

About Us

HAWRAZI Enterprises, founded in 1997 by MOHAMMAD HANIF and IMRAN HANIF. Its main activity is to manufacture Dental and Medical Instruments and diagnostic devices. Grown into one of the leading company that offers one of the best qualities in Medical/Dental/Surgical Instruments, Orthopedic implants and other related specialized instruments competitive to the Export Market all over the world.

The Company caters clients in ASIA, EUROPEAN & UNITED STATE Markets. Our strength lies in providing all kinds of specialized medical instruments to address the specific need of our clients.

Our instruments have been manufactured by using high quality stainless and precise cutting CNC machines. Our solid industrial structure which counts on large production facilities evolved technologies and production process, performed by competent personnel and complete production line. We aim at constant improvement of the product quality, service and company performances

- On customer's perspective, they have the convenience of being able to rely on one company with a proven track record of high quality and excellent products to suffice the standard interest of clients as to their need on the quality Dental, Orthopedic, Surgical instruments and diagnostic devices.
- In response to our customer's need, it is our perspective to identify our customer's need and provide them with the delivery of the goods and services in their full and complete satisfaction.
- HAWRAZI, shall continue to manufacture products of high standard and meet the current market demands in the different fields of medical and dental.
- All these years, HAWRAZI has maintained a thoroughly positive and professional image, cultivating and sustaining a long term relationship with its business partners and clients. Working closely with our chosen world class partners, we are constantly exploring new and innovative ways of doing business to better serve our clients.
- By having an extra ordinary standard of quality, the business become viable and HAWRAZI Enterprises expanded the business internationally to facilitate the clients need for timely deliveries of their orders, so one of its managing partner established a marketing arm in the Philippines. A corporation especially launched to serve the market in Medical/Dental industry for the South East Asia, we introduced SURGICOM TRADING CORPORATION.

OUR PHILOSOPHY

"We firmly acknowledged our role and responsibilities to the international market we are serving."

Cognizant of this fact we shall tirelessly dedicate ourselves, our resources and our products to the development/upgrading and enhancement of medical instruments that will contribute to the progress of our valued customers/clients.

OUR MISSION

"It is our mission to attain total customer satisfaction. Therefore- the primary duty of Hawrazi Enterprises is to strive towards high quality, timely delivery of goods and services. Products must be highly competitive and cost is reasonable."

OUR VISION

"To provide quality and competitive products in order to attain credence from dealers, medical practitioners and clients who are using products manufactured by Hawrazi Enterprises."



CLEANING, STERILIZATION & MAINTENANCE OF SURGICAL INSTRUMENTS / HOLLOW WARES:



HOLDING/PRESOAK

It is important never to hold instruments in a dry container, which will allow blood and debris to dry onto instrument surfaces and make cleaning more difficult.

RINSING

Immediately after surgery, remove organic materials by rinsing instruments under warm (not hot) running water. Rinse thoroughly to remove most blood fluids and tissue. It is best to rinse instruments separately according to their composition (like stainless, copper chrome plated, etc.) Always wear safety protecting gear.

DISINFECTING

To protect medical personnel from contamination during cleaning, immerse instruments completely in an EPA (ENVIRONMENTAL PROTECTION AGENCY) approved disinfectant for approximately 10-20 minutes. Always follow closely manufacturer's recommended disinfecting time and solution preparation instruction. Then rinse again.

CAUTION

Disinfected instruments are NOT STERILE. Never expose stainless steel instruments to bleach or other corrosive chemicals to disinfect. Exposure to bleach may result in instruments pitting and will void all manufacturer's guarantees.

CLEANING

All blood, dried body fluids, tissue and dirt should be completely removed from the instruments prior to sterilization.

ULTRASONIC CLEANING

Manufacturers highly recommended ultrasonic cleaning as the most effective way to clean surgical instruments, particularly those with hinges, box locks and other moving parts.

All instruments must be fully submerged in open position. **Use distilled (demineralized) water.** Be careful surface scratching and also be sure dissimilar metal instruments are separated.

Process instruments for full recommended ultrasonic cleaning cycle. Change solution frequently. Rinse instruments with distilled water to remove the cleaning solution.

CAUTION

Needle holders and forceps may crack if sterilized with ratchet in closed position.

AFTER CLEANING

Separate the instruments/metal accordingly prior to sterilized/autoclaving. If instruments are to be stored, let them air-dry and stored them in a clean and dry environment.

Lubricate all hinged instruments which have any "metal to metal" action, at the screw or box lock a non-silicone, water soluble lubricant any approved recommended. Do not use industrial oil or lubricant.

STERILIZE INSTRUMENT EITHER INDIVIDUALLY OR IN SETS

INDIVIDUAL INSTRUMENTS

Disposable paper is ideal. Make sure to use a wide enough for instruments with ratchet locks so instruments can be sterilized in an open (unlocked) position. Instruments locked during autoclaving can experience cracked hinges (box locks) or other problem because of heat exposure. In wrapping instruments, make sure the towel does not contain detergent residue which can stain instruments.

INSTRUMENTS SETS

Sterilize instruments in an open position. Place heavy instruments on the bottom of set (when two layers are required) do not overload the chamber because an air pocket may form that hinders steam penetration.

CAUTION

Using portable tabletop autoclaves, at the end of the autoclave cycle and before the drying cycle, unlock the door and open it no more than about ¼" (6.4mm) then run the dry cycle for the period recommended by the autoclave manufacturer. If the autoclave door is fully opened before the drying cycle, cold room air will rush into the chamber causing condensation on the instruments that may result in water stains or cause wet packs. Make sure autoclave filters and chambers are cleaned.



