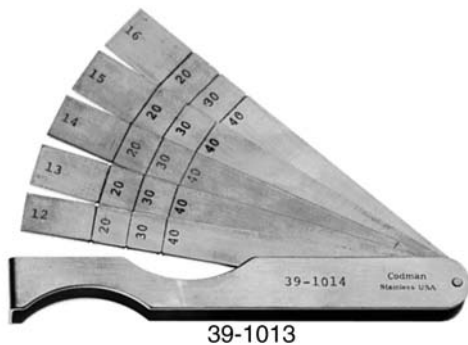
GAUGE



39-1015 CODMAN LW Gauge
Designed to be used anywhere on the spine to measure the length and width of a space.



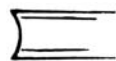
39-1012 CODMAN Depth Gauge
Length $8\frac{3}{8}"$ (213mm)



39-1013 CODMAN Spanner Gauge, small.
Length $5\frac{1}{8}"$ (130mm)
Width (7mm)
(8mm)
(9mm)
(10mm)
(11mm)

39-1014 CODMAN Spanner Gauge, large.
Length $5\frac{1}{8}"$ (130mm)
Width (12mm)
(13mm)
(14mm)
(15mm)
(16mm)

GOUGES



32-2660



32-2661



32-2662



32-2663



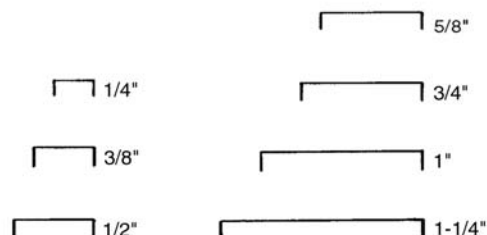
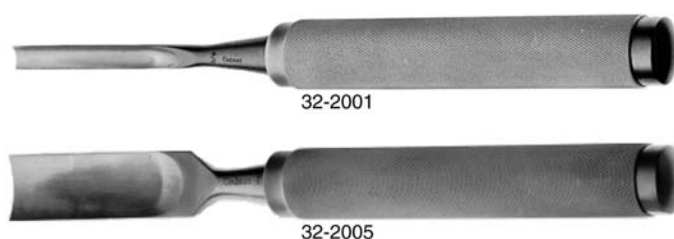
COBB Spinal Gouges
Tip width $\frac{1}{4}"$ (6mm)
Length 11" (279mm)
32-2660 Straight
32-2661 Lesser curve
32-2662 Full curve
32-2663 Reverse curve

Fits in Codman sterilizing and carrying case 21-1020.

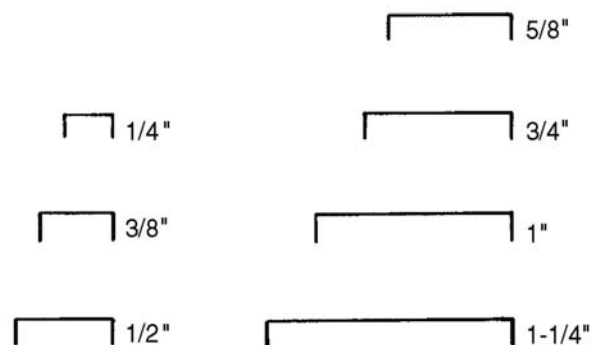
GOUGES

CODMAN Bone Gouges			
Straight	Length	11"	(279mm)
	Curved	Tip width	
32-2000	32-2010	1/4"	(6mm)
32-2001	32-2011	3/8"	(10mm)
32-2002	32-2012	1/2"	(13mm)
32-2003	32-2013	5/8"	(16mm)
32-2004	32-2014	3/4"	(19mm)
32-2005	32-2015	1"	(25mm)
32-2006	32-2016	1 1/4"	(32mm)

Fits in Codman sterilizing and carrying case 21-1020.



SMITH-PETERSEN Bone Gouges			
Straight	Length	8"	(203mm)
	Curved	Tip width	
32-2540	32-2550	1/4"	(6mm)
32-2541	32-2551	3/8"	(10mm)
32-2542	32-2552	1/2"	(13mm)
32-2543	32-2553	5/8"	(16mm)
32-2544	32-2554	3/4"	(19mm)
32-2545	32-2555	1"	(25mm)
32-2546	32-2556	1 1/4"	(32mm)



SPINAL

HAMMERS



88-1005	CODMAN Hammer		
	Small face diameter	3/4"	(19mm)
	Ball peen		
	Face diameter	1 1/16"	(11mm)
	Weight	8 oz.	(227 gm)
88-1006	CODMAN Hammer		
	Large face diameter	1"	(25.4mm)
	Ball peen		
	Face diameter	7/8"	(22mm)
	Weight	13 oz.	(368 gm)
	Length	9"	(229mm)

HOOK, BONE



Bone Hook		Hook Diameter	Length
32-3422	Large—Sharp,	6.0cm	8 1/2" (21.5cm)
32-3423	Heavy Duty—Sharp,	1.9cm	9" (22.9cm)
32-3424	Heavy Duty—Blunt,	1.9cm	9" (22.9cm)
32-3425	Heavy Duty—Sharp,	3.0cm	9" (22.9cm)

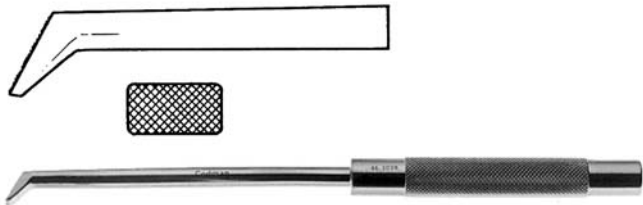
HOOKS, DURAL



38-1038	CODMAN Dural Hook, sharp.		
	Length	6 1/2"	(165mm)
	Tip Diameter		(2mm)

HOOKS, IMPACTORS

46-3008	CENTRAL Canal Impactor 30°		
	Used to impact symptomatic spondylophytes, placed beneath and clear of neurostructures. Slip resistant, textured impaction surface is held perpendicular to surrounding bone planes and impacted with a mallet. Tip oriented 30° from vertical.		
	Length	8 ³ / ₄ "	(22cm)
	Tip length	1 ¹ / ₂ "	(13mm)
	Tip width	7 ⁷ / ₃₂ "	(7mm)



HOOKS, LAMINECTOMY

SCOVILLE Hooks			
13-1004C	Length	2"	(51mm)
13-1005C	Length	3"	(76mm)



SCOVILLE Hooks with fixed crossbar.			
13-1064	Crossbar length	1"	(25mm)
	Length	1 ¹ / ₂ "	(38mm)
13-1065	Crossbar length	1"	(25mm)
	Length	2 ³ / ₁₆ "	(56mm)
13-1066	Crossbar length	1"	(25mm)
	Length	21 ⁵ / ₁₆ "	(75mm)



HOOKS, NERVE

38-1030	CUSHING Gasserian Ganglion Hook, Blunt		
	Hook depth	3 ³ / ₁₆ "	(5mm)
	Total length	9"	(229mm)



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		

IMPACTOR



51-1010	CODMAN Dowel Impactor, round.		
	Diameter	8mm	
	Length	9"	(229mm)

IMPACTOR GRAFT, BONE



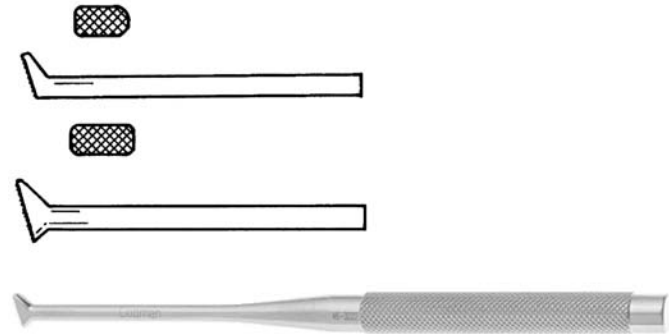
28-1000	CODMAN Bone Graft Impactor, double ended.		
	End diameter	7/16"	(11mm)
	End diameter	9/16"	(14mm)
	Length	8¾"	(222mm)



28-1003	CODMAN Bone Graft Impactor and Holder		
	Length	8¾"	(222mm)

IMPACTORS

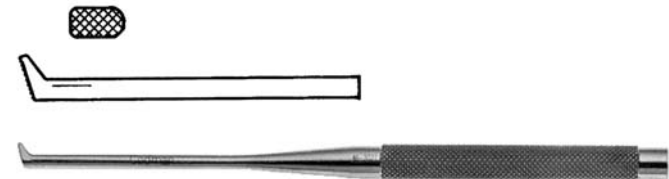
46-3020	CODMAN Micro Impactor Set The set includes:
	Length 7" (18cm)
46-3021	Micro Offset Central Canal Impactor Tip size .17" (4.3mm)
46-3022	Micro Lateral Gutter Impactor Tip size .37" (9.4mm)



46-3022	Micro Lateral Gutter Impactor Designed for Spondylophyte impaction within a limited exposure and within neuroforamina. Slip resistant textured impaction surface is held perpendicular to surrounding bone planes and impacted with mallet.
	Length 7" (178mm)
	Tip depth $\frac{5}{16}$ " (8mm)
	Tip width $\frac{5}{32}$ " (4mm)

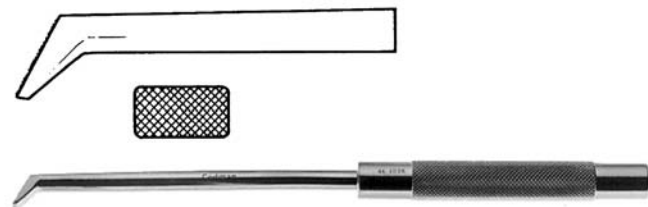


46-3021	MICRO Offset Central Canal Impactor Designed for spondylophyte impaction within a limited exposure; and, within neuroforamina. Slip resistant textured impaction surface is held perpendicular to surrounding bone planes and impacted with mallet.
	Length 7" (178mm)
	Tip length $\frac{1}{4}$ " (6mm)
	Tip width $\frac{5}{32}$ " (4mm)

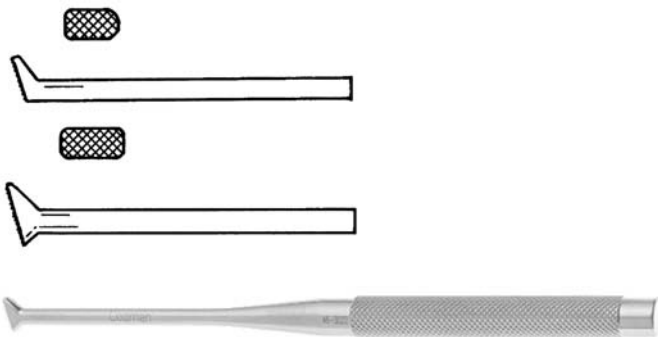


IMPACTORS, SPONDYLOPHYTE

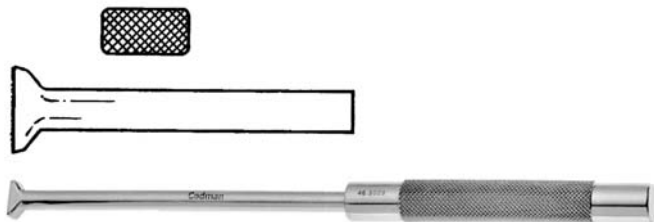
46-3008	CENTRAL Canal Impactor 30° Used to impact symptomatic spondylophytes, placed beneath and clear of neurostructures. Slip resistant, textured impaction surface is held perpendicular to surrounding bone planes and impacted with a mallet. Tip oriented 30° from vertical.
	Length $8\frac{3}{4}$ " (22cm)
	Tip length $\frac{1}{2}$ " (13mm)
	Tip width $\frac{7}{32}$ " (7mm)



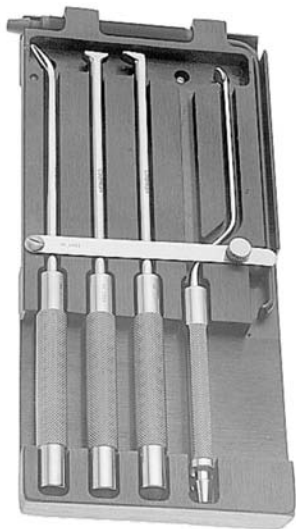
IMPACTORS, SPONDYLOPHYTE



- 46-3020** CODMAN Micro Impactor Set
The set includes:
Length 7" (18cm)
- 46-3021** Micro Offset Central Canal Impactor
Tip size .17" (4.3mm)
- 46-3022** Micro Lateral Gutter Impactor
Tip size .37" (9.4mm)



- 46-3009** LATERAL Gutter Impactor
Used to impact symptomatic spondylophytes. Placed beneath and clear of neurostructures. Slip resistant, textured impactation surface is held perpendicular to surrounding bone planes and impacted with a mallet.
- Length 8³/₄" (220mm)
Tip depth 1/2" (5mm)
Tip width 7/32" (13mm)



- 46-3002** LUMBAR SPONDYLOPHYTE IMPACTION SET
The impaction set is surgeon designed to correct symptomatic spondylophytes. Complementary instruments have been assembled in a set to meet expected indications. Additional (optional) support instruments are available for broader indications. The set includes one (each) of the following:
- 46-3003** Sterilizing O.R. Display Case
46-3005 Silver Bayonet Dural Suction Retractor
Macro tip 7/16" (10mm)
46-3006 Annular Dissector Perforator
46-3007 Offset Central Canal Impactor
46-3009 Lateral Gutter Impactor
46-3012 Black 90° Dural Suction Retractor
Micro tip 5/16" (8mm)

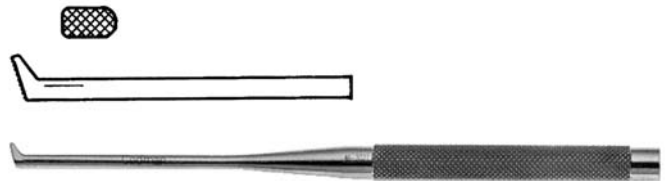
Instruments sold separately

IMPACTORS, SPONDYLOPHYTE

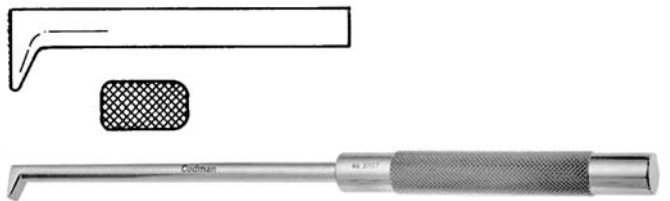
46-3022	Micro Lateral Gutter Impactor Designed for Spondylophyte impaction within a limited exposure and within neuroforamina. Slip resistant textured impaction surface is held perpendicular to surrounding bone planes and impacted with mallet.
Length	7" (178mm)
Tip depth	$\frac{5}{16}$ " (8mm)
Tip width	$\frac{5}{32}$ " (4mm)



46-3021	MICRO Offset Central Canal Impactor Designed for spondylophyte impaction within a limited exposure; and, within neuroforamina. Slip resistant textured impaction surface is held perpendicular to surrounding bone planes and impacted with mallet.
Length	7" (178mm)
Tip length	$\frac{1}{4}$ " (6mm)
Tip width	$\frac{5}{32}$ " (4mm)



46-3007	OFFSET Central Canal Impactor (Standard) Used to impact symptomatic spondylophytes. Placed beneath and clear of neurostructures. Slip resistant, textured impaction surface is held perpendicular to surrounding bone planes and impacted with a mallet. Used to impact symptomatic spondylophytes.
Length	8 $\frac{3}{4}$ " (22cm)
Tip length	$\frac{7}{16}$ " (10mm)
Tip width	$\frac{7}{32}$ " (5mm)



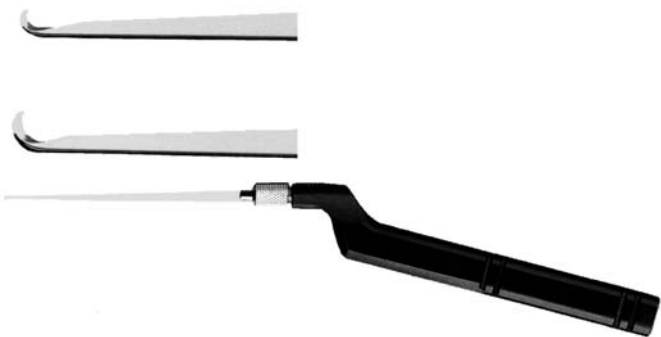
46-3005	SILVER Bayonet Dural Suction Retractor (Macro Tip) Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction control hole in handle. Reflective finish to benefit small wound (microdiscectomy) surgery.
Length	9" (22.5cm)
Tip width	$\frac{3}{8}$ " (9.5mm)
Tip depth	$\frac{1}{4}$ " (6mm)



KNIFE, MICRO



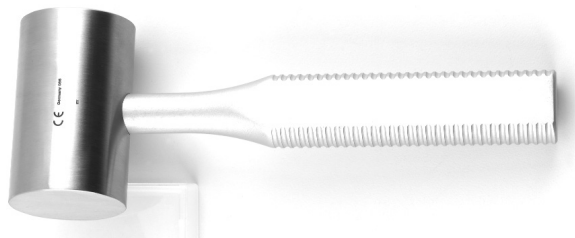
Javelin Micro-Knife Handles			
These Javelin Micro-Knife Handles are sold individually and are designed to be used with KARLIN™ Micro Tip and Ultra Tip Micro-Knife blades.			
46-3182	Straight		
46-3183	Bayonet		
	Instrument length	9.1"	(23cm)
	Working distance	4.6"	(12cm)
	Handle diameter	0.3"	(0.7cm)
KARLIN™ Disposable Blades			
46-3177	2mm Micro Tip		
46-3178	1.5mm Ultra Tip		



46-3174	KARLIN™ Micro-Knife Handle combines patented* black bayonet design, with a simple blade locking feature. Order blades separately.
46-3177	Micro Tip Blade, 2mm
46-3178	Ultra Micro Tip Blade, 1.5mm
	Blades packaged sterile, 10 per package.

*Patent No. D312,310

MALLETS



32-3330	HEATH Mallet, Flat, 2 lbs. (908g)		
	Length	7¼"	(18.4cm)
	Head Dimensions	2½" (6.4cm) × 1½" (4cm)	



88-2520	HIBBS Mallet, solid brass head.		
	Diameter	1½"	(38mm)
	Length	8"	(203mm)
	Weight	12 oz.	(340g.)

MALLETS

The KARLIN MAGNUM Mallets are designed to provide optimal forward weight distribution offering precision impact with minimum effort.	
46-3179	KARLIN MAGNUM Mallet, Small
Weight:	7.1 oz. (200 grms.)
Length:	9.5 in. (24.1 cm)
Diameter:	1.0 in. (2.5 cm)
46-3146	KARLIN MAGNUM Mallet, Large
Weight:	12 oz. (340 grms.)
Length:	9.72 in. (24.7 cm)
Diameter:	1.24 in. (2.5 cm)



88-2500	SMITH PETERSEN Mallet, solid brass head.
Diameter	1½" (38mm)
Length	7" (178mm)
Weight	15 oz. (420g.)



OSSEOUS DISSECTION KIT

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



SPINAL

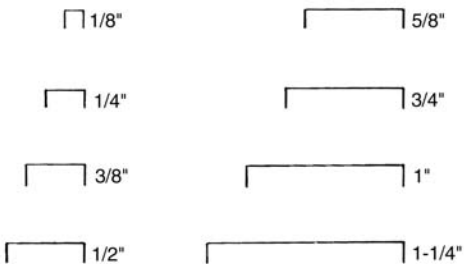
OSTEOTOMES



18-1013	CODMAN Osteotome		
	Blade width		4mm
	Length	7"	(178mm)



21-2500	CODMAN Gouge and Osteotome Case, holds seven SMITH-PETERSEN gouges or osteotomes.		
	Length	9"	(229mm)
	Width	6 ⁷ / ₈ "	(175mm)
	Depth	2 ¹ / ₄ "	(57mm)



CODMAN Osteotomes, straight.			
46-2000 46-2001 46-2002 46-2003 46-2004 46-2005 46-2006	Length	11"	(279mm)
	Tip width	1/4"	(6mm)
	Tip width	3/8"	(10mm)
	Tip width	1/2"	(13mm)
	Tip width	5/8"	(16mm)
	Tip width	3/4"	(19mm)
	Tip width	1"	(25mm)
46-2010 46-2011 46-2012 46-2013 46-2014 46-2015 46-2016	Tip width	1 1/4"	(32mm)
	CODMAN Osteotomes, curved.		
	Length	11"	(279mm)
	Tip width	1/4"	(6mm)
	Tip width	3/8"	(10mm)
	Tip width	1/2"	(13mm)
	Tip width	5/8"	(16mm)
	Tip width	3/4"	(19mm)
	Tip width	1"	(25mm)
	Tip width	1 1/4"	(32mm)

Fits in Codman sterilizing and carrying case 21-1020.

OSTEOTOMES

CODMAN Spinal Fusion Osteotomes

		Blade Width	Length	
46-1020	Curved	6mm	7½"	(190mm)
46-1021	Straight	6mm	7½"	(190mm)
46-1022	Straight	8mm	9½"	(241mm)
46-1023	Slightly curved	6mm	9½"	(241mm)
46-1024	Full curved	8mm	9½"	(241mm)
46-1025	Straight	6mm	9½"	(241mm)
46-1026	Curved	6mm	9½"	(241mm)
46-1019	Straight	10mm	9½"	(241mm)



HOKE Osteotome

	Length	6"	(15.2cm)
		Blade Width	
32-3430	Curved	0.3cm	
32-3431	Curved	0.6cm	
32-3432	Curved	1.3cm	
32-3433	Curved	1.0cm	
32-3434	Curved	1.6cm	
32-3435	Straight	0.6cm	
32-3436	Straight	1.0cm	
32-3437	Straight	1.3cm	
32-3438	Straight	1.6cm	
32-3439	Straight	0.3cm	



46-3050 KARLIN Curved Stiletto Osteotome Set with Case

Set Includes:

	Length	8½"	(216mm)
		Tip Size	
46-3051	Osteotome, Curved	¼"	(6mm)
46-3052	Osteotome, Curved	⅜"	(10mm)
46-3053	Osteotome, Curved	½"	(13mm)
46-3054	Osteotome, Curved	⅝"	(16mm)
46-3055	Osteotome, Curved	¾"	(19mm)

46-3056 Case for Curved Stiletto Osteotome

46-3060 Straight Stiletto Osteotome Set with Case

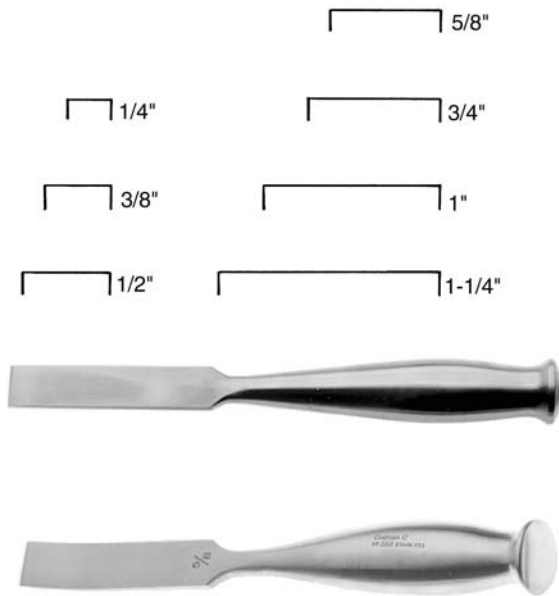
Set Includes:

	Length	8½"	(216mm)
		Tip Size	
46-3061	Osteotome, Straight	¼"	(6mm)
46-3062	Osteotome, Straight	⅜"	(10mm)
46-3063	Osteotome, Straight	½"	(13mm)
46-3064	Osteotome, Straight	⅝"	(16mm)
46-3065	Osteotome, Straight	¾"	(19mm)
46-3066	Case for Straight Stiletto Osteotome		



SPINAL

OSTEOTOMES



SMITH-PETERSEN Osteotomes, straight.		
	Blade thickness	2mm
	Length	8" (203mm)
46-2500	Tip width	1/4" (6mm)
46-2501	Tip width	3/8" (10mm)
46-2502	Tip width	1/2" (13mm)
46-2503	Tip width	5/8" (16mm)
46-2504	Tip width	3/4" (19mm)
46-2505	Tip width	1" (25mm)
46-2506	Tip width	1 1/4" (32mm)
SMITH-PETERSEN Osteotomes, curved.		
	Blade thickness	2mm
	Length	8" (203mm)
46-2510	Tip width	1/4" (6mm)
46-2511	Tip width	3/8" (10mm)
46-2512	Tip width	1/2" (13mm)
46-2513	Tip width	5/8" (16mm)
46-2514	Tip width	3/4" (19mm)
46-2515	Tip width	1" (25mm)
46-2516	Tip width	1 1/4" (32mm)

Fit in Codman Gouge and Osteotome case 21-2500.

POSTERIOR LUMBAR INTERBODY FUSION KIT (PLIF)



The CODMAN PLIF Instruments represent a coordinated instrument approach for surgical procedures treating lesions of the lumbar intervertebral discs.

- I. Lumbar Disc Lesions
- II. Spondylolisthesis
- III. Spinal Stenosis

CODMAN Posterior Lumbar Interbody Fusion (PLIF) Instruments

18-1020	CODMAN Chisel
18-1014	CODMAN Puka (Hole) Chisel No. 1
18-1015	CODMAN Puka (Hole) Chisel No. 2
11-1040	CODMAN Puka Chisel Handle
39-1012	CODMAN Depth Gauge
39-1014	CODMAN Spanner Gauge
88-1006	CODMAN Hammer, large
51-1010	CODMAN Dowel Impactor, round
51-1011C	CODMAN Square Punch, stepped down
50-1249	CODMAN Lumbar Lamina Retractor Body
50-1342	CODMAN Lumbar Lamina Blades, five prong, short, 2 ea.
50-1343	CODMAN Lumbar Lamina Blades, five prong, long, 2 ea.
50-1105	CODMAN Dural Retractor, self-retaining with three malleable blades.
61-1026	CODMAN Lumbar Interbody Spreader #2
61-1025	CODMAN Lumbar Lamina Spreader #1

POSTERIOR LUMBAR INTERBODY FUSION KIT (PLIF) II

- 80-1006** The CODMAN PLIF II Instrument Kit is used in conjunction with the existing CODMAN 80-1005. Together they provide a coordinated approach to posterior lumbar interbody fusion surgery.
- Kit includes:
- 21-1006** CODMAN PLIF II Instrument Case
- 23-1020C** CODMAN CONE Ring Curettes
- 7mm, angled 50°**
- CODMAN Elevators**
- 65-1056** 4mm, sharp
- 65-1057** 6mm, sharp
- 65-1058** 8mm, sharp
- 65-1059** 12mm, sharp
- 65-1121** 3/16", sharp periosteal
- CODMAN Osteotomes**
- 46-1019** 10mm, 9 1/2", straight
- 46-1020** 6mm, 7 1/2", curved
- 46-1021** 6mm, 7 1/2", straight
- 46-1022** 8mm, 9 1/2", straight
- 46-1023** 8mm, 9 1/2", slightly curved
- 46-1024** 6mm, 9 1/2", full curved
- 46-1025** 6mm, 9 1/2", straight
- 46-1062** 6mm, 9 1/2", curved
- 50-1362** CODMAN ADSON Retractor
- 50-1209** CODMAN Flexible Nerve Root Retractor



PUNCHES

- 51-1011C** CODMAN Square Punch, stepped down.
- | | |
|-----------|------------|
| Tip width | 13mm |
| Length | 9" (229mm) |



RASP

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



RASP



52-8000
52-8001

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



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

46-3012	90° DURAL Suction Retractor, Black (Micro)		
	Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction control hole in handle. Blackened to reduce glare.		
	Working distance	4¾"	(120mm)
	Handle length	4⅝"	(117mm)
	Tip width	⅞"	(8mm)
	Tip depth	¼"	(6mm)



RETRACTOR, BLADE

CODMAN Blade Retractors			
50-1050	Blade length	3"	(76mm)
	Handle length	4½"	(114mm)
	Blade width		18mm
50-1052	Blade width		20mm
50-1053	Blade width		23mm



SPINAL

RETRACTORS, BOOKWALTER, KITS



- 50-4631** BOOKWALTER Spinal Retractor includes:
- 50-4581** BOOKWALTER Table Post 1"
- 50-4582** BOOKWALTER Horizontal Flex Bar
- 50-4554** BOOKWALTER Post Coupling 1" x 1"
- 50-4635** BOOKWALTER Small Round Ring Segments (1 pair)
- 50-4636** BOOKWALTER Straight Ring Segment 4" (1 pair)
- 50-4637** BOOKWALTER Straight Ring Segment 6" (1 pair)
- 50-4638** BOOKWALTER Straight Ring Segment 8" (1 pair)
- 50-4579** BOOKWALTER Ratchet Mechanism (6 each)
- 50-4580** BOOKWALTER Tilt Ratchet Mechanism (4 each)
- 50-4639** SCOVILLE Hook Retractor, Small (2 each)
- 50-4640** SCOVILLE Hook Retractor, Large (2 each)
- 50-4641** MEYERDING Retractor, Small (2 each)
- 50-4642** MEYERDING Retractor, Medium (2 each)
- 50-4643** MEYERDING Retractor, Large (2 each)
- 50-4644** Deep Rake Retractor, Small (2 each)
- 50-4645** Skin Rake Retractor, Medium (2 each)
- 50-4646** Skin Rake Retractor, Large (2 each)
- 50-4647** BOOKWALTER Spinal Retractor Storage/Sterilizing Case

See the Bookwalter Section of this catalog for a complete listing of our Bookwalter Products

RETRACTORS, CERVICAL



- 50-1390** CODMAN Cervical Retractor Set, small, self-retaining, with 7 pairs of blunt blades.
Length 6" (152mm)
Total opening 3³/₄" (95mm)
Includes the following:
- 50-1356** CODMAN Cervical Retractor Body, small.
CODMAN Retractor Blades, blunt.
Blade depth
- 50-1391** 25mm
- 50-1392** 30mm
- 50-1393** 35mm
- 50-1394** 40mm
- 50-1395** 45mm
- 50-1396** 50mm
- 50-1397** 55mm

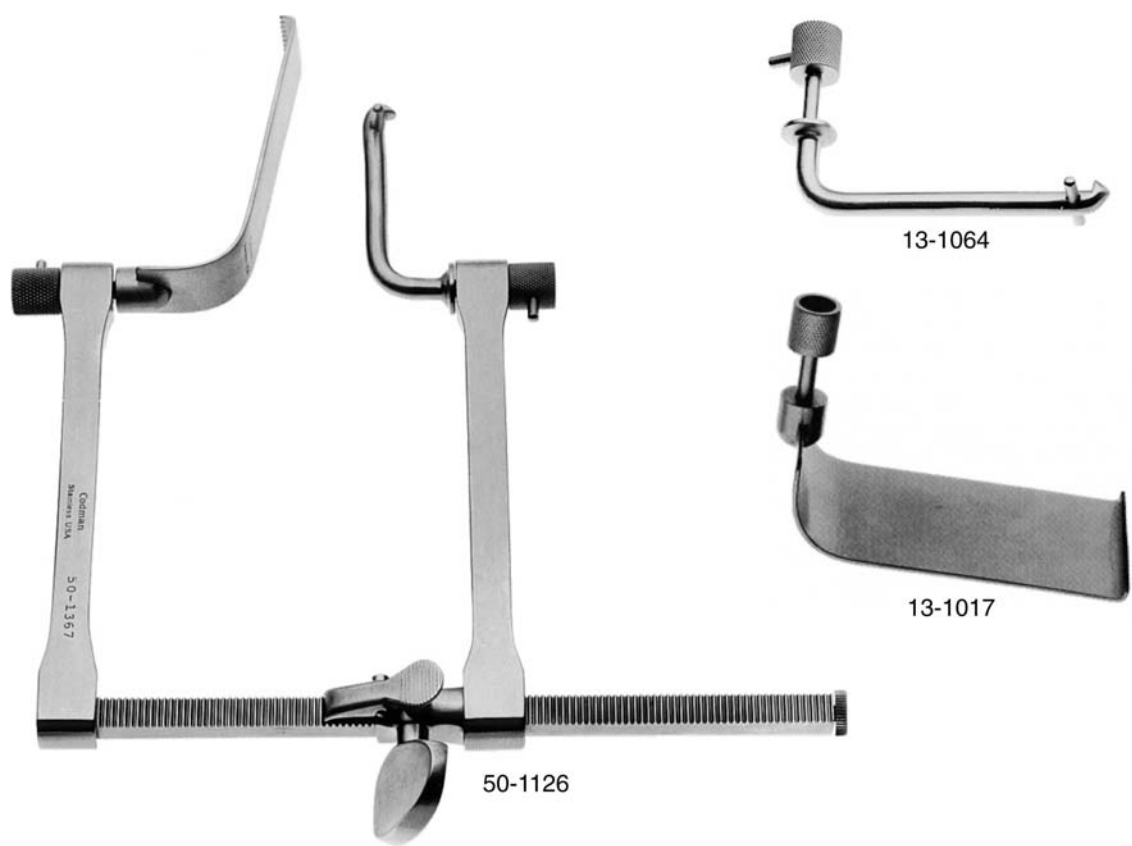
RETRACTORS, CERVICAL



50-1380	CODMAN Cervical Retractor Set, large, self-retaining, with 7 pairs of sharp blades.		
	Length	10"	(254mm)
	Total opening	4½"	(114mm)
	Includes the following:		
50-1346	CODMAN Cervical Retractor Body, large.		
	CODMAN Retractor Blades, sharp, four prongs.		
	Prong Depth		
	Prong width	20mm	
50-1381	25mm		
50-1382	30mm		
50-1383	35mm		
50-1384	40mm		
50-1385	45mm		
50-1386	50mm		
50-1387	55mm		

SPINAL

RETRACTORS, CERVICAL



50-1367	SCOVILLE Cervical Disc Retractor, self-retaining with ratchet action. Includes the following:		
50-1126	SCOVILLE Cervical Disc Retractor Body		
	Arm length	5 ⁹ / ₁₆ "	(141mm)
	Length	5"	(127mm)
	Total opening	5"	(127mm)
	SCOVILLE Hooks		
13-1064	Length	1 ¹ / ₂ "	(38mm)
13-1065	Length	2"	(51mm)
13-1066	Length	2 ³ / ₄ "	(70mm)
	MEYERDING Retractor Blades		
13-1061	Blade width	1"	(25mm)
	Blade depth	2"	(51mm)
13-1017	Blade width	2"	(51mm)
	Blade depth	3 ¹ / ₂ "	(89mm)
13-1063	Blade width	1"	(25mm)
	Blade depth	3 ¹ / ₄ "	(82mm)

RETRACTOR, CERVICAL, BLADES

	CODMAN Single Tooth Retractor Blade
50-1388	35mm
50-1389	45mm
	Used with 50-1830 CODMAN Cervical Retractor, Large or 50-1390 Codman Cervical Retractor, Small.



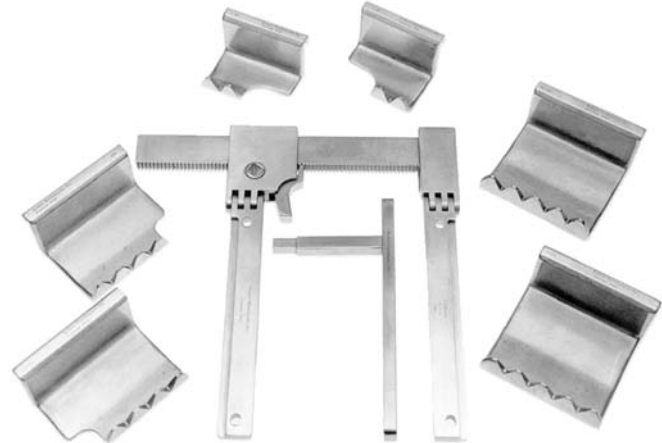
50-1388



50-1389

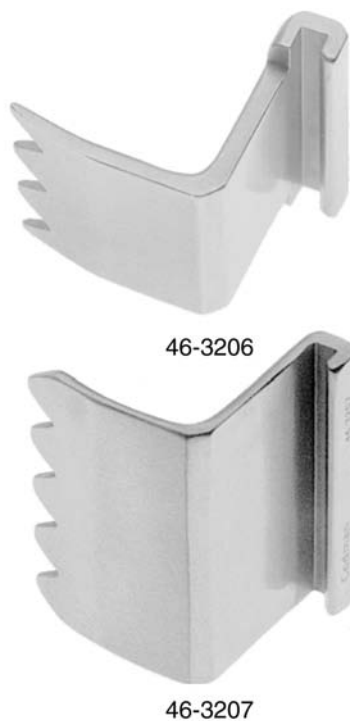
RETRACTOR, CRANK FRAME, SET

46-3190	KARLIN CRANK FRAME SPINAL RETRACTOR SET Designed for posterior Lumbar and Thoracic spine surgery. Arm design allows the blades to be pre-positioned in the wound prior to attachment. Blades are interchangeable. Multiple blades may be used on each retractor arm. Maximum width opening 5½" (140mm) Crank Frame Spinal Retractor Set Includes:
46-3191	Crank Frame Retractor Body
46-3192	Crank Frame Retractor Ratchet
46-3193	Blade with Sacral cutout, Left 1¼" x 1½" (31mm x 38mm)
46-3194	Blade with Sacral cutout, Right 1¼" x 1½" (31mm x 38mm)
46-3195	Blade with Sacral cutout, Left 2¼" x 1¾" (57mm x 44mm)
46-3196	Blade with Sacral cutout, Right 2¼" x 1¾" (57mm x 44mm)
46-3197	Blade, Left/Right (2 in Set, 1 with re-order) 3" x 2½" (76mm x 64mm)



SPINAL

RETRACTOR, CRANK FRAME, COMPONENTS



	Crank Frame Retractor Blade, Semi Hemi
46-3206	Size 1 1/4" x 1 1/4" (31mm x 31mm)
46-3207	Size 2" x 1 1/4" (51mm x 31mm)



	CRANK FRAME RETRACTOR Blades. Additional Blades for use with Crank Frame Retractor Body 46-3191.
46-3199	Blades, Left and Right pair, offset 3/4" x 1 1/4" (19mm x 31mm)
46-3200	Blades, Left and Right pair, offset 3/4" x 1 3/4" (19mm x 44mm)
46-3201	Blades, Left and Right pair, offset 3/4" x 2 1/4" (19mm x 57mm)
46-3202	Blades, Left and Right pair, offset 3/4" x 3" (19mm x 76mm)
46-3203	Blades, Left and Right pair, offset 3/4" x 3 1/4" (19mm x 83mm)
46-3204	Blades, Left and Right pair, offset 3/4" x 4" (19mm x 102mm)
46-3205	Blades, Left and Right pair 2" x 4" (51mm x 102mm)

RETRACTOR, CRANK FRAME, COMPONENTS

KARLIN Pronged Retractor Blades

The KARLIN pronged blades are used in conjunction with any of the standard offset blades offered with the Crank Frame Retractor System. These blades expand the capability of the retractor to include unilateral minimal incision surgery.