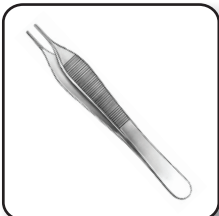
SCALPELS

Page — 1 to 5
AO-0001 -to- AO-0070



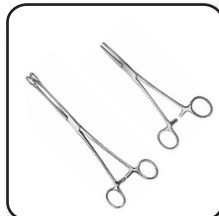
SCISSORS

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BO-0120 -to- BO-0542



DRESSING & TISSUE FORCEPS

Page — 25 to 35
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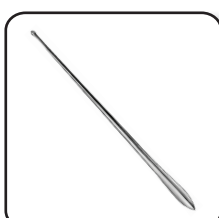
HEMOSTATIC AND SPONGE FORCEPS

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RETRACTORS

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PROBES

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DRESSING

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BONE SURGERY AND IMPLANTS

Page — 101 to 148
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CARDIOVASCULAR SURGERY

Page — 149 to 168
LO-5001 -to- LO-5317



NEUROSURGERY LAMINECTOMY

Page — 169 to 174
MO-5371 -to- MO-5491



TRACHEOTOMY

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NO-5521 -to- NO-5557



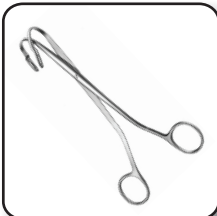
DERMATOLOGY

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OO-5581 -to- OO-5626



STOMACH, INTESTINE RECTUM

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PO-5651 -to- PO-5723



UROLOGY

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QO-5751 -to- QO-5856



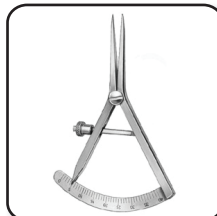
GYNECOLOGY

Page — 188 to 200
RO-5901 -to- RO-6453



OBSTETRICS

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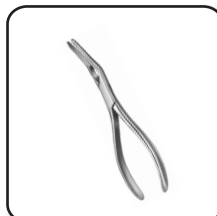
CALIPERS

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TO-6541 -to- TO-6546



OTOLOGY

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UO-6561 -to- UO-6710



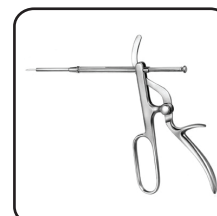
RHINOLOGY

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ORAL MAXILLO FACIAL SURGERY

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TONSILLECTOMY

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LARYNGO BRONCHOSCOPY

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CARINO MAXILLO FACIAL SURGERY

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SURGERY SETS

Page — 280 to 280
ACO-8501 -to- ACO-8516



SCALPELS

AO-0001 - to - AO-0070

Oltten
Instruments



GENERAL INSTRUMENTS

KNIVES

Dissecting, Autopsy, Cartilage, Post Mortem, Brain, Amputation, Interosseous and Resection Knives

Olten
Instruments



All Metal SHAPE 1

REF #	SIZE cm	SIZE in	BLADE
AO-0001	15.0 cm	6"	27 mm
AO-0002	15.0 cm	6"	35 mm
AO-0003	16.0 cm	6¼"	40 mm
AO-0004	16.0 cm	6½"	47 mm
AO-0005	17.0 cm	6¾"	50 mm
AO-0006	11.5 cm	4½"	30 mm



Wooden Handle SHAPE 1

REF #	SIZE cm	SIZE in	BLADE
AO-0013	15.0 cm	6"	27 mm
AO-0014	15.0 cm	6"	35 mm
AO-0015	16.0 cm	6¼"	40 mm
AO-0016	16.0 cm	6½"	47 mm
AO-0017	17.0 cm	6¾"	50 mm



All Metal SHAPE 2

REF #	SIZE cm	SIZE in	BLADE
AO-0007	15.0 cm	6"	30 mm
AO-0008	15.0 cm	6"	36 mm
AO-0009	15.5 cm	6"	40 mm
AO-0010	16.0 cm	6¼"	45 mm
AO-0011	16.0 cm	6½"	50 mm
AO-0012	11.5 cm	4½"	30 mm

Wooden Handle SHAPE 2

REF #	SIZE cm	SIZE in	BLADE
AO-0018	15.0 cm	6"	30 mm
AO-0019	15.0 cm	6"	36 mm
AO-0020	15.5 cm	6"	40 mm
AO-0021	16.0 cm	6¼"	45 mm
AO-0022	16.0 cm	6½"	50 mm



REF #	SIZE cm	SIZE in	BLADE
AO-0023	25.5 cm	10"	100 mm

Standard
Dissecting Knife

Standard
Autopsy Knife
(wooden handle)



REF #	SIZE cm	SIZE in	BLADE
AO-0024	21.0 cm	8¼"	80 mm



REF #	SIZE cm	SIZE in	BLADE
AO-0025	26.0 cm	10¼"	110 mm
AO-0026	29.0 cm	11½"	140 mm
AO-0027	31.0 cm	12¼"	170 mm



REF #	SIZE cm	SIZE in	BLADE
AO-0028	28.5 cm	11¼"	160 mm
AO-0029	33.5 cm	13¼"	200 mm
AO-0030	38.0 cm	15"	240 mm

Standard
Cartilage Knife
(wooden handle)

Walb
Post Mortem Knife
(wooden handle)

Virchow
Brain Knife
(hollow handle)



REF #	SIZE cm	SIZE in	BLADE
AO-0031	29.0 cm	11½"	160 mm
AO-0032	32.5 cm	12¾"	190 mm



REF #	SIZE cm	SIZE in	BLADE
AO-0033	29.0 cm	11½"	160 mm

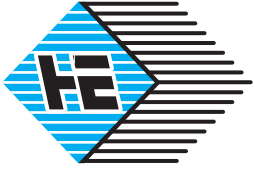


REF #	SIZE cm	SIZE in	BLADE
AO-0034	18.0 cm	7"	65 mm

Standard
Amputation Knife
(hollow handle)

Catlin
Interosseous Knife
(hollow handle)

Standard
Resection Knife
(solid handle)



GENERAL INSTRUMENTS

Knives-Razors-Blade Breakers
Resection Knives, Blade Breakers, Razor Knives

Olten
Instruments



REF # SIZE cm SIZE in BLADE
AO-0035 18.0 cm 7" 55 mm

Langenbeck
Resection Knife



REF # SIZE cm SIZE in BLADE
AO-0036 18.0 cm 7" 55 mm

Langenbeck
Resection Knife



REF # SIZE cm SIZE in
AO-0037 31.0 cm 12 1/4"