		Depth
46-3208	Crank Frame Retractor Blade, Single Prong	1.5" (38mm)
46-3209	Crank Frame Retractor Blade, Single Prong	2.0" (51mm)
46-3210	Crank Frame Retractor Blade, Single Prong	2.5" (64mm)
46-3211	Crank Frame Retractor Blade, Double Prong	1.5" (38mm)
46-3212	Crank Frame Retractor Blade, Double Prong	2.0" (51mm)
46-3213	Crank Frame Retractor Blade, Double Prong	2.5" (64mm)

RETRACTOR, DISCECTOMY, MICROLUMBAR

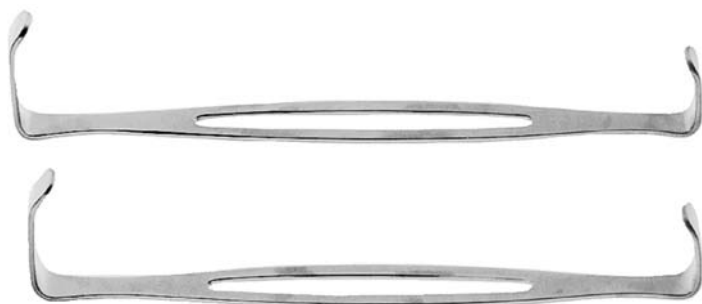
WILLIAMS Micro Discectomy Instruments are designed to be used in the microsurgical treatment of herniated disks. WILLIAMS Instruments include: WILLIAMS Microlumbar Discectomy Retractor, self-retaining wound retraction for deep exposure. Total length 6" [15.2cm]

	Blade Width	Blade Length
80-1650	1cm	5cm
80-1651	2cm	5cm
80-1652	1cm	7cm
80-1653	2cm	7cm



SPINAL

RETRACTORS, DOUBLE ENDED



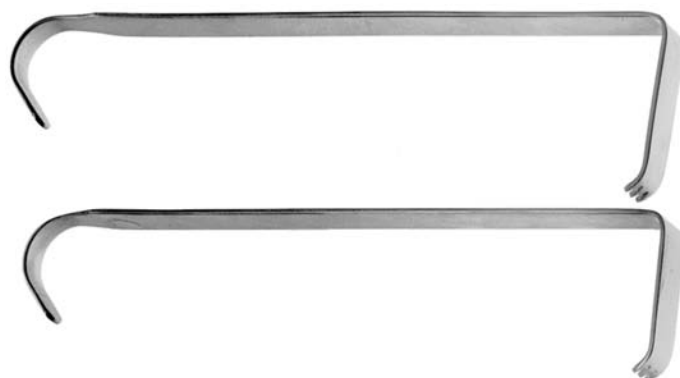
50-4071	U.S. ARMY Retractors, double-ended, set of two.		
	Length	8 ⁵ / ₁₆ "	(211mm)
	Blade width	1 ³ / ₄ "	(44mm)
	Blade depth	9/ ₁₆ "	(14mm)
	Blade width	1 ¹ / ₄ "	(32mm)
	Blade depth	9/ ₁₆ "	(14mm)

RETRACTOR, DURAL



50-1105	CODMAN Dural Retractor, self-retaining with three malleable blades.		
	Blade length	4"	(102mm)
	Length	8 ¹ / ₄ "	(210mm)
	Blade width	11mm	
	Blade width	13mm	
	Blade width	15mm	

RETRACTORS, GENERAL PURPOSE



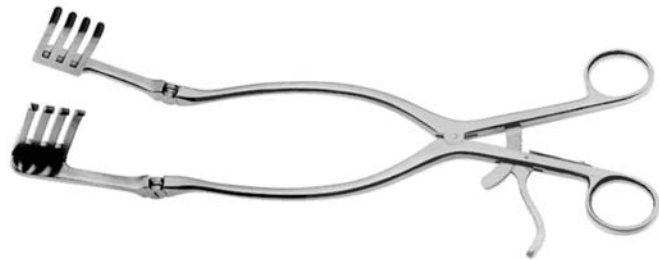
50-2558C	HIBBS Retractors, double-ended, set of two.		
	Blade width	3/ ₄ "	(19mm)
	Blade depth	2"	(51mm)
	Length	9 ¹ / ₄ "	(235mm)

RETRACTORS, LAMINECTOMY



50-1255	BADGLEY Laminectomy Retractor, self-retaining		
	Blade width	1 ³ / ₄ "	(44mm)
	Blade depth	2"	(51mm)
	Total opening	6 ³ / ₈ "	(162mm)

	BECKMAN-ADSON Laminectomy Retractors, self-retaining with hinged arms.		
50-1160	Four prong, blunt blades		
	Blade width	1"	(25mm)
	Blade depth	1 ¹ / ₄ "	(32mm)
	Total opening	5"	(127mm)
	Length	12 ¹ / ₈ "	(308mm)
50-1161	Four prong, sharp blades		
	Blade width	1"	(25mm)
	Blade depth	1"	(25mm)
	Total opening	5"	(127mm)
	Length	12"	(305mm)
50-1162	Four prong, blunt blades		
	Blade width	1"	(25mm)
	Blade depth	1 ³ / ₄ "	(44mm)
	Total opening	5 ¹ / ₂ "	(140mm)
	Length	12"	(305mm)



SPINAL

RETRACTORS, LAMINECTOMY



50-1163	BECKMAN-EATON Laminectomy Retractor, self-retaining with hinged arms. Seven prong blades		
	Blade width	1 $\frac{3}{4}$ "	(44mm)
	Blade depth	1 $\frac{7}{8}$ "	(48mm)
	Total opening	5 $\frac{1}{2}$ "	(140mm)
	Length	12 $\frac{3}{4}$ "	(324mm)



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



	MARKHAM-MEYERDING Hemilaminectomy Retractors, self-retaining.		
	Blade width	1"	(25mm)
	Blade depth	2"	(51mm)
	Total opening	3 $\frac{3}{4}$ "	(95mm)
	Total length	7"	(178mm)
50-1205	Left		
50-1206	Right		

RETRACTORS, LAMINECTOMY

	MEYERDING Laminectomy Retractors, self-retaining		
	Total opening	3 $\frac{3}{4}$ "	(95mm)
	Total length	6 $\frac{1}{2}$ "	(165mm)
50-1190	Blade width	1"	(25mm)
	Blade depth	2 $\frac{1}{4}$ "	(57mm)
50-1191	Blade width	1"	(25mm)
	Blade depth	2"	(51mm)
50-1192	Blade width	1"	(25mm)
	Blade depth	1 $\frac{3}{4}$ "	(41mm)



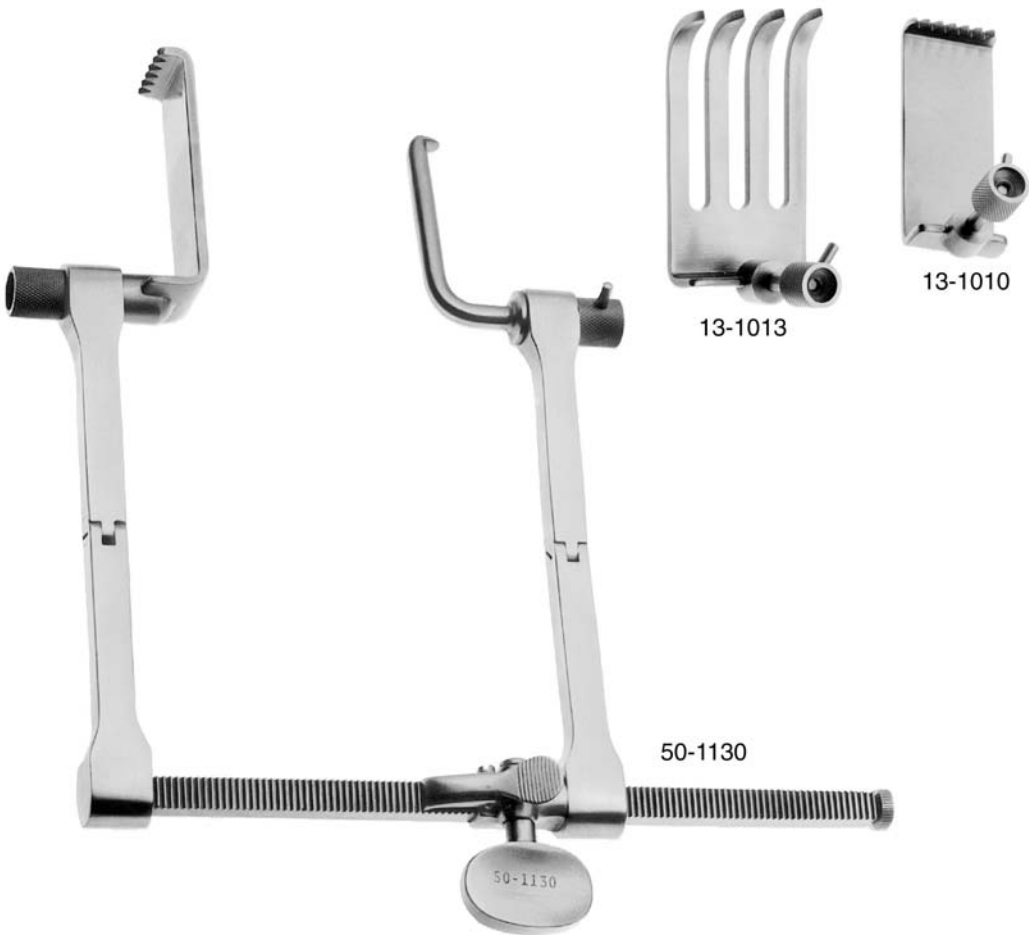
	MEYERDING Laminectomy Retractors		
50-1065	Blade width	$\frac{5}{8}$ "	(16mm)
	Blade depth	2"	(51mm)
	Length	9"	(229mm)
50-1066	Blade width	1"	(25mm)
	Blade depth	3"	(76mm)
	Length	9 $\frac{1}{2}$ "	(241mm)
50-1067	Blade width	2"	(51mm)
	Blade depth	3 $\frac{1}{2}$ "	(89mm)
	Length	9 $\frac{1}{2}$ "	(241mm)

50-1212	POPPEN-GELPI Laminectomy Retractor, self-retaining		
	Total opening	2 $\frac{1}{2}$ "	(64mm)
	Length	5 $\frac{1}{2}$ "	(140mm)



SPINAL

RETRACTORS, LAMINECTOMY



50-1130	SCOVILLE-HAVERFIELD Hemilaminectomy Retractor, self-retaining with ratchet action and hinged arms. Includes the following:		
50-1131	SCOVILLE-HAVERFIELD Hemilaminectomy Retractor Body		
	Arm length	5 ³ / ₄ "	(146mm)
	Total opening	7"	(178mm)
	SCOVILLE Retractor Blades		
13-1008	Blade width	1"	(25mm)
	Blade depth	2 ¹ / ₂ "	(64mm)
	SCOVILLE Hook		
13-1004C	Length	2"	(51mm)
	Optional Blades		
13-1010	Blade width	1 ¹ / ₈ "	(29mm)
	Blade depth	2 ⁵ / ₈ "	(67mm)
13-1011	Blade width	1"	(25mm)
	Blade depth	3 ¹ / ₂ "	(89mm)
	SCOVILLE Retractor Blades, four prong.		
13-1012	Blade width	1 ¹ / ₂ "	(38mm)
	Blade depth	1 ⁵ / ₈ "	(41mm)
13-1013	Blade width	1 ³ / ₄ "	(44mm)
	Blade depth	2 ⁵ / ₈ "	(67mm)

RETRACTORS, LAMINECTOMY

50-1125	SCOVILLE Hemilaminectomy Retractor, self-retaining. Includes the following:		
50-1126	SCOVILLE Hemilaminectomy Retractor Body		
	Arm length	5 ⁹ / ₁₆ "	(141mm)
	Total opening	5"	(127mm)
13-1004C	SCOVILLE Retractor Hook		
	Length	2"	(51mm)
13-1008	SCOVILLE Retractor Blade		
	Blade width	1"	(25mm)
	Blade depth	2 ¹ / ₂ "	(64mm)
	Optional Blade		



50-1211	SELETZ-GELPI Laminectomy Retractor, self-retaining with arms bent at right angles.		
	Arm length	2 ⁹ / ₁₆ "	(65mm)
	Total opening	3 ³ / ₄ "	(95mm)
	Length	6 ¹ / ₄ "	(159mm)



	TAYLOR Spinal Retractors		
50-1085	Blade width	1 ³ / ₁₆ "	(30mm)
	Blade depth	3"	(76mm)
	Length	7 ¹ / ₄ "	(184mm)
50-1086	Blade width	1 ¹ / ₄ "	(32mm)
	Blade depth	4"	(102mm)
	Length	7 ¹ / ₄ "	(184mm)



SPINAL

RETRACTORS, LAMINECTOMY



-
- 50-1120** VALIN Hemilaminectomy Retractor, self-retaining with rack and pinion action.
Total opening 4½" (114mm)
Includes the following:
- 50-1121** VALIN Hemilaminectomy Retractor Body
- 13-1004C** SCOVILLE Retractor Hook
Length 2" (51mm)
- 13-1008** SCOVILLE Retractor Blade
Blade width 1" (25mm)
Blade depth 2½" (64mm)
-

RETRACTORS, LAMINECTOMY, BLADE



-
- 13-1009** SCOVILLE Retractor Blade
Blade Width 2" (51mm)
Blade Length 2½" (64mm)
-

RETRACTORS, LAMINECTOMY, BLADE

	TAYLOR Laminectomy Blades		
13-1054	Three prong		
	Blade width	1½"	(38mm)
	Blade depth	1¾"	(45mm)
13-1055	Four prong		
	Blade width	2"	(51mm)
	Blade depth	1⅞"	(48mm)
13-1056	Four prong		
	Blade width	2¼"	(57mm)
	Blade depth	2½"	(64mm)
13-1057	Four prong		
	Blade width	2¼"	(57mm)
	Blade depth	3⅛"	(79mm)



RETRACTOR, LUMBAR

50-1249	CODMAN Lumbar Retractor Body, self-retaining. Use 50-1342, 50-1343 blades with 50-1249 Lumbar Retractor.		
	Length	9"	(229mm)
	Total opening	5"	(127mm)



SPINAL

RETRACTORS, MICROSURGICAL



80-1650
80-1651
80-1652
80-1653

WILLIAMS Micro Dissectomy Instruments are designed to be used in the microsurgical treatment of herniated disks.

WILLIAMS Instruments include:
WILLIAMS Microlumbar Dissectomy Retractor, self-retaining wound retraction for deep exposure. Total Length 6" [15.2cm]

Blade Width	Blade Length
1cm	5cm
2cm	5cm
1cm	7cm
2cm	7cm

RETRACTORS, NERVE ROOT



46-3012

90° DURAL Suction Retractor, Black (Micro)
Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction control hole in handle. Blackened to reduce glare.

Working distance	4 ³ / ₄ "	(120mm)
Handle length	4 ⁵ / ₈ "	(117mm)
Tip width	9 ³ / ₃₂ "	(8mm)
Tip depth	1 ¹ / ₄ "	(6mm)



46-3011

BLACK Bayonet Dural Suction Retractor (Micro)
Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction control hole in handle. Black finish minimizes operative glare.

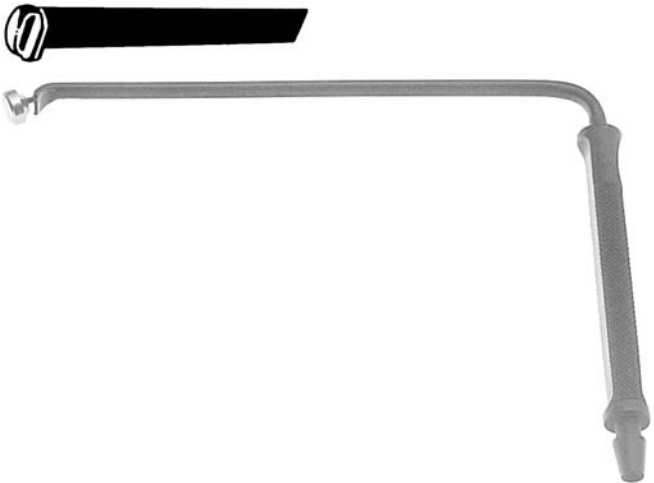
Length	8 ¹ / ₂ "	(220mm)
Tip width	1 ¹ / ₄ "	(6mm)
Tip depth	1 ¹ / ₄ "	(6mm)

RETRACTORS, NERVE ROOT

46-3013	BLACK 90° DURAL Suction Retractor (Standard Macro)		
	Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction hole in handle. Blackened to reduce glare.		
	Working distance	4 ³ / ₄ "	(120mm)
	Handle length	4 ¹ / ₂ "	(114mm)
	Tip width	3/ ₈ "	(9.5mm)
	Tip depth	1/ ₄ "	(6mm)

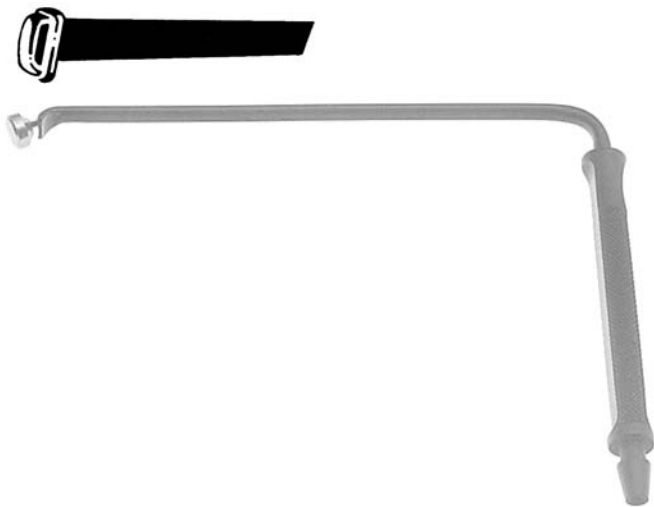


46-3014	BLACK 90° DURAL Suction Retractor (Extended Micro)		
	Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction hole in handle. Blackened to reduce glare.		
	Working distance	5 ³ / ₄ "	(146mm)
	Handle length	4 ⁵ / ₈ "	(117mm)
	Tip width	1/ ₄ "	(6mm)
	Tip depth	1/ ₄ "	(6mm)



SPINAL

RETRACTORS, NERVE ROOT



46-3015	BLACK 90° DURAL Suction Retractor (Extended Macro)		
	Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction hole in handle. Blackened to reduce glare.		
	Working distance	5 ³ / ₄ "	(146mm)
	Handle length	4 ⁵ / ₈ "	(117mm)
	Tip width	3 ³ / ₈ "	(9.5mm)
	Tip depth	1 ¹ / ₄ "	(6mm)



50-1326	CAMPBELL Nerve Root Retractor, malleable shaft.		
	Blade width	3 ³ / ₈ "	(10mm)
	Length	8 ¹ / ₂ "	(216mm)



50-1209	CODMAN Flexible Nerve Root Retractor		
	Length	8 ¹ / ₂ "	(210mm)
	Blade length	1"	(26mm)
	Blade width	5 ⁵ / ₁₆ "	(8mm)



50-1270	D'ERRICO Nerve Root Retractor		
	Blade width	1 ¹ / ₄ "	(6mm)
	Length	9"	(229mm)

RETRACTORS, NERVE ROOT

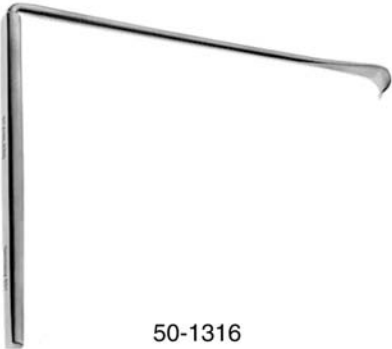


50-1331	HOLSHER Nerve Root Retractor		
	Blade width	$\frac{5}{16}$ "	(7mm)
	Length	$9\frac{3}{4}$ "	(248mm)

50-1315	LOVE Nerve Root Retractors		
	Straight		
	Blade width	$\frac{1}{4}$ "	(6mm)
	Length	$7\frac{5}{8}$ "	(194mm)
50-1316	90° angle		
	Blade width	$\frac{1}{4}$ "	(6mm)
	Shaft length	4"	(102mm)
	Handle length	$3\frac{3}{4}$ "	(95mm)
50-1317	135° angle		
	Blade width	$\frac{1}{4}$ "	(6mm)
	Shaft length	4"	(102mm)
	Handle length	$3\frac{1}{4}$ "	(95mm)



50-1315



50-1316



50-1317

SPINAL

RETRACTORS, NERVE ROOT



	SCOVILLE Nerve Root Retractors, 90° angle.		
	Shaft length	4 1/4"	(108mm)
	Handle length	5"	(127mm)
50-1291	Blade width	5/16"	(8mm)
50-1293	Blade width	1/2"	(13mm)



46-3005	SILVER Bayonet Dural Suction Retractor (Macro Tip)		
	Allows adequate retraction, elevation and protection of affected nerve root. Designed to preserve wound access and visualization. Variable suction control hole in handle. Reflective finish to benefit small wound (microdiscectomy) surgery.		
	Length	9"	(22.5cm)
	Tip width	3/8"	(9.5mm)
	Tip depth	1/4"	(6mm)



50-1275	SMITH Nerve Root Suction Retractor, with obturator and thumb control for suction.		
	Tip width	1/4"	(6mm)
	Tip depth	1/8"	(3mm)
	Shaft length	5 1/4"	(133mm)
	Handle length	7"	(178mm)

RETRACTORS, NERVE ROOT

50-1310	WEARY Nerve Root Retractor, black finish.		
	Blade width	7/16"	(11mm)
	Shaft length	5 3/4"	(146mm)
	Handle length	5 3/4"	(146mm)



RETRACTORS, SELF-RETAINING

	CASPAR Retractor for Spine		
32-3640	Set (includes the following)		
32-3641	Body Max Opening 14.5cm		
	Width 12.5cm × 16.5cm		
	Blade	Length	Width
32-3642	L/R, 2 Prong	3.2cm	2.2cm
32-3643	L/R, 2 Prong	3.7cm	2.2cm
32-3644	L/R, 2 Prong	4.2cm	2.2cm
32-3645	L/R, 2 Prong	4.7cm	2.2cm
32-3646	L/R, 2 Prong	5.2cm	2.2cm
32-3647	L/R, 2 Prong	5.7cm	2.2cm
32-3648	L/R, 2 Prong	6.2cm	2.2cm
32-3649	L/R, 2 Prong	6.7cm	2.2cm
32-3650	CTR, 1 Prong	3.8cm	
32-3651	CTR, 1 Prong	5.8cm	
32-3668	Set Driver		



SPINAL

RETRACTORS, SELF-RETAINING



HENLY Retractor			
32-3652	Complete Set, (3 Pair Side Blades, 4 Ctr Blades)		
32-3653	Body, Max Opening 80mm Handle Length 7" (17.8cm)		
		Blade Length	Blade Width
32-3654	Blade, CTR	$\frac{5}{8}$ " (1.6cm)	$\frac{3}{4}$ " (1.9cm)
32-3655	Blade, CTR	$\frac{5}{8}$ " (1.6cm)	1" (2.5cm)
32-3656	Blade, CTR	$\frac{5}{8}$ " (1.6cm)	1 $\frac{1}{4}$ " (3.2cm)
32-3657	Blade, L/R, Pair	1" (2.5cm)	1" (2.5cm)
32-3658	Blade, L/R, Pair	1" (2.5cm)	2" (5.1cm)
32-3659	Blade, L/R, Pair	$\frac{7}{8}$ " (2.2cm)	3" (7.6cm)

RETRACTOR, TISSUE



50-1223

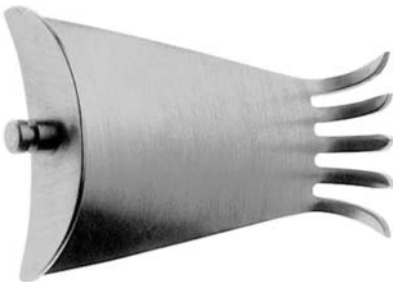


50-1224

CODMAN Tissue Retractors			
	Length	$5\frac{1}{4}$ "	(133mm)
	Total opening	$2\frac{1}{2}$ "	(64mm)
50-1223CO	3x3 blunt prongs		
	Prong width	$\frac{1}{2}$ "	(13mm)
	Prong depth	$\frac{5}{8}$ "	(16mm)
50-1224CO	1x1 blunt prongs		
	Prong depth	$\frac{1}{2}$ "	(13mm)

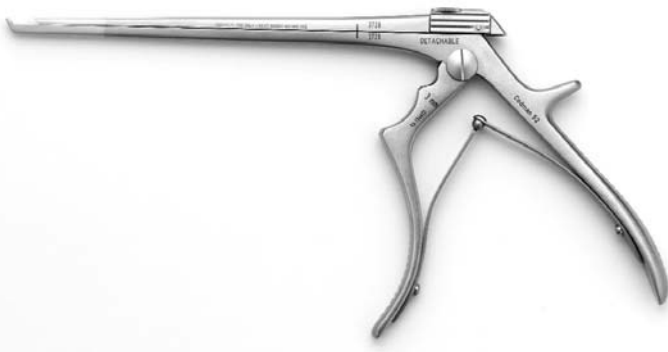
RETRACTOR, BLADES

	CODMAN Retractor Blades, sharp, five prong. Blade width tapers from 2" (51mm) to 1" (25mm).		
50-1342	Prong depth	2"	(51mm)
50-1343	Prong depth	2½"	(64mm)

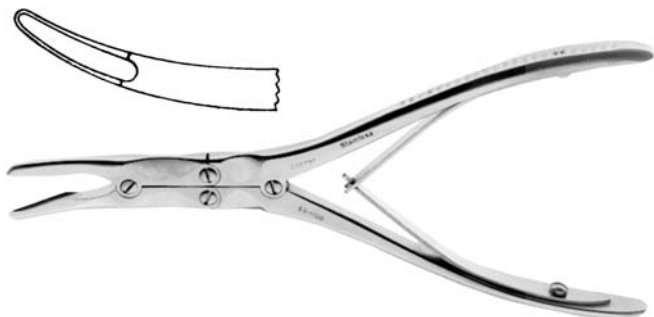


RONGEUR, CERVICAL, DETACHABLE

	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, BONE, DOUBLE ACTION



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



53-1127

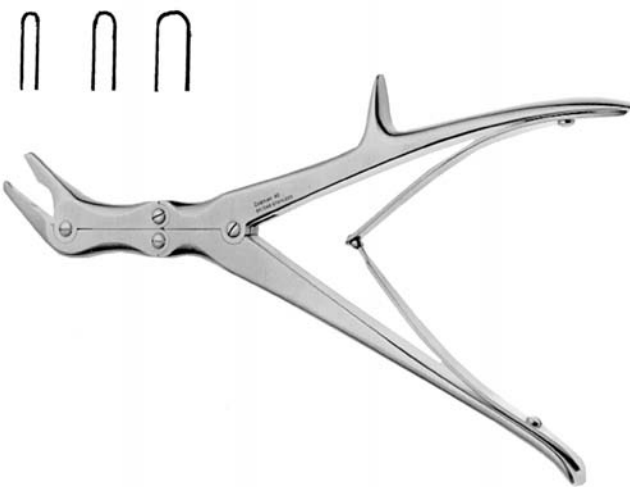


53-1128

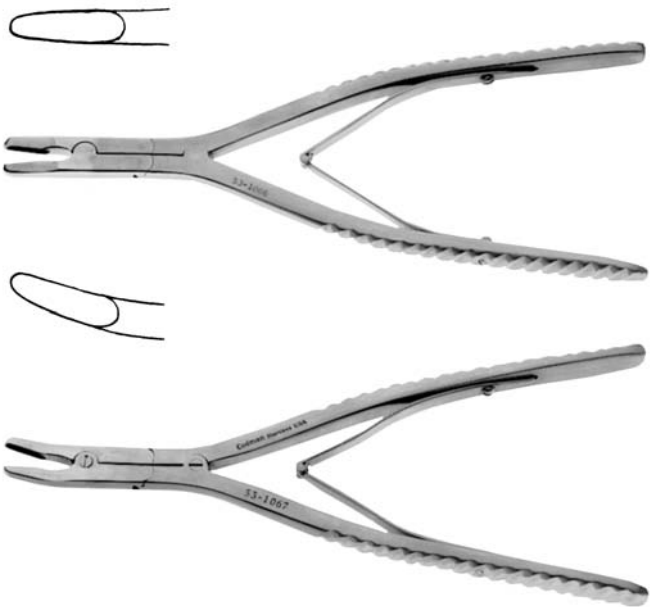
53-1125	CODMAN LEKSELL Laminectomy Rongeurs, double-action.		
	Regular curve, wide jaw		
	Bite		8mm
53-1126	Full curve, wide jaw		
	Bite		8mm
	Length	9"	(229mm)
53-1127	Regular curve, narrow jaw		
	Bite		5mm
	Length	9"	(229mm)
53-1128	Full curve, narrow jaw		
	Bite		5mm
	Length	9"	(229mm)

RONGEURS, BONE, DOUBLE ACTION

	ECHLIN Laminectomy Rongeurs, double-action, angular		
	Length	8¾"	(222mm)
53-1045	Bite		2mm
53-1046	Bite		3mm
53-1047	Bite		4mm



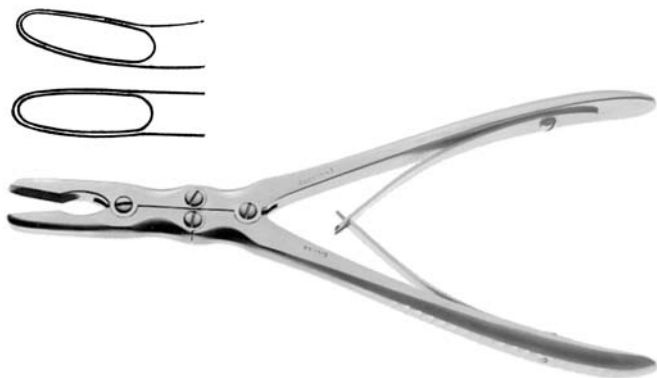
	FULTON Laminectomy Rongeurs, cup size 15mm x 16mm narrow blade, double-action.		
	Length	7½"	(191mm)
53-1060	Straight		
53-1061	Slightly curved		
	Length	9½"	(241mm)
53-1066	Straight		
53-1067	Slightly curved		



30-1290	RUSKIN Bone Cutting Forceps, double-action.		
	Length	7¼"	(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
	Length	8½"	(216mm)
53-1130	Straight		
53-1131	Curved		
	Bite		5mm
	Length	9½"	(229mm)
53-1133	Angular		
53-1118	Angular, flat lower jaw		



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



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



RONGEURS, BONE, SINGLE ACTION



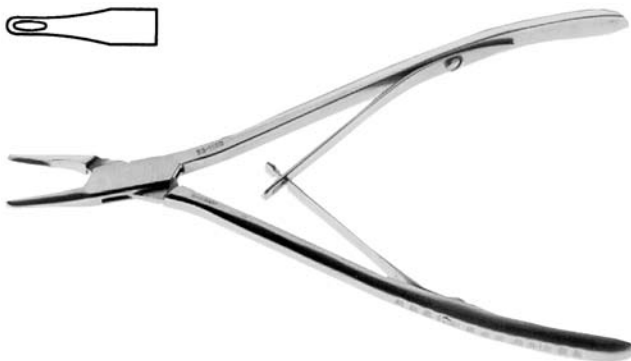
53-1040 ADSON Cranial Rongeur, straight.
Bite (8mm)
Length 8" (203mm)



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)



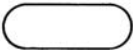
53-1108 LEMPert Rongeur, straight.
Bite $\frac{1}{16}$ " (2mm)
Length $6\frac{1}{8}$ " (156mm)

RONGEURS, BONE, SINGLE ACTION

30-1310	LISTON Bone Cutting Forceps		
	Length	5½"	(140mm)



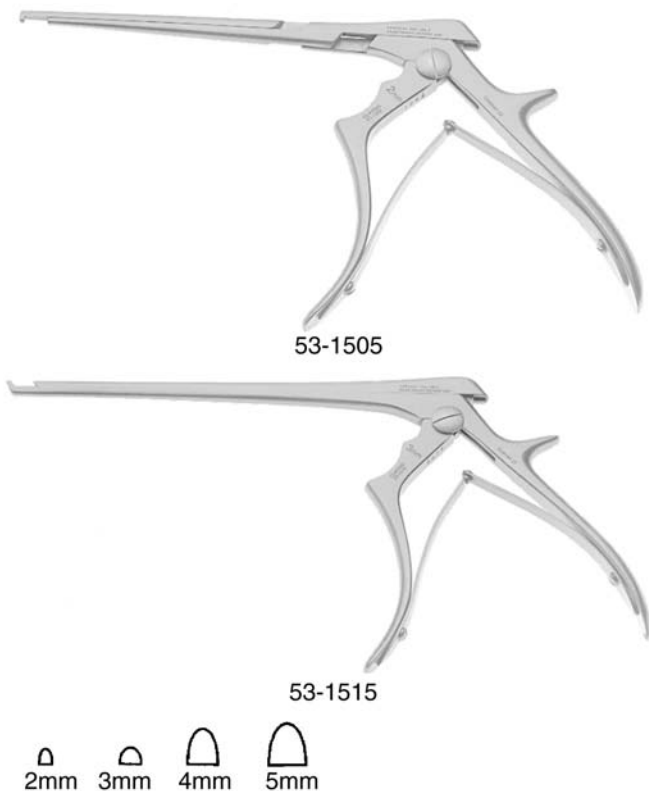
53-1010 53-1011	LUER Bone Rongeurs		
	Bite	¼"	(6mm)
	Length	7"	(178mm)
	Straight		
53-1011	Curved		



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



RONGEURS, CERVICAL, KERRISON



CLASSIC Thin Footplate Cervical Kerrison Rongeur

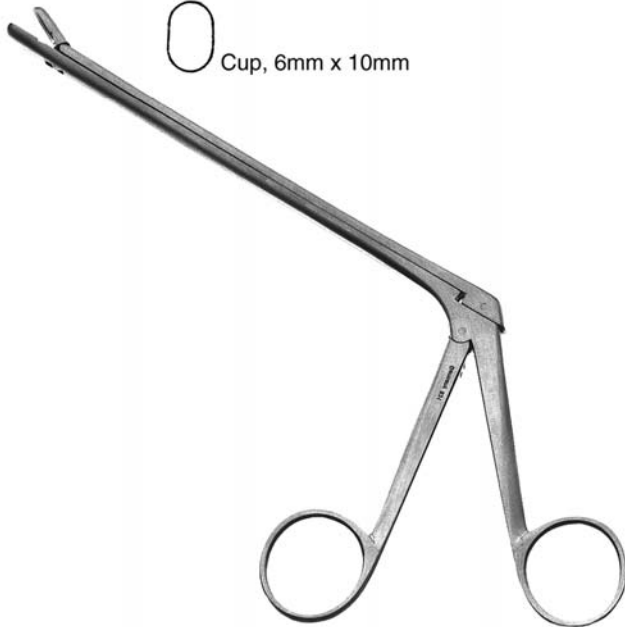
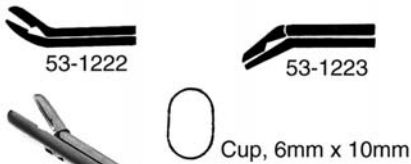
Thin footplate designed to easily fit under the cervical lamina. Gold screw for easy identification of thin footplate. Bite size is identified below gold screw. Hardy style handle with ball spring.