Humby
Skin Graft Knife
Without Blade



REF # BLADE
AO-0038 75 mm x 16mm

Standard
Razor Knife



REF # BLADE
AO-0039 80 mm x 22mm

Standard
Razor Knife



REF #
AO-0040

Standard
Razor For Interchangeable Blades
With Safety Clip



REF # SIZE cm SIZE in BLADE
AO-0041 09.0 cm 3 1/2" 5.5 mm

Troutman-Chris
Blade Holder / Blade Breaker



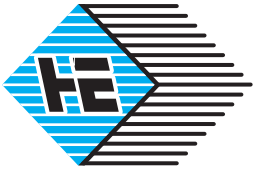
REF # SIZE cm SIZE in BLADE
AO-0042 09.0 cm 3 1/2" 5.5 mm

Standard
Blade Holder / Blade Breaker



REF # SIZE cm SIZE in BLADE
AO-0043 11.0 cm 4 1/4" 6.0 mm

Standard
Blade Holder / Blade Breaker



GENERAL INSTRUMENTS

Blade Breakers - Scalpels Scalpel Handles

Oiten
Instruments



REF # SIZE cm SIZE in BLADE
AO-0044 13.0 cm 5" 8.0 mm

Castroviejo
Blade Holder / Blade Breaker



REF # SIZE cm SIZE in
AO-0045 13.5 cm 5 1/4"

Standard
Scalpel Handle



REF # SIZE cm SIZE in
AO-0046 9.5 cm 3 3/4"

Miniature
Blade Handle
W/Self-Locking Chuck



REF # SIZE cm SIZE in SHAPE
AO-0047 12.0 cm 4 3/4" No.3

Standard
Scalpel Handle



REF # SIZE cm SIZE in SHAPE
AO-0048 12.0 cm 4 3/4" No.3

Standard
Scalpel Handle



REF # SIZE cm SIZE in SHAPE
AO-0049 21.5 cm 8 1/2" No.3L

Standard
Scalpel Handle



REF # SIZE cm SIZE in SHAPE
AO-0050 21.0 cm 8 3/4" No.3L

Standard
Scalpel Handle



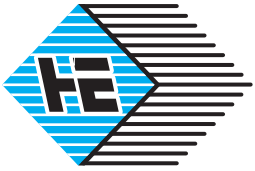
REF # SIZE cm SIZE in SHAPE
AO-0051 16.0 cm 6 1/4" No.4 + No.3

Standard
Scalpel Handle



REF # SIZE cm SIZE in SHAPE
AO-0052 12.0 cm 4 3/4" No.3

Standard
Scalpel Handle



GENERAL INSTRUMENTS

Scalpels
Scalpel Handles

Oltten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
AO-0053	15.5 cm	6"	No.3

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0054	14.5 cm	5 3/4"	No.3

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0055	14.0 cm	5 1/2"	No.3

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0056	15.0 cm	6"	No.3

Kaye
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0057	12.5 cm	5"	No.3

Standard
Scalpel Handle (Plastic Handle)



REF #	SIZE cm	SIZE in	SHAPE
AO-0058	13.5 cm	5 1/4"	No.4

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0059	21.0 cm	8 1/4"	No.4

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0060	21.0 cm	8 1/4"	No.4L

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0061	21.0 cm	8 1/4"	No.4L

Standard
Scalpel Handle



GENERAL INSTRUMENTS

Scalpels-Spatulas Scalpel Handles

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
AO-0062	13.5 cm	5 1/4"	No.4

Standard
Scalpel Handle (plastic handle)



REF #	SIZE cm	SIZE in	SHAPE
AO-0063	16.0 cm	6 3/4"	No.7

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0064	12.5 cm	5"	No.7K

Standard
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0065	15.5 cm	6"	No.3

Moveabel
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0066	13.5 cm	5 1/4"	No.8

Collin
Scalpel Handle



REF #	SIZE cm	SIZE in	SHAPE
AO-0067	14.5 cm	5 3/4"	No.9

Collin
Scalpel Handle



REF #	SIZE cm	SIZE in	BLADE
AO-0068	13.0 cm	5 1/4"	12 mm x 45 mm
AO-0069	19.0 cm	7 1/2"	16 mm x 95 mm
AO-0070	20.0 cm	8"	20 mm x 105 mm

Section
Lifter



SCISSORS

BO-0120 - to - BO-0542

Oltten
Instruments



GENERAL INSTRUMENTS

SCISSORS

Operating Scissors, Incision Scissors, Dissecting Scissors

olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
BO-0120	12.0 cm	4½"	str
BO-0121	13.0 cm	5"	str
BO-0122	14.5 cm	5½"	str
BO-0123	15.5 cm	6"	str
BO-0124	16.5 cm	6½"	str
BO-0125	18.5 cm	7½"	str
BO-0126	20.5 cm	8"	str
BO-0127	23.0 cm	9"	str
BO-0128	25.5 cm	10"	str
BO-0129	12.0 cm	4½"	cvd
BO-0130	13.0 cm	5"	cvd
BO-0131	14.5 cm	5½"	cvd
BO-0132	15.5 cm	6"	cvd
BO-0133	16.5 cm	6½"	cvd
BO-0134	18.5 cm	7½"	cvd
BO-0135	20.5 cm	8"	cvd
BO-0136	23.0 cm	9"	cvd
BO-0137	25.5 cm	10"	cvd

Standard
Operating Scissors
Blunt / Blunt



REF #	SIZE cm	SIZE in	SHAPE
BO-0138	12.0 cm	4½"	str
BO-0139	13.0 cm	5"	str
BO-0140	14.5 cm	5½"	str
BO-0141	15.5 cm	6"	str
BO-0142	16.5 cm	6½"	str
BO-0143	18.5 cm	7½"	str
BO-0144	20.5 cm	8"	str
BO-0145	23.0 cm	9"	str
BO-0146	25.5 cm	10"	str
BO-0147	12.0 cm	4½"	cvd
BO-0148	13.0 cm	5"	cvd
BO-0149	14.5 cm	5½"	cvd
BO-0150	15.5 cm	6"	cvd
BO-0151	16.5 cm	6½"	cvd
BO-0152	18.5 cm	7½"	cvd
BO-0153	20.5 cm	8"	cvd
BO-0154	23.0 cm	9"	cvd
BO-0155	25.5 cm	10"	cvd