	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)



67-7324	CLOWARD OPTI-LENGTH Rongeur, IVD, 6X10 Cup
Length	11" (27.9cm)

	CODMAN Intervertebral Disc Rongeurs
	Cup 6x10mm
53-1221	Straight
53-1222	Curved up
53-1223	Curved down

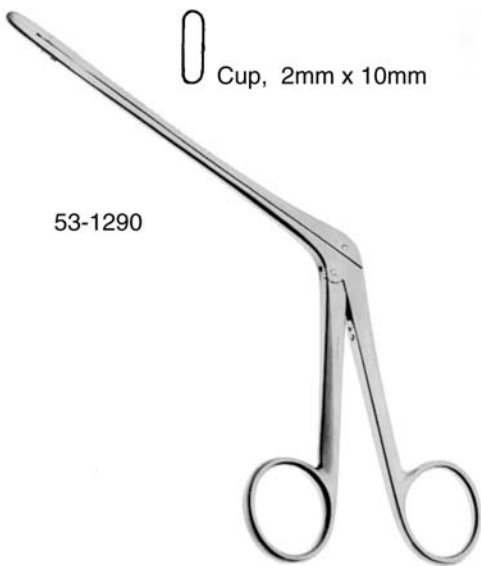


SPINAL

RONGEURS, IVD



	CODMAN Intervertebral Disc Rongeurs		
	Shaft length	7"	(178mm)
53-1171	Cup	4x8mm	
53-1220	Cup	6x10mm	
53-1225	Cup	6x12mm	



	CUSHING Intervertebral Disc Rongeurs, cup shaped jaws.		
	Cup		2 x 10mm
53-1290	Straight		
	Shaft length	5"	(127mm)
53-1291	Curved up		
	Shaft length	5"	(127mm)
53-1292	Curved down		
	Shaft length	5"	(127mm)
53-1195	Straight		
	Shaft length	6"	(152mm)
53-1196	Curved up		
	Shaft length	6"	(152mm)
53-1197	Curved down		
	Shaft length	6"	(152mm)
53-1230	Straight		
	Shaft length	7"	(178mm)
53-1232	Curved up		
	Shaft length	7"	(178mm)
53-1233	Curved down		
	Shaft length	7"	(178mm)

RONGEURS, IVD

	DELICATE Intervertebral Disc Rongeurs		
	Cup		3 x 10mm
	Shaft length	6"	(152mm)
53-1250	Straight		
53-1251	Curved up		
53-1252	Curved down		



53-1251



	FERRIS SMITH Intervertebral Disc Rongeurs		
	Shaft length	7"	(178mm)
	Cup		2x10mm
53-1159	Straight		
53-1160	Curved up		
53-1161	Curved down		
	Cup		3x10mm
53-1162	Straight		
53-1163	Curved up		
53-1164	Curved down		
	Cup		4x10mm
53-1165	Straight		
53-1166	Curved up		
53-1167	Curved down		



SPINAL

RONGEURS, IVD



53-1224	HOEN Intervertebral Disc Rongeur, fenestrated jaws.		
	Cup		(4mm x 12mm)
	Shaft length	5½"	(140mm)



	LOVE-GRUENWALD Intervertebral Disc Rongeurs, cup shaped jaws.		
	Cup		3 x 10mm
	Shaft length	5"	(127mm)
53-1295	Straight		
53-1296	Curved up		
53-1297	Curved down		
	Shaft length	6"	(152mm)
53-1200	Straight		
53-1201	Curved up		
53-1202	Curved down		
	Shaft length	7"	(178mm)
53-1235	Straight		
53-1236	Curved up		
53-1237	Curved down		

RONGEURS, IVD

	LOVE-GRUENWALD OPTI-LENGTH		
	Rongeur, IVD		
	Length	11"	(27.9cm)
67-7319	Straight, 3X10 Cup		
67-7320	300 up bite, 3x10 Cup		



53-1262	OLDBERG Intervertebral Disc Rongeur		
	Cup		6mm
	Shaft length	7"	(178mm)

SPINAL

RONGEURS, IVD



Cup, 2mm x 6mm

53-1255	PEAPOD Intervertebral Disc Rongeur, curved up.		
	Cup		2x6mm
	Shaft length	5½"	(140mm)



	SCHLESINGER Intervertebral Disc Rongeurs, straight, serrated cup jaws.		
	Shaft length	6"	(152mm)
53-1190	Cup		2 x 10mm
53-1191	Cup		3 x 10mm
53-1192	Cup		4 x 10mm

RONGEURS, IVD

	SELVERSTONE Intervertebral Disc Rongeurs, straight.		
	Shaft length	6"	(152mm)
53-1325	Cup		2 x 3mm
53-1326	Cup		2 x 5mm



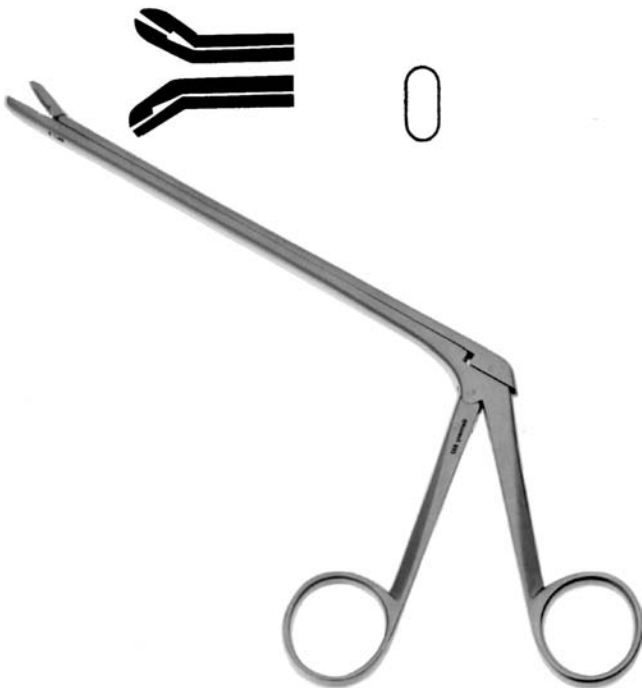
53-1258	SPENCE Intervertebral Disc Rongeur, fenestrated jaws, straight.		
	Cup		3 x 10mm
	Shaft length	6½"	(165mm)


3mm x 10mm



SPINAL

RONGEURS, IVD



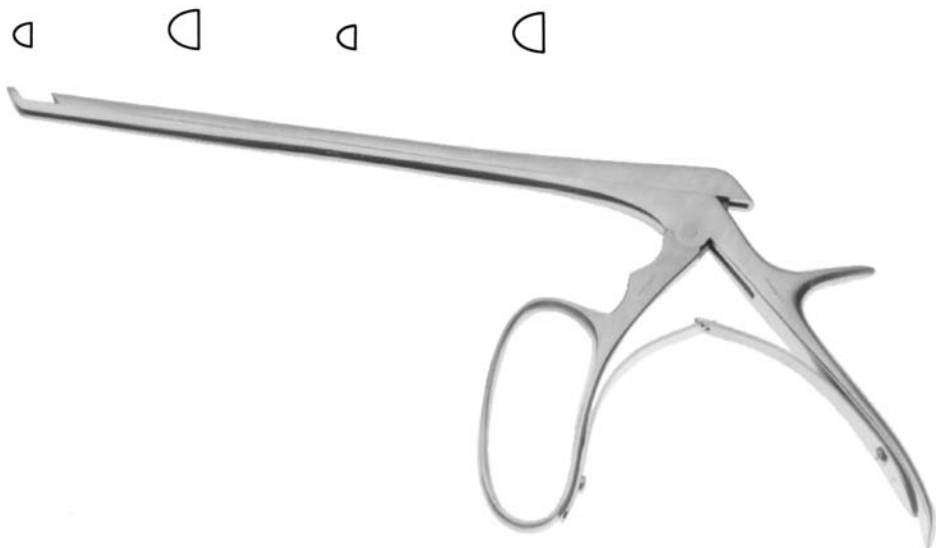
SPURLING Intervertebral Disc Rongeurs			
	Cup		4 x 10mm
	Shaft length	5"	(127mm)
53-1300	Straight		
	Shaft length	6"	(152mm)
53-1210	Straight		
53-1211	Curved up		
53-1212	Curved down		
	Shaft length	7"	(178mm)
53-1240	Straight		
53-1241	Curved up		
53-1242	Curved down		

SPURLING OPTI-LENGTH Rongeur, IVD			
	Length	11"	(27.9cm)
67-7321	Straight, 4X10 Cup		
67-7322	Up Biting, 4X10 Cup		



WILDE Intervertebral Disc Rongeurs, straight shaft.			
	Shaft length	5½"	(140mm)
53-1280	No. 1		(5.0mm x 15mm)
53-1281	No. 2		(5.2mm x 15mm)
53-1282	No. 3		(6.0mm x 15mm)

RONGEURS, LAMINECTOMY



	CODMAN Laminectomy Rongeurs, 40° angle.		
	Shaft length	6 ⁷ / ₈ "	(175mm)
51-1085	Bite		3mm
51-1086	Bite		5mm
	Shaft length	8	(203mm)
51-1087	Bite		3mm
51-1088	Bite		5mm

RONGEURS, LAMINECTOMY, KERRISON

	CODMAN KERRISON Laminectomy Rongeurs		
	40° Up biting		
	Shaft length	6"	(152mm)
53-1385	Bite		3mm
53-1386	Bite		5mm
	Shaft length	7 ¹ / ₂ "	(191mm)
53-1387	Bite		3mm
53-1388	Bite		5mm

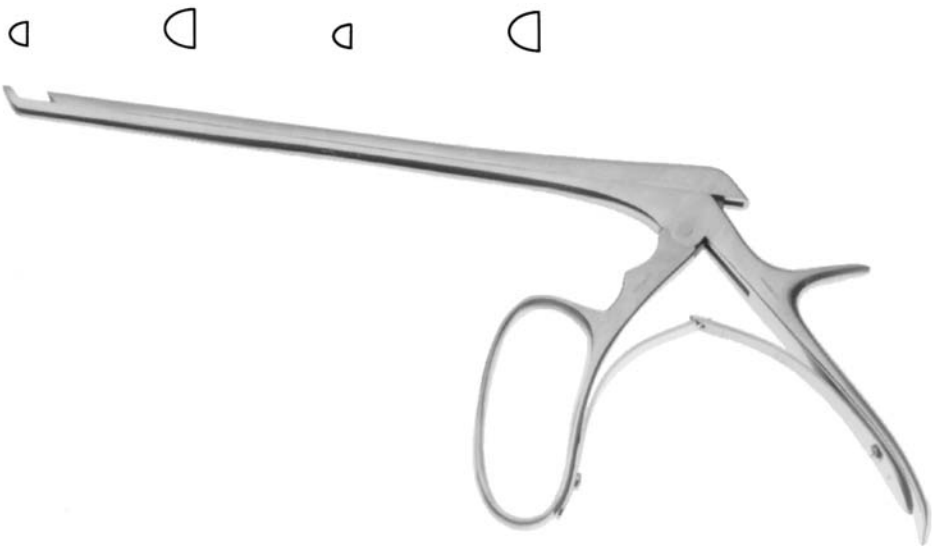






SPINAL

RONGEURS, LAMINECTOMY, KERRISON



CODMAN Laminectomy Rongeurs, 40° angle.			
	Shaft length	6 ⁷ / ₈	(175mm)
51-1085	Bite		3mm
51-1086	Bite		5mm
	Shaft length	8	(203mm)
51-1087	Bite		3mm
51-1088	Bite		5mm

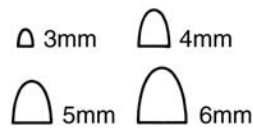


CODMAN KERRISON Laminectomy Rongeurs			
Up biting			
	Shaft length	6"	(152mm)
53-1370	Bite		3mm
53-1371	Bite		5mm
	Shaft length	7 ¹ / ₂ "	(191mm)
53-1372	Bite		3mm
53-1373	Bite		5mm
Down biting			
	Shaft length	6"	(152mm)
53-1374	Bite		3mm
53-1375	Bite		5mm
	Shaft length	7 ¹ / ₂ "	(1912mm)
53-1376	Bite		3mm
53-1377	Bite		5mm

RONGEURS, LUMBAR, KERRISON

CODMAN Lumbar KERRISON Rongeurs
HARDY style handle with ball spring

	Bite Size	Angle	Shaft Length
53-1402	3mm	40° up	7" (178mm)
53-1403	3mm	90° up	7" (178mm)
53-1404	3mm	90° dn	7" (178mm)
53-1405	4mm	40° up	7" (178mm)
53-1406	4mm	90° up	7" (178mm)
53-1407	4mm	90° dn	7" (178mm)
53-1408	5mm	40° up	7" (178mm)
53-1409	5mm	90° up	7" (178mm)
53-1410	5mm	90° dn	7" (178mm)
53-1411	6mm	40° up	7" (178mm)
53-1412	6mm	90° up	7" (178mm)
53-1413	6mm	90° dn	7" (178mm)
53-1414	3mm	40° up	8" (203mm)
53-1415	3mm	90° up	8" (203mm)
53-1416	3mm	90° dn	8" (203mm)
53-1417	4mm	40° up	8" (203mm)
53-1418	4mm	90° up	8" (203mm)
53-1419	4mm	90° dn	8" (203mm)
53-1420	5mm	40° up	8" (203mm)
53-1421	5mm	90° up	8" (203mm)
53-1422	5mm	90° dn	8" (203mm)
53-1423	6mm	40° up	8" (203mm)
53-1424	6mm	90° up	8" (203mm)
53-1425	6mm	90° dn	8" (203mm)
53-1426	3mm	40° up	11" (279mm)
53-1427	4mm	40° up	11" (279mm)
53-1428	5mm	40° up	11" (279mm)
53-1429	6mm	40° up	11" (279mm)



KERRISON OPTI-LENGTH Rongeur, Lumbar
Length

67-7267	2mm 40° up bite	10"	(25.4cm)
67-7270	3mm 40° up bite	10"	(25.4cm)
67-7273	4mm 40° up bite	10"	(25.4cm)
67-7276	5mm 40° up bite	10"	(25.4cm)
67-7282	2mm 40° up bite	12"	(25.4cm)
67-7285	3mm 40° up bite	12"	(30.5cm)
67-7288	4mm 40° up bite	12"	(30.5cm)

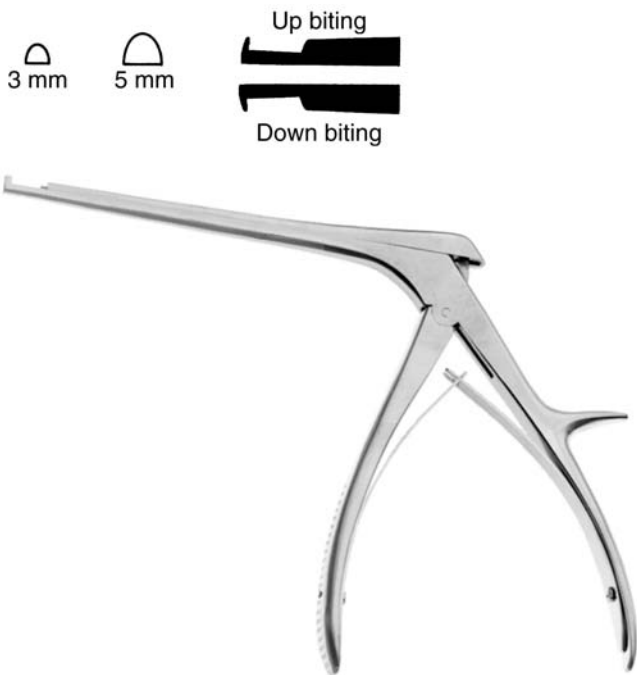


SPINAL

RONGEURS, LUMBAR, KERRISON



	KERRISON OPTI-LENGTH Rongeur, Lumbar	
	Length	15" (38.1cm)
67-7325	1mm 40° up bite	
67-7326	2mm 40° up bite	
67-7327	3mm 40° up bite	
67-7328	4mm 40° up bite	
67-7329	6mm 40° up bite	
67-7330	1mm 90° up bite	
67-7331	2mm 90° up bite	
67-7332	3mm 90° up bite	
67-7333	4mm 90° up bite	
67-7334	6mm 90° up bite	



	CODMAN SCHLESINGER Cervical	
	Laminectomy Rongeurs	
	Shaft length	6" (152mm)
	Up biting	
53-1380	Bite	3mm
53-1381	Bite	5mm
	Down biting	
53-1382	Bite	3mm
53-1383	Bite	5mm

RONGEURS, LUMBAR, KERRISON



	FERRIS SMITH-KERRISON Laminectomy Rongeurs		
	Bite		5mm
53-1157	Shaft length	7½"	(191mm)
	Up biting		
53-1158	Down biting		



	RANEY Laminectomy Rongeurs		
	Bite		7mm
51-1065	Shaft length	6"	(152mm)
51-1066	Shaft length	7½"	(191mm)

SPINAL

RONGEUR, LUMBAR, DETACHABLE



53-1618LED

53-1624LD

53-1630LED

53-1636LED

53-1645LED

53-1651LED

53-1615LED

53-1621LED

53-1627LED

53-1633LED

53-1642LD

53-1648LED



53-1660



	RAPIDCLEAN™ Detachable Lumbar Kerrison Rongeur		
	Bite Size	Angle	Shaft Length
53-1612LD	Lumbar Kerrison Rongeur, Detachable		
	2MM	40° up	7"
53-1615LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	3MM	40° up	7"
53-1618LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	4MM	40° up	7"
53-1621LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	5MM	40° up	7"
53-1624LD	Lumbar Kerrison Rongeur, Detachable		
	2MM	40° up	8"
53-1627LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	3MM	40° up	8"
53-1630LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	4MM	40° up	8"
53-1633LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	5MM	40° up	8"
53-1636LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	6MM	40° up	8"
53-1642LD	Lumbar Kerrison Rongeur, Detachable		
	2MM	40° up	9"
53-1645LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	3MM	40° up	9"
53-1648LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	4MM	40° up	9"
53-1651LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	5MM	40° up	9"
53-1654LED	Lumbar Kerrison Rongeur, Ejector, Detachable		
	6MM	40° up	9"
53-1660	Sterilization Tray		

RONGEUR, KERRISON

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



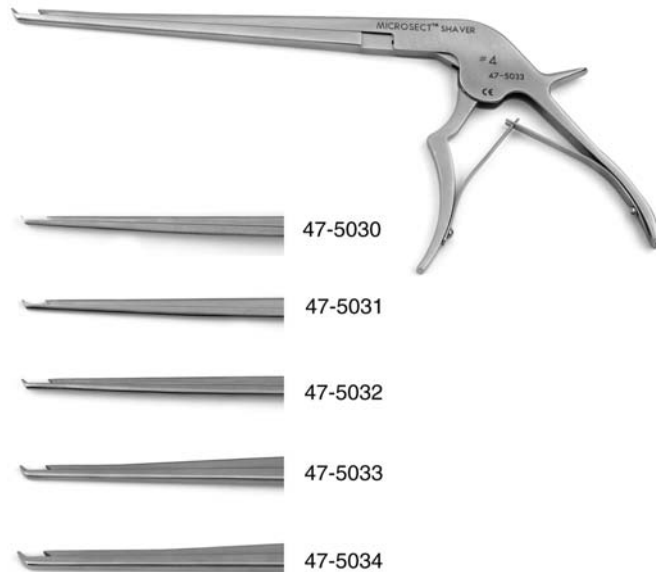
RONGEURS, RIB



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

SPINAL

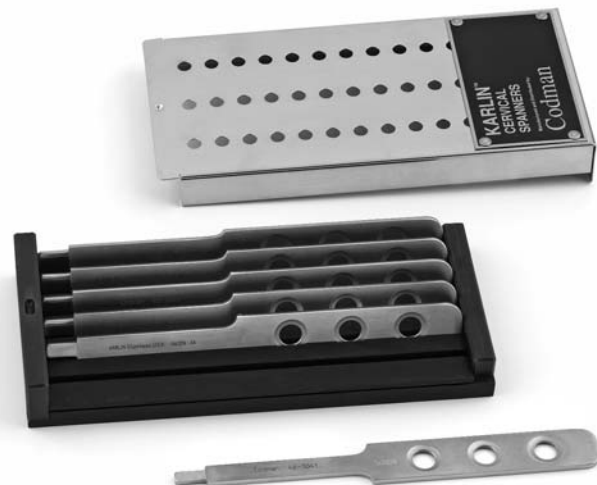
RONGEURS, SHAVERS



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 8½ Shaft |
| 47-5031 | MICROSECT Shaver 2.0mm
45° Up Bite 8½ Shaft |
| 47-5032 | MICROSECT Shaver 2.5mm
45° Up Bite 8½ Shaft |
| 47-5033 | MICROSECT Shaver 3.0mm
45° Up Bite 8½ Shaft |
| 47-5034 | MICROSECT Shaver 4.0mm
45° Up Bite 8½ Shaft |

SPANNERS, CERVICAL



- 46-3040** CODMAN Cervical Spanner Set of 6 with Case designed to directly measure the height of the interspace, access soft tissue tension and distract the interspace.

Set Includes:		Spanner Width
46-3041	Cervical Spanner	5mm
46-3042	Cervical Spanner	6mm
46-3043	Cervical Spanner	7mm
46-3044	Cervical Spanner	8mm
46-3045	Cervical Spanner	9mm
46-3046	Cervical Spanner	10mm
46-3047	Case for Cervical Spanners	

SPANNERS, LUMBAR

46-3030	CODMAN Lumbar Spanner, Feeler Gauge and Distraction designed to directly measure the height of the interspace, access soft tissue tension and distract the interspace.	
	Set Includes:	Spanner Width
46-3031	Lumbar Spanner	9mm
46-3032	Lumbar Spanner	10mm
46-3033	Lumbar Spanner	11mm
46-3034	Lumbar Spanner	12mm
46-3035	Lumbar Spanner	13mm
46-3036	Lumbar Spanner	14mm
46-3037	Case for Lumbar Spanners	
46-3047	Case for Cervical Spanners	



SPREADERS

61-1025	Codman Lumbar Lamina Spreader #1	
	Arm length	3½" (89mm)
	Total opening	1½" (38mm)
61-1026	Codman Lumbar Lamina Spreader #2	
	Arm length	4¼" (108mm)
	Total opening	1⅛" (28mm)



SPINAL

SPREADERS



	INGE Lamina Spreaders		
61-2516	Total jaw opening	1¼"	(32mm)
	Length	6¼"	(159mm)
61-2515	Total jaw opening	2½"	(64mm)
	Length	9½"	(241mm)



61-2525	LAMINA Spreader		
	Total jaw opening	2"	(51mm)
	Length	9½"	(241mm)

SPREADERS, VERTEBRA

61-1004	CODMAN Vertebra Spreader #1, with ratchet.
Total length	5" (127mm)
Total opening	3/4" (19mm)
61-1005	CODMAN Vertebra Spreader #2, with ratchet.
Total length	3" (76mm)
Total opening	1 1/2" (38mm)



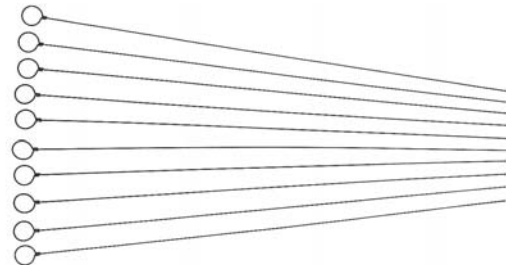
61-1004



61-1005

STYLETS

46-4000	Wire Stylets used with Dural Suction Retractors for cleaning and storage.
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SPINAL

SUCTION, RETRACTOR



80-1655	WILLIAMS Microlumbar Discectomy Suction Retractor		
	Tube diameter	16 Fr.	
	Length	6"	(152mm)

TAMP, BONE



	Tamp, Bone, Round, Cross-Serrated Tip, Length 6¼" (15.8cm)		
	Tip Width		
32-3450	0.2cm		
32-3451	0.3cm		
32-3452	0.4cm		
32-3453	0.5cm		
32-3454	0.6cm		
32-3455	0.8cm		
32-3456	1.0cm		

TRANSORAL INSTRUMENTS, CROCKARD



50-1654	CROCKARD 90° Retractor Blade		
	Total length	5"	(127mm)
	Blade length	1.5"	(38mm)
	Blade width	.8"	(20mm)



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)

TRANSORAL INSTRUMENTS, CROCKARD

50-1655	CROCKARD Curved Retractor Blade\		
Total length	5"	(127mm)	
Blade length	1½"	(38mm)	
Tip width	½"	(12mm)	



50-1659	CROCKARD Hard Palate Retractor		
Total length	4¼"	(108mm)	
Tip width	1"	(25mm)	



50-1663	CROCKARD Ligament Grasping Forceps		
Length	10"	(254mm)	



50-1668	CROCKARD Mid-Facial Osteotomy Retractor Plate		
	Uniquely and exclusively fashioned to function with CROCKARD transoral instrument set (50-1670); especially tongue retractor blades (50-1692 and 15-1653) and retractor body (50-1651). For surgery of middle and upper clivus and transpalatal incisions. Retracts soft and hard palate from skull as tongue blade retracts hard palate downward.		
	Length	2½"	(63mm)
	Width	2"	(50mm)
	Width of opening	1¾"	(44mm)



SPINAL

TRANSORAL INSTRUMENTS, CROCKARD



50-1662	CROCKARD Odontoid Peg Grasping Forceps
Length	9" (228mm)



	CROCKARD Pharyngeal Retractor
50-1660	Small
Length	7" (177mm)
50-1661	Large
Length	7½" (190mm)

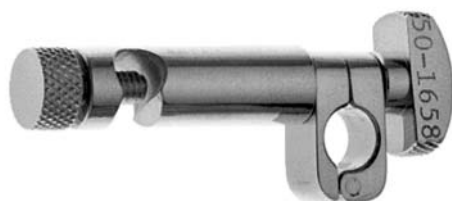


50-1656	CROCKARD Retractor Blade Connector
Total Length	1¼" (31mm)
Diameter	.28" (7mm)



50-1657

	CROCKARD Suction Tube Holder
Diameter	.28 (7mm)
50-1657	Short
Length	1½" (38mm)
50-1658	Long
Length	2" (50mm)



50-1658

TRANSORAL INSTRUMENTS, CROCKARD

50-1664	CROCKARD Sterilizing/Storage Case		
	Length	18"	(457mm)
	Width	10½"	(266mm)
	Depth	7¼"	(184mm)



50-1652	CROCKARD Tongue Retractor Blade		
	Length	6"	(152mm)
50-1653	Large		
	Blade length	3.5"	(91mm)
50-1653	Small		
	Blade length	3"	(76mm)



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		



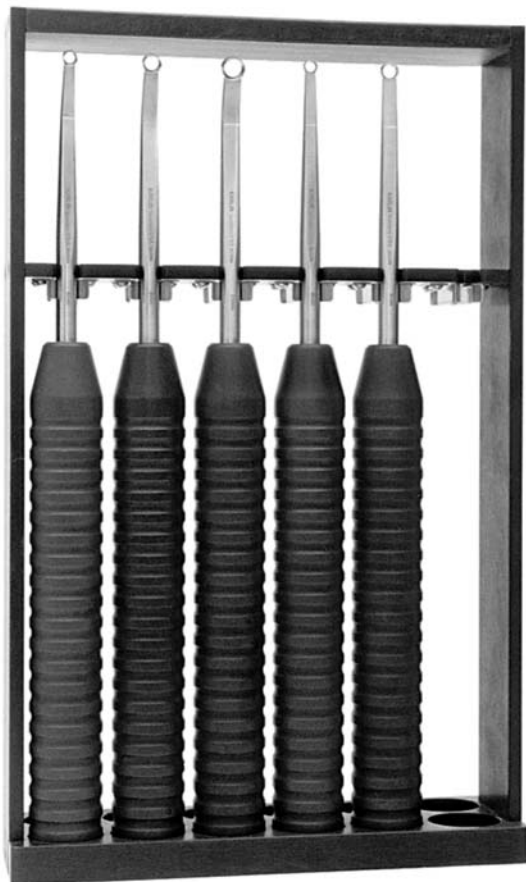
50-1651	CROCKARD Transoral Retractor Body		
	Length	6"	(152mm)
	Width	2 ³ / ₄ "	(70mm)

TRAYS, CURETTES

21-1003	SPINAL FUSION CURETTE Storage and Sterilizing Case, holds nine sizes of curettes 23-1061 through 23-1069.	
	Width	7¼" (184mm)
21-1022	Length	11¾" (299mm)
	SPINAL FUSION CURETTE Storage and Sterilizing Case, holds nine sizes of curettes.	
	Width	7¼" (184mm)
	Length	9¾" (248mm)



TRAYS, CURETTES



46-3222 Storage/Sterilizing Case for 12
XL MAGNUM Instruments



Angled



6 mm



8 mm



10 mm



Straight



6 mm



8 mm



10 mm

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: $2\frac{3}{4}"$ (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

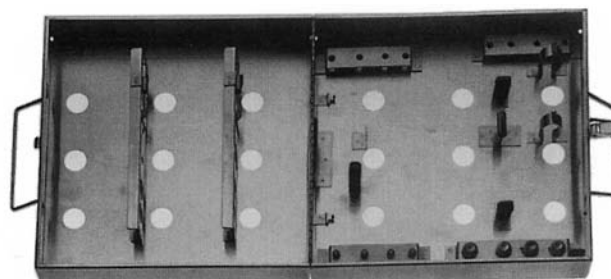


21-1001 CODMAN Instrument Case for Anterior Cervical Fusion Instruments

Width $9"$ (229mm)

Depth $2\frac{5}{8}"$ (67mm)

Length $9"$ (229mm)



SPINAL

TRAYS, STERILIZING, STAINLESS STEEL MISCELLANEOUS, SPINAL



21-2500 CODMAN Gouge and Osteotome Case, holds seven SMITH-PETERSEN gouges or osteotomes.

Length	9"	(229mm)
Width	6 ⁷ / ₈ "	(175mm)
Depth	2 ¹ / ₄ "	(57mm)



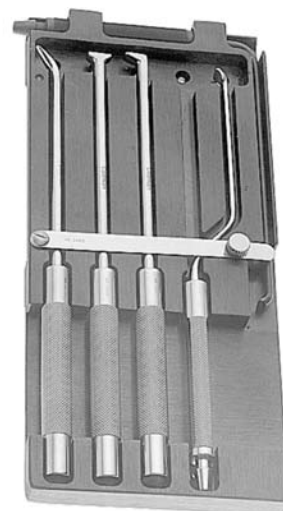
21-1020 CODMAN Sterilizing and Carrying Case. Holds eight assorted 11" (279mm) gouges or osteotomes.

Length	11 ⁴ / ₄ "	(298mm)
Width	8 ⁷ / ₈ "	(225mm)
Depth (on each side)	1 ¹ / ₄ "	(32mm)

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: 4½" (11cm)
Thickness: 5⁄8" (16mm)

Note: Instruments not included



WAXER

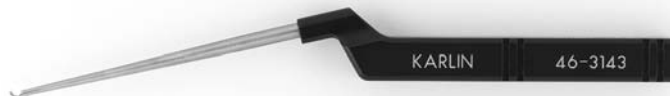
- 46-3173** Cervical Bone Waxer
Length 8½" (21 cm)



- 46-2648** XL Cervical Bone Waxer
Instrument length 9½" (24 cm)
Working distance 4.1" (10.4 cm)



- 46-3143** Bone Waxer
Length 9½" (24.13 cm)



SPINAL

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		MICRO FPS 8 ³ / ₈ " STR
2	30-8132	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 FORCEP
1	50-5625	FINOCHEITTO INFANT RIB RETRACTOR	2	36-6055	DUVAL LUNG GRASPING FORCEPS 8 $\frac{1}{4}$ "
1	21-3001	MEDIUM STERILIZING TRAY	2	30-8082	THORACIC FORCEPS DELICATELY CURVED 9 $\frac{1}{2}$ "
1	32-3348	CODMAN INSTRUMENT HOLDER 9 $\frac{7}{8}$ " X 3 $\frac{1}{8}$ "	1		DEBAKEY DISS FCPS 8 $\frac{3}{4}$ " C-CURVE
Thoracotomy Set					
SUGG	PRODUCT CODE	DESCRIPTION			
1	36-5051	MAYO SCISSOR 6 $\frac{3}{4}$ " STRAIGHT	2	30-8065	MODIFIED COLLIER THORACIC CLAMP
1	36-5061	MAYO SCISSOR 6 $\frac{3}{4}$ " CURVED	2	30-8051	HARRINGTON-MIXTER THORACIC CLAMP FORCEPS
1	36-5016	METZENBAUM SCISSOR 7" CURVED	2	30-8092	ROCHESTER-CARMALT HEMOSTATIC FORCEP 12 $\frac{1}{4}$ "
1	36-5017	METZENBAUM SCISSOR 9" CURVED	1	19-8168	SAROT BRONCHUS CLAMP RIGHT
1	36-5071	NELSON SCISSORS 11" CURVED DELICATE	1	19-8167	SAROT BRONCHUS CLAMP LEFT
2	36-2017	MAYO-HEGAR NEEDLE HOLDER 7"	8	33-5005	BACKHAUS TOWEL CLAMP 5 $\frac{1}{2}$ "
1	32-3683	JULIAN NEEDLE HOLDER 8" STRAIGHT	1	21-3002	LARGE STERILIZING TRAY
1	32-3680	COMAN (COOLEY) NEEDLE HOLDER 8"	1	32-3345	CODMAN INSTRUMENT HOLDER 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 3⅛"

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 3⅛"

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 3⅛"

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 3⅞"	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 3⅞"
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

Espispadias 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

ORTHOPEDIC TRAYS

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

ORTHOPEDIC TRAYS

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			
1	32-3454	CODMAN BONE TAMP 6MM			

ALPHABETICAL INDEX

A

ADAIR
Breast Clamp OB-GYN-1

ADSON
Bipolar Forceps NEURO-28, PED-7
Cerebellar Retractor GEN-112, NEURO-70,
SPINE-1
Cranial Rongeur . NEURO-85, NEURO-89,
SPINE-78
Delicate Hemostatic Forceps GEN-18
Dissecting Hooks NEURO-54
Dressing Forceps GEN-11, PED-10,
NEURO-40
Drill Guide And Dura Protector NEURO-17
Dural Needle Holder . GEN-63, NEURO-61
Ganglion Scissors NEURO-100
Hemostatic Forceps GEN-18
Hypophyseal Forceps GEN-30,
NEURO-44
Periosteal Elevators NEURO-22, SPINE-29
Retractors GEN-112, NEURO-68,
OBE-46, SPINE-49-50
Suction Tubes . . . GEN-148, NEURO-106,
PED-66
Tissue Forceps GEN-46, PED-24

AIR HOSE
Crainotome NEURO-4-6
Sternun Saw CVT-78

ALEXANDER
Coastal Periosteotomes CVT-61,
NEURO-67, SPINE-49

ALLEN
Intestinal Anastomosis Clamp . . . GEN-18

ALLIS
Delicate Tissue Forceps GEN-47, PED-25
Tissue Forceps GEN-46, PED-25

ALLIS-ADAIR
Tissue Forceps GEN-47

ALLISON
Lung Retractors CVT-66, GEN-124,
OBE-56

ALM
Retractor . . GEN-113, GEN-126, PED-37,
PED-45, NEURO-79
Wound Retractor CVT-60, NEURO-60

AMERICAN
Umbilical Scissors OB-GYN-20

ANASTOMOSIS
Clamp CVT-16, CVT-29-30,
CVT-64, CVT-92

ANDERSON-ADSON
Scalp Retractor NEURO-78

ANDREWS-PYNCHON
Suction Tube GEN-148, OBE-71

ANKENEY
Sternal Retractor CVT-72-73,
OBE-60, PED-45

ANNULAR
Dissector Perforator SPINE-27,
SPINE-42

ANTERIOR CERVICAL FUSION KIT
. SPINE-1

ANTERIOR CERVICAL FUSION KIT,
COMPONENTS SPINE-2-5
Instrument Case GEN-156, SPINE-1,
SPINE-107

APPLICATOR ENT-1

APPLICATOR FORCEPS GEN-10

APPLIER, ANEURYSM CLIPS . . . NEURO-2

APPLIER, SCALP CLIP NEURO-1

AUVARD
Vaginal Weighted Specula OBE-70,
OB-GYN-21-22

B

BABCOCK
Tissue Forcep GEN-48, OBE-36
Delicate Tissue Forceps GEN-47

BACKHAUS™
Towel Clamps GEN-2

BACON
Cranial Rongeur . NEURO-85, NEURO-89,
SPINE-78

BADGLEY
Laminectomy Retractor,
Self-retaining SPINE-59

BAILEY
Gigli Saw Guides NEURO-92
Rib Contractor CVT-38

BAILEY-GIBBON
Rib Contractor CVT-39

BAKES
Common Duct Dilators GEN-7

BALFOUR
Abdominal Retractor GEN-80-84,
OBE-46
Center Blade, Standard . GEN-88, OBE-50
Center Blades, Supra-pubic GEN-88,
OBE-50
Fenestrated Lateral Blades GEN-89
Fourth Arm Attachment GEN-89
OBE-50

BALLANTINE
Hysterectomy Forceps OB-GYN-6

BALLENGER
Septum Elevator ENT-4
Swivel Knife ENT-9-10, GEN-61

BARNES-CRILE
Hemostatic Forceps GEN-19

BARNHILL
Adenoid Curettes ENT-1

BARON
Suction Tube ENT-15, NEURO-107

BARRAQUER
Needle Holder . ENT-10, GEN-64, PED-29

BARTLEY
Anastomosis Clamp CVT-30, PED-4

BASIN GEN-1

BAUMGARTNER
Needle Holders GEN-64, PED-30

BECK
Aorta Mini Clamp CVT-2, CVT-92

BECKMAN
Thyroid Retractor GEN-127, OBE-60

BECKMAN-ADSON
Laminectomy Retractors GEN-121,
OBE-55, SPINE-59

BECKMAN-EATON
Laminectomy Retractor GEN-122,
OBE-56, SPINE-60

BENSON
Pylorus Spreader GEN-37

BERLIND-AUVARD
Vaginal Weighted Speculum . . OB-GYN-22

BETHUNE
Rib Shears CVT-87, OBE-68

BEYER
Rongeur NEURO-81, SPINE-74

BEYER (LEMPERT)
Rongeur NEURO-85, SPINE-78

BIOPSY SET, VERTEBRAL SPINE-6

BIPOLAR FORCEPS
NEURO-28-37, PED-7-9

BISHOP HARMAN
Eye Dressing Forceps . . . ENT-6, PED-11
Iris Forceps ENT-6, PED-11

BLADES, CRANIO NEURO-1

BLADE RETRACTOR . . . PED-36, SPINE-1,
SPINE-53-55, SPINE-73

BOETTCHER
Tonsil Scissors ENT-13, GEN-145

BOLEY
Retractor GEN-113

BONE HOOK OBE-41, SPINE-38

BONE WAXER SPINE-109

BONNEY
Tissue Forceps GEN-48

BOOKWALTER:
ACCESSORIES
Accessories BW-2
Blade Holders BW-9
Hooks BW-10
Rakes BW-11
Rake Retractors BW-11, GEN-95
Retractor, Blade Holder . . . BW-9, GEN-99

BARS
Crossbar BW-9
Horizontal . BW-10, GEN-100, OBE-51-52
Horizontal Flex BW-10, BW-22,
GEN-100, GEN-109, SPINE-54
IMA, T Crossbar BW-9, GEN-100
Vertical Extension BW-16, GEN-101
Violi BW-10, GEN-101

BLADES
Balfour BW-19-20, GEN-90-91,
OBE-51-52
Gelpi BW-3, GEN-93
Harrington BW-19-20, GEN-90-91,
OBE-51-52
Kelly BW-19-20, GEN-90-91,
OBE-51-53
Malleable BW-4, BW-7, BW-19-20,
GEN-90-91, GEN-95-96, OBE-51-52
Opti-length BW-5, GEN-97, OBE-53

ALPHABETICAL INDEX

BOOKWALTER: (CONT.)