Standard
Operating Scissors
Blunt / Sharp



REF #	SIZE cm	SIZE in	SHAPE
BO-0156	12.0 cm	4½"	str
BO-0157	13.0 cm	5"	str
BO-0158	14.5 cm	5½"	str
BO-0159	15.5 cm	6"	str
BO-0160	16.5 cm	6½"	str
BO-0161	18.5 cm	7½"	str
BO-0162	20.5 cm	8"	str
BO-0163	23.0 cm	9"	str
BO-0164	25.5 cm	10"	str
BO-0165	12.0 cm	4½"	cvd
BO-0166	13.0 cm	5"	cvd
BO-0167	14.5 cm	5½"	cvd
BO-0168	15.5 cm	6"	cvd
BO-0169	16.5 cm	6½"	cvd
BO-0170	18.5 cm	7½"	cvd
BO-0171	20.5 cm	8"	cvd
BO-0172	23.0 cm	9"	cvd
BO-0173	25.5 cm	10"	cvd

Standard
Operating Scissors
Sharp / Sharp



REF #	SIZE cm	SIZE in	SHAPE
BO-0174	14.0 cm	5½"	blt-bl
BO-0175	14.0 cm	5½"	srp-bl
BO-0176	14.0 cm	5½"	srp-srp

Grazil
Operating Scissors
Straight / Delicate



REF #	SIZE cm	SIZE in	SHAPE
BO-0177	14.0 cm	5½"	blt-bl
BO-0178	14.0 cm	5½"	srp-bl
BO-0179	14.0 cm	5½"	srp-srp

Grazil
Operating Scissors
Curved / Delicate



REF #	SIZE cm	SIZE in	SHAPE
BO-0180	14.0 cm	5½"	str

Standard
Operating Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0181	14.0 cm	5½"	str
BO-0182	14.0 cm	5½"	cvd

Deaver
Operating Scissors



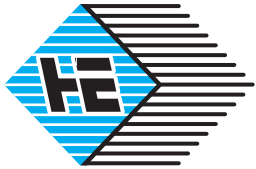
REF #	SIZE cm	SIZE in	SHAPE
BO-0183	14.5 cm	5½"	str
BO-0184	15.0 cm	6"	str
BO-0185	17.0 cm	6¾"	str
BO-0186	20.0 cm	8"	str
BO-0187	23.5 cm	9"	str
BO-0188	14.5 cm	5½"	cvd
BO-0189	15.0 cm	6"	cvd
BO-0190	17.0 cm	6¾"	cvd
BO-0191	20.0 cm	8"	cvd
BO-0192	23.5 cm	9"	cvd

Mayo
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0193	23.0 cm	9"	str
BO-0194	28.0 cm	11"	str
BO-0195	30.0 cm	12"	str
BO-0196	22.5 cm	9"	cvd
BO-0197	28.0 cm	11"	cvd
BO-0198	30.0 cm	12"	cvd

Mayo-Harrington
Dissecting Scissors



GENERAL INSTRUMENTS

SCISSORS

Dissecting Scissors, Gynecological Scissors, Operating Scissors

olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
BO-0199	15.0 cm	6"	str
BO-0200	17.0 cm	6¾"	str
BO-0201	15.0 cm	6"	cvd
BO-0202	17.0 cm	6¾"	cvd

Mayo-Stille
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0203	16.0 cm	6¼"	str
BO-0204	19.5 cm	7¾"	str
BO-0205	21.5 cm	8½"	str
BO-0206	16.0 cm	6¼"	cvd
BO-0207	19.5 cm	7¾"	cvd
BO-0208	21.5 cm	8½"	cvd

Mayo-Stille
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0209	16.5 cm	6½"	str
BO-0210	17.5 cm	6¾"	cvd

Mayo-Noble
Gynecological Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0211	20.0 cm	8"	str
BO-0212	23.0 cm	9"	str
BO-0213	20.0 cm	8"	cvd
BO-0214	23.0 cm	9"	cvd

Sims
Gynecological Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0215	16.0 cm	6¼"	str
BO-0216	16.0 cm	6¼"	cvd

Kelly
Operating Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0217	18.5 cm	7¼"	str
BO-0218	18.5 cm	7¼"	cvd

Doyen
Gynecological Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0219	24.5 cm	9¾"	str

Sims-Siebold
Gynecological Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0220	24.5 cm	9¾"	cvd

Sims-Siebold
Gynecological Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0221	20.0 cm	8"	cvd
BO-0222	23.0 cm	9"	cvd

Wertheim
Gynecological Scissors



GENERAL INSTRUMENTS

SCISSORS

Dissecting Scissors, Nerve Dissecting Scissors, Face-Lift Scissors

olten
Instruments



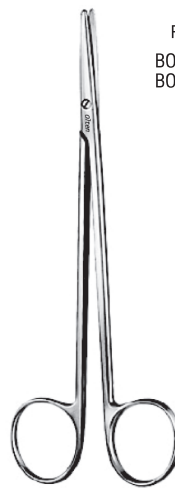
Metzenbaum
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0223	11.5 cm	4½"	str blt-blt
BO-0224	11.5 cm	4½"	cvd blt-blt



Metzenbaum
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0225	14.5 cm	5¾"	str blt-blt
BO-0226	14.5 cm	5¾"	str srp-blt
BO-0227	14.5 cm	5¾"	str srp-srp
BO-0228	14.5 cm	5¾"	cvd blt-blt
BO-0229	14.5 cm	5¾"	cvd srp-blt
BO-0230	14.5 cm	5¾"	cvd srp-srp



Metzenbaum
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0231	15.5 cm	6"	str blt-blt
BO-0232	15.5 cm	6"	cvd blt-blt



Metzenbaum-Nelson
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0233	18.0 cm	7"	str blt-blt
BO-0234	20.5 cm	8"	str blt-blt
BO-0235	23.0 cm	9"	str blt-blt
BO-0236	26.0 cm	10¼"	str blt-blt
BO-0237	28.5 cm	11¼"	str blt-blt
BO-0238	31.0 cm	12¼"	str blt-blt