Radiolucent BW-6, GEN-96
Rectal BW-6, BW-21, GEN-95,
GEN-108
Richardson BW-7, GEN-97
Super Malleable BW-7, GEN-97

BLADE TENSION MECHANISM BW-2

CASES

Blades And Accessories Case BW-23
Spinal Retractor Storage/sterilizing
Case BW-22, GEN-99
Storage, Bookwalter II Blade &
Accessory Case BW-23
Storage, Bookwalter II Table
Fixation & Ring Case BW-24
Storage, Spinal Case BW-25
Table Fixation And Ring Case BW-24

FRAME

Adjustable BW-3
Wishbook BW-3, GEN-106

KITS

Bookwalter II BW-17, GEN-92
IMA BW-18, CVT-63,
GEN-107
Obese Patient BW-19–20,
GEN 90–91, OBE 51–53
Rectal BW-21, GEN-108
Small Incision BW-21, GEN-108
Spinal Retractor BW-22, BW-25,
GEN-109, SPINE-54
Vaginal . . . BW-22, GEN-111, OB-GYN-16

POST COUPLING BW-11, BW-22, GEN-101, GEN-109, SPINE-54

RATCHET

Extender BW-2, BW-19–20,
GEN-90–91, OBE-51–53
Mechanism BW-22, GEN-109,
SPINE-54
Rotilt BW-11, GEN-101
Standard BW-11, GEN-101
Tilt BW-11, BW-22, GEN-101,
GEN-109, OBE-51–52, SPINE-54
Twister BW-19–20, GEN-90–91,
OBE-51–53

RINGS

Elliptical BW-12, GEN-102
Oval BW-12, GEN-103
Pelvic BW-13, GEN-103, OB-GYN-1
Round BW-12–14, BW-22–24
GEN-103–105, GEN-108–109,
SPINE-54
Segmented BW-14, GEN-104
Spinal BW-15, GEN-105
Straight BW-22, GEN-109, SPINE-54

TABLE POSTS . BW-15, BW-19–20, BW-22, GEN-90–91, GEN-101–102, GEN-109, OBE-51–53, SPINE-54

Bariatric Accessories (for Obese
Patients) BW-19–20, OBE-51–53
Bariatric Accessories BW-19–20,
GEN-90–91
Bariatric Retractor System . . . BW-19–20,
GEN-90–91

Bariatric Retractor System
(for Obese Patients) BW-19–20,
OBE-52
Components, Table Posts BW-15–16
Obese Patient Accessories . . . BW-19–20
Obese Patient Retractor
System BW-19–20
Post Holder BW-16
Violi Gooseneck Table Post BW-15,
GEN-102

TILT

Rachet Mechanism . . . BW-11, OBE-51–52

VAGINAL

Retractor Lateral Blade . . . BW-8, GEN-98
Retractor Posterior Blade . . BW-8, GEN-98
Retractor Ring BW-15, GEN-105

VIOLI

Gooseneck Table Post . . BW-15, GEN-102
Ironman Horizontal Ring Holder . . BW-10,
GEN-101

BOOKWALTER-BALFOUR

Retractor Blade BW-3, GEN-93

BOOKWALTER-HARRINGTON

Retractor Blade BW-4, GEN-93

BOOKWALTER-KELLY

Retractor Blades BW-4, GEN-94

BOOKWALTER-MEYERDING

Retractor Blades BW-5, GEN-94

BOOKWALTER-SCOVILLE

Hooks BW-10, GEN-100

BOOKWALTER WISHBOOK

Adjustable Frame BW-3, GEN-106

BOSTON LYING-IN

Cervical Grasping Forceps OB-GYN-5

BOWL, SPONGE GEN-1

BOWMAN

Lachrymal Probes GEN-77, PED-36

BOZEMAN

Uterine Dressing Forceps OB-GYN-13

BRACE

Hudson NEURO-20

BRAIN

Dressing Forceps . . . GEN-11, NEURO-40
Retractor GEN-110, NEURO-69,
NEURO-73
Tissue Forceps GEN-48, NEURO-50

BRAUN

Episiotomy Scissors OB-GYN-19

BRIDGE

Intestinal Forceps CVT-43, GEN-31,
OBE-29

BRIGHAM

Brain Tumor Forceps NEURO-38
Tissue Forceps GEN-49, PED-25

BROWN

Tissue Forceps GEN-49, OBE-36

BRUNS

Curette NEURO-11–12, SPINE-12–13

BUCK

Ear Ring Curettes ENT-2

BUCY-FRAZIER

Cautery Cord NEURO-3

BUIE

Pile Clamps OB-GYN-11

BUNNEL

Hand Drill NEURO-18

BUNTS

Forceps Holder GEN-79

BURFORD-FINOCHIETTO

Rib Retractor . . . CVT-67–68, OBE-58–59,
PED-41

BURRS NEURO-18–21

BUSCH

Umbilical Scissors OB-GYN-20

C

CALCIFIED

Tissue Scissors CVT-84, GEN-145

CALIPER ENT-1, PED-1

CAMPBELL

Nerve Root Retractor SPINE-68
Ventricular Needle NEURO-64

CARDIOVASCULAR RETRACTOR

KIT CVT-16

CARROLL

Periosteal Elevator . . . NEURO-22, PED-6
SPINE-29

Skin Hook NEURO-57, PED-29

Tendon Pulling Forceps GEN-41,
NEURO-50

CASE CVT-57

CASPAR

Curette NEURO-12, SPINE-13
Retractor SPINE-71

CASTANEDA

Anastomosis Clamp CVT-30, CVT-92,
PED-4

Clamps CVT-64

Infant Sternal Retractor . . CVT-73, PED-46

Instrument Case CVT-16, CVT-64

Kit CVT-16, CVT-64

Multi-purpose Clamp CVT-92,
CVT-23, PED-2

Partial Occlusion Clamp . . CVT-30, PED-4

Retractors CVT-16, CVT-64

Spoon Clamp CVT-92

Suture Tag Forceps CVT-48, GEN-40,
PED-23

Vascular Forceps CVT-54,
GEN-59, PED-27

CASTANEDA-MIXTER

Thoracic Clamp Forceps CVT-48,
GEN-42, PED-24

CASTROVIEJO

Caliper ENT-1, PED-1

Corneal Scissors ENT-11, PED-54

Microsurgical Needle Holders GEN-64,
PED-30

Needle Holders GEN-64,
PED-30

CAUTERY CORD NEURO-3

CAUTERY HOOK SPINE-1

CENTRAL

Canal Impactor 30° . . . SPINE-39, SPINE-41

ALPHABETICAL INDEX

CEREBELLAR EXTENSION . NEURO-20–21
CERVICAL BONE WAXER SPINE-109
CERVICAL RETRACTOR SET
 PED-36, SPINE-52–53
CERVICAL SPANNER SET SPINE-96
CHERRY SECTO™
 Dissectors. NEURO-105
CHILDREN'S HOSPITAL
 Dressing Forceps GEN-11, PED-10
 Hand Drill NEURO-18, PED-6
 Retractor PED-37–38, GEN-113–114
CHISELS . . OBE-1, SPINE-7–10, SPINE-48
CLAMPS OBE-2
 Anastomosis CVT-16, CVT-30,
 CVT-32–35, CVT-64, CVT-92, CVT-94
 CVT-99, OBE-14, PED-4
 Anterior Resection CVT-25
 Aorta CVT-2–6, CVT-92–93, CVT-96,
 CVT-98, CVT-100–101, OBE-3–4
 Aortic Aneurysm . . . CVT-6–7, CVT-95–96,
 OBE-5
 Aortic Exclusion CVT-7, CVT-96
 Artery NEURO-2
 Auricle Appendage CVT-8, CVT-100,
 OBE-6
 A-V Fistula CVT-8, PED-1
 Breast OB-GYN-1
 Bronchus CVT-9, CVT-100, CVT-102,
 OBE-6
 Bulldog CVT-10–13, CVT-96, PED-1
 Cardiovascular CVT-1, CVT-14–16,
 CVT-92, OBE-2, OBE-7, PED-2
 Carotid Artery CVT-16–18
 Caval Occlusion CVT-18
 Coarctation CVT-18–20, CVT-93,
 CVT-95 CVT-97, CVT-99, OBE-8
 Crile CVT-20
 Curved CVT-36, CVT-99, OBE-15
 Gastrointestinal CVT-21
 Intestinal CVT-43–46, GEN-31–34,
 OBE-29–30
 Intestinal Anastomosis. GEN-18
 Iliac CVT-21, CVT-94, OBE-9
 Kidney GEN-35
 Ligature Carrying . . . CVT-22, CVT-46–47,
 CVT-97, CVT-102, OBE-10
 Liver GEN-36, OBE-31
 Multi-purpose CVT-23–24, CVT-92,
 CVT-94, CVT-97, OBE-11, PED-2–3
 Non-crushing Anterior Resection . CVT-25
 Orthopedic Meniscus SPINE-11
 Partial Occlusion CVT-16, CVT-30,
 CVT-64, PED-4
 Patent Ductus CVT-25, CVT-93,
 CVT-97, CVT-99
 Pelvic OBE-12, OB-GYN-1
 Peripheral Vascular CVT-26, CVT-95,
 CVT-97–98, CVT-100
 Pile OB-GYN-11
 Renal Artery . . CVT-27, CVT-101, OBE-12
 Right Angle. . . CVT-37, CVT-100, GEN-21,
 GEN-37, OBE-27, PED-14, PED-21
 Spoon-shaped . . CVT-37, CVT-99, OBE-15

Tangential Occlusion CVT-27,
 CVT-97–98, OBE-13
 Thoracic CVT-49–50, GEN-42–43,
 OBE-33–34
 Tibial CVT-28
 Towel GEN-2–3
 Tubing CVT-28–29, GEN-3–4
 Vascular CVT-29–38, CVT-92–94,
 CVT-98–100, CVT-102,
 OBE-14–15, PED-4
 Vena Cava CVT-38, CVT-102–103,
 OBE-16
 Vessel CVT-56, GEN-60
 Wire Holding . . . GEN-4, GEN-72, PED-5,
 PED-34
CLAMP TIP DETAIL CVT-92–103
CLIPS, APPLIER
 Aneurysm NEURO-2
CLOWARD
 Rongeur. SPINE-81, OBE-63
COAPTATION
 Non-stick Mirror Finish Bipolar
 Forceps PED-7, NEURO-29
COBB
 Curettes OBE-16, SPINE-11
 Elevator. SPINE-29, SPINE-33
 Gouges OBE-40, SPINE-36
COBRA
 Retractors OBE-57
COLLIER
 Hemostatic Forceps GEN-19
 Thoracic Clamp CVT-51, GEN-44,
 OBE-34
COLLIN
 Tongue Seizing Forceps . . ENT-7, GEN-57
COLLINS
 Radioparent Sternal Blades CVT-74
 Sternal Retractor CVT-74
COMBINATION
 Needle Holder And Forceps . . . CVT-59,
 GEN-65, PED-31
CONE
 Biopsy Needles NEURO-64
 Laminectomy Retractors GEN-122
 NEURO-77, SPINE-60
 Ring Curettes SPINE-11–12
 Scalp Retractors. NEURO-78
 Ventricular Needles NEURO-64
CONTOUR
 Scalp Retractor NEURO-78, PED-43
CONTRACTORS CVT-38–39
CONVERSE
 Skin Hooks ENT-9, NEURO-57
COOLEY
 Acutely Curved Clamps . . CVT-31, CVT-93
 Anastomosis Clamp . . . CVT-32, CVT-34,
 CVT-92, CVT-94, OBE-14
 Aorta Clamp CVT-2, CVT-93, OBE-3
 Atrial Retractors CVT-62
 Bulldog Clamps CVT-10
 Cardiovascular Scissors . . CVT-79, CVT-85
 Caval Occlusion CVT-18
 Coarction Clamp CVT-18, CVT-93

Graft Suction Tube CVT-88, GEN-149,
 OBE-72
 Iliac Clamp CVT-21, CVT-94, OBE-9
 Left Ventricular Sump Suction
 Tube . . . CVT-88–89, GEN-149, OBE-72
 Multi-purpose Clamp CVT-23, CVT-94
 PED-3
 Needle Holder CVT-59, GEN-65
 Patent Ductus Clamps . . . CVT-25, CVT-93
 Pediatric Clamp CVT-94
 Retractor, Sternotomy CVT-77
 Vascular Clamps CVT-32–33
 Vascular Suction Tube CVT-89,
 GEN-149, OBE-72
 Vascular Tissue Forceps . . CVT-53, GEN-50
COOLEY-DERRA
 Anastomosis Clamps CVT-33, CVT-93
CORD, MONOPOLAR NEURO-3
CORKSCREW
 Dural Hook NEURO-54
CORYLLOS
 Rib Shears CVT-87, OBE-68
CPS
 Modular Air Craniotome Set. . . . NEURO-5
 Unitized Air Craniotome Set. . . . NEURO-4
CRAFOORD
 Coarctation Clamps CVT-19, CVT-95
 OBE-8
CRAIG
 Vertebral Body Biopsy Kit. SPINE-6
CRANIOTOME
 Air Driver set. NEURO-4–5
 Craniotome Drivers NEURO-10–11
 Driver, Accessories. NEURO-5–10
 Nitrogen Regulator NEURO-9
CRANIOTOMY KIT. NEURO-7
CRANK FRAME SPINAL
RETRACTOR SET CVT-55
 Components CVT-56–57, SPINE-56
 Retractor Blades. CVT-56–57, SPINE-56
CRAWFORD-COOLEY
 Tunneler CVT-90
CRILE
 Gasserian Ganglion Knife GEN-61,
 NEURO-58
 Hemostatic Forceps GEN-20, PED-13
 Hook Retractor CVT-65, GEN-114,
 PED-38
CRILE-TYPE
 Clamp CVT-20
CRILE-WOOD
 Needle Holders GEN-66, OBE-41,
 PED-31
CROCKARD
 90° Retractor Blade SPINE-100
 Bayonet Micro-dissector NEURO-17,
 SPINE-28, SPINE-100
 Curved Retractor Blade SPINE-101
 Hard Palate Retractor. SPINE-101
 Ligament Grasping Forceps. . . . SPINE-101
 Mid-facial Osteotomy Retractor
 Plate SPINE-101

ALPHABETICAL INDEX

CROCKARD (CONT.)

Odontoid Peg Grasping
Forceps SPINE-102
Pharyngeal Retractor SPINE-102
Retractor Blade Connector SPINE-102
Sterilizing/Storage Case NEURO-112,
NEURO-120, SPINE-103
Suction Tube Holder SPINE-102
Tongue Retractor Blade SPINE-103
Transoral Retractor Body SPINE-104
Transoral Instrument Set NEURO-112,
SPINE-104

CUP, IODINE GEN-5

CUP, MEDICINE GEN-5

CURETTES ENT-1–2, OBE-16–23,
NEURO-11–14,
NEURO-16, SPINE-11–23, NEURO-113
Cervical OBE-20, SPINE-15
Lumbar OBE-17, SPINE-14
Uterine OB-GYN-2–3

CUSHING

Bipolar Forceps NEURO-29
Brain Spatula-spoons NEURO-102
Burrs NEURO-18
Decompression Retractor GEN-109,
NEURO-68
Dressing Forceps NEURO-41, GEN-12
Dural Hook NEURO-54, PED-28
Gasserian Ganglion Hook NEURO-55,
SPINE-39
Intervertebral Disc Rongeurs PED-48,
SPINE-82
Little Joker Periosteal
Elevators NEURO-23, SPINE-30
Monopolar Forceps NEURO-47
Perforator Drills NEURO-19
Periosteal Elevator NEURO-23, SPINE-30
Pituitary Spoons NEURO-103
Retractor GEN-128, NEURO-80, OBE-61
Staphylorrhaphy Elevator NEURO-24,
SPINE-31
Tissue Forceps NEURO-50–51, GEN-50
Vein Retractor GEN-128–129, NEURO-80

CUSHING-HOPKINS

Periosteal Elevator NEURO-24, SPINE-31

CUTTERS

Wire GEN-6–7, SPINE-24–25

D

DAICOFF

Vascular And Needle Pulling
Forceps CVT-55, GEN-59

DALE

First Rib Rongeur CVT-77, NEURO-91,
OBE-65, SPINE-35

DALE FEMORAL-POPLITEAL

Vascular Clamp CVT-34

DANDY™

Nerve Hook NEURO-55
Scalp Hemostatic Forceps GEN-20,
GEN-38, NEURO-47, PED-13, PED-21

Trigeminal Scissors NEURO-100
Ventricular Needle NEURO-64

DARLING

Popliteal Retractors CVT-66

DAVIDSON

Scapular Retractors CVT-71,
GEN-126, PED-44

DAVIS

Brain Spatulas NEURO-102
Monopolar Forceps NEURO-47

DE VILBISS

Cranial Rongeur NEURO-86, NEURO-89

DEAVER

Operating Scissors GEN-139, PED-60
Retractor GEN-84–85,
OBE-47

DEBAKEY

Aneurysm Clamp CVT-6, CVT-95–96,
OBE-5
Angle Vascular Clamp CVT-95
Aorta Clamp CVT-3, CVT-96, OBE-3
Aorta Exclusion Clamp CVT-7, CVT-96
Bulldog Clamps CVT-10, CVT-96, PED-1
Coarctation Clamps CVT-19, CVT-97
Enderterectomy Scissors CVT-83
Forceps CVT-41, GEN-59, OBE-25
Multi-purpose Clamp CVT-97, CVT-23–24,
OBE-11, PED-2–3
Patent Ductus and Peripheral Vascular
Clamps CVT-25–26, CVT-95,
CVT-97–98
Tangential Occlusion Clamps CVT-27,
CVT-97–98, OBE-13
Thoracic Tissue Forceps CVT-53–54,
GEN-51, OBE-37
Vascular Clamps CVT-35, CVT-98,
OBE-14
Vascular Scissors CVT-85
Vascular Tissue Forceps CVT-55, GEN-59,
OBE-39

DEBAKEY-BAINBRIDGE

Vascular Clamp CVT-34–35

DEBAKEY-COLLIER

Tissue Forcep CVT-54, GEN-51, OBE-37

DEBAKEY-DIETHRICH

Forceps CVT-60
Vascular Forceps CVT-55, CVT-57,
GEN-59, OBE-39, PED-28
Vascular Tissue Forcep CVT-55, GEN-60,
OBE-39

DEBAKEY-LIDDICAT

Vascular Forceps CVT-56, GEN-60,
OBE-39, PED-28

DEBAKEY-METZENBAUM

Scissor GEN-132, OBE-65

DEBAKEY-SEMB

Ligature Carrying Forceps CVT-22,
CVT-46, CVT-97, OBE-10, OBE-31

DECKER

Microsurgical Forceps NEURO-27
Microsurgical Scissors NEURO-94,
PED-53
Rongeurs NEURO-90

DELABORDE

Tracheal Dilator ENT-3, PED-5

DELEE

Universal Retractor GEN-124, OBE-57,
OB-GYN-16

DEMOS

Tibial Artery Clamp CVT-28

DENNIS

Intestinal Clamp CVT-43, GEN-31,
OBE-29

DEPRESSORS

ENT-2

DEPTH CHECK DRILL NEURO-19

DERF

Needle Holder GEN-66–67, PED-32

DERRA

Anastomosis Clamp CVT-35, CVT-99

DIETHRICH

Aorta Clamp CVT-3, CVT-98
Bulldog Clamps CVT-11, CVT-57, CVT-60
Bulldogs CVT-57
Bypass Kit CVT-57
Circumflex Artery Scissors CVT-79
Coronary Artery Scissors CVT-57, CVT-80
Instrument Case CVT-57
Modified Tension Bulldog Clamps CVT-11
Valve Scissors CVT-84

DILATORS ENT-3, GEN-7, PED-5, CVT-60

Case CVT-39, GEN-156
Mitral CVT-39
Tracheal ENT-3, PED-5
Uterine OB-GYN-3–4
Vascular CVT-39–40, PED-6

DISSECTION

Osseous SPINE-26

DISSECTORS CVT-40, ENT-4, GEN-8–9,
NEURO-14–17, NEURO-116, OBE-23,
SPINE-27

DISSECTORS/SEPARATORS NEURO-17,
SPINE-28

DOANE KNEE

Retractor GEN-121

DORSEY

Dural Separator NEURO-101

DOSICK

Bellows Assembly CVT-91
Tunneler and Sheath CVT-90

DOWEL CUTTER SPINE-1, SPINE-3

Center Pins SPINE-1, SPINE-3
Ejector SPINE-1, SPINE-4
Handle And Ejector SPINE-1
Handle And Impactor Set SPINE-4
Impactor, Round SPINE-40,
SPINE-48

Shaft SPINE-1, SPINE-4

DOYEN

Abdominal Scissors GEN-129
Intestinal Forceps CVT-44, GEN-31
Rib Raspatories CVT-61, NEURO-67,
SPINE-50
Vascular Toothed Intestinal
Clamps CVT-44, GEN-32

ALPHABETICAL INDEX

DRESSING

Forceps . . . OBE-26, ENT-5, GEN-11–15,
PED-10, NEURO-40–43, SPINE-1

DRILLS/BURRS/GUIDES . . . NEURO-17–21, PED-6

Guards SPINE-1–2, SPINE-4
Shaft SPINE-1, SPINE-4
Tips SPINE-1–2

DRIVER, GRAFT SPINE-28

DUKE

Trocar GEN-157

DUNCAN

Endometrial Biopsy Curette . . . OB-GYN-2

DURA

Guard NEURO-8–9

DURAL

Suction Retractor
PED-39–40, SPINE-66–70
Suction Retractor, Black
(micro) SPINE-51, SPINE-66

DUVAL

Lung Grasping Forceps . CVT-47, GEN-37

D'ERRICO

Dressing Forceps SPINE-1, GEN-13,
NEURO-41
Hypophyseal Forceps GEN-30,
NEURO-44
Lamina Chisel SPINE-8
Nerve Root Retractor SPINE-68
Perforator Drill And Enlarging
Burr NEURO-19
Tissue Forceps GEN-51, NEURO-51
Ventricular Needle NEURO-64

E

E-SERIES INSTRUMENTS. OB-GYN-5

E-SERIES*

Bipolar Forceps . . . NEURO-29, OB-GYN-9,
PED-7, PED-20
Forceps NEURO-48–49, PED-20, PED-22,
OB-GYN-8
Needle Holders PED-32, PED-35
NEURO-62, OB-GYN-15
Scissors NEURO-97–98, PED-58–59,
OB-GYN-19–20

ECHLIN

Laminectomy Rongeurs NEURO-82,
SPINE-75

EDNA

Towel Clamps GEN-2

EDWARDS

Parallel Jaw Spring Clips CVT-41

ELEVATORS ENT-4, GEN-9–10, NEURO-16, NEURO-22–26, NEURO-102, OBE-24–25, OBE-69, PED-6, SPINE-1, SPINE-5, SPINE-29–34, SPINE-49

EMESES

Basin GEN-1

EPICARDIAL RETRACTOR CVT-57

EPSTEIN

Curettes SPINE-13

EVANS

Tissue Forceps GEN-51, OBE-37

EWALD-HUDSON

Dressing Forceps GEN-13, PED-10
Tissue Forceps GEN-52, PED-25

EXTRACTOR OB-GYN-5

EYE

Dressing Forceps ENT-6, PED-12

F

FANSLER

Proctoscope GEN-78

FARRELL

Applicator ENT-1

FAVALORO

Coronary Scissors CVT-80

FAVALORO-MORSE

Sternal Retractor CVT-75

FERGUSON

Abdominal Scissors GEN-130

FERRIS SMITH

Intervertebral Disc Rongeurs . . . SPINE-83
Tissue Forceps GEN-52, NEURO-51

FERRIS SMITH-KERRISON

Laminectomy Rongeurs SPINE-93

FINE

Scissors GEN-132, PED-55
Vascular Scissors CVT-60, CVT-85,
PED-65

FINOCHIETTO

Rib Retractor CVT-69, PED-42–43

FISHER

Tonsil Knife ENT-10, GEN-62

FIXED DURA GUARD NEURO-4–5

FLAT NOSE PLIERS GEN-75

FLETCHER-VAN DOREN

Uterine Sponge Holding Forcep . . OBE-32,
OB-GYN-11

FORCEPS. CVT-41, GEN-10, OBE-25, NEURO-26

Alligator NEURO-27, PED-7
Applying NEURO-27–28
Artery CVT-41, GEN-10
Bayonet NEURO-28
Bipolar PED-7–9, NEURO-28–34
Bipolar, Insulated NEURO-35
Bipolar, Irrigating NEURO-36–37
Bipolar Non-stick NEURO-28, PED-7
Bipolar, Stylets NEURO-37
Bone Cutting . . . NEURO-82–83, SPINE-76,
OBE-61–62

Brain Tumor NEURO-38
Catheter ENT-4
Cervical OB-GYN-5
Clamp Grasping [mixer] LAP-4
Clip Applying CVT-41, GEN-10
Clip Applying, Scalp NEURO-38
Coronary CVT-42
Cup NEURO-39, PED-9

Dissectomy NEURO-40, NEURO-46,
PED-9, PED-20, SPINE-35

Dissector Kelly LAP-1

Dissector Maryland LAP-1

Dressing ENT-5, GEN-11–15,
OBE-26, PED-10, NEURO-40–43,
SPINE-1

Dural GEN-16, NEURO-43

Ear ENT-5, PED-11

Eye ENT-6, PED-11–12

Fenestrated Grasping LAP-2

Fixation ENT-6, PED-12

Gallbladder GEN-16–17

Gastrointestinal GEN-18

Grasper. LAP-2

Grasping LAP-2–5

Hemostatic CVT-42, GEN-18–30,
NEURO-43, OBE-27–29, PED-12–18,

Hypophyseal GEN-30, NEURO-44

Hysterectomy OBE-29, OB-GYN-6–8

Intestinal CVT-43–46
GEN-15, GEN-31–34, GEN-56,
OBE-29–30, PED-19

Iris ENT-6, PED-11

Jewelers GEN-34, NEURO-45, PED-19

Kidney GEN-35

Ligamenta Flava GEN-36, NEURO-45,
SPINE-35

Ligature CVT-22, CVT-46–47, GEN-36,
OBE-10, OBE-31

Liver GEN-36, OBE-31

Lung CVT-47, GEN-37

Micro NEURO-27, NEURO-39,
NEURO-46, OB-GYN-8–9, PED-9,
PED-20, SPINE-35

Micro, Bayonet NEURO-46

Monopolar NEURO-47

Obstetrical. OB-GYN-9–10

Pile OB-GYN-11

Pituitary NEURO-39

Placenta OB-GYN-11

Pylorus GEN-37

Right Angle GEN-37, PED-21

Scalp GEN-20, GEN-38, NEURO-47–48,
. PED-13, PED-21

Septum ENT-7

Splinter GEN-39, PED-22

Sponge GEN-39–40, OBE-32

Sponge Holding OB-GYN-11, OBE-32

Standard Grasping LAP-3

Straight PED-22–23, NEURO-48–49

Straight, Single Action LAP-5

Suture Tag CVT-48, , GEN-40, PED-23

Tenaculum GEN-41

Tendon GEN-41, NEURO-50

Thoracic CVT-48–53
GEN-42–45, GEN-57, OBE-33–35,
PED-24

Tissue CVT-53–54, ENT-7,
GEN-21, GEN-45–57, OBE-27,
OBE-35–39, PED-24–27,
NEURO-50–52

Tongue Seizing ENT-7, GEN-57

ALPHABETICAL INDEX

FORCEPS (CONT.)

Tonsil Seizing ENT-8, GEN-58
Tube Holding GEN-58
Tumor NEURO-28
Tumor Grasper LAP-1
Tying NEURO-53, NEURO-60
Uterine Artery OB-GYN-12
Uterine Biopsy OB-GYN-12, OB-GYN-13
Uterine Dressing OB-GYN-13, OB-GYN-14
Uterine Tenaculum OB-GYN-14
Uterine Vulsellum OB-GYN-14-15
Vascular CVT-55-56, GEN-59-60,
OBE-39, PED-27-28
Vessel CVT-56, GEN-60
Wave Grasping Dg LAP-3

FRAZIER

Cautery Cord NEURO-3
Dural Hook NEURO-54, PED-28
Dural Scissors NEURO-95
Dural Separator NEURO-101
Suction Tubes PED-67, NEURO-107
Suction Tubes, With Thumb Piece To
Control Suction PED-67
Ventricular Needle NEURO-65

FREER

Septum Elevator ENT-4, GEN-10

FUKUSHIMA STYLE

Suction Tube NEURO-108

FULTON

Laminectomy Rongeurs NEURO-82,
OBE-61, SPINE-75

G

GAGS ENT-8, PED-28

GARRETT

Peripheral Vascular Retractor CVT-67
Vascular Dilators CVT-40, CVT-57,
CVT-60, PED-6

Gauge SPINE-1, SPINE-3,
SPINE-36, SPINE-48

GAYLER

Uterine Biopsy Forceps OB-GYN-12

GELPI

Perineal Retractor GEN-125, OB-GYN-17
Point Blade BW-21
Retractor GEN-124
Retractor, Pediatric PED-41, OB-GYN-17

GEMINI

Clamp CVT-57
Delicate Hemostatic Forceps PED-14
Hemostatic Forceps GEN-21, OBE-27
Tissue Forcep GEN-21, OBE-27

GERALD

Bipolar Forceps NEURO-29
Dressing Forceps NEURO-41-42,
GEN-13-14
Forcep NEURO-52, OBE-38
Tissue Forceps GEN-52-53,
NEURO-51-52, OBE-37

GERALD DEBAKEY

Tissue Forcep GEN-53, NEURO-52

GIGLI

Saw Handles NEURO-92
Twisted Wire Saws NEURO-92

GILLES

Skin Hook ENT-9, NEURO-57

GLASSMAN

Anterior Resection Clamps CVT-25
Forcep GEN-18
Gastrointestinal Clamps CVT-21

GLENNER

Hysterectomy Forceps OB-GYN-6

GLOVER

Auricle Appendage Clamp CVT-8, OBE-6
CVT-100
Bulldog Clamps CVT-11-12
Coarct Clamp CVT-20, CVT-99, OBE-8
Curved Clamp CVT-36, OBE-15, CVT-99
Patent Ductus Clamps CVT-25, CVT-99
Spoon Clamp CVT-99
Spoon-shaped Clamps CVT-37, OBE-15

GOELET

Retractor GEN-114

GOUGES

Case OBE-40, SPINE-36-37
Case OBE-44, SPINE-6,
SPINE-46, SPINE-108

GRAHAM

Nerve Hook NEURO-55

GRANT

Aortic Aneurysm Clamp CVT-7, OBE-5

GRAVES

Vaginal Specula OB-GYN-23

GREENBERG

Floating Secondary Bar NEURO-74
Handrest NEURO-73-74
Large Instrument Holder NEURO-76
Long Retractor Arm NEURO-73,
NEURO-75
Maxi-vise Adapter NEURO-75
Microinstrument Holder NEURO-76
Pattie Tray NEURO-73-74
Primary Bar NEURO-73, NEURO-75
Retractor Kit NEURO-73
Secondary Bar NEURO-73, NEURO-75
Short Coupler NEURO-75
Short Retractor Arm NEURO-75
Small Instrument Holder NEURO-76
Tapered Retractor Blades NEURO-73,
NEURO-77

Universal Retractor And Handrest
Kit NEURO-73
Universal Retractor Case NEURO-77,
NEURO-125
Universal Retraction System NEURO-73

GREENE

Thyroid Retractor GEN-127
Tube Holding Forceps GEN-58

GREENWOOD

Bipolar And Suction Forceps NEURO-30

GREGORY

Bulldog Clamps CVT-12
Stay Suture Clamps CVT-48, GEN-40,
PED-23

GUTHRIE

Eye Fixation Hooks ENT-8, PED-29

H

HAIGHT-FINOCCHIETTO

Rib Retractor CVT-70, PED-43

HALLE

Nasal Speculum ENT-14, PED-65

HALSEY

Needle Holder GEN-67, PED-33

HALSTED

Hemostatic Forceps GEN-22, PED-15
Mosquito Forceps GEN-22, PED-14

HAMMERS NEURO-66, SPINE-1, SPINE-38,
SPINE-48

HAND, LEAD GEN-61

HANDLES SPINE-1-2

HANDLES, KNIFE GEN-61

HANKS

Uterine Dilators OB-GYN-3

HARDY

Curettes NEURO-13, NEURO-113
Dressing Forceps NEURO-42, GEN-14
Enucleators NEURO-114
Fork NEURO-115
Instrument Case NEURO-115, NEURO-119
Knife Handle NEURO-115
Knife Handle, Bayonet NEURO-16
Lip Retractor NEURO-115
Micro Dissector NEURO-116
Micro Dissector, Bayonet NEURO-16
Nasal Bivalve Specula NEURO-116
Non-stick Mirror Finish Bipolar
Forceps NEURO-30
Pituitary Spoon NEURO-103, NEURO-116
Sella Punch NEURO-67, NEURO-117
Suction Tubes NEURO-109, NEURO-118
Transsphenoidal Mirror NEURO-118

HARKEN

Rib Retractor CVT-70, OBE-59

HARRINGTON

Forcep CVT-49, GEN-42, OBE-33
Splanchnic Retractors GEN-85, OBE-48
Thoracic Clamp Forceps CVT-49, GEN-43,
OBE-33

HARRINGTON-MIXTER

Thoracic Clamp CVT-49, GEN-42, OBE-33

HARTMANN

Ear Forceps ENT-5, PED-11

HEANEY

Endometrial Biopsy Curette OB-GYN-2
Hysterectomy Forceps OB-GYN-7
Hysterectomy Retractors OB-GYN-18
Needle Holder GEN-67-68, OBE-42

HEANEY-BALLANTINE

Hysterectomy OB-GYN-6

HEANEY-KANTER

Hysterectomy OB-GYN-7

HEANEY-REZAK

Hysterectomy OB-GYN-7

ALPHABETICAL INDEX

HEANEY-SIMON

Hysterectomy Retractor OBE-60,
OB-GYN-18

HEATH

Mallet GEN-63, SPINE-44

HEGAR

Uterine Dilators OB-GYN-4

HEISS

Artery Forceps CVT-41

HENLY

Modified Vascular Clamp CVT-37,
CVT-100
Retractor CVT-72, SPINE-72

HEPARIN

Flushing Needle. CVT-59–60,
NEURO-63
Tip Needles CVT-57

HIBBS

Mallet GEN-63, SPINE-44
Retractors GEN-115, SPINE-58

HILL-FERGUSON

Rectal Retractors GEN-125

HIMMELSTEIN

Sternal Retractor CVT-75, PED-46

HOEN

Angular Forceps . . . GEN-23, NEURO-27,
NEURO-43, PED-7, PED-15
Dressing Forceps . . . GEN-14, NEURO-42
Dural Separators NEURO-101
Intervertebral Disc Rongeur PED-48,
SPINE-84
Nerve Hook NEURO-55
Periosteal Elevators NEURO-24, SPINE-31
Scalp Hemostatic Forceps GEN-38,
NEURO-48
Tissue Forceps GEN-53, NEURO-52

HOKE

Osteotome SPINE-47

HOLSHER

Nerve Root Retractor . OBE-56, SPINE-69

HOOKS

Blunt NEURO-16
Bone OBE-41, SPINE-38
Cautery SPINE-1
Dural PED-28–29, NEURO-54,
SPINE-38
Eye ENT-8, PED-29
Impactors SPINE-39
Iris ENT-8, PED-29
Laminectomy SPINE-39, SPINE-54,
SPINE-62
Nasal ENT-9
Nerve OBE-41, NEURO-54–57,
SPINE-39–40
Skin ENT-9, PED-29, NEURO-57
Trachea. NEURO-56

HORGAN

Malleable Center Blade . GEN-89, OBE-51

HOUSE

Retractor GEN-120

HUANG

Vein Holder CVT-56

HUDSON

Brace NEURO-20, SPINE-1
Burrs. NEURO-19
Cerebellar Extension NEURO-21
Cranial Drill Set NEURO-20

HURD

Tonsil Dissector And Pillar
Retractor ENT-4

I

I.M.A.