Metzenbaum-Nelson
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0239	18.0 cm	7"	str srp-srp
BO-0240	20.5 cm	8"	str srp-srp



Metzenbaum-Nelson
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0241	18.0 cm	7"	cvd blt-blt
BO-0242	20.5 cm	8"	cvd blt-blt
BO-0243	23.0 cm	9"	cvd blt-blt
BO-0244	26.0 cm	10¼"	cvd blt-blt
BO-0245	28.5 cm	11¼"	cvd blt-blt
BO-0246	31.0 cm	12¼"	cvd blt-blt



Metzenbaum
Dissecting Scissors (toothed)

REF #	SIZE cm	SIZE in	SHAPE
BO-0247	14.5 cm	5¾"	str srp-srp
BO-0248	14.5 cm	5¾"	cvd srp-srp



Standard
Nerve Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0249	15.5 cm	6"	str srp-srp
BO-0250	15.5 cm	6"	cvd srp-srp



Kaye
Face-lift Scissors (toothed)

REF #	SIZE cm	SIZE in	SHAPE
BO-0251	18.5 cm	7¼"	cvd



GENERAL INSTRUMENTS

SCISSORS

Dissecting Scissors, Face-Lift Scissors, Nasal Scissors,
Delicate Dissecting Scissors

olten
Instruments



Gorney
Face-lift Scissors (toothed)

REF #	SIZE cm	SIZE in	SHAPE
BO-0252	12.5 cm	5"	str
BO-0253	19.5 cm	7¾"	str
BO-0254	19.5 cm	7¾"	cvd



Aston
Face-lift Scissors (toothed)

REF #	SIZE cm	SIZE in	SHAPE
BO-0255	17.0 cm	6¾"	str



Lexer
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0256	16.0 cm	6¼"	str
BO-0257	16.0 cm	6¼"	cvd



Cinelli
Nasal Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0258	11.5 cm	4½"	cvd
BO-0259	14.0 cm	5½"	cvd



Thorek
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0260	18.5 cm	7¼"	cvd



Lexer-Baby
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0261	10.0 cm	4"	str
BO-0262	10.0 cm	4"	cvd



Lexer-Fino
Delicate Dissecting Scissors
slender pattern

REF #	SIZE cm	SIZE in	SHAPE
BO-0263	16.5 cm	6½"	str
BO-0264	16.5 cm	6½"	cvd



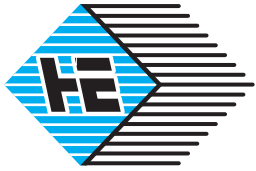
Metzenbaum-Fino
Delicate Dissecting Scissors
slender pattern

REF #	SIZE cm	SIZE in	SHAPE
BO-0265	14.5 cm	5¾"	str



Metzenbaum-Fino
Delicate Dissecting Scissors
slender pattern

REF #	SIZE cm	SIZE in	SHAPE
BO-0266	14.5 cm	5¾"	cvd blt-bl



GENERAL INSTRUMENTS

SCISSORS

Delicate Dissecting Scissors, Operating Scissors,
Dissecting Scissors, Face-Lift Scissors

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
BO-0267	14.5 cm	5¾"	str

Metzenbaum-Fino
Delicate Dissecting Scissors
slender pattern



REF #	SIZE cm	SIZE in	SHAPE
BO-0268	14.5 cm	5¾"	cvd

Metzenbaum-Fino
Delicate Dissecting Scissors
slender pattern



REF #	SIZE cm	SIZE in	SHAPE
BO-0269	18.0 cm	7"	str srp-srp
BO-0270	20.0 cm	8"	str srp-srp
BO-0271	23.0 cm	9¼"	str srp-srp

Metzenbaum-Fino
Delicate Dissecting Scissors
slender pattern



REF #	SIZE cm	SIZE in	SHAPE
BO-0272	18.0 cm	7"	cvd
BO-0273	20.0 cm	8"	cvd
BO-0274	23.0 cm	9"	cvd

Metzenbaum-Fino
Delicate Dissecting Scissors
slender pattern



REF #	SIZE cm	SIZE in	SHAPE
BO-0275	18.0 cm	7"	S-shape
BO-0276	20.0 cm	8"	S-shape
BO-0277	23.0 cm	9"	S-shape

Metzenbaum-Fino
Delicate Dissecting Scissors
slender pattern



REF #	SIZE cm	SIZE in	SHAPE
BO-0278	14.0 cm	5½"	str
BO-0279	14.0 cm	5½"	cvd

Sanvenero
Operating Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0280	11.5 cm	4½"	str
BO-0281	11.5 cm	4½"	cvd

Standard
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0282	14.5 cm	5¾"	str
BO-0283	14.5 cm	5¾"	cvd

Joseph
Operating Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0284	14.5 cm	5¾"	str
BO-0285	14.5 cm	5¾"	cvd

Peck-Joseph
Face-lift Scissors



GENERAL INSTRUMENTS

SCISSORS

Dissecting Scissors, Face-Lift Scissors, Vascular Scissors

olten
Instruments



Peck-Joseph
Face-lift Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0286	14.5 cm	5¾"	str
BO-0287	14.5 cm	5¾"	cvd



Shea Vein Graft
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0288	12.0 cm	4¾"	cvd



Kilner
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0289	12.0 cm	4¾"	cvd
BO-0290	15.0 cm	6"	cvd



Standard
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0291	14.5 cm	5¾"	str
BO-0292	14.5 cm	5¾"	cvd



Reynolds
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0293	15.5 cm	6"	str
BO-0294	15.5 cm	6"	cvd
BO-0295	18.0 cm	7"	cvd



Jameson
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0296	15.5 cm	6"	cvd



Jameson
Dissecting Scissors
one toothed cutting edge

REF #	SIZE cm	SIZE in	SHAPE
BO-0297	15.5 cm	6"	cvd



Standard
Vascular Scissors
fine, short blades

REF #	SIZE cm	SIZE in	SHAPE
BO-0298	19.0 cm	7½"	str
BO-0299	19.0 cm	7½"	cvd



Standard
Vascular Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0300	25.5 cm	10"	S-shape