Epicardial Retractors . . . CVT-64, PED-37
Forceps CVT-42, CVT-57
Needleholders CVT-57–58, GEN-65,
PED-30
Scissors CVT-57, CVT-81

IMA

Case CVT-57, CVT-90
Cross Bar BW-18, CVT-63, GEN-107
Kit CVT-57
Ratchet Mechanism BW-18, CVT-63,
GEN-107
Retractor Blade BW-18, CVT-63, GEN-107
Storage Case . BW-18, CVT-63, GEN-107

IMPACTOR

Graft, Bone SPINE-40, SPINE-42
Impactors SPINE-40–43

INGE

Lamina Spreaders . . . OBE-70, SPINE-98

IODINE CUP

IOWA UNIVERSITY

Periosteal Elevator . NEURO-24, SPINE-31

IRIS

Bipolar Forceps NEURO-30, PED-8
Scissors GEN-139, PED-58
Tissue Forceps . ENT-7, GEN-53, PED-26

ISRAEL

Retractor GEN-115

J

JACKSON

Tunneler CVT-91
Vaginal Retractors. OB-GYN-18

JACKSON-TROUSSEAU

Forceps Retractor/Dilator ENT-3

JACOBS

Uterine Vulsellum Forceps . . . OB-GYN-14

JACOBSON

Bulldog Clamps CVT-12
Needle Holders CVT-59, GEN-68

JAMISON

Metzenbaum Tenotomy Scissors . ENT-12,
GEN-144, PED-64

JANSEN

Dressing Forceps ENT-5, GEN-14,
NEURO-42
Mastoid Retractor . . . NEURO-78, PED-44
Monopolar Forceps NEURO-47
Scalp Retractor NEURO-79, PED-44

JANSEN-MIDDLETON

Septum Cutting Forceps ENT-7

JAVELIN

Micro-knife Handles . . GEN-62, SPINE-44

JAVID

Carotid Artery Bypass Clamps . . . CVT-16

JENNINGS

Mouth Gags ENT-8, PED-28

JEWELERS

Bipolar Forceps NEURO-30, PED-8
Forceps GEN-34, NEURO-45, PED-19

JOHNS HOPKINS

Bulldog Clamps CVT-13
Gallbladder Forceps GEN-16

JONES

Thoracic Clamp CVT-50, GEN-43, OBE-34
Towel Clamp GEN-2

JORGENSON

Dissecting Scissors . . . CVT-82, GEN-133

JOSEPH

Nasal Hook ENT-9
Periosteal Raspatory ENT-10, NEURO-68,
SPINE-50

JULIAN

Needle Holder GEN-69
Thoracic Artery Forceps . CVT-50, GEN-43

K

KARLIN™

Cervical Microdiscectomy
Instruments SPINE-15
Chisel Set SPINE-10
Crank Frame Spinal Retractor
Set SPINE-55
Disposable Blades . . . GEN-62, SPINE-44
Lumbar Microdiscectomy
Instruments OBE-17, SPINE-14
Magnum Chisels. SPINE-9
Magnum Mallet GEN-63, SPINE-45
Micro Knife Blade SPINE-15
Micro-knife Handle SPINE-44
Osteotome Set SPINE-47
PG Magnum Cobb Elevators OBE-25,
SPINE-33
Pronged Retractor Blades SPINE-57
Stiletto Chisel Set. SPINE-10
Ultra Cervical Microdiscectomy
Instruments SPINE-15
Ultra Knife Blade. SPINE-15
XL Cervical Microdiscectomy Kit . OBE-20,
SPINE-18
XL Magnum Cobb Elevators OBE-24,
SPINE-32
XL Magnum Cup Curettes OBE-18,
SPINE-16
XL Magnum Ring Curettes OBE-19,
SPINE-17

KARP

Aortic Punches CVT-60, GEN-78

KAY

Aorta Clamp CVT-3

ALPHABETICAL INDEX

KELLY

Blade GEN-108
Hemostatic Forceps GEN-23, PED-15
Placenta Forceps OB-GYN-11
Retractors GEN-86, OBE-48

KELLY SIMS

Retractor, Vaginal OB-GYN-17

KEY

Aorta Clamp CVT-3, CVT-100
Periosteal Elevators NEURO-24, SPINE-33

KIELLAND

Obstetrical Forceps OB-GYN-9

KILLIAN

Septum Specula ENT-14, PED-65

KIRSCHNER

Wire Cutter GEN-6, SPINE-24

KITTNER SECTO™

Dissectors NEURO-105

KNAPP

Iris Scissors ENT-11, GEN-139, PED-58

KNIFE

. ENT-9–10, GEN-61–62, NEURO-58

Micro GEN-62, SPINE-44

Sternal CVT-58

KNIFE HANDLES

. GEN-61

KNIGHT

Nasal Scissors ENT-11

KOCHER™

Hemostatic Forceps GEN-24, PED-16
Intestinal Forceps CVT-45, GEN-32–33, OBE-30

L

L JONES

Vascular Clamp CVT-26, CVT-100

LAHEY CLINIC

Dural Hook NEURO-54, PED-29

LAHEY

Gall Duct Forceps GEN-16

Hemostatic Forceps GEN-25, PED-16

Scissors GEN-131, PED-54

Thyroid Retractor GEN-127

Thyroid Tenaculum Forceps GEN-41

LAMBERT-KAY

Aorta Clamp CVT-4, CVT-100

LAMINA

Spreader OBE-71, SPINE-98

LANGENBECK

Periosteal Elevators NEURO-25, SPINE-33

Retractors GEN-115

LAPAROSCOPIC

Instrument Tray LAP-7

Instruments, Forceps, Dissector LAP-1

Instruments, Forceps,

Grasping LAP-1–4

Instruments, Forceps, Spoon LAP-5

Instruments, Needle Holder LAP-6

Instruments, Accessories, Mat LAP-7

Instruments, Forceps, Grasping,

Detachable LAP-5

Laparoscopic Instruments, Handle

Reference Guide LAP-8

Instruments, Scissors LAP-7

Instruments, Tray LAP-7

LATERAL

Gutter Impactor SPINE-42

LAUFE

Uterine Polyp Forceps OB-GYN-14

LAWRIE

Modified Circumflex Scissors CVT-80

LEBSCHKE

Sternal Knife CVT-58

LEES

Bronchus Clamp CVT-9, CVT-100, OBE-6

Right-angle Clamp CVT-37, CVT-100

LEKSELL

Laminectomy Rongeurs NEURO-81, SPINE-74

LELAND JONES

Peripheral Vascular Clamps CVT-26

LEMMON

Intima Dissectors CVT-40

LEMPERT

Rongeur NEURO-86, SPINE-78

LEROY

Scalp Clip Applying Forceps NEURO-1, NEURO-27, NEURO-38

LIDDICOT

Aortic Valve Retractors CVT-62

LIGAMENTA FLAVA

Forceps GEN-36, NEURO-45, SPINE-35

LISTER

Bandage Scissors GEN-130

LISTON

Bone Cutting Forceps NEURO-86, PED-47, SPINE-79

LITTAUER

Stitch Scissors GEN-141, PED-62

LITWAK

Mitral Valve Scissors CVT-84, OBE-67

LIVER CLAMP GEN-36, OBE-31

LOCKWOOD-ALLIS

Tissue Forceps GEN-53

LORE

Suction Tube And Tip Holding
Forceps GEN-58

LOVE

Nerve Root Retractors SPINE-69

LOVE-ADSON

Periosteal Elevator NEURO-25, SPINE-33

LOVE-GRUENWALD

Intervertebral Disc Rongeurs PED-49, SPINE-84,

Rongeur OBE-63, SPINE-85

LUBRICANT CVT-78, GEN-62, NEURO-8

LUCAE

Ear Forceps ENT-5, PED-11

LUER

Bone Rongeurs NEURO-87, SPINE-79

LUICKART

Obstetrical Forceps OB-GYN-9

LUMBAR SPANNER SET

LUMBAR SPONDYLOPHYTE IMPACTION

SET SPINE-42

M

M.G.H.

Uterine Vulsellum Forceps OB-GYN-14

MAGILL

Endotracheal Catheter Introducing
Forceps ENT-4

MAGNAFREE™

Adson Tissue Forcep GEN-54, PED-26

Crile Forceps GEN-25, PED-17

Dressing Forcep GEN-15, OBE-26

Mayo Scissor GEN-133

Mayo-Hegar Needle Holder GEN-69

Metzenbaum Scissor GEN-133

Penfield Dissectors GEN-8, NEURO-14, OBE-23

Sponge Forcep GEN-39, OBE-32

Tissue Forcep GEN-54, PED-26

Woodson Elevator And

Spatula NEURO-25

MAGRINA BOOKWALTER

Vaginal Retractor BW-22, GEN-98, GEN-111, OB-GYN-16

Vaginal Retractor Deaver Blades BW-8

MALIS

Bayonet Cup Forceps NEURO-38

Bipolar Forceps NEURO-31–32, PED-8

Bipolar Coagulation And Cutting
Forceps PED-8, NEURO-32

Bipolar Forceps, Straight, Titanium PED-8

Bipolar Irrigating Forceps NEURO-36

Brain Retractor Kit GEN-110, NEURO-69

Cerebellar Retractor NEURO-71

Curette NEURO-13

Dissectors NEURO-15

Double Connectors GEN-110, NEURO-69

Elevators NEURO-25

Forceps NEURO-46, NEURO-49, PED-23

Hinge Clamp GEN-110, NEURO-69

Ligature Passer NEURO-65

Needle Holders NEURO-60, NEURO-62

Needle Holders, Titanium GEN-69

Nerve Hooks NEURO-55

Nuerosurgical Scissors NEURO-100, SPINE-1

Scissors NEURO-96, NEURO-98

Vessel Supporter NEURO-112

MALIS-FRAZIER

Suction Tubes PED-67, NEURO-109

MALIS-JENSEN

Bipolar Forceps NEURO-31

Insulated Forceps NEURO-31

MALLETS GEN-63, SPINE-44–45

MARKER GEN-75, NEURO-66

MARKHAM-MEYERDING

Hemilaminectomy Retractors GEN-122, SPINE-60

MARTIN

Tissue Forceps GEN-54

MASTERS

Intestinal Clamps CVT-45, GEN-33, OBE-30

ALPHABETICAL INDEX

MASTERS-SCHWARTZ

Liver Clamp GEN-36, OBE-31

MASTERSON

Hysterectomy Forceps OB-GYN-8
Pelvic Clamp OBE-12, OB-GYN-1

MAT

Pin For Laparoscopic Instrument
Tray LAP-7

MATHEWS

Drill Points NEURO-21
Hand Drill NEURO-21

MATHIEU

Retractors GEN-115

MATSON

Rib Stripper And Elevator CVT-88

MATTOX

Aorta Clamp CVT-4, CVT-101

MATTOX-POTTS

Scissors CVT-86, PED-65

MAYO GUYON

Kidney Clamp GEN-35

MAYO

Common Duct Scoops GEN-146, OBE-67
Dissecting Scissors GEN-134–135,
PED-56

MAYO-HARRINGTON

Scissor GEN-135, OBE-65

MAYO-HEGAR

Needle Holders GEN-70, OBE-42, PED-33

MAYO-NOBLE

Dissecting Scissors GEN-135

MAYO-RUSSIAN

Tissue Forceps GEN-54

MCBURNEY

Thyroid Retractor GEN-127

MCKENZIE

Enlarging Burr NEURO-21
Perforator Drill NEURO-21

MCLANE-LUIKART

Obstetrical Forceps OB-GYN-10

MCLANE-TUCKER

Obstetrical Forceps OB-GYN-10

MEDICINE CUP

. GEN-5

MEDIUM OVAL RING

. OBE-51–52

MEEKER

Intestinal Forceps CVT-43, GEN-33,
OBE-30

MEIGS

Uterine Curette OB-GYN-2

MENISCUS

Clamp SPINE-11

METHODIST

Vascular Suction Tube CVT-89, GEN-150,
OBE-72

METZENBAUM

Dissecting Scissors, Delicate GEN-131,
GEN-136
Dissecting Scissors, Standard GEN-137
Dissecting Scissor, Super-cut GEN-137
Dissecting Scissors OBE-66, PED-57
Dissecting Scissors Straight GEN-138
Scissor GEN-137, OBE-65
Tenotomy ENT-12, GEN-144, PED-64

MEYERDING

Finger Retractors GEN-116
Laminectomy Retractors GEN-123,
OBE-56, SPINE-61
Retractor BW-22, GEN-109, GEN-116,
SPINE-52
Retractor Blades SPINE-54

MICRO CUP

Pituitary Forceps NEURO-39

MICRO

Curette NEURO-16
Forceps NEURO-49, NEURO-59, PED-23
Lateral Gutter Impactor SPINE-41,
SPINE-43
Needle Holders NEURO-62–63, PED-35
Nerve Hook NEURO-57
Offset Central Canal Impactor SPINE-41,
SPINE-43

Pituitary Style Scissors NEURO-94
Scissors NEURO-59, NEURO-98, PED-59
Tying Forceps NEURO-53, NEURO-59

MICROCARE®

Instrument Case NEURO-59–60
Universal Bayonet Instrument
Case NEURO-121
CIS Large Set NEURO-122
Clip Trays NEURO-122
Combo Tray GEN-154
Flexible Silicone Mat GEN-152, GEN-154
Large Base Tray NEURO-122
Large Bayonet Case GEN-153
Large Case GEN-155, NEURO-124
Polytec Cases GEN-152
Small Base Tray NEURO-122
Small Bayonet Case GEN-153
Small Case GEN-155, NEURO-124
Small Polytec Case NEURO-121

MICROSECT

Curette Kit OBE-22, SPINE-20
Shavers NEURO-91, SPINE-96

MICROSURGICAL INSTRUMENT

KIT #1 NEURO-59

MICROSURGICAL INSTRUMENT

KIT #2 NEURO-59

MICROVASC

Instruments NEURO-60
Kit NEURO-60
Modified Alm Retractors GEN-126,
NEURO-79, PED-45
Needle Holders NEURO-63
Scissors NEURO-99
STA-MCA Kit NEURO-60
Tying Forceps NEURO-53

MICROVASCULAR

Needle Holders GEN-70

MILLER

Rasp NEURO-68, SPINE-50

MILLET

Neurological Test Instrument NEURO-66

MILLIGAN

Dissector GEN-8, NEURO-15, SPINE-27

MISKIMON

Cerebellar Retractor NEURO-72

MIXTER

Clamp CVT-16, CVT-48, CVT-64
Gallbladder Forceps GEN-17
Hemostatic Forceps GEN-26, PED-17
Operating Scissors GEN-140,
PED-59–60, NEURO-100
Thoracic Clamp Forceps CVT-50–51,
GEN-43–44, OBE-34

Ventricular Needles NEURO-65

MODULAR AIR DRIVER

. NEURO-4–5

MOLT

Periosteal Elevator #9 NEURO-25,
SPINE-34

MORRIS

Aorta Clamp CVT-4, CVT-101, OBE-3

MORSE

Sternal Retractors CVT-76

MOSQUITO

Hemostatic Forceps GEN-26, PED-17,
CVT-60

MOUTH GAGS

. ENT-8, PED-28

MOYNIHAN

Gall Duct Forceps GEN-17

MRI

Adson Tissue Forcep PED-26, GEN-54
Crile Forceps GEN-25, PED-17
Dressing Forcep GEN-15, OBE-26
Mayo Scissor GEN-133
Mayo-Hegar Needle Holder GEN-69
Metzenbaum Scissor GEN-133
Penfield Dissectors GEN-8,
NEURO-14, OBE-23
Sponge Forcep GEN-39, OBE-32
Tissue Forcep GEN-54, PED-26
Woodson Elevator And
Spatula NEURO-25

MULTI-PURPOSE CLAMP

. CVT-16, CVT-64

MURLESS

Fetal Head Extractor OB-GYN-5

MURPHY

Retractors CVT-65, GEN-116

MYOCARDIAL

Dilator CVT-39

N

NEEDLE HOLDERS CVT-58–59,
ENT-10, GEN-63–74, NEURO-59–63,
OBE-41–44, PED-29–35

Bayonet NEURO-60–61
Needle Holders, Micro OB-GYN-15,
PED-35,

Straight, Single Action LAP-6

NEEDLE NOSE PLIERS

. GEN-76

NEEDLES

. CVT-59, NEURO-16,
NEURO-63–65

NELSON

Scissors CVT-82, GEN-138, OBE-66

NERVE

Hooks OBE-41, NEURO-54–57,
SPINE-39–40

NEW CODMAN

Bipolar Insulated Forceps NEURO-35

ALPHABETICAL INDEX

Discectomy, Microlumbar SPINE-57
Double Ended GEN-113, SPINE-58
Dural SPINE-48, SPINE-58
Endaural PED-44, NEURO-79
Epicardial . . . PED-37, CVT-57, CVT-64–65
Eye ENT-10
General Purpose . CVT-65, GEN-113–119,
NEURO-72, OBE-55, PED-37–38,
SPINE-58
Greenberg NEURO-73–77
Hand Held GEN-120
Hook BW-22, GEN-109, SPINE-52
Hysterectomy OB-GYN-18
Knee GEN-121
Lachrymal ENT-10
Laminectomy GEN-121–123,
NEURO-77, OBE-55–56, PED-39,
SPINE-59–64
Laminectomy, Blade SPINE-64–65
Lip NEURO-115
Lumbar SPINE-48, SPINE-65
Lung CVT-66, GEN-124, OBE-56
Magrina-Bookwalter, Kit GEN-111,
OB-GYN-16
Mastoid PED-44, NEURO-78
Microsurgical SPINE-66
Nerve Root OBE-56, PED-39–40,
SPINE-49, SPINE-66–71
Obese Patient OBE-51–53
Obstetric . GEN-124, OBE-57, OB-GYN-16
Orthopedic OBE-57
Perineal GEN-124–125, OB-GYN-17,
PED-41,
Peripheral Vascular CVT-66–67
Rectal GEN-125, OBE-57
Rib CVT-67–71, OBE-58–59
PED-41–43
Scalp PED-43–44, NEURO-78–79
Scapular CVT-71, GEN-126, PED-44
Self-retaining CVT-72, SPINE-71–72
Skin GEN-126, PED-45, SPINE-1
Spine SPINE-55
Spring GEN-126, PED-45
Sternal CVT-16, CVT-64, CVT-72–76,
OBE-60, PED-45–46
Sternotomy CVT-77
Suction SPINE-43, SPINE-70
Thyroid OBE-60, GEN-127
Tissue GEN-128, NEURO-80, PED-47,
SPINE-72
Vaginal (hysterectomy) OBE-60
OB-GYN-18
Vaginal GEN-98, GEN-105, GEN-111,
OB-GYN-16–17, BW-8, BW-15, BW-22
Vein GEN-128–129, OBE-61,
NEURO-80, SPINE-1
REUL
Aorta Clamp CVT-5, CVT-101, OBE-4
Coronary Artery Scissors CVT-81
Coronary Forceps CVT-42

REYNOLDS
Clamp CVT-102
Vascular Clamps CVT-38
RHODE ISLAND
Hospital Instrument Holder GEN-79
RHOTON
Bipolar Forceps NEURO-33–34
Bipolar Irrigation Forceps NEURO-37
Curettes NEURO-14
Dressing Forceps GEN-15, NEURO-42
Dural Forceps GEN-16, NEURO-43
Elevators NEURO-26
Forceps NEURO-46, NEURO-49
Micro Cup Forceps NEURO-39, PED-9
Micro Dissector Set GEN-9, NEURO-16
Needle NEURO-63
Needle Holders NEURO-61, NEURO-63
Needle Holders, Titanium GEN-71
Nerve Hooks NEURO-56
Scissors NEURO-97, NEURO-99
Tumor Forceps NEURO-28
RHOTON-MERZ
Suction Tube NEURO-110
RIB RASP CVT-61, NEURO-67, SPINE-50
RIB RONGEUR CVT-77, NEURO-91,
OBE-65, SPINE-95
RIB SHEARS CVT-87–88, OBE-68–69
RIB STRIPPER CVT-88
RIBBON
Malleable Retractors GEN-117, OBE-55
RICHARDSON
Appendectomy Retractor GEN-87–88,
OBE-49
Retractors GEN-87–88, OBE-49
RICHARDSON-EASTMAN
Retractors GEN-88, OBE-49
RIGHT ANGLE CLAMPS GEN-21, GEN-37,
OBE-27, PED-14, PED-21,
ROBERTS
Episiotomy Scissors OB-GYN-19
ROCHESTER-CARMALT
Hemostatic Forceps CVT-42, GEN-27,
OBE-28
ROCHESTER-OCHSNER
Hemostatic Forcep OBE-28, GEN-28
ROCHESTER-PEAN
Forcep OBE-29
Hemostatic Forceps GEN-29, PED-18
ROEDER
Towel Clamp GEN-3
ROGERS
Needle Holders GEN-71, OBE-42
Hysterectomy Forceps OBE-29,
OB-GYN-8
ROLLET
Lachrymal Sac Retractor ENT-10
RONGEURS
Bone, Double Action OBE-61–63,
NEURO-81–84, SPINE-73–77
Bone, Single Action NEURO-85–87,
PED-47, SPINE-78–79
Cervical, Detachable NEURO-87,
SPINE-73

Cervical Laminectomy PED-52,
SPINE-92
Cervical, Kerrison NEURO-88, SPINE-80
Cranial NEURO-85–86, NEURO-89–90,
SPINE-78
IVD OBE-63, PED-48–51,
SPINE-1, SPINE-81–88
Kerrison NEURO-90, SPINE-95
Laminectomy NEURO-82, OBE-61,
SPINE-74–75, SPINE-89–90, SPINE-93
Laminectomy, Kerrison PED-52–53,
SPINE-89–90
Leksell NEURO-81, SPINE-74
Lumbar, Detachable SPINE-94
Lumbar, Kerrison OBE-64, SPINE-91–94
Micro NEURO-90
Rib CVT-77, NEURO-91, OBE-65,
SPINE-95
Shavers NEURO-91, SPINE-96
ROUND DISSECTOR NEURO-16
RUBIO
Needle Holder GEN-71–72
Wire Holding Clamp GEN-4, GEN-72,
PED-5, PED-34
RUMEL
Cardiovascular Tourniquets CVT-89,
OBE-74
Thoracic Forceps CVT-52, GEN-44
RUSKIN
Bone Cutting Forceps NEURO-82,
SPINE-75
Bone Rongeurs NEURO-83, SPINE-76
RUSSIAN
Tissue Forcep GEN-54–55, OBE-38,
PED-26
RYDER
Needle Holders CVT-60, GEN-72–73,
OBE-43, PED-34–35

S

SACHS
Nerve Separator-spatula NEURO-101
Suction Tubes OBE-73, NEURO-111
SALIBI
Carotid Artery Clamp CVT-17
Carotid Artery Clamp Tools CVT-17
SAROT
Artery Forcep GEN-10
Bronchus Clamp CVT-9, CVT-102
Intra-thoracic Forceps CVT-52, GEN-45
Needle Holders GEN-73, OBE-43
SATINSKY
Scissor CVT-83, OBE-67
Vena Cava Clamp CVT-38, CVT-102–103,
OBE-16
SAUERBRUCH
Rib Shears CVT-87, OBE-69
Saw, Air Powered, Sternum CVT-78–79
SAWS/HANDLES/GUIDES NEURO-92–93
SAWYER
Rectal Retractor GEN-125, OBE-57

ALPHABETICAL INDEX

SCHLESINGER

Intervetebtral Disc Rongeurs PED-50,
SPINE-86

SCHNIDT

Hemostatic Forceps GEN-29

SCHROEDER

Uterine Tenaculum Forceps . . OB-GYN-14
Uterine Vulsellum Forceps . . OB-GYN-15

SCHUBERT

Uterine Biopsy Forceps. OB-GYN-13

SCHUMAKER

Aortic Clamp CVT-5

SCHWARTZ

Temporary Clamp Applying
Forceps NEURO-2
Temporary Intracranial Artery
Clamps. NEURO-2
Temporary Vessel Clamp Applying
Forceps NEURO-2

SCISSORS

. NEURO-60, ENT-11-13,
GEN-131-132, GEN-144, PED-55,
PED-64
Abdominal GEN-129-130
Alligator PED-53-54, NEURO-94-95
Bandage GEN-130
Cardiovascular CVT-79, CVT-85
Circumflex Artery CVT-79-80
Corneal ENT-11, PED-54
Coronary Artery CVT-57, CVT-80-81
Delicate GEN-131-132, PED-54-55
Dissecting CVT-82-83, CVT-86
GEN-132-138, OBE-65-67, PED-55-57
Dural . . NEURO-95, NEURO-101, PED-60
Endarterectomy CVT-83
Episiotomy. OB-GYN-19
Iris ENT-11, GEN-139, PED-58
Mayo GEN-132, GEN-134-135,
OBE-65, PED-55-56
Metzenbaum LAP-7
Micro, Bayonet NEURO-96-97
Micro, Straight PED-59
Microsurgical NEURO-97-99,
OB-GYN-19-20, PED-58-59
Mini-metzenbaum LAP-7
Mitral valve. CVT-84, OBE-67
Nasal ENT-11
Neurological SPINE-1, PED-59-60,
NEURO-100-101
Operating . . . GEN-139-141, NEURO-100,
PED-59-61
Stitch. CVT-83, ENT-12, GEN-141,
GEN-143, PED-62-63
Strabismus ENT-11-12, GEN-141,
PED-61-62
Suture . . CVT-83, ENT-12, GEN-141-143,
PED-62-63
Tenotomy ENT-12-13, GEN-144-145,
PED-64
Tissue CVT-84, GEN-145
Tonsil ENT-13, GEN-145
Trigeminal. NEURO-100
Umbilical OB-GYN-20
Uterine. OB-GYN-19

Valve CVT-84, OBE-67

Vascular . . . CVT-60, CVT-85-86, PED-65

SCOOPS

SCOVILLE

Brain Spatulas NEURO-102
Cervical Disc Retractor. SPINE-54
Curette OBE-22, SPINE-21
Hemilaminectomy Retractor, Self-
Retaining SPINE-63
Hook Retractor BW-22, GEN-109,
SPINE-52
Hooks . . . SPINE-39, SPINE-54, SPINE-62
Nerve Root Retractors . PED-40, SPINE-70
Retractor Blades. SPINE-62-64
Retractor Blades, Four Prong. . . SPINE-62
Retractor Hook SPINE-63-64
Ruptured Disc Curettes OBE-23,
SPINE-20
Ventricular Needle NEURO-65

SCOVILLE-HAVERFIELD

Hemilaminectomy Retractor . . . SPINE-62

SELETZ-GELPI

Laminectomy Retractor SPINE-63

SELMAN

Forcep GEN-56, OBE-38

SILVERSTONE

Carotid Artery Clamp Tools CVT-18
Carotid Artery Clamps CVT-17
Intervetebtral Disc Rongeurs PED-50,
SPINE-87

SEMB

Forceps CVT-102
Ligature Carrying Forceps CVT-22,
CVT-47, GEN-36, OBE-10, OBE-31

SEMI-SHARP HOOK

SEMKEN

Dressing Forceps . . . GEN-15, NEURO-43
Tissue Forceps GEN-56,
NEURO-52, PED-27

SEMMES

Spinal Fusion Curettes. SPINE-21

SENN

Retractors GEN-118

SEPARATORS

. NEURO-17,
NEURO-101-102, SPINE-28, SPINE-34

SHEARS, RIB

. CVT-87-88, OBE-68-69

SHORTBENT

Stitch Scissors . CVT-83, GEN-142, PED-62

SIMPSON

Obstetrical Forceps. OB-GYN-10

Uterine Sound OBE-69, OB-GYN-21

SIMS

Rectal Speculum GEN-146, PED-66
Uterine Curettes OB-GYN-2-3
Uterine Scissors OB-GYN-19

SINGLEY TUTTLE

Intestinal Forceps GEN-15, GEN-56

SKILLMAN

Hemostatic Forceps GEN-30, PED-18

SKULL

Perforator Guard. NEURO-4

SKULL TONGS

SMITH

Nerve Root Suction Retractor . . SPINE-70
Suture Wire Scissors GEN-142

SMITH-PETERSEN

Bone Gouges SPINE-37
Laminectomy Rongeurs NEURO-84,
OBE-63, SPINE-77
Mallet GEN-63, SPINE-45
Osteotomes SPINE-48

SMITHWICK

Button Hook NEURO-56
Nerve Hook And Dissector . . . NEURO-56,
OBE-41

SNARE WIRE

. ENT-14

SNARES

. ENT-14

SNITMAN

Endaural Retractor . . NEURO-79, PED-44

SOFIELD

Retractor GEN-120

SOUNDS

Uterine OBE-69, OB-GYN-21

SPANNERS

Cervical. SPINE-96
Lumbar SPINE-97

SPANNER GAUGE

. SPINE-5, SPINE-36
SPINE-48

SPANNER WRENCH

. SPINE-1, SPINE-5

SPATULA DISSECTOR

. NEURO-16

SPATULAS/SPOONS AND ELEVATORS,

BRAIN . NEURO-26, NEURO-102, OBE-25,
OBE-69, SPINE-34

SPATULAS/SPOONS,

PITUITARY. NEURO-103

SPECULA

Nasal ENT-14-15, PED-65-66,
NEURO-116

Rectal GEN-146, PED-66

Vaginal OBE-70, OB-GYN-21-24

SPENCE

Intervetebtral Disc Rongeur . . . SPINE-87

SPENCER

Stitch Scissors GEN-142, PED-63

SPETZLER

Neuro-vascular Instrument
Kit. NEURO-104
Neuro-vascular Dissectors NEURO-17
Neuro-vascular Forceps NEURO-28
Neuro-vascular Needle Holder. . NEURO-61
Neuro-vascular Scissors NEURO-97
Neuro-vascular Bipolar
Forceps NEURO-34

SPINAL FUSION

Curette Storage And Sterilizing
Case NEURO-119, OBE-75,
SPINE-105, SPINE-23
Curettes OBE-23, SPINE-22

SPONGE

Holding Forceps GEN-40, OBE-32

SPONGES

. GEN-147, NEURO-105

SPONGE BOWL

. GEN-1

SPONGES/PATTIES

. NEURO-105

SPREADERS

. GEN-37, OBE-70-71,
SPINE-48, SPINE-97-98

ALPHABETICAL INDEX

VEIN RETRACTOR GEN-128–129,
NEURO-80, SPINE-1
VEIN STRIPPERS GEN-147, GEN-158
VESSEL SUPPORTER NEURO-112
VIENNA
Nasal Specula ENT-15, PED-66
VIOLI
Gooseneck Table Post BW-15
Ironman Horizontal Ring Holder . . BW-10,
GEN-101
VIRTUS
Splinter Forceps GEN-39, PED-22
VISE GRIPS GEN-158
VITAL
Wire Cutter SPINE-25, GEN-6
VOLKMANN
Retractors GEN-118
VON GRAEFE
Fixation Forceps ENT-6, PED-12

W

WALTER
Splinter Forceps GEN-39, PED-22
WANGENSTEEN
Needle Holder GEN-74, OBE-44
WAXER SPINE-15, SPINE-109
WEARY
Nerve Hook NEURO-56
Nerve Root Retractor . . PED-40, SPINE-71
WEBSTER
Needle Holder GEN-67, PED-31
WEINSTEIN
Rack GEN-79
WEISENBACH
Forceps Holder GEN-79
WEITLANER
Retractors . . . CVT-60, GEN-119, PED-38

WELDON
Miniature Bulldog Clamps CVT-13
WESCOTT
Stitch Scissors ENT-12, GEN-143, PED-63
Tenotomy Scissors ENT-13, GEN-145,
PED-64
WHITE
Tonsil Seizing Forceps ENT-8, GEN-58
WIEDER
Tongue Depressors ENT-2
WILDE
Intervertebral Disc Rongeurs PED-51,
SPINE-88
WILLAUER-ALLIS
Forcep CVT-53, GEN-45, GEN-57,
OBE-35
WILLIAMS
Discectomy Forceps PED-9, PED-20,
NEURO-40, NEURO-46, SPINE-35
Micro Discectomy Instruments SPINE-57
Microlumbar Discectomy
Retractor SPINE-66
Microlumbar Discectomy Suction
Retractor SPINE-100
Splinter Forceps GEN-39, PED-22
WIRE CUTTERS GEN-6–7, SPINE-24–26
WIRE
Instrument Rack GEN-80
Pass Drill Guard NEURO-4–5,
NEURO-10, NEURO-18
Stylets SPINE-99
Suture Scissors GEN-143, PED-63
Twister CVT-91
WITTNER
Uterine Biopsy Forceps OB-GYN-13
WOODSON
Dural Separator And Packer NEURO-102,
SPINE-34
Elevator And Spatula OBE-25, OBE-69,
NEURO-26, NEURO-102, SPINE-34

WRENCH
Spanner SPINE-1, SPINE-5
WYLIE
J Clamp CVT-1, OBE-2

X

XL
Cervical Bone Waxer SPINE-109
Cervical Micro Nerve Hook NEURO-57
Cervical Ultra Micro Nerve
Hook NEURO-57
Magnum Cup Curettes With
Case SPINE-16
Magnum Instrument Case SPINE-32

Y

YANKAUER
Suction Tubes GEN-150–151, OBE-73–74
YASARGIL
Micro Suction Tubes NEURO-111
Non-stick Mirror Finish Bipolar
Forceps NEURO-34
Non-stick Mirror Finish Insulated
Bipolar Forceps NEURO-34
YOUNGE
Endometrial Biopsy Curette OB-GYN-2
Uterine Biopsy Forceps OB-GYN-12

Z

ZALKIND
Retractor GEN-119
ZAUFAL-JANSEN
Rongeur NEURO-84, SPINE-77

NUMERICAL INDEX

11-1002SPINE-1-2	19-4000GEN-54, PED-26	19-8150CVT-16, CVT-48, CVT-64, GEN-42, PED-24	23-1049SPINE-22
11-1011SPINE-1, SPINE-4	19-4001GEN-54	19-8152CVT-50, GEN-43, OBE-34	23-1051 . . .SPINE-1, SPINE-22
11-1015NEURO-92	19-4004OB-GYN-1	19-8167CVT-9, CVT-102	23-1052 . . .SPINE-1, SPINE-22
11-1016NEURO-92	19-4012GEN-3	19-8168CVT-9, CVT-102	23-1053 . . .SPINE-1, SPINE-22
11-1019SPINE-1, SPINE-4	19-4018GEN-35	20-1855NEURO-2	23-1054SPINE-22
11-1020CNEURO-93	19-4056GEN-18	20-1856NEURO-2	23-1055SPINE-22
11-1021CNEURO-93	19-4060CVT-43, GEN-31, OBE-29	20-5008NEURO-2	23-1056SPINE-22
11-1040 . . .SPINE-7, SPINE-48	19-4061CVT-45, GEN-33, OBE-30	20-5020CVT-17	23-1057SPINE-22
11-5530GEN-61	19-4062CVT-45, GEN-33, OBE-30	20-5115NEURO-1, NEURO-28, NEURO-38	23-1058SPINE-22
11-5531GEN-61	19-4063GEN-36, OBE-31	20-5117NEURO-1, NEURO-27, NEURO-38	23-1059SPINE-22
11-5534GEN-61	19-4096CVT-46, GEN-34	20-5120NEURO-1, NEURO-27, NEURO-38	23-1061SPINE-22
11-5535GEN-61, SPINE-1	19-4097CVT-46, GEN-34, PED-19	20-5160CVT-18	23-1062SPINE-22
12-1005CSPINE-1-2	19-4098CVT-46, GEN-34, PED-19	20-5161CVT-18	23-1063SPINE-22
12-1006CSPINE-1-2	19-4133CVT-29, GEN-4	20-5162CVT-18	23-1064SPINE-22
12-1007 . . .SPINE-1, SPINE-4	19-4137GEN-2	20-5163CVT-18	23-1065SPINE-22
13-1004CSPINE-39, SPINE-62-64	19-4141GEN-2	20-5164CVT-18	23-1066SPINE-22
13-1005CSPINE-39	19-4146GEN-3	20-5165CVT-18	23-1067SPINE-22
13-1008SPINE-62-64	19-4172CVT-46, GEN-33	20-5166CVT-18	23-1068SPINE-22
13-1009SPINE-64	19-5505OB-GYN-6	20-5167CVT-18	23-1069SPINE-22
13-1010SPINE-62	19-5515OB-GYN-11	21-1001 . . .GEN-156, SPINE-1, SPINE-107	23-1081OBE-23, SPINE-22
13-1011SPINE-62	19-5579GEN-21, PED-14	21-1003 .NEURO-119, OBE-75, SPINE-23, SPINE-105	23-1082OBE-23, SPINE-22
13-1012SPINE-62	19-5580CVT-57, GEN-21	21-1006SPINE-49	23-1083OBE-23, SPINE-22
13-1013SPINE-62	19-5581GEN-21	21-1020 . . .SPINE-7, SPINE-108	23-1084OBE-23, SPINE-22
13-1017SPINE-54	19-5582GEN-21, OBE-27	21-1022 .NEURO-119, OBE-75, SPINE-23, SPINE-105	23-1085OBE-23, SPINE-22
13-1054SPINE-65	19-5583GEN-21, OBE-27	21-2500OBE-44, SPINE-6, SPINE-46, SPINE-108	23-1086OBE-23, SPINE-22
13-1055SPINE-65	19-8010CVT-28, GEN-3	21-3000GEN-153	23-1087OBE-23, SPINE-22
13-1056SPINE-65	19-8025CVT-48, GEN-40, PED-23	21-3001GEN-153	23-1088OBE-23, SPINE-22
13-1057SPINE-65	19-8026CVT-48, GEN-40, PED-23	21-3002GEN-153	23-1089OBE-23, SPINE-22
13-1061SPINE-54	19-8027CVT-48, GEN-40, PED-23	21-4002GEN-80	23-1130CSPINE-13
13-1063SPINE-54	19-8029CVT-48, GEN-40, PED-23	21-4003GEN-79	23-1131CSPINE-13
13-1064 . . .SPINE-39, SPINE-54	19-8070CVT-13	21-8000CVT-57	23-1132CSPINE-13
13-1065 . . .SPINE-39, SPINE-54	19-8071CVT-13	21-8005CVT-39, GEN-156	23-2570OBE-16, SPINE-11
13-1066 . . .SPINE-39, SPINE-54	19-8072CVT-13	21-8010CVT-16, CVT-64	23-2571OBE-16, SPINE-11
14-1000NEURO-17	19-8073CVT-13	21-8011CVT-56	23-2572OBE-16, SPINE-11
14-1020NEURO-92	19-8080CVT-13	21-8015CVT-60	23-2573OBE-16, SPINE-11
14-1021NEURO-92	19-8081CVT-13	23-1000OBE-23, SPINE-20	23-2574OBE-16, SPINE-11
14-1025NEURO-93	19-8082CVT-13	23-1001OBE-23, SPINE-20	23-2575OBE-16, SPINE-11
14-1043SPINE-1, SPINE-4	19-8083CVT-13	23-1002OBE-23, SPINE-20	23-2576OBE-16, SPINE-11
14-1044SPINE-1, SPINE-4	19-8090CVT-11, CVT-57	23-1013SPINE-12	23-2577OBE-16, SPINE-11
15-1000CNEURO-18	19-8091CVT-11, CVT-57, CVT-60	23-1014SPINE-12	23-2578OBE-16, SPINE-11
15-1001CNEURO-18	19-8092CVT-11	23-1015SPINE-12	23-5500OB-GYN-3
15-1002CNEURO-18	19-8093CVT-11	23-1020C .SPINE-11, SPINE-49	23-5501OB-GYN-3
15-1004NEURO-21	19-8094CVT-11	23-1021CSPINE-11	23-5502OB-GYN-3
15-1005NEURO-19	19-8095CVT-11	23-1035SPINE-21	23-5503OB-GYN-3
15-1006NEURO-19	19-8096CVT-11	23-1036SPINE-21	23-5504OB-GYN-3
15-1007NEURO-19	19-8097CVT-11	23-1037SPINE-21	23-5505OB-GYN-3
15-1008NEURO-19	19-8099CVT-11	23-1041 . . .SPINE-1, SPINE-22	23-5532OB-GYN-2
18-1010SPINE-8	19-8104CVT-19, CVT-95, OBE-8	23-1042 . . .SPINE-1, SPINE-22	23-5533OB-GYN-2
18-1011OBE-1, SPINE-7	19-8145CVT-50, GEN-43	23-1043 . . .SPINE-1, SPINE-22	23-5534OB-GYN-2
18-1013SPINE-1, SPINE-46	19-8146CVT-51, GEN-44, OBE-34	23-1044SPINE-22	23-5535OB-GYN-2
18-1014SPINE-7, SPINE-48	19-8147CVT-51, GEN-44, OBE-34	23-1045SPINE-22	23-5536OB-GYN-2
18-1015SPINE-7, SPINE-48		23-1046SPINE-22	23-5537OB-GYN-2
18-1020OBE-1, SPINE-8, SPINE-48		23-1047SPINE-22	23-5538OB-GYN-2
19-1000CVT-17		23-1048SPINE-22	23-5539OB-GYN-2
19-1003CVT-17			23-5541OB-GYN-3
19-1010NEURO-2			23-5542OB-GYN-3
19-1011NEURO-2			23-5543OB-GYN-3
19-1012NEURO-2			23-5544OB-GYN-3
19-1014CVT-17			23-5545OB-GYN-3
19-1016GEN-2			23-5546OB-GYN-3
			23-5574OB-GYN-2
			23-5599OB-GYN-2
			23-5608OB-GYN-2