GENERAL INSTRUMENTS

SCISSORS

Vascular Scissors, Coronary Scissors, Neurosurgical Scissors,
Dura Scissors

olten
Instruments



Diethrich
Vascular Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0301	19.0 cm	7½"	25° angled
BO-0302	18.5 cm	7¼"	45° angled
BO-0303	18.5 cm	7¼"	60° angled
BO-0304	17.5 cm	7"	90° angled
BO-0305	17.5 cm	7"	125° angled



Diethrich
Vascular Scissors
with guiding

REF #	SIZE cm	SIZE in	SHAPE
BO-0306	19.0 cm	7"	125° angled



DeBaKey
Vascular Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0307	16.5 cm	6½"	45° angled
BO-0308	16.0 cm	6¼"	60° angled



Potts-Smith
Vascular Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0309	19.0 cm	7½"	25° angled
BO-0310	19.0 cm	7½"	40° angled
BO-0311	19.0 cm	7½"	60° angled
BO-0312	19.0 cm	7½"	60° bend
BO-0313	19.0 cm	7½"	60° angled ball / srp blade edges



Standard
Coronary Scissor
Micro Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0314	18.0 cm	7"	25° angled
BO-0315	18.0 cm	7"	45° angled
BO-0316	18.0 cm	7"	60° angled
BO-0317	18.0 cm	7"	90° angled
BO-0318	18.0 cm	7"	125° angled

Blade length 10 mm



Favoloro
Vascular Scissors

REF #	SIZE cm	SIZE in
BO-0319	15.0 cm	6"



Standard
Vascular Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0320	12.0 cm	4¾"	str

one blade pointed



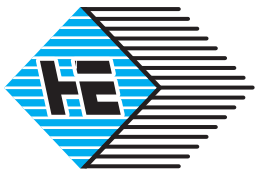
Strully
Neurosurgical Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0321	22.5 cm	8¾"	cvd



Schmieden-Taylor
Dura Scissors

REF #	SIZE cm	SIZE in
BO-0322	16.5 cm	6½"



GENERAL INSTRUMENTS

SCISSORS

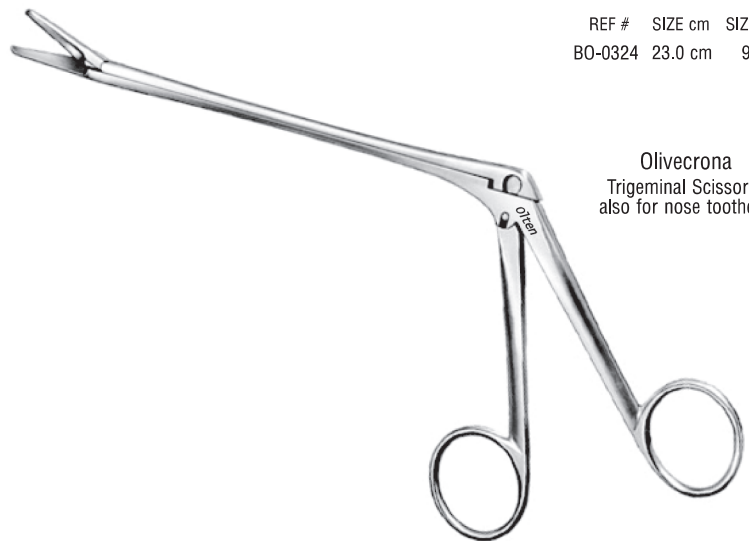
Dissecting Scissors, Trigeminal Scissors, Tonsil Scissors,
Nasal Scissors

Olten
Instruments



Toennis-Adson
Dissecting Scissors
slender pattern

REF #	SIZE cm	SIZE in	SHAPE
BO-0323	17.5 cm	7"	cvd



Olivecrona
Trigeminal Scissors
also for nose toothed

REF #	SIZE cm	SIZE in
BO-0324	23.0 cm	9"



Dean
Tonsil Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0325	17.5 cm	7"	angled upwards
BO-0326	17.5 cm	7"	angled upwards toothed



Good
Tonsil Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0327	19.5 cm	7 $\frac{3}{4}$ "	cvd



Fomon
Nasal Scissors

REF #	SIZE cm	SIZE in
BO-0328	15.0 cm	5"



Cottle
Nasal Scissors

REF #	SIZE cm	SIZE in
BO-0329	16.0 cm	6 $\frac{1}{4}$ "



Heymann
Nasal Scissors

REF #	SIZE cm	SIZE in
BO-0330	18.5 cm	7 $\frac{1}{4}$ "



Heymann
Nasal Scissors
one toothed cutting edge

REF #	SIZE cm	SIZE in
BO-0331	18.5 cm	7 $\frac{1}{4}$ "



GENERAL INSTRUMENTS

SCISSORS

Nasal Scissors, Episiotomy Scissors, Umbilical Scissors,
Gum Scissors

oiten
Instruments



Converse
Nasal Scissors (angled upward)

REF #	SIZE cm	SIZE in	SHAPE
BO-0332	10.5 cm	4 1/4"	srp-srp
BO-0333	10.5 cm	4 1/4"	blt-bl



Waldmann
Episiotomy Scissors
one toothed cutting edge

REF #	SIZE cm	SIZE in
BO-0334	18.0 cm	7"



Braun-Stadler
Episiotomy Scissors

REF #	SIZE cm	SIZE in
BO-0335	14.5 cm	5 1/2"



Braun-Stadler
Episiotomy Scissors

REF #	SIZE cm	SIZE in
BO-0336	22.0 cm	8 3/4"



Modell USA
Umbilical Scissors

REF #	SIZE cm	SIZE in
BO-0337	10.5 cm	4 1/4"



Schuhmacher
Umbilical Scissors

REF #	SIZE cm	SIZE in
BO-0338	16.0 cm	6 1/4"



Busch
Umbilical Scissors

REF #	SIZE cm	SIZE in
BO-0339	16.0 cm	6 1/4"



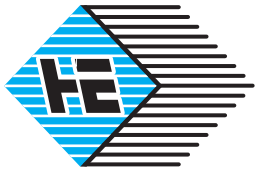
Busch
Umbilical Scissors
one toothed cutting edge