NUMERICAL INDEX

23-5670OB-GYN-2	25-8039CVT-40, PED-6	28-1001SPINE-1, SPINE-4	30-1257NEURO-47
23-6535ENT-2	25-8040CVT-40, PED-6	28-1002SPINE-1, SPINE-4	30-1280GEN-58
23-6536ENT-2	25-8041CVT-40, PED-6	28-1003SPINE-40	30-1290NEURO-82, SPINE-75
23-6537ENT-2	25-8042CVT-40, PED-6	28-4008GEN-79	30-1295 . .NEURO-83, OBE-62, SPINE-76
23-6538ENT-2	25-8043CVT-40, PED-6	28-4010GEN-79	30-1296 . .NEURO-83, OBE-62, SPINE-76
23-6539ENT-2	25-8044CVT-40, PED-6	28-4011GEN-79	30-1298 . .NEURO-83, OBE-61, SPINE-76
23-6560ENT-2	26-1000NEURO-19	29-1001NEURO-3	30-1310 . .NEURO-86, PED-47, SPINE-79
23-6561ENT-2	26-1001NEURO-19	29-1002NEURO-3	30-1360 . .GEN-38, NEURO-48, PED-21
23-6562ENT-2	26-1002NEURO-19	29-1003NEURO-3	30-2540 . .GEN-41, NEURO-50
23-6563ENT-2	26-1004NEURO-21	30-1000 . .GEN-30, NEURO-44	30-4008GEN-30, PED-18
23-6564ENT-2	26-1006NEURO-19	30-1010GEN-18	30-4009GEN-30, PED-18
23-6760ENT-1	26-1008NEURO-21	30-1011GEN-18	30-4020GEN-25, PED-16
23-6761ENT-1	26-1041 . .NEURO-20, SPINE-1	30-1115 . .GEN-38, NEURO-48	30-4021GEN-25, PED-16
23-6762ENT-1	26-1045NEURO-19	30-1117NEURO-38	30-4035GEN-19
23-6763ENT-1	26-1046NEURO-19	30-1129GEN-48	30-4038GEN-22
23-6764ENT-1	26-1075NEURO-20	30-1132 . .GEN-52, NEURO-51	30-4039GEN-22
24-1010NEURO-66	26-1080NEURO-18	30-1140 . .GEN-50, NEURO-50	30-4066GEN-28
24-2500SPINE-6	26-1085 . . .NEURO-18, PED-6	30-1142 . .GEN-50, NEURO-50	30-4067GEN-28
25-4000ENT-3, PED-5	26-1086 . . .NEURO-21, PED-6	30-1143 . .GEN-50, NEURO-50	30-4080GEN-17
25-4002ENT-3, PED-5	26-1088NEURO-21	30-1145 . .GEN-50, NEURO-50	30-4081GEN-17
25-4005GEN-7	26-1180NEURO-21	30-1146 . .GEN-50, NEURO-51	30-4088GEN-41
25-5526OB-GYN-4	26-1181NEURO-21	30-1147 . .GEN-50, NEURO-51	30-4095GEN-55
25-5527OB-GYN-4	26-1221NEURO-7	30-1150 . .GEN-12, NEURO-41	30-4105GEN-22, PED-15
25-5528OB-GYN-4	26-1230NEURO-7	30-1151 . .GEN-12, NEURO-41	30-4106GEN-22, PED-15
25-5529OB-GYN-4	26-1246 . .NEURO-1, NEURO-6	30-1152 . .GEN-12, NEURO-41	30-4133GEN-13, PED-10
25-5530OB-GYN-4	26-1247NEURO-10, NEURO-18	30-1154 . .GEN-12, NEURO-41	30-4134GEN-13, PED-10
25-5531OB-GYN-4	26-1265SPINE-1-2	30-1155 . .GEN-12, NEURO-41	30-4135GEN-13
25-5532OB-GYN-4	26-1266SPINE-1-2	30-1156 . .GEN-12, NEURO-41	30-4137GEN-13
25-5533OB-GYN-4	26-1267SPINE-1-2	30-1160ENT-5, GEN-14, NEURO-42	30-4138GEN-13, OBE-26
25-5536OB-GYN-4	26-1268SPINE-1-2	30-1161NEURO-47	30-4139GEN-13, OBE-26
25-5540OB-GYN-3	26-1268SPINE-1-2	30-1165 . .GEN-14, NEURO-42	30-4151GEN-56, PED-27
25-5541OB-GYN-3	26-5000NEURO-4-5, NEURO-10	30-1166 . .GEN-53, NEURO-52	30-4152GEN-56, PED-27
25-5542OB-GYN-3	26-5001 .NEURO-4, NEURO-11	30-1170 . .GEN-56, NEURO-52, PED-27	30-4153GEN-56, PED-27
25-5543OB-GYN-3	26-5002 .NEURO-5, NEURO-11	30-1172 . .GEN-48, NEURO-50	30-4155GEN-56
25-5544OB-GYN-3	26-5003NEURO-4-5, NEURO-9	30-1180 . .GEN-15, NEURO-43	30-4156GEN-56, OBE-38
25-5545OB-GYN-3	26-5004NEURO-4-5, NEURO-10	30-1181 . .GEN-11, NEURO-40	30-4157GEN-56, OBE-38
25-5549OB-GYN-3	26-5006NEURO-9	30-1185 . .GEN-11, NEURO-40, PED-10	30-4161GEN-57, PED-27
25-5550OB-GYN-4	26-5007CVT-78, NEURO-4-6	30-1186GEN-46, PED-24	30-4200GEN-49
25-5551OB-GYN-4	26-5008NEURO-4-5, NEURO-9	30-1187GEN-46, PED-24	30-4201GEN-49
25-5552OB-GYN-4	26-5009NEURO-4	30-1188GEN-46	30-4202GEN-49, OBE-36
25-5553OB-GYN-4	26-5010NEURO-8	30-1189GEN-46, PED-24	30-4208GEN-11, PED-10
25-5554OB-GYN-4	26-5011NEURO-8	30-1190 . .GEN-11, NEURO-40	30-4214 . .GEN-11, NEURO-40, PED-10
25-5555OB-GYN-4	26-5012NEURO-4-5, NEURO-9	30-1191 . .GEN-11, NEURO-40	30-4215GEN-13, PED-10
25-5556OB-GYN-4	26-5015NEURO-4-5	30-1194 . .GEN-10, NEURO-26	30-4216GEN-52, PED-25
25-5557OB-GYN-4	26-5021NEURO-5	30-1201 . .GEN-51, NEURO-51	30-4218GEN-46, PED-24
25-5558OB-GYN-4	26-5022NEURO-5	30-1203 . .GEN-13, NEURO-41, SPINE-1	30-4220GEN-55, PED-26
25-5569ENT-3, PED-5	26-5023NEURO-5	30-1204 . .GEN-30, NEURO-44	30-4221GEN-55
25-8009CVT-39	26-5024NEURO-6	30-1205 . .GEN-14, NEURO-42	30-4222GEN-55, OBE-38
25-8015CVT-40, CVT-57	26-5026 . . .CVT-78, NEURO-8	30-1210 . .GEN-52, NEURO-51	30-4223GEN-54
25-8016CVT-40	26-5030NEURO-4	30-1213 . .GEN-52, NEURO-51	30-4231GEN-54
25-8017CVT-40	26-5040NEURO-5	30-1214 . .GEN-13, NEURO-41	30-4239GEN-49, PED-25
25-8018CVT-40	26-7003CVT-78	30-1216 . .GEN-14, NEURO-42	30-4255GEN-39, PED-22
25-8019CVT-40	26-7004CVT-78	30-1228 . .GEN-36, NEURO-45, SPINE-35	30-4258GEN-39, PED-22
25-8020CVT-40	26-7005CVT-78	30-1230 . .GEN-23, NEURO-27, NEURO-43 PED-7, PED-15	30-4290GEN-29
25-8021CVT-40	26-7006CVT-78-79	30-1240NEURO-47	30-4291GEN-29
25-8022CVT-40	26-7010CVT-78	30-1243NEURO-47	30-4295GEN-17
25-8023CVT-40	28-1000SPINE-40		
25-8024CVT-40			
25-8035CVT-40, CVT-60, PED-6			
25-8036CVT-40, PED-6			
25-8037CVT-40, PED-6			
25-8038CVT-40, PED-6			

NUMERICAL INDEX

30-4297GEN-16	30-5656OB-GYN-10	30-8082CVT-52, GEN-45, OBE-35	32-2004OBE-40, SPINE-37
30-4300CVT-45, GEN-32, OBE-30	30-5666OB-GYN-10	30-8085CVT-53, GEN-45, GEN-57, OBE-35	32-2005OBE-40, SPINE-37
30-4305CVT-44, GEN-31	30-5668OB-GYN-10	30-8090GEN-28, OBE-28	32-2006OBE-40, SPINE-37
30-4306CVT-44, GEN-31	30-5671OB-GYN-9	30-8091GEN-28, OBE-28	32-2010OBE-40, SPINE-37
30-4330ENT-7, GEN-57	30-5675OB-GYN-9	30-8092CVT-42, GEN-27, OBE-28	32-2011OBE-40, SPINE-37
30-4340ENT-4	30-5680OB-GYN-10	30-8093GEN-26, OBE-27	32-2012OBE-40, SPINE-37
30-4462GEN-26, PED-18	30-5695OB-GYN-11	30-8095CVT-47, GEN-37	32-2013OBE-40, SPINE-37
30-4464GEN-18	30-5800OB-GYN-7	30-8112GEN-54	32-2014OBE-40, SPINE-37
30-4465GEN-47	30-5801OB-GYN-6	30-8122GEN-15, OBE-26	32-2015OBE-40, SPINE-37
30-4466GEN-47, PED-25	30-5825OB-GYN-12	30-8123CVT-54, GEN-55, OBE-38	32-2016OBE-40, SPINE-37
30-4467GEN-19, PED-12	30-6520ENT-6, PED-12	30-8131CVT-55, CVT-60, GEN-59, PED-28	32-2540SPINE-37
30-4468GEN-19, PED-12	30-6524ENT-6, PED-12	30-8132CVT-55, CVT-57, GEN-59	32-2541SPINE-37
30-4470GEN-26, PED-17	30-6530ENT-7, GEN-53, PED-26	30-8133CVT-55, GEN-59, OBE-39	32-2542SPINE-37
30-4471GEN-26, PED-17	30-6532ENT-7, GEN-53, PED-26	30-8400CVT-56, GEN-60, PED-28	32-2543SPINE-37
30-4472CVT-60, GEN-26, PED-17	30-6555ENT-6, PED-11	30-8401CVT-56, GEN-60, PED-28	32-2544SPINE-37
30-4473GEN-26, PED-17	30-6556ENT-6, PED-11	30-8402CVT-56, GEN-60	32-2545SPINE-37
30-4474GEN-26, PED-17	30-6557ENT-6, PED-11	30-8403CVT-56, GEN-60	32-2546SPINE-37
30-4485GEN-26, PED-17	30-6585ENT-6, PED-12	30-8404CVT-56, GEN-60, OBE-39	32-2550SPINE-37
30-4490GEN-24, PED-16	30-6695ENT-6, PED-12	30-8405CVT-56, GEN-60, OBE-39	32-2551SPINE-37
30-4491GEN-24, PED-16	30-6712GEN-34, NEURO-45, PED-19	30-8500CVT-16, CVT-54, CVT-64, GEN-59, PED-27	32-2552SPINE-37
30-4492GEN-21	30-6713GEN-34, NEURO-45, PED-19	30-9000CVT-16, CVT-23, CVT-64, CVT-92, PED-2	32-2553SPINE-37
30-4493GEN-37, PED-21	30-6714GEN-34, NEURO-45, PED-19	30-9001CVT-16, CVT-23, CVT-64, CVT-92, PED-2	32-2554SPINE-37
30-4494GEN-37	30-6715GEN-34, NEURO-45, PED-19	30-9002CVT-16, CVT-30, CVT-64, CVT-92, PED-4	32-2555SPINE-37
30-4500GEN-16	30-6717GEN-34	30-9003CVT-16, CVT-30, CVT-64, CVT-92, PED-4	32-2556SPINE-37
30-4501GEN-16	30-6717NEURO-45	30-9004CVT-16, CVT-30, CVT-64, CVT-92, PED-4	32-2660OBE-40, SPINE-36
30-4502GEN-16	30-6898ENT-5, PED-11	30-9005CVT-16, CVT-30, CVT-64, CVT-92, PED-4	32-2661OBE-40, SPINE-36
30-4510GEN-35	30-6951ENT-5, PED-11	30-9006CVT-23, CVT-92, PED-2	32-2662OBE-40, SPINE-36
30-4511GEN-35	30-6995ENT-5, GEN-14, NEURO-42	30-9007CVT-48, GEN-40, PED-23	32-2663OBE-40, SPINE-36
30-4512GEN-35	30-7150ENT-7	30-9008CVT-48, GEN-40, PED-23	32-3300GEN-1
30-4513GEN-35	30-7315ENT-8, GEN-58	30-9009CVT-48, GEN-40, PED-23	32-3301GEN-1
30-4517GEN-15, GEN-56	30-7316ENT-8, GEN-58	30-9010CVT-48, GEN-40, PED-23	32-3302GEN-1
30-4535GEN-53	30-8002CVT-59, GEN-65, PED-31	30-9011CVT-23, CVT-64, PED-2	32-3303GEN-1
30-4542GEN-47	30-8014CVT-42	30-9025CVT-16, CVT-64	32-3305GEN-1
30-4554GEN-58	30-8015CVT-55, GEN-59	31-6501ENT-8, PED-28	32-3306GEN-1
30-4563GEN-26	30-8016CVT-41	31-6502ENT-8, PED-28	32-3310GEN-5
30-4565GEN-26	30-8018CVT-56, GEN-60	32-2000OBE-40, SPINE-37	32-3311GEN-5
30-4573GEN-26, OBE-27	30-8020GEN-15	32-2001OBE-40, SPINE-37	32-3312GEN-61
30-4608GEN-39, PED-22	30-8021GEN-15	32-2002OBE-40, SPINE-37	32-3313GEN-61
30-4652GEN-17	30-8022GEN-15, OBE-26	32-2003OBE-40, SPINE-37	32-3326ENT-1
30-4700CVT-43, GEN-31, OBE-29	30-8023CVT-54, GEN-55		32-3330GEN-63, SPINE-44
30-4701CVT-43, GEN-33, OBE-30	30-8024CVT-54, GEN-55		32-3335GEN-77
30-4856NEURO-27	30-8049CVT-49, GEN-43, OBE-33		32-3336GEN-76
30-5525OB-GYN-7	30-8051CVT-49, GEN-42, OBE-33		32-3337GEN-76
30-5526OB-GYN-7	30-8056CVT-22, CVT-47, CVT-102, GEN-36, OBE-10, OBE-31		32-3339GEN-76
30-5527OB-GYN-7	30-8059CVT-52, GEN-45		32-3340GEN-75
30-5529OB-GYN-7	30-8065CVT-51, GEN-44, OBE-34		32-3341GEN-7, SPINE-26
30-5535OB-GYN-12	30-8070CVT-52, GEN-44		32-3345GEN-79
30-5536OB-GYN-12	30-8072CVT-52, GEN-44		32-3346GEN-79
30-5545OB-GYN-12	30-8073CVT-52, GEN-44		32-3347GEN-79
30-5546OB-GYN-13			32-3348GEN-79
30-5561OB-GYN-13			32-3350GEN-129
30-5570OB-GYN-5			32-3351GEN-129
30-5580OB-GYN-14			32-3352GEN-129
30-5595OB-GYN-15			32-3353GEN-129
30-5604OB-GYN-14			32-3360GEN-148, OBE-71
30-5605OB-GYN-14			32-3361GEN-148, OBE-71
30-5615OB-GYN-15			32-3362GEN-150, OBE-73
30-5640OB-GYN-14			32-3370GEN-6, SPINE-25
30-5655OB-GYN-10			32-3371GEN-6, SPINE-25
			32-3372GEN-6, SPINE-25
			32-3373GEN-6, SPINE-25
			32-3400NEURO-11, SPINE-12
			32-3401NEURO-11, SPINE-12

NUMERICAL INDEX

32-3402 .NEURO-11, SPINE-12	32-3502CVT-18	32-3581CVT-85	32-3658 ...CVT-72, SPINE-72
32-3403NEURO-11	32-3503CVT-5	32-3582CVT-83, OBE-67	32-3659 ...CVT-72, SPINE-72
32-3403SPINE-12	32-3504CVT-6, OBE-5	32-3583CVT-86	32-3660GEN-120
32-3404 .NEURO-11, SPINE-12	32-3505CVT-34	32-3584CVT-86	32-3661GEN-120
32-3405 .NEURO-11, SPINE-12	32-3506CVT-28	32-3585ENT-13, GEN-144	32-3662GEN-120
32-3406 .NEURO-11, SPINE-12	32-3507CVT-34	32-3586ENT-13, GEN-144	32-3664GEN-120
32-3407 .NEURO-11, SPINE-12	32-3508CVT-31	32-3587ENT-13, GEN-144	32-3665GEN-120
32-3408 .NEURO-11, SPINE-12	32-3509CVT-7, OBE-5	32-3588CVT-82, OBE-66	32-3666GEN-120
32-3410 .NEURO-12, SPINE-13	32-3510CVT-1, OBE-2	32-3589CVT-82	32-3667GEN-120
32-3411 .NEURO-12, SPINE-13	32-3511CVT-35	32-3590CVT-82	32-3668SPINE-71
32-3420 .NEURO-25, SPINE-34	32-3512CVT-29, GEN-4	32-3591CVT-82	32-3680CVT-59, GEN-65
32-3422 ...OBE-41, SPINE-38	32-3513CVT-29, GEN-4	32-3592 ...GEN-135, OBE-65	32-3682 ...GEN-74, OBE-43
32-3423 ...OBE-41, SPINE-38	32-3514CVT-29, GEN-4	32-3593 ...GEN-135, OBE-65	32-3683GEN-69
32-3424 ...OBE-41, SPINE-38	32-3515GEN-18	32-3594 ...GEN-137, OBE-65	32-3684GEN-69
32-3425 ...OBE-41, SPINE-38	32-3516GEN-18	32-3595 ...GEN-137, OBE-65	32-3685 ...GEN-66, OBE-41
32-3426 .NEURO-90, SPINE-95	32-3525CVT-45, GEN-33	32-3596 ...GEN-137, OBE-65	32-3686 ...GEN-70, OBE-42
32-3430SPINE-47	32-3526CVT-45, GEN-33	32-3602GEN-124, OB-GYN-17, PED-41	32-3687 ...GEN-67, OBE-42
32-3431SPINE-47	32-3527 ..OBE-32, OB-GYN-11	32-3603GEN-124, OB-GYN-17, PED-41	32-3700ENT-15, NEURO-107
32-3432SPINE-47	32-3528OB-GYN-6	32-3604GEN-124, OB-GYN-17, PED-41	32-3701ENT-15, NEURO-107
32-3433SPINE-47	32-3529OB-GYN-6	32-3605GEN-120	32-3702NEURO-110
32-3434SPINE-47	32-3530 ...GEN-53, NEURO-52	32-3606OB-GYN-17	32-3703NEURO-110
32-3435SPINE-47	32-3531 ...GEN-52, NEURO-52	32-3607OB-GYN-17	32-3704NEURO-110
32-3436SPINE-47	32-3532 ..GEN-52, NEURO-52, OBE-37	32-3608OB-GYN-17	32-3705NEURO-110
32-3437SPINE-47	32-3533GEN-41	32-3609OB-GYN-17	32-3706NEURO-110
32-3438SPINE-47	32-3534GEN-41	32-3610OB-GYN-17	32-3707NEURO-110
32-3439SPINE-47	32-3535CVT-55, GEN-60	32-3611OB-GYN-17	32-3708NEURO-110
32-3445 .NEURO-68, SPINE-50	32-3536CVT-55, GEN-60	32-3612CVT-77	32-3709NEURO-110
32-3450SPINE-100	32-3537CVT-55, GEN-60, OBE-39	32-3613CVT-77	32-3710NEURO-110
32-3451SPINE-100	32-3539 ...GEN-28, OBE-28	32-3614GEN-119	32-3711NEURO-110
32-3452SPINE-100	32-3540 ...GEN-40, OBE-32	32-3615GEN-119	32-3712NEURO-110
32-3453SPINE-100	32-3541 ...GEN-13, OBE-26	32-3616ENT-3	32-3713NEURO-110
32-3454SPINE-100	32-3542 ...GEN-57, OBE-39	32-3617ENT-3	32-3714NEURO-110
32-3455SPINE-100	32-3543 ...GEN-55, OBE-38	32-3618ENT-3	32-3715ENT-15, NEURO-107
32-3456SPINE-100	32-3544 ...GEN-48, OBE-36	32-3628GEN-120	32-3716ENT-15, NEURO-107
32-3470 .NEURO-12, SPINE-13	32-3545 ...GEN-48, OBE-36	32-3629GEN-120	32-3717ENT-15, NEURO-107
32-3471 .NEURO-12, SPINE-13	32-3546 ...GEN-21, OBE-27	32-3630GEN-120	32-3718ENT-15, NEURO-107
32-3473 .NEURO-12, SPINE-13	32-3547CVT-53, GEN-45, OBE-35	32-3631GEN-121	32-3719NEURO-110
32-3474 .NEURO-12, SPINE-13	32-3548GEN-10	32-3633 .GEN-128, NEURO-80, OBE-61	32-3720NEURO-110
32-3475 .NEURO-12, SPINE-13	32-3549CVT-54, GEN-51, OBE-37	32-3634 .GEN-128, NEURO-80, OBE-61	32-3721NEURO-110
32-3476 .NEURO-12, SPINE-13	32-3550CVT-53, GEN-51, OBE-37	32-3635 ...GEN-84, OBE-47	32-3722NEURO-110
32-3477 .NEURO-12, SPINE-13	32-3551CVT-49, GEN-42, OBE-33	32-3640SPINE-71	32-3724 .GEN-147, NEURO-106
32-3478 .NEURO-12, SPINE-13	32-3552CVT-49, GEN-42, OBE-33	32-3641SPINE-71	32-3725 .GEN-147, NEURO-106
32-3479 .NEURO-12, SPINE-13	32-3553 ...GEN-29, OBE-29	32-3642SPINE-71	32-3726 .GEN-147, NEURO-106
32-3480 .NEURO-12, SPINE-13	32-3554 ...GEN-29, OBE-29	32-3643SPINE-71	32-3742 .NEURO-12, SPINE-13
32-3481 .NEURO-12, SPINE-13	32-3555GEN-56	32-3644SPINE-71	32-3900 ...GEN-22, PED-14
32-3484 .NEURO-12, SPINE-13	32-3556GEN-56	32-3645SPINE-71	32-3901 ...GEN-22, PED-14
32-3485 .NEURO-12, SPINE-13	32-3557 ...GEN-56, OBE-38	32-3646SPINE-71	32-4000 ...GEN-22, PED-14
32-3486 .NEURO-12, SPINE-13	32-3558 ..GEN-53, NEURO-52, OBE-38	32-3647SPINE-71	32-4001 ...GEN-22, PED-14
32-3487 .NEURO-12, SPINE-13	32-3559 ..GEN-53, NEURO-52, OBE-38	32-3648SPINE-71	32-4011 ...GEN-27, PED-18
32-3488 .NEURO-12, SPINE-13	32-3576 ...GEN-132, OBE-65	32-3649SPINE-71	32-4020 ...GEN-23, PED-15
32-3489 .NEURO-12, SPINE-13	32-3577GEN-137	32-3650SPINE-71	32-4021 ...GEN-23, PED-15
32-3490 .NEURO-12, SPINE-13	32-3578 ...CVT-82, GEN-133	32-3651SPINE-71	32-4030 ...GEN-20, PED-13
32-3491 .NEURO-12, SPINE-13	32-3579CVT-85	32-3652 ...CVT-72, SPINE-72	32-4031 ...GEN-20, PED-13
32-3492 .NEURO-12, SPINE-13	32-3580CVT-85	32-3653 ...CVT-72, SPINE-72	32-4040GEN-20
32-3493 .NEURO-12, SPINE-13		32-3654 ...CVT-72, SPINE-72	32-4041GEN-20
32-3494 .NEURO-12, SPINE-13		32-3655 ...CVT-72, SPINE-72	32-4043GEN-19
32-3495 .NEURO-12, SPINE-13		32-3656 ...CVT-72, SPINE-72	32-4050GEN-27
32-3496 .NEURO-12, SPINE-13		32-3657 ...CVT-72, SPINE-72	32-4051GEN-27
32-3497 .NEURO-12, SPINE-13			32-4061 ...GEN-29, PED-18
32-3498 .NEURO-12, SPINE-13			32-4070GEN-29
32-3499 .NEURO-12, SPINE-13			32-4071GEN-29
32-3500CVT-1, OBE-2			32-4080GEN-29
32-3501CVT-1, OBE-2			

NUMERICAL INDEX

32-4081GEN-29	34-1020GEN-132, PED-55	36-3000GEN-73, PED-35	36-5071GEN-138, OBE-66
32-4090GEN-29	34-1021GEN-132, PED-55	36-3001GEN-73	36-5080GEN-143, PED-63
32-4091GEN-29	34-1027GEN-132	36-3002GEN-73	36-6000GEN-46, PED-24
32-4100GEN-24, PED-16	34-1076GEN-131, PED-54	36-3003GEN-73	36-6005GEN-50
32-4110GEN-28	34-3900GEN-22, PED-14	36-3004GEN-73	36-6006GEN-50
32-4111GEN-28	34-3901GEN-22, PED-14	36-3005GEN-73, OBE-43	36-6007GEN-50
32-4120GEN-28	34-4000GEN-22, PED-14	36-3007GEN-72	36-6010GEN-49
32-4121GEN-28	34-4001GEN-22, PED-14	36-3008GEN-72	36-6015GEN-55
32-4130GEN-28	34-4013GEN-130	36-3009GEN-72	36-6020GEN-51, OBE-37
32-4131GEN-28	34-4020GEN-23, PED-15	36-3010GEN-70	36-6030GEN-56, PED-27
32-4141GEN-27	34-4021GEN-23, PED-15	36-3011GEN-70	36-6050GEN-48
32-4151GEN-27	34-4030GEN-20, PED-13	36-3012GEN-72	36-6055CVT-47, GEN-37
32-4160GEN-20, GEN-38, PED-13, PED-21	34-4031GEN-20, PED-13	36-3013GEN-72	37-1000CVT-54, GEN-51
32-4160NEURO-47	34-4040GEN-20	36-3014CVT-60, GEN-72	37-1001CVT-54, GEN-51
32-4161GEN-20, GEN-38, PED-13, PED-21	34-4041GEN-20	36-3015GEN-72	37-1002CVT-54, GEN-51, OBE-37
32-4161NEURO-47	34-4071GEN-29	36-3018CVT-57, CVT-58, GEN-65, PED-30	37-1003CVT-54, GEN-51, OBE-37
32-4282 .NEURO-12, SPINE-13	34-4081GEN-29	36-3019CVT-57, CVT-58, GEN-65	37-1010CVT-55, GEN-59
32-4283NEURO-12, SPINE-13	34-4088PED-55	36-3020GEN-73	37-1011CVT-55, GEN-59
32-5000GEN-2	34-4091GEN-29	36-3021GEN-73, OBE-43	37-1012CVT-55, GEN-59, OBE-39
32-5005GEN-2	34-4092GEN-132	36-3022GEN-72, PED-34	37-1013CVT-55, GEN-59, OBE-39
32-5015GEN-2	34-4095GEN-132	36-3023GEN-72, PED-34	37-1015CVT-3, CVT-98
32-5016GEN-2	34-4097GEN-132	36-3042GEN-69	37-1020CVT-3, CVT-100
32-6010GEN-40	34-4098PED-55	36-3043GEN-69	37-1021CVT-4, CVT-101
32-6011GEN-40	34-4110GEN-28	36-4000GEN-71, PED-34	37-1024CVT-5, CVT-101, OBE-4
32-6030GEN-40	34-4120GEN-28	36-4010GEN-68	37-1025CVT-4, CVT-100
32-6031GEN-40	34-4130GEN-28	36-4011GEN-71, OBE-42	37-1026CVT-5, CVT-101, OBE-4
32-7000GEN-46, PED-25	34-4490GEN-132	36-4012GEN-71	37-1030CVT-37, CVT-100
32-7001GEN-46, PED-25	34-6500GEN-139, PED-58	36-4015GEN-74	37-1035CVT-9, CVT-100, OBE-6
32-7010GEN-46	34-6503GEN-139, PED-58	36-4020GEN-74, OBE-44	37-1040CVT-10
32-7020GEN-47	34-6517ENT-11, GEN-141, PED- 61	36-5000GEN-139, PED-58	37-1041CVT-10
32-7025GEN-47	34-7000GEN-46, PED-25	36-5001GEN-139, PED-58	37-1042CVT-10
32-7030GEN-47, OBE-36	34-7001GEN-46, PED-25	36-5005ENT-12, GEN-141, PED-62	37-1043CVT-10
33-3900GEN-22, PED-14	34-7010GEN-46	36-5006ENT-12, GEN-141, PED-62	37-1044CVT-10
33-3901GEN-22, PED-14	34-7020GEN-47	36-5010GEN-137	37-1045CVT-10
33-4000GEN-22, PED-14	34-7025GEN-47	36-5011GEN-137	37-1046CVT-10
33-4001GEN-22, PED-14	34-7030GEN-47, OBE-36	36-5015GEN-137	37-1047CVT-10
33-4020GEN-23, PED-15	36-1000GEN-64, PED-30	36-5016GEN-137	37-1048CVT-12
33-4021GEN-23, PED-15	36-1001GEN-64	36-5017GEN-137	37-1050CVT-11
33-4030GEN-20, PED-13	36-1002GEN-64	36-5020GEN-136, PED-57	37-1051CVT-11
33-4031GEN-20, PED-13	36-1006GEN-64, PED-30	36-5021GEN-136, PED-57	37-1052CVT-11
33-4040GEN-20	36-1007GEN-64	36-5022GEN-136	37-1053CVT-11
33-4041GEN-20	36-1008GEN-64	36-5023GEN-136	37-1054CVT-12
33-4071GEN-29	36-1010GEN-66, PED-32	36-5024GEN-136	37-1055CVT-12
33-4081GEN-29	36-1015GEN-67, PED-33	36-5025GEN-136	37-1056CVT-12
33-4091GEN-29	36-1016GEN-67, PED-33	36-5030GEN-136, PED-57	37-1057CVT-12
33-4110GEN-28	36-2000GEN-66, PED-31	36-5031GEN-136, PED-57	37-1060CVT-12
33-4120GEN-28	36-2001GEN-66	36-5032GEN-136	37-1061CVT-12
33-4130GEN-28	36-2002GEN-66	36-5033GEN-136	37-1062CVT-12
33-5000GEN-2	36-2003GEN-66	36-5034GEN-136	37-1070CVT-10, CVT-96, PED-1
33-5005GEN-2	36-2004GEN-66, OBE-41	36-5035GEN-136	37-1071CVT-10, CVT-96, PED-1
33-5015GEN-2	36-2005GEN-66, OBE-41	36-5040GEN-141, PED-61	37-1072CVT-10, CVT-96, PED-1
33-5016GEN-2	36-2010GEN-64, PED-30	36-5041GEN-141, PED-61	37-1073CVT-10, CVT-96, PED-1
33-6030GEN-40	36-2015GEN-70, PED-33	36-5050GEN-134, PED-56	
33-6031GEN-40	36-2016GEN-70, PED-33	36-5051GEN-134	
33-7000GEN-46, PED-25	36-2017GEN-70	36-5052GEN-134	
33-7001GEN-46, PED-25	36-2018GEN-70	36-5060GEN-134, PED-56	
33-7010GEN-46	36-2019GEN-70, OBE-42	36-5061GEN-134	
33-7020GEN-47	36-2020GEN-70, OBE-42	36-5062GEN-134	
33-7025GEN-47	36-2023GEN-4, GEN-72, PED-5, PED-34	36-5070GEN-138, OBE-66	
33-7030GEN-47, OBE-36	36-2024GEN-71		
	36-2025GEN-73		

NUMERICAL INDEX

37-1074CVT-10, CVT-96, PED-1	37-1210CVT-32, CVT-92	37-4006CVT-25	38-6640ENT-9, NEURO-57
37-1080CVT-26, CVT-100	37-1220CVT-35, CVT-99	37-4007SPINE-11	38-6642ENT-9
37-1081CVT-26, CVT-100	37-1221CVT-35, CVT-99	37-4008CVT-14, OBE-7	38-6645ENT-9
37-1085CVT-25, CVT-99	37-1222CVT-35, CVT-99	37-4009CVT-15	38-6646ENT-9
37-1086CVT-25, CVT-99	37-1225CVT-29, CVT-92	37-4010CVT-2	38-6647ENT-9
37-1090CVT-20, CVT-99	37-1230CVT-32, CVT-94	37-4012CVT-14	38-6648ENT-9
37-1091CVT-20, CVT-99	37-1240CVT-27, CVT-101	37-4013CVT-14, OBE-7	39-1012SPINE-1, SPINE-3, SPINE-36, SPINE-48
37-1095CVT-36, CVT-99	37-1241CVT-27, CVT-101	37-4014CVT-15	39-1013SPINE-5, SPINE-36
37-1096CVT-36, CVT-99, OBE-15	37-1242CVT-27, CVT-101, OBE-12	37-4015CVT-15, PED-2	39-1014SPINE-5, SPINE-36, SPINE-48
37-1097CVT-36, CVT-99	37-1250CVT-25, CVT-93	37-4017CVT-21	39-1015SPINE-36
37-1100CVT-37, CVT-99	37-1251CVT-25, CVT-93	37-4018CVT-21	39-6500ENT-1, PED-1
37-1101CVT-37, CVT-99, OBE-15	37-1260CVT-18, CVT-93	37-4019CVT-16	40-1002GEN-61, NEURO-58
37-1105CVT-8, CVT-100, OBE-6	37-1261CVT-18, CVT-93	37-4020CVT-16	40-1020NEURO-58
37-1110CVT-26, CVT-95	37-1262CVT-18, CVT-93	37-4021CVT-12	40-1021NEURO-58
37-1115CVT-98	37-1263CVT-18, CVT-93	37-4022CVT-13	40-1022NEURO-58
37-1120CVT-7, CVT-96	37-1272CVT-2, CVT-92	37-4023CVT-12	40-6770ENT-9, GEN-61
37-1125CVT-26, CVT-98	37-1273CVT-6, CVT-103	37-4024CVT-10	40-6771ENT-9, GEN-61
37-1130CVT-35, CVT-98, OBE-14	37-1275CVT-37, CVT-100	37-4025CVT-10	40-6772ENT-9, GEN-61
37-1131CVT-35, CVT-98, OBE-14	37-1280CVT-32, CVT-94	37-4026CVT-13	40-6775ENT-10, GEN-61
37-1132CVT-22, CVT-46, CVT-97, OBE-10, OBE-31	37-1281CVT-94	37-4027ENT-12, GEN-144	40-6852ENT-10, GEN-62
37-1140CVT-6, CVT-95	37-1282CVT-33, CVT-94	37-4028CVT-53, GEN-50	40-8025CVT-58
37-1141CVT-6, CVT-95, OBE-5	37-1283CVT-33, CVT-94	37-4029GEN-65, PED-31	43-1030GEN-75, NEURO-66
37-1142CVT-6, CVT-95, OBE-5	37-1290CVT-23, CVT-94	37-4030CVT-83	43-1032GEN-75, NEURO-66
37-1143CVT-6, CVT-96, OBE-5	37-1291CVT-23, CVT-94, PED-3	37-4031ENT-12, GEN-144	43-1033GEN-62
37-1150CVT-19, CVT-97	37-1292CVT-23, CVT-94, PED-3	37-4032ENT-13, GEN-144	43-4020GEN-151
37-1151CVT-19, CVT-97	37-1300CVT-33, CVT-93	37-4032PED-64	43-4021GEN-151
37-1160CVT-25, CVT-97	37-1301CVT-33, CVT-93	37-4033ENT-12, GEN-144, PED-64	43-4022GEN-151
37-1161CVT-25, CVT-97	37-1302CVT-33, CVT-93	37-4034CVT-50, GEN-43	43-4023GEN-151
37-1165CVT-3, CVT-96, OBE-3	37-1305CVT-30, PED-4	37-4035CVT-65, PED-37	43-4024GEN-151
37-1170CVT-24, CVT-97, OBE-11	37-1310CVT-31, CVT-93	37-4036CVT-79	43-4025GEN-151
37-1171CVT-24	37-1311CVT-31, CVT-93	37-4037CVT-20	43-4026GEN-151
37-1172CVT-24, OBE-11	37-1320CVT-23, CVT-97	37-4038CVT-65, GEN-114	43-4027GEN-151
37-1173CVT-24, OBE-11	37-1321CVT-23, CVT-97, PED-3	37-4100GEN-76	45-1010NEURO-64
37-1180CVT-24	37-1322CVT-23, CVT-97, PED-3	37-4101GEN-158	45-1011NEURO-64
37-1181CVT-24	37-1323CVT-38, CVT-102	37-4102GEN-77	45-1012NEURO-64
37-1182CVT-24	37-1324CVT-38, CVT-102	37-4105OBE-57	45-1013NEURO-64
37-1183CVT-24, OBE-11	37-1326CVT-38, CVT-102	37-4106OBE-57	45-1014NEURO-64
37-1190CVT-27, CVT-97	37-1335CVT-8, CVT-60, PED-1	38-1020NEURO-56	45-1015NEURO-64
37-1191CVT-27, CVT-97, OBE-13	37-1400CVT-2, CVT-93, OBE-3	38-1025NEURO-56	45-1016NEURO-64
37-1192CVT-27, CVT-97, OBE-13	37-1401CVT-94, OBE-9	38-1028NEURO-54, PED-28	45-1017NEURO-64
37-1193CVT-27, CVT-98, OBE-13	37-1402CVT-21, CVT-94	38-1030NEURO-55, SPINE-39	45-1022NEURO-64
37-1194CVT-27, CVT-98, OBE-13	37-1501OB-GYN-8	38-1038NEURO-54, SPINE-1, SPINE-38	45-1024NEURO-64
37-1200CVT-38, CVT-102, OBE-16	37-1502OBE-29, OB-GYN-8	38-1040NEURO-54, PED-28	45-1050NEURO-65
37-1201CVT-38, CVT-103, OBE-16	37-1503OBE-29, OB-GYN-8	38-1042NEURO-54, PED-29	45-1052NEURO-64
37-1202CVT-38, CVT-103, OBE-16	37-1520OB-GYN-8	38-1045NEURO-54	45-1055NEURO-65
	37-1521OB-GYN-8	38-1060NEURO-54	45-1060NEURO-65
	37-1522OBE-12, OB-GYN-1	38-1061NEURO-54	45-1061NEURO-65
	37-1523OBE-12, OB-GYN-1	38-1065NEURO-55	45-1062NEURO-65
	37-1600CVT-44, GEN-32	38-1070NEURO-56	45-1063NEURO-65
	37-1601CVT-44, GEN-32	38-1080NEURO-55	45-1065NEURO-64
	37-1700CVT-4, CVT-101	38-1085NEURO-55	45-1068NEURO-65
	37-1701CVT-4, CVT-101, OBE-3	38-1088NEURO-56, OBE-41	45-1085NEURO-64
	37-4004CVT-25	38-2515NEURO-57, PED-29	45-1092NEURO-65
	37-4005CVT-25	38-2520ENT-9, NEURO-57	45-8002CVT-57, CVT-59-60, NEURO-63
		38-6525ENT-8, PED-29	46-1019OBE-45, SPINE-47, SPINE-49
		38-6530ENT-8, PED-29	46-1020SPINE-47, SPINE-49
		38-6531ENT-8, PED-29	46-1021SPINE-47, SPINE-49
		38-6638ENT-9, NEURO-57	46-1022OBE-45, SPINE-47, SPINE-49

NUMERICAL INDEX

46-1023 ...OBE-45, SPINE-47, SPINE-49	46-2609NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3028SPINE-28	46-3123 ...OBE-17, SPINE-14
46-1024 ...OBE-45, SPINE-47, SPINE-49	46-2610NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3030SPINE-97	46-3124 ...OBE-17, SPINE-14
46-1025 ...OBE-45, SPINE-47, SPINE-49	46-2611NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3031SPINE-97	46-3125 ...OBE-17, SPINE-14
46-1026OBE-45, SPINE-47	46-2612NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3032SPINE-97	46-3126 ...OBE-17, SPINE-14
46-1062SPINE-49	46-2613NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3033SPINE-97	46-3127 ...OBE-17, SPINE-14
46-2000OBE-45, SPINE-46	46-2625OBE-20, SPINE-18	46-3034SPINE-97	46-3128 ...OBE-17, SPINE-14
46-2001OBE-45, SPINE-46	46-2626OBE-20, SPINE-18	46-3035SPINE-97	46-3129 ...OBE-17, SPINE-14
46-2002OBE-45, SPINE-46	46-2627OBE-20, SPINE-18	46-3036SPINE-97	46-3130 ...OBE-17, SPINE-14
46-2003OBE-45, SPINE-46	46-2628OBE-20, SPINE-18	46-3037SPINE-97	46-3131 ...OBE-17, SPINE-14
46-2004OBE-45, SPINE-46	46-2629OBE-20, SPINE-18	46-3040SPINE-96	46-3132 ...OBE-17, SPINE-14
46-2005OBE-45, SPINE-46	46-2630OBE-20, SPINE-18	46-3041SPINE-96	46-3133 ...OBE-17, SPINE-14
46-2006OBE-45, SPINE-46	46-2631OBE-20, SPINE-18	46-3042SPINE-96	46-3134 ...OBE-17, SPINE-14
46-2010OBE-45, SPINE-46	46-2632OBE-20, SPINE-18	46-3043SPINE-96	46-3135 ...OBE-17, SPINE-14
46-2011OBE-45, SPINE-46	46-2633OBE-20, SPINE-18	46-3044SPINE-96	46-3136 ...OBE-17, SPINE-14
46-2012OBE-45, SPINE-46	46-2634OBE-20, SPINE-18	46-3045SPINE-96	46-3137 ...OBE-17, SPINE-14
46-2013OBE-45, SPINE-46	46-2635OBE-20, SPINE-18	46-3046SPINE-96	46-3138 ...OBE-17, SPINE-14
46-2014OBE-45, SPINE-46	46-2636OBE-20, SPINE-18	46-3047SPINE-96-99	46-3139 ...OBE-17, SPINE-14
46-2015OBE-45, SPINE-46	46-2637OBE-20, SPINE-18	46-3050SPINE-47	46-3140 ...OBE-17, SPINE-14
46-2016OBE-45, SPINE-46	46-2638OBE-20, SPINE-18	46-3051SPINE-47	46-3141OBE-17, SPINE-14
46-2500SPINE-48	46-2639OBE-20, SPINE-18	46-3052SPINE-47	46-3142OBE-17, SPINE-14
46-2501SPINE-48	46-2640OBE-20, SPINE-18	46-3053SPINE-47	46-3143 ...OBE-17, SPINE-14, SPINE-109
46-2502SPINE-48	46-2641OBE-20, SPINE-18	46-3054SPINE-47	46-3144 ...OBE-17, SPINE-14
46-2503SPINE-48	46-2642OBE-20, SPINE-18	46-3055SPINE-47	46-3145OBE-17, OBE-20, SPINE-14, SPINE-18
46-2504SPINE-48	46-2643OBE-20, SPINE-18	46-3056SPINE-47	46-3146GEN-63, SPINE-45
46-2505SPINE-48	46-2644OBE-20, SPINE-18	46-3060SPINE-47	46-3150SPINE-15
46-2506SPINE-48	46-2645OBE-20, SPINE-18	46-3061SPINE-47	46-3151SPINE-15
46-2510SPINE-48	46-2646 ...NEURO-57, OBE-20, SPINE-18, SPINE-40	46-3062SPINE-47	46-3152SPINE-15
46-2511SPINE-48	46-2647 ...NEURO-57, OBE-20, SPINE-18, SPINE-40	46-3063SPINE-47	46-3153SPINE-15
46-2512SPINE-48	46-2648 ...OBE-20, SPINE-18, SPINE-109	46-3064SPINE-47	46-3154SPINE-15
46-2513SPINE-48	46-3002SPINE-42	46-3065SPINE-47	46-3155SPINE-15
46-2514SPINE-48	46-3003NEURO-125, SPINE-42, SPINE-109	46-3066SPINE-47	46-3156SPINE-15
46-2515SPINE-48	46-3005SPINE-42-45, SPINE-70	46-3070SPINE-10	46-3157SPINE-15
46-2516SPINE-48	46-3006 ...SPINE-27, SPINE-42	46-3071SPINE-10	46-3158SPINE-15
46-2601NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3007SPINE-42-45	46-3072SPINE-10	46-3159SPINE-15
46-2602NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3008 ...SPINE-39, SPINE-41	46-3073SPINE-10	46-3160SPINE-15
46-2603NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3009SPINE-42	46-3074SPINE-10	46-3161SPINE-15
46-2605NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3011SPINE-66	46-3075SPINE-10	46-3162SPINE-15
46-2606NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3012 ...PED-39, SPINE-42, SPINE-51, SPINE-66	46-3076SPINE-10	46-3163SPINE-15
46-2607NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3013 ...PED-40, SPINE-67	46-3080SPINE-10	46-3164SPINE-15
46-2608NEURO-120, SPINE-26, SPINE-45, SPINE-107	46-3014SPINE-67	46-3081SPINE-10	46-3165SPINE-15
	46-3015SPINE-68	46-3082SPINE-10	46-3166SPINE-15
	46-3020SPINE-41-44	46-3083SPINE-10	46-3167SPINE-15
	46-3021SPINE-41-45	46-3084SPINE-10	46-3168SPINE-15
	46-3022SPINE-41-45	46-3085SPINE-10	46-3169SPINE-15
	46-3025SPINE-28	46-3086SPINE-10	46-3170SPINE-15
	46-3026SPINE-28	46-3100SPINE-9	46-3171NEURO-57, SPINE-15, SPINE-40
	46-3027SPINE-28	46-3101SPINE-9	46-3172NEURO-57, SPINE-15, SPINE-40
		46-3102SPINE-9	46-3173 ...SPINE-15, SPINE-109
		46-3103SPINE-9	46-3174 ...OBE-20, SPINE-15, SPINE-18, SPINE-44
		46-3104SPINE-9	46-3175SPINE-15
		46-3105SPINE-9	46-3177 ...GEN-62, SPINE-15, SPINE-44
		46-3106SPINE-9	46-3178 ...GEN-62, SPINE-15, SPINE-44
		46-3107SPINE-9	46-3179 ...GEN-63, SPINE-45
		46-3110SPINE-9	46-3182SPINE-44
		46-3111SPINE-9	
		46-3112SPINE-9	
		46-3113SPINE-9	
		46-3114SPINE-9	
		46-3115SPINE-9	
		46-3116SPINE-9	
		46-3120 ...OBE-17, SPINE-14	
		46-3121 ...OBE-17, SPINE-14	
		46-3122 ...OBE-17, SPINE-14	

NUMERICAL INDEX

46-3183 SPINE-44	46-3410 OBE-21, SPINE-19	50-1052 PED-36, SPINE-1, SPINE-51	50-1220 NEURO-78, PED-43
46-3190 SPINE-55	46-3411 OBE-21, SPINE-19	50-1053 PED-36, SPINE-1, SPINE-51	50-1223CO GEN-128, NEURO-80, PED-47, SPINE-72
46-3191 SPINE-55	46-3412 OBE-21, SPINE-19	50-1060 GEN-109, NEURO-68	50-1224CO GEN-128, NEURO-80, PED-47, SPINE-1, SPINE-72
46-3192 SPINE-55	46-3413 OBE-21, SPINE-19	50-1065 GEN-123, SPINE-61	50-1226 NEURO-79, PED-44
46-3193 SPINE-55	46-3414 OBE-21, SPINE-19	50-1066 GEN-123, OBE-56, SPINE-61	50-1227 NEURO-78, PED-44
46-3194 SPINE-55	46-3415 OBE-21, SPINE-19	50-1067 GEN-123, OBE-56, SPINE-61	50-1236 NEURO-79, PED-44
46-3195 SPINE-55	46-3416 OBE-21, SPINE-19	50-1070 GEN-116	50-1249 SPINE-48, SPINE-65
46-3196 SPINE-55	46-3417 OBE-21, SPINE-19	50-1071 GEN-116	50-1255 SPINE-59
46-3197 SPINE-55	46-3418 OBE-21, SPINE-19	50-1072 GEN-116	50-1270 SPINE-68
46-3199 SPINE-56	46-3419 OBE-21, SPINE-19	50-1073 GEN-116	50-1275 SPINE-70
46-3200 SPINE-56	46-3420 OBE-21, SPINE-19	50-1074 GEN-116	50-1291 PED-40, SPINE-70
46-3201 SPINE-56	46-3421 OBE-21, SPINE-19	50-1075 GEN-116	50-1293 PED-40, SPINE-70
46-3202 SPINE-56	46-3422 OBE-21, SPINE-19	50-1085 SPINE-63	50-1310 PED-40, SPINE-71
46-3203 SPINE-56	46-3425 OBE-25, SPINE-33	50-1086 SPINE-63	50-1315 SPINE-69
46-3204 SPINE-56	46-3426 OBE-25, SPINE-33	50-1105 SPINE-48, SPINE-58	50-1316 SPINE-69
46-3205 SPINE-56	46-3427 OBE-25, SPINE-33	50-1120 SPINE-64	50-1317 SPINE-69
46-3206 SPINE-56	46-3428 OBE-25, SPINE-33	50-1121 SPINE-64	50-1326 SPINE-68
46-3207 SPINE-56	46-3429 OBE-25, SPINE-33	50-1125 SPINE-63	50-1331 OBE-56, SPINE-69
46-3208 SPINE-57	46-3430 OBE-25, SPINE-33	50-1126 SPINE-54, SPINE-63	50-1342 SPINE-48, SPINE-73
46-3209 SPINE-57	46-3431 OBE-25, SPINE-33	50-1130 SPINE-62	50-1343 SPINE-48, SPINE-73
46-3210 SPINE-57	46-4000 SPINE-99	50-1131 SPINE-62	50-1346 SPINE-53
46-3211 SPINE-57	47-1010 SPINE-1, SPINE-3	50-1133 CVT-75, PED-46	50-1356 PED-36, SPINE-52
46-3212 SPINE-57	47-1011 SPINE-1, SPINE-3	50-1160 GEN-121, OBE-55, SPINE-59	50-1362 GEN-112, OBE-46
46-3213 SPINE-57	47-1012 SPINE-1, SPINE-3	50-1161 GEN-121, OBE-55, SPINE-59	50-1362 NEURO-68, SPINE-49-52
46-3215 OBE-19, SPINE-17	47-1013 SPINE-1, SPINE-3	50-1162 GEN-121, OBE-55, SPINE-59	50-1363 NEURO-72
46-3216 OBE-19, SPINE-17	47-5010 OBE-22, SPINE-20	50-1163 GEN-122, OBE-56, SPINE-60	50-1367 SPINE-54
46-3217 OBE-19, SPINE-17	47-5011 OBE-22, SPINE-20	50-1165 GEN-127, OBE-60	50-1380 SPINE-1, SPINE-53
46-3218 OBE-19, SPINE-17	47-5012 OBE-22, SPINE-20	50-1166 NEURO-78	50-1381 SPINE-53
46-3219 OBE-19, SPINE-17	47-5013 OBE-22, SPINE-20	50-1167 GEN-122, NEURO-77-78, SPINE-60	50-1382 SPINE-53
46-3220 OBE-19, SPINE-17	47-5014 OBE-22, SPINE-20	50-1168 GEN-122, NEURO-77, SPINE-60	50-1383 SPINE-53
46-3221 OBE-19, SPINE-17	47-5015 OBE-22, SPINE-20	50-1180 GEN-112, NEURO-70, SPINE-1	50-1384 SPINE-53
46-3222 OBE-18-19, OBE-24, SPINE-16-17, SPINE-32, SPINE-106	47-5016 OBE-22, SPINE-20	50-1181 GEN-112, NEURO-70	50-1385 SPINE-53
46-3225 OBE-18, SPINE-16	47-5017 OBE-22, SPINE-20	50-1182 GEN-112, NEURO-70	50-1386 SPINE-53
46-3226 OBE-18, SPINE-16	47-5018 OBE-22, SPINE-20	50-1186 NEURO-78	50-1387 SPINE-53
46-3227 OBE-18, SPINE-16	47-5019 OBE-22, SPINE-20	50-1190 GEN-123, SPINE-61	50-1388 SPINE-55
46-3228 OBE-18, SPINE-16	47-5020 OBE-22, SPINE-20	50-1191 GEN-123, SPINE-61	50-1389 SPINE-55
46-3229 OBE-18, SPINE-16	47-5021 OBE-22, SPINE-20	50-1192 GEN-123, SPINE-61	50-1390 PED-36, SPINE-1, SPINE-52
46-3230 OBE-18, SPINE-16	47-5022 OBE-22, SPINE-20	50-1194 GEN-119, PED-38	50-1391 PED-36, SPINE-52
46-3231 OBE-18, SPINE-16	47-5023 OBE-22, SPINE-20	50-1195 GEN-119, PED-38	50-1392 PED-36, SPINE-52
46-3232 OBE-18, SPINE-16	47-5030 NEURO-91, SPINE-96	50-1196 GEN-119	50-1393 PED-36, SPINE-52
46-3233 OBE-18, SPINE-16	47-5031 NEURO-91, SPINE-96	50-1197 GEN-119	50-1394 PED-36, SPINE-52
46-3234 OBE-18, SPINE-16	47-5032 NEURO-91, SPINE-96	50-1198 GEN-119	50-1395 PED-36, SPINE-52
46-3235 OBE-18, SPINE-16	47-5033 NEURO-91, SPINE-96	50-1199 GEN-119	50-1396 PED-36, SPINE-52
46-3236 OBE-18, SPINE-16	47-5034 NEURO-91, SPINE-96	50-1200 GEN-119	50-1397 PED-36, SPINE-52
46-3237 OBE-18, SPINE-16	49-4030 GEN-77	50-1201 GEN-119	50-1453 GEN-110, NEURO-69
46-3240 OBE-24, SPINE-32	49-4031 GEN-77	50-1205 GEN-122, SPINE-60	50-1454 GEN-110, NEURO-69
46-3241 OBE-24, SPINE-32	49-4032 GEN-77	50-1206 GEN-122, SPINE-60	50-1460 GEN-110, NEURO-69
46-3242 OBE-24, SPINE-32	49-4033 GEN-77	50-1209 SPINE-49, SPINE-68	50-1465 NEURO-71
46-3243 OBE-24, SPINE-32	49-4035 GEN-77	50-1210 GEN-125, OB-GYN-17	50-1500 NEURO-73
46-3244 OBE-24, SPINE-32	49-4037 GEN-77, OBE-46	50-1211 SPINE-63	50-1507 NEURO-73, NEURO-75
46-3245 OBE-24, SPINE-32	49-6500 GEN-77, PED-36	50-1212 GEN-123, PED-39	50-1508 NEURO-73, NEURO-75
46-3246 OBE-24, SPINE-32	49-6501 GEN-77, PED-36	50-1212 SPINE-61	50-1509 NEURO-73, NEURO-75
46-3400 OBE-21, SPINE-19	49-6502 GEN-77, PED-36		50-1511 NEURO-75
46-3401 OBE-21, SPINE-19	49-6503 GEN-77, PED-36		50-1512 NEURO-73-74
46-3402 OBE-21, SPINE-19	49-6504 GEN-77, PED-36		50-1513 NEURO-73-74
46-3403 OBE-21, SPINE-19	49-6505 GEN-77, PED-36		
46-3404 OBE-21, SPINE-19	49-6526 ENT-1		
46-3405 OBE-21, SPINE-19	50-1020 GEN-129, NEURO-80		
46-3406 OBE-21, SPINE-19	50-1022 GEN-128, NEURO-80		
46-3407 OBE-21, OBE-25, SPINE-19, SPINE-33	50-1022 SPINE-1		
	50-1050 PED-36, SPINE-1, SPINE-51		

NUMERICAL INDEX

50-1514NEURO-73, NEURO-77, NEURO-125	50-4110GEN-86	50-4508BW-17, BW-23, GEN-92	50-4577BW-3, BW-17, BW-21, BW-23, GEN-92-93, GEN-108
50-1515NEURO-75	50-4111GEN-86, OBE-48	50-4509GEN-82, OBE-46	50-4578BW-21, GEN-108
50-1516NEURO-74	50-4112GEN-86, OBE-48	50-4510GEN-83	50-4579BW-11, BW-17, BW-22-23, GEN-92, GEN-101, GEN-109, SPINE-52
50-1520 . . .NEURO-71, OBE-54	50-4115GEN-86	50-4514GEN-83	50-4580BW-11, BW-17, BW-19-20, BW-22-23, GEN-90-92, GEN-101, GEN-109, GEN-111, OBE-51-52, OB-GYN-16, SPINE-52
50-1522NEURO-75	50-4116GEN-86	50-4516GEN-88, OBE-50	50-4581BW-15, BW-17-18, BW-22, BW-24, CVT-63, GEN-92, GEN-102, GEN-107, GEN-109, GEN-111, OB-GYN-16, SPINE-52
50-1523NEURO-76	50-4117GEN-86, OBE-48	50-4521GEN-88, OBE-50	50-4582BW-10, BW-17, BW-22, BW-24, GEN-92, GEN-100, GEN-109, GEN-111, OB-GYN-16, SPINE-52
50-1524NEURO-76	50-4118GEN-86, OBE-48	50-4522GEN-88, OBE-50	50-4583BW-14, BW-17, BW-24, GEN-92, GEN-104
50-1525NEURO-76	50-4120GEN-87	50-4524GEN-89, OBE-51	50-4584BW-13, BW-21, GEN-104, GEN-108
50-1529NEURO-76	50-4121GEN-87	50-4526GEN-89, OBE-50	50-4585BW-6, BW-21, GEN-95, GEN-108
50-1530NEURO-73, NEURO-77	50-4122GEN-87, OBE-49	50-4527GEN-89, OBE-50	50-4586BW-6, BW-21, GEN-95, GEN-108
50-1531NEURO-73, NEURO-77	50-4123CGEN-87, OBE-49	50-4542BW-17, GEN-92	50-4587BW-14, GEN-104
50-1532NEURO-73, NEURO-77	50-4125CGEN-87, OBE-49	50-4546BW-21, GEN-108	50-4588BW-14, GEN-104
50-1533NEURO-73, NEURO-77	50-4130CGEN-87	50-4547BW-22, GEN-111, OB-GYN-16	50-4589BW-11, GEN-101
50-1534NEURO-73, NEURO-77	50-4131GEN-87	50-4552BW-10, BW-17, BW-18-20, BW-24, CVT-63, GEN-90-92, GEN-100, GEN-107, OBE-51-52	50-4590BW-15, BW-22, GEN-105, GEN-111
50-1651NEURO-112, SPINE-104	50-4210GEN-117, OBE-55	50-4553BW-16, GEN-101	50-4590OB-GYN-16
50-1652NEURO-112, SPINE-103-104	50-4212GEN-117, OBE-55	50-4554BW-11, BW-17-20, BW-22-23, CVT-63, GEN-90-92, GEN-101, GEN-107, GEN-109, GEN-111, OBE-51-52, OB-GYN-16, SPINE-52	50-4591BW-8, BW-22, GEN-98, GEN-111, OB-GYN-16
50-1653NEURO-112, SPINE-103-104	50-4220COGEN-118	50-4556BW-12, GEN-103	50-4592BW-8, BW-22, GEN-98, GEN-111, OB-GYN-16
50-1654NEURO-112, SPINE-100, SPINE-104	50-4221COGEN-118	50-4557BW-12, BW-17, BW-19-20, BW-24, GEN-90-92, GEN-103, OBE-51-52	50-4593BW-8, BW-22, GEN-98, GEN-111, OB-GYN-16
50-1655NEURO-112, SPINE-101, SPINE-104	50-4222COGEN-118	50-4558BW-12, GEN-103	50-4594BW-8, BW-22, GEN-98, GEN-111, OB-GYN-16
50-1656NEURO-112, SPINE-102, SPINE-104	50-4223COGEN-118	50-4559BW-13, GEN-104	50-4595BW-12, GEN-102
50-1657NEURO-112, SPINE-102, SPINE-104	50-4225COGEN-118	50-4560BW-13, GEN-104	50-4596BW-7, GEN-97
50-1658NEURO-112, SPINE-102, SPINE-104	50-4226COGEN-118	50-4561BW-4, BW-17, BW-23, GEN-92, GEN-95	50-4597BW-7, GEN-97
50-1659NEURO-112, SPINE-101, SPINE-104	50-4227COGEN-118	50-4562BW-4, BW-17, BW-23, GEN-92, GEN-95	50-4598BW-7, GEN-97
50-1660NEURO-112, SPINE-102, SPINE-104	50-4228COGEN-118	50-4563BW-4, BW-21, GEN-94, GEN-108	50-4599BW-7, GEN-97
50-1661NEURO-112, SPINE-102, SPINE-104	50-4246GEN-115	50-4565BW-4, GEN-94	50-4600BW-18, CVT-63, GEN-107
50-1662NEURO-112, SPINE-102, SPINE-104	50-4253GEN-117	50-4566BW-4, BW-17, BW-23, GEN-92-93	50-4601BW-18, CVT-63, GEN-107
50-1663NEURO-112, SPINE-101, SPINE-104	50-4255GEN-115	50-4567BW-4, BW-17, BW-23, GEN-92, GEN-95	50-4602BW-18, CVT-63, GEN-107
50-1664NEURO-112, NEURO-120, SPINE-103-104	50-4256GEN-115	50-4568BW-4, BW-17, BW-19-20, BW-23	50-4603BW-18, CVT-63, GEN-107
50-1665NEURO-17, SPINE-28, SPINE-100	50-4260GEN-118	50-4568GEN-90-92, GEN-94, OBE-51-52	50-4604BW-18, CVT-63, GEN-107
50-1668SPINE-101	50-4261GEN-118	50-4569BW-4, BW-17, BW-19-20, BW-23, GEN-90-92, GEN-94	
50-1670NEURO-112, SPINE-104	50-4265CVT-60, GEN-113	50-4569OBE-51-52	
50-2558C . . .GEN-115, SPINE-58	50-4265PED-37	50-4570BW-4, BW-17, BW-23, GEN-92, GEN-94	
50-2608 . . .GEN-117, NEURO-72	50-4290GEN-115	50-4571BW-4, BW-17, BW-23, GEN-92, GEN-94	
50-4040CGEN-127	50-4291GEN-115	50-4572BW-4, GEN-94	
50-4071 . . .GEN-113, SPINE-1, SPINE-58	50-4297GEN-127	50-4574BW-4, BW-21, GEN-94, GEN-108	
50-4090GEN-117	50-4303GEN-85, OBE-47	50-4575BW-4, BW-21, GEN-94, GEN-108	
50-4091GEN-117	50-4304GEN-85, OBE-47	50-4576BW-3, BW-17, BW-23, GEN-92-93	
50-4095GEN-114	50-4306GEN-85, OBE-47		
50-4100GEN-113, PED-37	50-4307GEN-85, OBE-47		
50-4105GEN-114, PED-38	50-4308GEN-85, OBE-47		
	50-4309GEN-85, OBE-47		
	50-4316GEN-84, OBE-47		
	50-4317GEN-84, OBE-47		
	50-4319GEN-84, OBE-47		
	50-4320GEN-84, OBE-47		
	50-4321GEN-84, OBE-47		
	50-4350GEN-126, PED-45		
	50-4351GEN-126, PED-45		
	50-4400GEN-86		
	50-4410GEN-127		
	50-4485GEN-116		
	50-4500GEN-84		
	50-4501GEN-81		
	50-4502GEN-81		
	50-4503GEN-82		
	50-4504GEN-89		
	50-4505GEN-89		
	50-4506GEN-89		
	50-4507BW-17, BW-24, GEN-92		

NUMERICAL INDEX

50-4631BW-22, GEN-109, SPINE-52	50-4684BW-14, GEN-105	50-8073CVT-65, GEN-116	53-1084 . .OBE-63, NEURO-84, SPINE-77
50-4634BW-12, GEN-103	50-4689BW-13, GEN-103, OB-GYN-1	50-8078CVT-65, GEN-116	53-1085 . .OBE-63, NEURO-84, SPINE-77
50-4635BW-12, BW-15, BW-22, GEN-103, GEN-105, GEN-109, SPINE-52	50-4690BW-13, GEN-103, OB-GYN-1	50-8079CVT-65, GEN-116	53-1095 .NEURO-84, SPINE-77
50-4636BW-15, BW-22, GEN-105, GEN-109, SPINE-52	50-4691BW-7, GEN-97	50-8080CVT-74	53-1100 .NEURO-81, SPINE-74
50-4637BW-15, BW-22, GEN-105, GEN-109, SPINE-52	50-4694BW-7, GEN-96	50-8081CVT-74	53-1102 .NEURO-85, SPINE-78
50-4638BW-15, BW-22, GEN-105, GEN-109, SPINE-52	50-5540OB-GYN-18	50-8085CVT-76	53-1108 .NEURO-86, SPINE-78
50-4639BW-10, BW-22, GEN-100, GEN-109, SPINE-52	50-5541OB-GYN-18	50-8090CVT-75	53-1118 . .OBE-62, NEURO-84, SPINE-77
50-4640BW-10, BW-22, GEN-100, GEN-109, SPINE-52	50-5542OB-GYN-18	50-8095CVT-71, GEN-126, PED-44	53-1125 .NEURO-81, SPINE-74
50-4641BW-5, BW-22, GEN-94, GEN-109, SPINE-52	50-5565OB-GYN-18	50-8096CVT-71, GEN-126, PED-44	53-1126 .NEURO-81, SPINE-74
50-4642BW-5, BW-22, GEN-94, GEN-109, SPINE-52	50-5566OB-GYN-18	50-8100GEN-85, OBE-48	53-1127 .NEURO-81, SPINE-74
50-4643BW-5, BW-22, GEN-94, GEN-109, SPINE-52	50-5567OB-GYN-18	50-8102GEN-85, OBE-48	53-1128 .NEURO-81, SPINE-74
50-4644BW-11, BW-22, GEN-95, GEN-109, SPINE-52	50-5570 . .OBE-60, OB-GYN-18	50-8133CVT-68, PED-41	53-1130 .NEURO-84, SPINE-77
50-4645BW-11, BW-22, GEN-95, GEN-109, SPINE-52	50-5575GEN-124, OBE-57, OB-GYN-16	50-8152CVT-66, GEN-124, OBE-56	53-1131 .NEURO-84, SPINE-77
50-4646BW-11, BW-22, GEN-95, GEN-109, SPINE-52	50-5608GEN-113	50-8153CVT-66, GEN-124, OBE-56	53-1133 . .NEURO-84, OBE-62, SPINE-77
50-4647BW-22, BW-25, GEN-99, GEN-109, SPINE-52	50-5625CVT-69, PED-42	50-8160CVT-66	53-1157SPINE-93
50-4648BW-3, GEN-106	50-5629GEN-85	50-8161CVT-66	53-1158SPINE-93
50-4649BW-3, GEN-106	50-5630GEN-85	51-1010 . .SPINE-40, SPINE-48	53-1159SPINE-83
50-4650BW-6, GEN-96	50-5631GEN-85	51-1011CSPINE-48–51	53-1160SPINE-83
50-4651BW-6, GEN-96	50-5637GEN-117	51-1065PED-53, SPINE-93	53-1161SPINE-83
50-4652BW-6, GEN-96	50-5638GEN-117	51-1066SPINE-93	53-1162SPINE-83
50-4653BW-6, GEN-96	50-5639GEN-117	51-1085SPINE-89–90	53-1163SPINE-83
50-4654BW-6, GEN-96	50-5645GEN-114, PED-38	51-1086SPINE-89–90	53-1164SPINE-83
50-4655BW-6, GEN-96	50-5646GEN-119, PED-38	51-1087SPINE-1, SPINE-89–90	53-1165SPINE-83
50-4656BW-6, GEN-96	50-5647CVT-60, GEN-119, PED-38	51-1088SPINE-89–90	53-1166SPINE-83
50-4657BW-6, GEN-96	50-5651GEN-84	51-5510OB-GYN-13	53-1167SPINE-83
50-4658BW-6, GEN-96	50-5668GEN-125	51-5515OB-GYN-13	53-1171SPINE-1, SPINE-82
50-4659BW-6, GEN-96	50-5669GEN-125	51-8000CVT-60, GEN-78	53-1190PED-50, SPINE-86
50-4660BW-6, GEN-96	50-5671GEN-125, OBE-57	51-8006CVT-61, GEN-78	53-1191PED-50, SPINE-86
50-4661BW-6, GEN-96	50-6536ENT-10	52-1005ENT-10, NEURO-68, SPINE-50	53-1192PED-50, SPINE-86
50-4662BW-6, GEN-96	50-8005CVT-62	52-8000CVT-61, NEURO-67, SPINE-50	53-1195SPINE-82
50-4663BW-6, GEN-96	50-8006CVT-62	52-8001CVT-61, NEURO-67, SPINE-50	53-1196SPINE-82
50-4664BW-6, GEN-96	50-8007CVT-62	53-1010 .NEURO-87, SPINE-79	53-1197SPINE-82
50-4665BW-6, GEN-96	50-8011CVT-62	53-1011 .NEURO-87, SPINE-79	53-1200SPINE-84
50-4666BW-6, GEN-96	50-8012CVT-62	53-1015 .NEURO-87, SPINE-79	53-1201SPINE-84
50-4667BW-6, GEN-96	50-8015CVT-67	53-1016 .NEURO-87, SPINE-79	53-1202SPINE-84
50-4669BW-7, GEN-97	50-8016CVT-66	53-1030NEURO-86, NEURO-89	53-1210SPINE-88
50-4670BW-7, GEN-97	50-8022CVT-69, PED-42	53-1035NEURO-85, NEURO-89, SPINE-78	53-1211SPINE-88
50-4671BW-7, GEN-97	50-8023CVT-69	53-1040NEURO-85, NEURO-89, SPINE-78	53-1212SPINE-88
50-4672BW-7, GEN-96	50-8024CVT-69	53-1045 .NEURO-82, SPINE-75	53-1213SPINE-88
50-4673BW-7, GEN-96	50-8028CVT-70, PED-43	53-1046 .NEURO-82, SPINE-75	53-1215SPINE-84
50-4674BW-7, GEN-96	50-8031CVT-67, OBE-58	53-1055NEURO-90	53-1236SPINE-84
50-4675BW-9, GEN-100	50-8033CVT-68, OBE-59	53-1060 .NEURO-82, SPINE-75	53-1237SPINE-84
50-4677BW-9, GEN-96, GEN-99	50-8040CVT-70, OBE-59	53-1061 .NEURO-82, SPINE-75	53-1240SPINE-88
50-4678BW-10, GEN-101	50-8050CVT-38	53-1066 . .OBE-61, NEURO-82, SPINE-75	53-1241SPINE-88
50-4680BW-16	50-8055CVT-39	53-1067 . .OBE-61, NEURO-82, SPINE-75	53-1242SPINE-88
50-4681BW-15, GEN-102	50-8057CVT-69, PED-43	53-1080 .NEURO-84, SPINE-77	53-1250SPINE-83
50-4683BW-15	50-8060CVT-16, CVT-64, CVT-73, PED-46	53-1081 .NEURO-84, SPINE-77	53-1251SPINE-83
	50-8061CVT-16, CVT-64, CVT-73, PED-46	53-1083 . .OBE-63, NEURO-84, SPINE-77	53-1252SPINE-83
	50-8064CVT-71		53-1255PED-49, SPINE-86
	50-8065CVT-71		53-1258SPINE-87
	50-8066CVT-76		53-1262SPINE-85
	50-8067CVT-76		
	50-8068CVT-72, PED-45		
	50-8069CVT-73, OBE-60		
	50-8070CVT-73, OBE-60		
	50-8071CVT-65, GEN-116		
	50-8072CVT-65, GEN-116		