REF #	SIZE cm	SIZE in
BO-0340	16.0 cm	6 1/4"



Goldmann-Fox
Gum Scissors (one toothed cutting edge)

REF #	SIZE cm	SIZE in	SHAPE
BO-0341	13.0 cm	5"	str
BO-0342	13.0 cm	5"	cvd



GENERAL INSTRUMENTS

SCISSORS

Operating Scissors, Gum Scissors, Dissecting Scissors,
Iris Scissors

o1ten
Instruments



Wagner
Operating Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0343	12.0 cm	4¾"	str
BO-0344	12.0 cm	4¾"	cvd



Standard
Operating Scissors (small model)

REF #	SIZE cm	SIZE in	SHAPE
BO-0345	12.0 cm	4¾"	str
BO-0346	12.0 cm	4¾"	cvd
with srp-srp blade edges			
REF #	SIZE cm	SIZE in	SHAPE
BO-0347	12.0 cm	4¾"	str
BO-0348	12.0 cm	4¾"	cvd
with srp-blt blade edges			



La Grange
Gum Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0349	11.5 cm	4½"	S-shape



Standard
Dissecting Scissors (delicate)

REF #	SIZE cm	SIZE in	SHAPE
BO-0350	11.5 cm	4½"	str
BO-0351	11.5 cm	4½"	cvd



Locklin
Gum Scissors
one toothed cutting edge

REF #	SIZE cm	SIZE in
BO-0352	16.0 cm	6¼"



Locklin
Gum Scissors
one toothed cutting edge

REF #	SIZE cm	SIZE in
BO-0353	16.0 cm	6¼"



Standard
Operating Scissors
very delicate

REF #	SIZE cm	SIZE in	SHAPE
BO-0354	09.0 cm	3½"	str
BO-0355	09.0 cm	3½"	cvd



Standard
Iris Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0356	09.0 cm	3½"	str
BO-0357	10.0 cm	4"	str
BO-0358	09.0 cm	3½"	cvd
BO-0359	10.0 cm	4"	cvd



Standard
Iris Scissors (extra flat blades)

REF #	SIZE cm	SIZE in	SHAPE
BO-0360	10.0 cm	4"	str



GENERAL INSTRUMENTS

SCISSORS

Iris Scissors, Tendon Scissors, Steabismus Scissors,
Enucleation Scissors, Micro Scissors

olten
Instruments

REF #	SIZE cm	SIZE in	SHAPE
BO-0361	09.0 cm	3½"	str



Bonn
Iris Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0362	09.0 cm	3½"	cvd



Bonn
Iris Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0363	10.5 cm	4"	str
BO-0364	11.5 cm	4½"	str
BO-0365	10.5 cm	4"	cvd
BO-0366	11.5 cm	4½"	cvd



Standard
Iris Scissors

REF #	SIZE cm	SIZE in
BO-0367	10.5 cm	4¼"

REF #	SIZE cm	SIZE in
BO-0368	11.5 cm	4½"

REF #	SIZE cm	SIZE in	SHAPE
BO-0369	12.5 cm	5"	str
BO-0370	12.5 cm	5"	cvd



Standard
Iris Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0371	11.0 cm	4¼"	str
BO-0372	11.0 cm	4¼"	cvd



Stevens
Tendon Scissors (sharp edges)

REF #	SIZE cm	SIZE in	SHAPE
BO-0373	11.0 cm	4½"	str
BO-0374	11.0 cm	4½"	cvd



Stevens
Tendon Scissors (blunt edges)

REF #	SIZE cm	SIZE in	SHAPE
BO-0375	11.5 cm	4½"	str
BO-0376	11.5 cm	4½"	cvd



Standard
Strabismus Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0377	11.5 cm	4½"	cvd



Standard
Enucleation Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0378	15.0 cm	6"	str
BO-0379	18.0 cm	7"	str
BO-0380	21.0 cm	8¼"	str
BO-0381	23.0 cm	9"	str
BO-0382	15.0 cm	6"	cvd
BO-0383	18.0 cm	7"	cvd
BO-0384	21.0 cm	8¼"	cvd
BO-0385	23.0 cm	9"	cvd



Standard
Micro Scissors (round handle)

blade length 10 mm



GENERAL INSTRUMENTS

SCISSORS Micro Scissors

Olten
Instruments

REF # SIZE cm SIZE in SHAPE
BO-0386 10.0 cm 4" str



Standard
Micro Dissecting Scissors

REF # SIZE cm SIZE in SHAPE
BO-0387 15.0 cm 6" str
BO-0388 18.0 cm 7" str
BO-0389 21.0 cm 8 1/4" str
BO-0390 23.0 cm 9" str

BO-0391 15.0 cm 6" cvd
BO-0392 18.0 cm 7" cvd
BO-0393 21.0 cm 8 1/4" cvd
BO-0394 23.0 cm 9" cvd

blade length 10 mm



Standard
Micro Scissors (flat handle)

REF # SIZE cm SIZE in
BO-0395 10.0 cm 4"



Standard
Micro Dissecting Scissors

REF # SIZE cm SIZE in SHAPE
BO-0396 23.0 cm 9" str
BO-0397 22.5 cm 9" cvd



Jacobson
Micro Scissors

BO-0398 21.0 cm 8 1/4" str
BO-0399 21.0 cm 8 1/4" cvd



Westcott
Strabismus Scissors

REF # SIZE cm SIZE in SHAPE
BO-0400 11.5 cm 4 1/2" str
BO-0401 11.5 cm 4 1/2" cvd



Standard
Micro Scissors

REF # SIZE cm SIZE in SHAPE
BO-0402 18.5 cm 7 1/4" str
BO-0403 18.5 cm 7 1/4" cvd



Standard
Micro Scissors

REF # SIZE cm SIZE in SHAPE
BO-0404 19.0 cm 7 1/2" str
BO-0405 18.5 cm 7 1/2" cvd
BO-0406 18.5 cm 7 1/2" cvd reverse