NUMERICAL INDEX

53-1280PED-51, SPINE-88	53-1502 .NEURO-88, SPINE-80	53-1554CDNEURO-87, SPINE-73	54-1081ENT-13, GEN-145
53-1281PED-51, SPINE-88	53-1503 .NEURO-88, SPINE-80	53-1555CDNEURO-87, SPINE-73	54-1091 . . .NEURO-95, PED-54
53-1282PED-51, SPINE-88	53-1504 .NEURO-88, SPINE-80	53-1556CDNEURO-87, SPINE-73	54-2505GEN-135
53-1290PED-48, SPINE-82	53-1505 .NEURO-88, SPINE-80	53-1557CDNEURO-87, SPINE-73	54-2515GEN-131, PED-55
53-1291PED-48, SPINE-82	53-1506 .NEURO-88, SPINE-80	53-1558CDNEURO-87, SPINE-73	54-2520GEN-131, PED-55
53-1292PED-48, SPINE-82	53-1507 .NEURO-88, SPINE-80	53-1559CDNEURO-87, SPINE-73	54-2550GEN-142, PED-62
53-1295PED-49, SPINE-84	53-1508 .NEURO-88, SPINE-80	53-1560CDNEURO-87, SPINE-73	54-2555CVT-83, GEN-142, PED-62
53-1296PED-49, SPINE-84	53-1509 .NEURO-88, SPINE-80	53-1561CDNEURO-87, SPINE-73	54-4012GEN-130
53-1297SPINE-84	53-1510 .NEURO-88, SPINE-80	53-1562CDNEURO-87, SPINE-73	54-4013GEN-130
53-1300PED-51, SPINE-88	53-1511 .NEURO-88, SPINE-80	53-1563CDNEURO-87, SPINE-73	54-4017GEN-141, PED-62
53-1310 .NEURO-83, SPINE-76	53-1512 .NEURO-88, SPINE-80	53-1612LDSPINE-94	54-4026GEN-140, PED-61
53-1311 .NEURO-83, SPINE-76	53-1513 .NEURO-88, SPINE-80	53-1615LEDSPINE-94	54-4027GEN-140, PED-61
53-1312 .NEURO-83, SPINE-76	53-1514 .NEURO-88, SPINE-80	53-1618LEDSPINE-94	54-4028GEN-140, PED-61
53-1313 .NEURO-83, SPINE-76	53-1515 .NEURO-88, SPINE-80	53-1621LEDSPINE-94	54-4029GEN-140, PED-61
53-1325PED-50, SPINE-87	53-1516 .NEURO-88, SPINE-80	53-1624LDSPINE-94	54-4030GEN-140, PED-61
53-1326PED-50, SPINE-87	53-1517 .NEURO-88, SPINE-80	53-1627LEDSPINE-94	54-4032GEN-140, PED-61
53-1370PED-52, SPINE-90	53-1518 .NEURO-88, SPINE-80	53-1630LEDSPINE-94	54-4034GEN-140
53-1371PED-52, SPINE-90	53-1519 .NEURO-88, SPINE-80	53-1633LEDSPINE-94	54-4035GEN-140
53-1372SPINE-90	53-1520 .NEURO-88, SPINE-80	53-1636LEDSPINE-94	54-4066GEN-139, PED-60
53-1373SPINE-90	53-1521 .NEURO-88, SPINE-80	53-1642LDSPINE-94	54-4075GEN-135
53-1374PED-52, SPINE-90	53-1522 .NEURO-88, SPINE-80	53-1645LEDSPINE-94	54-4076GEN-135
53-1375PED-52, SPINE-90	53-1523 .NEURO-88, SPINE-80	53-1648LEDSPINE-94	54-4080GEN-129
53-1376SPINE-90	53-1524 .NEURO-88, SPINE-80	53-1651LEDSPINE-94	54-4085GEN-130
53-1377SPINE-90	53-1525 .NEURO-88, SPINE-80	53-1654LEDSPINE-94	54-4088GEN-134
53-1380PED-52, SPINE-92	53-1526 .NEURO-88, SPINE-80	53-1660SPINE-94	54-4090GEN-135
53-1381PED-52, SPINE-92	53-1527 .NEURO-88, SPINE-80	53-4000NEURO-90	54-4092GEN-134
53-1382PED-52, SPINE-92	53-1528 .NEURO-88, SPINE-80	53-4002NEURO-90	54-4095GEN-135
53-1383PED-52, SPINE-92	53-1529 .NEURO-88, SPINE-80	53-4005NEURO-39, PED-9	54-4097GEN-134
53-1385SPINE-89	53-1530 .NEURO-88, SPINE-80	53-4006NEURO-39, PED-9	54-4098GEN-135, PED-56
53-1386SPINE-89	53-1531 .NEURO-88, SPINE-80	53-4007NEURO-39, PED-9	54-4099GEN-135, PED-56
53-1387SPINE-89	53-1532 .NEURO-88, SPINE-80	53-4008NEURO-39, PED-9	54-4105GEN-142
53-1388SPINE-89	53-1533 .NEURO-88, SPINE-80	53-4009NEURO-39	54-4110GEN-143, PED-63
53-1402SPINE-91	53-1534 .NEURO-88, SPINE-80	53-4010NEURO-39	54-4151CVT-82, GEN-133
53-1403SPINE-91	53-1535 .NEURO-88, SPINE-80	54-1005NEURO-100	54-4192GEN-130
53-1404SPINE-91	53-1540CDNEURO-87, SPINE-73	54-1006NEURO-100	54-4205GEN-142, PED-63
53-1405SPINE-91	53-1541CDNEURO-87, SPINE-73	54-1010GEN-140, NEURO-100, PED-59-60	54-4210GEN-143, PED-63
53-1406SPINE-91	53-1542CDNEURO-87, SPINE-73	54-1015NEURO-100, SPINE-1	54-4300GEN-139, PED-60
53-1407SPINE-91	53-1543CDNEURO-87, SPINE-73	54-1020GEN-138	54-4301GEN-139, PED-60
53-1408SPINE-91	53-1544CDNEURO-87, SPINE-73	54-1021GEN-138	54-4306GEN-140, PED-60
53-1409SPINE-91	53-1545CDNEURO-87, SPINE-73	54-1023GEN-138, PED-57	54-5500OB-GYN-19
53-1410SPINE-91	53-1546CDNEURO-87, SPINE-73	54-1026GEN-138	54-5503OB-GYN-19
53-1411SPINE-91	53-1547CDNEURO-87, SPINE-73	54-1027GEN-138	54-5526OB-GYN-19
53-1412SPINE-91	53-1548CDNEURO-87, SPINE-73	54-1030GEN-138	54-5535GEN-135
53-1413SPINE-91	53-1549CDNEURO-87, SPINE-73	54-1034GEN-138	54-5545OB-GYN-20
53-1414SPINE-91	53-1550CDNEURO-87, SPINE-73	54-1037GEN-138, OBE-66	54-5566GEN-132, PED-56
53-1415SPINE-91	53-1551CDNEURO-87, SPINE-73	54-1041NEURO-100	54-5567GEN-131, PED-55
53-1416SPINE-91	53-1552CDNEURO-87, SPINE-73	54-1046NEURO-100	54-5571GEN-131, PED-54
53-1417SPINE-91	53-1553CDNEURO-87, SPINE-73	54-1050 .NEURO-101, PED-60	54-5573GEN-131
53-1418SPINE-91		54-1055NEURO-95	54-5578OB-GYN-20
53-1419SPINE-91		54-1075GEN-132, PED-55	54-5579OB-GYN-19
53-1420SPINE-91		54-1076GEN-132, PED-55	54-5604 . . .PED-53, NEURO-94
53-1421SPINE-91			54-5605 . . .PED-53, NEURO-94
53-1422SPINE-91			54-5606 . . .PED-53, NEURO-94
53-1423SPINE-91			54-5607NEURO-94
53-1424SPINE-91			54-5608NEURO-94
53-1425SPINE-91			54-5609NEURO-94
53-1426OBE-64, SPINE-91			54-6500GEN-139, PED-58
53-1427OBE-64, SPINE-91			54-6503GEN-139, PED-58
53-1428OBE-64, SPINE-91			54-6513ENT-13, GEN-145, PED-64
53-1429OBE-64, SPINE-91			54-6515ENT-12, GEN-141, PED-62
53-1500CNEURO-88, SPINE-80			
53-1501 .NEURO-88, SPINE-80			

NUMERICAL INDEX

54-6517ENT-12, GEN-141, PED-62	56-8056CVT-87, OBE-68	65-1019 . . .GEN-9, NEURO-15, OBE-23, SPINE-27	65-2547SPINE-29
54-6520ENT-13, GEN-145, PED-64	57-6546ENT-14	65-1030 .NEURO-22, SPINE-29	65-2549 . . .NEURO-22, PED-6, SPINE-29
54-6521ENT-13, GEN-145, PED-64	58-5669 . .OBE-69, OB-GYN-21	65-1031 .NEURO-22, SPINE-29	65-6562ENT-4
54-6522ENT-13, GEN-145, PED-64	59-1000NEURO-26, NEURO-102, OBE-25, OBE-69, SPINE-34	65-1032 .NEURO-22, SPINE-29	65-6600ENT-4
54-6523ENT-13, GEN-145, PED-64	59-1070NEURO-102	65-1033 .NEURO-22, SPINE-29	65-6620ENT-4, GEN-10
54-6524ENT-11, GEN-139, PED-58	59-1071NEURO-102	65-1038 . . .GEN-8, NEURO-15, SPINE-27	65-8005 . . .CVT-61, NEURO-67, SPINE-49
54-6525ENT-11, GEN-139, PED-58	59-1080NEURO-102	65-1045 .NEURO-24, SPINE-31	66-1025NEURO-4
54-6526ENT-11, GEN-139, PED-58	59-1081NEURO-102	65-1047 .NEURO-23, SPINE-30	66-1026NEURO-4
54-6527ENT-11, GEN-139, PED-58	59-1082NEURO-102	65-1048 .NEURO-23, SPINE-30	66-1027NEURO-4
54-6571ENT-11, PED-54	59-1083NEURO-102	65-1050 .NEURO-23, SPINE-30	66-1028NEURO-4
54-6572ENT-11, PED-54	59-1084NEURO-102	65-1051 .NEURO-23, SPINE-30	67-7001OBE-1, SPINE-8
54-6624GEN-142, PED-63	59-1085NEURO-102	65-1056 . .NEURO-22, SPINE-1, SPINE-29, SPINE-49	67-7003OBE-1, SPINE-8
54-6630ENT-12, GEN-143, PED-63	59-1086NEURO-102	65-1057 . .NEURO-22, SPINE-1, SPINE-29, SPINE-49	67-7018OBE-1, SPINE-8
54-6666ENT-11	59-1087NEURO-102	65-1058 . .NEURO-22, SPINE-1, SPINE-29, SPINE-49	67-7174OBE-22, SPINE-21
54-8001CVT-86	60-1000NEURO-103	65-1059 .NEURO-22, SPINE-29, SPINE-49	67-7175OBE-22, SPINE-21
54-8002CVT-86	60-1001NEURO-103	65-1064SPINE-1, SPINE-5	67-7176OBE-22, SPINE-21
54-8003CVT-86	60-1002NEURO-103	65-1075 .NEURO-23, SPINE-30	67-7177OBE-22, SPINE-21
54-8004CVT-86, PED-65	60-1003NEURO-103	65-1076 .NEURO-23, SPINE-30	67-7178OBE-22, SPINE-21
54-8005CVT-84	60-1010NEURO-102	65-1080 .NEURO-24, SPINE-31	67-7179OBE-22, SPINE-21
54-8006CVT-84	60-1011NEURO-102	65-1092 .NEURO-23, SPINE-30	67-7267OBE-64, SPINE-91
54-8008CVT-60, CVT-85, PED-65	61-1004SPINE-1, SPINE-5, SPINE-99	65-1094 .NEURO-24, SPINE-31	67-7270OBE-64, SPINE-91
54-8010CVT-80	61-1005SPINE-5, SPINE-99	65-1100NEURO-101	67-7273OBE-64, SPINE-91
54-8011CVT-81	61-1025SPINE-48, SPINE-97	65-1101NEURO-101	67-7276OBE-64, SPINE-91
54-8012CVT-83	61-1026SPINE-48, SPINE-97	65-1102NEURO-101	67-7282OBE-64, SPINE-91
54-8014CVT-81	61-2515OBE-70, SPINE-98	65-1104NEURO-101	67-7285OBE-64, SPINE-91
54-8015CVT-81	61-2516OBE-70, SPINE-98	65-1108NEURO-101	67-7288OBE-64, SPINE-91
54-8016CVT-80	61-2525OBE-71, SPINE-98	65-1110 .NEURO-25, SPINE-33	67-7319OBE-63, SPINE-85
54-8017CVT-57, CVT-80	61-5505GEN-37	65-1115 .NEURO-25, SPINE-33	67-7320OBE-63, SPINE-85
54-8018CVT-57, CVT-80	63-4031GEN-147, GEN-158	65-1116 .NEURO-25, SPINE-33	67-7321OBE-63, SPINE-88
54-8019CVT-57, CVT-80	63-8011CVT-40	65-1121 . .NEURO-22, SPINE-1, SPINE-30, SPINE-49	67-7322OBE-63, SPINE-88
54-8020CVT-57, CVT-79	63-8012CVT-40	65-1135NEURO-102, SPINE-34	67-7324OBE-63, SPINE-81
54-8021CVT-57, CVT-80	63-8013CVT-40	65-2402GEN-8, NEURO-14	67-7325OBE-64, SPINE-92
54-8022CVT-84, OBE-67	63-8025CVT-88	65-2403GEN-8, NEURO-14	67-7326OBE-64, SPINE-92
54-8023CVT-84, OBE-67	64-1000GEN-63, NEURO-61	65-2404GEN-8, NEURO-14	67-7327OBE-64, SPINE-92
54-8024CVT-84, GEN-145	64-2503GEN-70	65-2405GEN-8, NEURO-14	67-7328OBE-64, SPINE-92
54-8025CVT-82, GEN-138	64-2509GEN-66, PED-31	65-2406GEN-8, NEURO-14, OBE-23	67-7329OBE-64, SPINE-92
54-8026CVT-82, GEN-138	64-2510GEN-64, PED-30	65-2407GEN-15, OBE-26	67-7330OBE-64, SPINE-92
54-8035CVT-85	64-2511GEN-64, PED-30	65-2413GEN-54, PED-26	67-7331OBE-64, SPINE-92
54-8036CVT-85	64-2512GEN-70, PED-33	65-2414GEN-69	67-7332OBE-64, SPINE-92
54-8037CVT-85	64-2513GEN-70	65-2415GEN-39, OBE-32	67-7333OBE-64, SPINE-92
56-1005SPINE-1, SPINE-3	64-2570GEN-67, PED-32	65-2416GEN-133	67-7334OBE-64, SPINE-92
56-1006SPINE-1, SPINE-3	64-2595GEN-68	65-2417GEN-133	67-7335OBE-64, SPINE-92
56-1007SPINE-1, SPINE-3	64-6502ENT-10, GEN-64, PED-29	65-2418GEN-25, PED-17	67-7336OBE-64, SPINE-92
56-1008SPINE-1, SPINE-3	64-6558GEN-67, PED-33	65-2419GEN-25, PED-17	67-7337OBE-64, SPINE-92
56-2507GEN-6, SPINE-24	65-1001 .NEURO-24, SPINE-31	65-2420GEN-54, PED-26	67-7338OBE-64, SPINE-92
56-2510GEN-6, SPINE-24	65-1002 .NEURO-24, SPINE-31	65-2423NEURO-25	67-7339OBE-64, SPINE-92
56-8040 . . .CVT-77, NEURO-91, OBE-65, SPINE-95	65-1003 .NEURO-24, SPINE-31	65-2510 .NEURO-24, SPINE-33	67-7340OBE-64, SPINE-92
56-8043CVT-87, OBE-68	65-1005 .NEURO-26, SPINE-34	65-2511 .NEURO-24, SPINE-33	67-7341OBE-64, SPINE-92
56-8044CVT-88, OBE-69	65-1006 .NEURO-26, SPINE-34	65-2512 .NEURO-24, SPINE-33	67-7342OBE-64, SPINE-92
56-8051CVT-87, OBE-69	65-1008 .NEURO-26, SPINE-34	65-2513 .NEURO-24, SPINE-33	67-7343OBE-64, SPINE-92
56-8055CVT-87, OBE-68	65-1015 . . .GEN-9, NEURO-15, SPINE-27	65-2514NEURO-24, SPINE-33	67-7344OBE-64, SPINE-92
	65-1016 . . .GEN-9, NEURO-15, SPINE-27	65-2545SPINE-29	67-7345OBE-64, SPINE-92
	65-1017 . . .GEN-9, NEURO-15, SPINE-27	65-2546SPINE-29	67-7346OBE-64, SPINE-92
	65-1018 . . .GEN-9, NEURO-15, SPINE-27		67-7347OBE-64, SPINE-92

NUMERICAL INDEX

67-7586GEN-49, OBE-36	68-1461LAP-5	75-1003NEURO-92	80-1333NEURO-13,
67-7587GEN-49, OBE-36	68-1462LAP-5	75-1004NEURO-92	NEURO-113
67-7675GEN-148, OBE-71	68-1555LAP-6	75-1012NEURO-93	80-1334NEURO-13,
67-7677CVT-89, GEN-149,	68-1556LAP-6	75-1013NEURO-93	NEURO-113
OBE-72	68-1557LAP-6	75-1018NEURO-93	80-1335NEURO-13,
67-7800CVT-41, GEN-59,	68-1558LAP-6	75-1019NEURO-93	NEURO-113
OBE-25	68-1563LAP-6	75-1020NEURO-93	80-1336NEURO-103,
67-7801CVT-41, GEN-59,	68-1564LAP-6	76-4025GEN-146, OBE-67	NEURO-116
OBE-25	68-1565LAP-6	76-4026GEN-146, OBE-67	80-1337NEURO-115
67-7802CVT-41, GEN-59,	68-1580LAP-7	76-4027GEN-146, OBE-67	80-1340NEURO-67,
OBE-25	68-1581LAP-7	79-5505OB-GYN-21	NEURO-117
67-7803CVT-41, GEN-59,	68-1582LAP-7	79-5506OB-GYN-21	80-1341NEURO-67,
OBE-25	68-1583LAP-7	79-5508OBE-70, OB-GYN-22	NEURO-117
67-7850NEURO-108	68-1598LAP-7	79-5509OBE-70, OB-GYN-22	80-1342NEURO-67,
67-7851NEURO-108	68-1599LAP-7	79-5510OBE-70, OB-GYN-22	NEURO-117
67-7852NEURO-108	70-1005NEURO-107, PED-67	79-5513OB-GYN-23	80-1343NEURO-67,
67-7853NEURO-108	70-1006NEURO-107, PED-67	79-5514OB-GYN-23	NEURO-117
67-7854NEURO-108	70-1007NEURO-107	79-5515OB-GYN-23	80-1344NEURO-67,
67-7855NEURO-108	70-1015NEURO-107	79-5520OB-GYN-24	NEURO-117
67-7856NEURO-108	70-1016NEURO-107	79-5521OB-GYN-24	80-1345NEURO-13,
67-7857NEURO-108	70-1017NEURO-107	79-5522OB-GYN-24	NEURO-113
67-7858NEURO-108	70-1079NEURO-107, PED-67	79-5546GEN-146, PED-66	80-1346NEURO-13,
67-7859NEURO-108	70-1080NEURO-107, PED-67	79-5550GEN-146	NEURO-113
67-7860NEURO-108	70-1081NEURO-107	79-5555GEN-78	80-1347NEURO-13,
67-7861NEURO-108	70-1087NEURO-107	79-5590OB-GYN-23	NEURO-113
67-7862NEURO-108	70-1088NEURO-107	79-5592OB-GYN-22	80-1348NEURO-13,
67-7863NEURO-108	70-1089NEURO-107	79-6667ENT-15, PED-66	NEURO-113
67-7864NEURO-108	70-1100NEURO-107, PED-67	79-6669ENT-14, PED-65	80-1350NEURO-116
67-7865NEURO-108	70-1101NEURO-107, PED-67	79-6675ENT-15, PED-66	80-1351NEURO-116
67-7866NEURO-108	70-1102NEURO-107, PED-67	79-6676ENT-15, PED-66	80-1352NEURO-116
67-7867NEURO-108	70-1103NEURO-109, PED-67	79-6677ENT-15, PED-66	80-1355NEURO-115,
67-7868NEURO-108	70-1104NEURO-109	79-7011ENT-14, PED-65	NEURO-119
67-7869NEURO-108	70-1128NEURO-109, PED-67	79-7012ENT-14, PED-65	80-1360NEURO-109,
67-7870NEURO-108	70-1130NEURO-109, PED-67	79-7013ENT-14, PED-65	NEURO-118
67-7871NEURO-108	70-1146GEN-14, NEURO-106,	80-1001SPINE-1, SPINE-4	80-1361NEURO-109,
67-7872NEURO-108	PED-66	80-1002NEURO-21	NEURO-118
67-7873NEURO-108	70-1148GEN-148, NEURO-106	80-1004SPINE-1	80-1366NEURO-118
67-8000CVT-89, OBE-74	70-1160OBE-73, NEURO-111	80-1006SPINE-49	80-1396GEN-75, NEURO-105
67-8001CVT-89, OBE-74	70-1161OBE-73, NEURO-111	80-1012SPINE-1, SPINE-5	80-1397GEN-75, NEURO-105
67-8004CVT-89, OBE-74	70-4000GEN-150	80-1130NEURO-37	80-1398GEN-75, NEURO-105
68-1400LAP-1	70-4001GEN-150, OBE-73	80-1230NEURO-36	80-1399GEN-75, NEURO-105
68-1401LAP-2	70-4002GEN-150, OBE-73	80-1231NEURO-36	80-1400GEN-75, NEURO-105
68-1402LAP-2	70-4024GEN-151, OBE-74	80-1232NEURO-36	80-1401GEN-75, NEURO-105
68-1403LAP-2	70-4026GEN-151, OBE-74	80-1311NEURO-114	80-1402GEN-75, NEURO-105
68-1404LAP-2	70-4142GEN-58	80-1312NEURO-114	80-1403GEN-75, NEURO-105
68-1405LAP-3	70-6560GEN-148, OBE-71	80-1313NEURO-16,	80-1404GEN-75, NEURO-105
68-1406LAP-1	70-8035CVT-88, GEN-14,	NEURO-115	80-1406GEN-75, NEURO-105
68-1407LAP-3	OBE-72	80-1314NEURO-16,	80-1407GEN-75, NEURO-105
68-1408LAP-3	70-8036CVT-89, GEN-149,	NEURO-115	80-1408GEN-75, NEURO-105
68-1409LAP-1	OBE-72	80-1315NEURO-16,	80-1409GEN-75, NEURO-105
68-1410LAP-3	70-8038CVT-88, GEN-149,	NEURO-116	80-1449NEURO-106
68-1411LAP-3	OBE-72	80-1316NEURO-16,	80-1450NEURO-106
68-1412LAP-3	70-8040CVT-89, GEN-150,	NEURO-116	80-1451NEURO-106
68-1413LAP-4	OBE-72	80-1325NEURO-114	80-1452NEURO-106
68-1414LAP-4	70-8047PED-67	80-1326NEURO-114	80-1453NEURO-106
68-1415LAP-4	70-8048CVT-89, GEN-150	80-1328NEURO-115	80-1454NEURO-106
68-1416LAP-5	71-4021GEN-157	80-1329NEURO-114	80-1455NEURO-106
68-1417LAP-5	71-4025GEN-157	80-1330NEURO-13,	80-1456NEURO-106
68-1418LAP-5	71-4038GEN-157	NEURO-113	80-1457NEURO-106
68-1419LAP-5	72-6515ENT-14	80-1331NEURO-13,	80-1500NEURO-49, PED-23
68-1420LAP-4	72-6516ENT-14	NEURO-113	80-1501PED-23
68-1421LAP-4	72-6517ENT-14	80-1332NEURO-13,	80-1501NEURO-49
68-1460LAP-1	73-4005CVT-91	NEURO-113	80-1502NEURO-46

NUMERICAL INDEX

80-1503NEURO-46	80-1654NEURO-40, NEURO-46, SPINE-35	80-1804NEURO-60, NEURO-99	80-2002NEURO-59, NEURO-62, PED-35
80-1504NEURO-46	80-1655SPINE-100	80-1805NEURO-60, NEURO-99	80-2003NEURO-59, NEURO-62, PED-35
80-1505NEURO-46	80-1660 ...GEN-9, NEURO-16	80-1806NEURO-53, NEURO-60	80-2005NEURO-59, NEURO-98, PED-59
80-1506NEURO-46	80-1661 ...GEN-9, NEURO-16	80-1807NEURO-53, NEURO-60	80-2006NEURO-59, NEURO-98, PED-59
80-1507NEURO-46	80-1679 ...GEN-9, NEURO-16	80-1812 .GEN-126, NEURO-60, NEURO-79, PED-45	80-2009NEURO-49, NEURO-59
80-1508 ...NEURO-49, PED-23	80-1680 ...GEN-9, NEURO-16	80-1813GEN-126, NEURO-60, NEURO-79, PED-45	80-2010NEURO-49, NEURO-59
80-1509NEURO-46	80-1681 ...GEN-9, NEURO-16	80-1818NEURO-60	80-2012NEURO-59, NEURO-63
80-1510 ...GEN-69, NEURO-62	80-1682 ...GEN-9, NEURO-16	80-1820NEURO-60	80-2013NEURO-59, NEURO-63
80-1511 ...GEN-69, NEURO-62	80-1683 ...GEN-9, NEURO-16, NEURO-26	80-1830 ...GEN-152, GEN-154	80-2015NEURO-59, NEURO-98
80-1512NEURO-60	80-1684 ...GEN-9, NEURO-16, NEURO-26	80-1840NEURO-123	80-2016NEURO-59, NEURO-98
80-1513NEURO-60	80-1685 ...GEN-9, NEURO-16	80-1844NEURO-123	80-2018NEURO-53, NEURO-59
80-1514 ...GEN-69, NEURO-62	80-1686 ...GEN-9, NEURO-16	80-1850CVT-57	80-2019NEURO-53, NEURO-59
80-1515NEURO-60	80-1687 ...GEN-9, NEURO-16	80-1851CVT-42, CVT-57	80-2030NEURO-59
80-1520NEURO-98	80-1688 ...GEN-9, NEURO-16, NEURO-56	80-1852CVT-42, CVT-57	80-2031NEURO-59
80-1521NEURO-98	80-1689 ...GEN-9, NEURO-16, NEURO-56	80-1853CVT-42	80-2900NEURO-36
80-1522NEURO-96	80-1690 ...GEN-9, NEURO-16, NEURO-56	80-1854CVT-57, CVT-81	80-2901NEURO-36
80-1523NEURO-96	80-1691 ...GEN-9, NEURO-16, NEURO-63	80-1855CVT-57, CVT-81	80-2902NEURO-36
80-1524NEURO-96	80-1692 ...GEN-9, NEURO-14, NEURO-16	80-1856CVT-57, CVT-81	80-2903NEURO-36
80-1525NEURO-96	80-1693 ...GEN-9, NEURO-14, NEURO-16	80-1857CVT-42	80-2904NEURO-36
80-1526NEURO-96	80-1696 ...GEN-9, NEURO-16	80-1858CVT-42	80-2905NEURO-36
80-1527NEURO-38	80-1697 ...GEN-9, NEURO-16	80-1859CVT-42	80-2906NEURO-36
80-1528NEURO-38	80-1698 ...GEN-9, NEURO-16	80-1861CVT-57, CVT-64, PED-37	80-2907NEURO-37
80-1529NEURO-38	80-1699 ...GEN-9, NEURO-16	80-1862CVT-57, CVT-64, PED-37	80-2908NEURO-37
80-1530NEURO-65	80-1700NEURO-49	80-1863CVT-57, CVT-64, PED-37	80-2909NEURO-37
80-1531NEURO-55	80-1701NEURO-49	80-1864CVT-64, PED-37	80-2910NEURO-37
80-1532NEURO-55	80-1702NEURO-46	80-1865CVT-57, CVT-90	80-2911NEURO-30
80-1533NEURO-55	80-1703NEURO-46	80-1866CVT-59, GEN-68	80-2912NEURO-31
80-1534NEURO-112	80-1720NEURO-99	80-1867CVT-59, GEN-68	80-2913NEURO-36
80-1535NEURO-15	80-1721NEURO-99	80-1868CVT-59, GEN-68	80-2914 ...NEURO-32, PED-8
80-1536NEURO-13	80-1722NEURO-97	80-1869CVT-59, GEN-68	80-2915NEURO-32
80-1537NEURO-25	80-1723NEURO-97	80-1900NEURO-17, NEURO-104	80-2916NEURO-32
80-1538NEURO-25	80-1725 ...GEN-71, NEURO-63	80-1901NEURO-17, NEURO-104	80-2917NEURO-36
80-1539NEURO-15	80-1726 ...GEN-71, NEURO-63	80-1902NEURO-17, NEURO-104	80-2918NEURO-36
80-1540NEURO-15	80-1727 ...GEN-71, NEURO-63	80-1905NEURO-28, NEURO-104	80-2919NEURO-36
80-1541NEURO-15	80-1728NEURO-61	80-1906NEURO-28, NEURO-104	80-2920NEURO-29
80-1542NEURO-15	80-1729NEURO-61	80-1907NEURO-97, NEURO-104	80-2921NEURO-31
80-1562 .GEN-155, NEURO-59, NEURO-124	80-1731 ...GEN-16, NEURO-43	80-1908NEURO-97, NEURO-104	80-2922 ...NEURO-31, PED-8
80-1563 .GEN-155, NEURO-59, NEURO-124	80-1732 ...GEN-15, NEURO-42	80-1909NEURO-61, NEURO-104	80-2923NEURO-31
80-1564GEN-153	80-1736NEURO-28	80-1910NEURO-104	80-2924NEURO-29
80-1565GEN-153	80-1744NEURO-97	80-1914NEURO-104, NEURO-121	80-2925NEURO-29
80-1567GEN-154	80-1745NEURO-97	80-1915NEURO-104	80-2926 ...NEURO-30, PED-8
80-1568NEURO-121	80-1746NEURO-61	80-2000NEURO-49, NEURO-59, PED-23	80-2929NEURO-36
80-1580NEURO-122	80-1747NEURO-61		80-2930NEURO-36
80-1581NEURO-122	80-1748NEURO-28		80-2931NEURO-36
80-1582NEURO-122	80-1749NEURO-46		80-2932NEURO-36
80-1583NEURO-122	80-1800NEURO-60, NEURO-63		80-2933NEURO-37
80-1584NEURO-122	80-1801NEURO-60, NEURO-99		80-2934NEURO-37
80-1594NEURO-122	80-1802NEURO-60, NEURO-99		80-2935NEURO-37
80-1595NEURO-122	80-1803NEURO-60, NEURO-99		80-2936NEURO-37
80-1597GEN-152			80-2937NEURO-37
80-1598GEN-152			80-2938NEURO-32
80-1599GEN-152			
80-1620NEURO-111			
80-1621NEURO-111			
80-1622NEURO-111			
80-1650 ...SPINE-57, SPINE-66			
80-1651 ...SPINE-57, SPINE-66			
80-1652 ...SPINE-57, SPINE-66			
80-1653 ...SPINE-57, SPINE-66			
80-1654PED-9, PED-20			

NUMERICAL INDEX

80-2939	NEURO-32	80-2980	NEURO-34	80-6002	NEURO-48, OB-GYN-5, OB-GYN-8, PED-20, PED-22	81-1012	GEN-147
80-2940	NEURO-31, PED-8	80-2981	NEURO-34			83-6505	ENT-2
80-2941	NEURO-32	80-2982	NEURO-34			83-6506	ENT-2
80-2942	NEURO-32	80-2983	NEURO-30	80-6006	NEURO-62, OB-GYN-5, OB-GYN-15, PED-32, PED-35	88-1005	..SPINE-1, SPINE-38
80-2943	NEURO-32	80-2984	NEURO-30			88-1006	SPINE-38, SPINE-48
80-2944	NEURO-32	80-2985	NEURO-35	80-6007	NEURO-62, OB-GYN-5, OB-GYN-15, PED-32, PED-35	88-2500	...GEN-63, SPINE-45
80-2945	NEURO-31, PED-8	80-2986	NEURO-35			88-2520	GEN-63, SPINE-44
80-2946	NEURO-32	80-2987	NEURO-35	80-6008	NEURO-97, OB-GYN-5, OB-GYN-19, PED-58	88-4000	NEURO-66
80-2947	NEURO-29	80-2988	NEURO-35			BW0144003	...BW-15, BW-20, GEN-90-91, OBE-52-53
80-2948	NEURO-29	80-2989	NEURO-35	80-6009	NEURO-97, OB-GYN-5, OB-GYN-19, PED-58	BW0144005	...BW-15, BW-19, GEN-90-91, OBE-51-52
80-2949	NEURO-34	80-2990	NEURO-35			BW0338014	..BW-2, BW-19-20, GEN-90-91, OBE-51-53
80-2950	NEURO-34	80-2991	NEURO-31, NEURO-35	80-6620	NEURO-62, OB-GYN-15, PED-32, PED-35	BW0338015	..BW-2, BW-19-20, GEN-90-91, OBE-51-53
80-2951	NEURO-33	80-2992	NEURO-35	80-6621	NEURO-62, OB-GYN-15, PED-32, PED-35	BW1043016	...BW-19, BW-20, GEN-90-91, OBE-51-53
80-2952	NEURO-33	80-2993	NEURO-35	80-6630	NEURO-49, OB-GYN-8, PED-20, PED-22	BW1043029	BW-19-20, GEN-90-91, OBE-51-53
80-2953	NEURO-33	80-2994	NEURO-35	80-6631	NEURO-49, OB-GYN-8, PED-20, PED-22	BW1045000	BW-19-20, GEN-90-91, OBE-51-53
80-2954	NEURO-33	80-2995	NEURO-35	80-6640	NEURO-98, OB-GYN-20, PED-59	BW1045069	BW-19-20, GEN-90-91, OBE-51-53
80-2955	NEURO-33	80-2996	NEURO-35	80-6641	NEURO-98, OB-GYN-20, PED-59	BW1045176	BW-19-20, GEN-90-91, OBE-51-53
80-2956	NEURO-33	80-2997	NEURO-35	80-6642	NEURO-98, OB-GYN-20, PED-59	BW1045BKIT	..BW-20, GEN-90, OBE-52
80-2957	NEURO-33	80-2998	NEURO-35			BW1045BRT	..BW-20, GEN-91, OBE-53
80-2958	NEURO-33	80-2999	NEURO-35	80-8001	CVT-90	BW1046BKIT	..BW-19, GEN-91, OBE-51
80-2959	NEURO-33	80-3050	NEURO-35	80-8002	CVT-91	BW1046BRT	..BW-19, GEN-90, OBE-52
80-2960	NEURO-34	80-3060	NEURO-30, NEURO-35	80-8006	CVT-60, CVT-91	BW1271017	BW-19-20, GEN-90-91, OBE-51-53
80-2961	NEURO-34	80-3062	NEURO-35	80-8007	CVT-90	SP00144-1	GEN-101
80-2962	NEURO-29, OB-GYN-5, OB-GYN-9, PED-7, PED-20	80-3063	NEURO-35	80-8008	CVT-91		
80-2963	NEURO-29, OB-GYN-5, OB-GYN-9, PED-7, PED-20	80-3064	NEURO-35	80-8010	CVT-60		
80-2964	NEURO-28, PED-7	80-3065	NEURO-35	80-8100	CVT-57		
80-2965	NEURO-30, PED-8	80-3070	NEURO-35	81-1000	NEURO-105		
80-2966	NEURO-30, PED-8	80-3071	NEURO-35	81-1001	NEURO-105		
80-2967	NEURO-34, PED-9	80-3072	NEURO-35	81-1002	NEURO-105		
80-2968	NEURO-29, PED-7	80-3073	NEURO-35	81-1006	NEURO-105		
80-2972	NEURO-34	80-3076	NEURO-35	81-1010	GEN-147		
80-2973	NEURO-34	80-3077	NEURO-35	81-1011	GEN-147		
80-2974	NEURO-34	80-3078	NEURO-35				
80-2975	NEURO-34	80-3079	NEURO-35				
80-2976	NEURO-34	80-3080	NEURO-35				
80-2977	NEURO-34	80-3084	NEURO-34-35				
80-2978	NEURO-34	80-3085	NEURO-34, 35				
80-2979	NEURO-34	80-3086	NEURO-34, 35				
		80-5550	OB-GYN-5				
		80-6001	NEURO-48, OB-GYN-5, OB-GYN-8, PED-20, PED-22				

CONVERSION CHART

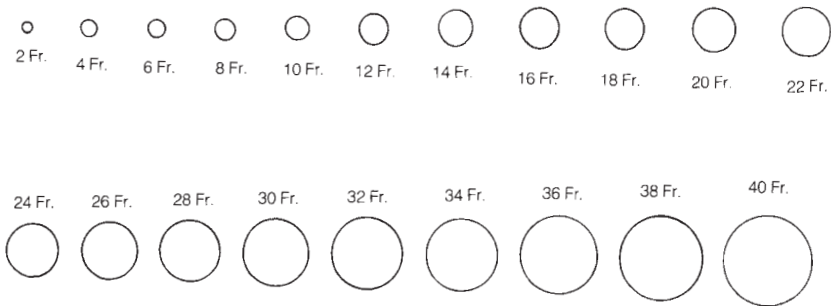
An increasing acceptance of the metric system as a worldwide standard, has prompted the conversion of all English dimensions in this catalog to an approximate metric measurement. In some cases where there is a very finite difference in size relationship throughout a product line, metric measurements 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

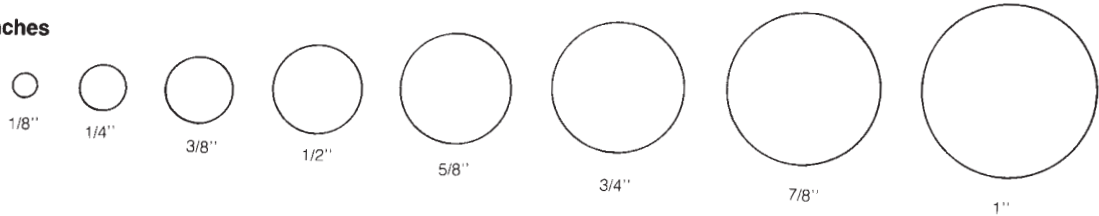
Millimeters



French



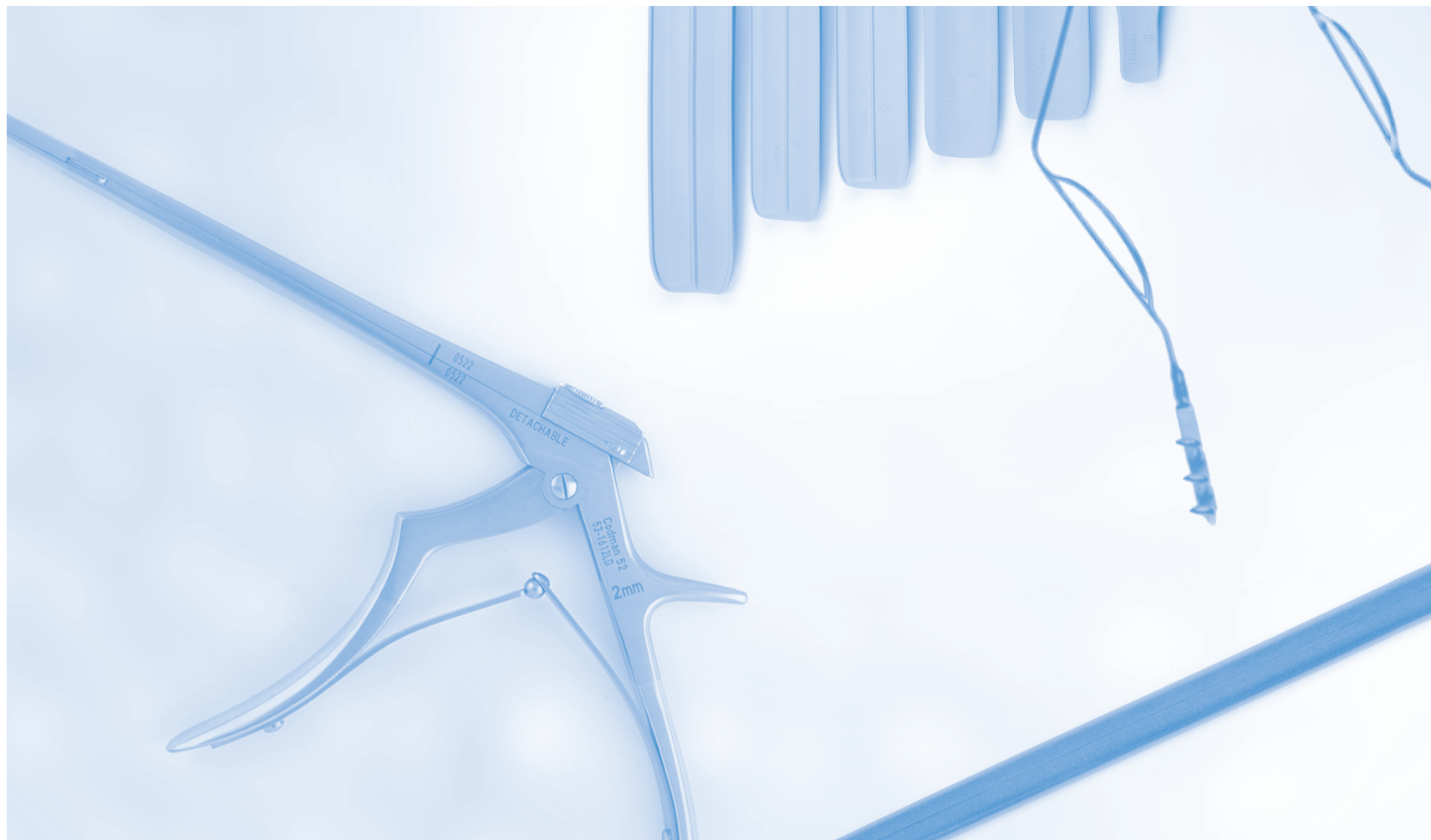
Inches



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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INS-27-000 04/08 JC/RRD