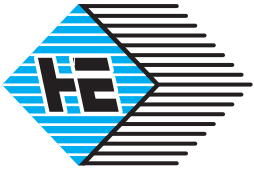
Standard
Micro Scissors

REF # SIZE cm SIZE in SHAPE
BO-0407 12.0 cm 4 3/4" cvd



Standard
Micro Scissors

REF # SIZE cm SIZE in SHAPE
BO-0408 12.0 cm 4 3/4" str



GENERAL INSTRUMENTS

SCISSORS

Micro Scissors, Entrotomy Scissors, Dissecting Scissors

olten
Instruments



Salyer
Enterotomy Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0409	21.5 cm	8½"	str



Salyer
Dissecting Scissors (for Cleft Palate)

REF #	SIZE cm	SIZE in	SHAPE
BO-0410	10.0 cm	4"	cvd



JABOMA
Micro Scissors (for Cleft Palate)

REF #	SIZE cm	SIZE in
BO-0411	18.0 cm	7"

blade length 12 mm



JABOMA
Micro Scissors (for Cleft Palate)

REF #	SIZE cm	SIZE in
BO-0412	18.0 cm	7"

blade length 12 mm



JABOMA
Micro Scissors (for Cleft Palate)

REF #	SIZE cm	SIZE in
BO-0413	18.0 cm	7"

blade length 12 mm



Standard
Micro Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0414	15.5 cm	6"	str
BO-0415	15.5 cm	6"	cvd



Standard
Micro Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0416	15.5 cm	6"	str
BO-0417	15.5 cm	6"	cvd



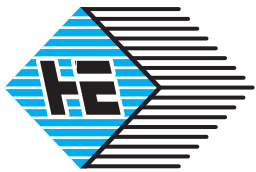
Standard
Enterotomy Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0418	21.5 cm	8½"	str



Salyer
Dissecting Scissors (for cleft Plate)

REF #	SIZE cm	SIZE in	SHAPE
BO-0419	09.0 cm	3¾"	cvd



GENERAL INSTRUMENTS

SCISSORS

Wire Cutting Scissors, Rectal Scissors, Face-Lift Scissors
Stitch Scissors

Olten
Instruments



REF # SIZE cm SIZE in
BO-0420 12.0 cm 4¾"

Universal
Wire Cutting Scissors (toothed)



REF # SIZE cm SIZE in SHAPE
BO-0421 32.5 cm 12¾" cvd

Standard
Rectal Scissors (heavy pattern)



REF # SIZE cm SIZE in SHAPE
BO-0422 10.5 cm 4¼" str
BO-0423 10.5 cm 4¼" cvd

Beebe
Wire Cutting Scissors



REF # SIZE cm SIZE in SHAPE
BO-0426 11.0 cm 4½" cvd

Kaye
Face-lift Scissors (toothed)



REF # SIZE cm SIZE in
BO-0427 13.0 cm 5"

Northbent
Stitch Scissors



REF # SIZE cm SIZE in SHAPE
BO-0428 09.0 cm 3½" str

Spencer
Stitch Scissors



REF # SIZE cm SIZE in SHAPE
BO-0429 11.5 cm 4½" str
BO-0430 13.0 cm 5" str

Spencer
Stitch Scissors



REF # SIZE cm SIZE in SHAPE
BO-0431 14.5 cm 5¾" str
BO-0432 18.0 cm 7" str

Buck
Stitch Scissors



REF # SIZE cm SIZE in SHAPE
BO-0433 14.0 cm 5½" str

Littauer
Stitch Scissors



GENERAL INSTRUMENTS

SCISSORS

Stitch Scissors, Dissecting Scissors

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
BO-0434	12.0 cm	4¾"	str

Eiselsberg
Stitch Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0435	18.0 cm	7"	cvd
BO-0436	20.0 cm	8"	cvd
BO-0437	23.0 cm	9"	cvd

Metzenbaum
Dissecting Scissors
with special cutting edge



REF #	SIZE cm	SIZE in	SHAPE
BO-0438	14.5 cm	5¾"	cvd
BO-0439	18.0 cm	7"	cvd

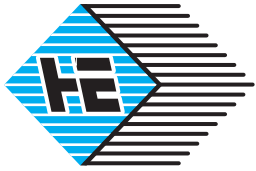
Metzenbaum
Dissecting Scissors
with special cutting edge



REF #	SIZE cm	SIZE in	SHAPE
BO-0440	16.0 cm	6¼"	cvd

(with special cutting edge)

Mayo-Lexer
Dissecting Scissors
slender pattern



GENERAL INSTRUMENTS

SCISSORS

Dissecting Scissors, Nasal Scissors, Operating Scissors,
Stitch Scissors

**Tungsten Carbide
Inserted (TC)**

**Oltten
Instruments**



REF #	SIZE cm	SIZE in	SHAPE
BO-0441	12.5 cm	5"	cvd
BO-0442	18.0 cm	7"	cvd

Salyer
Dissecting Scissors for Cleft Palate
fine pattern



REF #	SIZE cm	SIZE in	SHAPE
BO-0443	12.0 cm	4 3/4"	45° angled

Diethrich-Salyer
Dissecting Scissors (for Cleft Palate)



REF #	SIZE cm	SIZE in
BO-0444	14.5 cm	5 3/4"

Fomon
Nasal Scissors



REF #	SIZE cm	SIZE in
BO-0445	16.0 cm	6 1/4"

Cottle
Nasal Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0446	14.5 cm	5 3/4"	str blt/blt
BO-0447	14.5 cm	5 3/4"	str srp/blt
BO-0448	14.5 cm	5 3/4"	str srp/srp
BO-0449	14.5 cm	5 3/4"	cvd blt/blt
BO-0450	14.5 cm	5 3/4"	cvd srp/blt
BO-0451	14.5 cm	5 3/4"	cvd srp/srp

Standard
Operating Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0452	14.5 cm	5 3/4"	str
BO-0453	17.0 cm	6 3/4"	str
BO-0454	23.0 cm	9"	str
BO-0455	14.5 cm	5 3/4"	cvd
BO-0456	17.0 cm	6 3/4"	cvd
BO-0457	23.0 cm	9"	cvd

Mayo
Operating Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0458	14.5 cm	5 3/4"	str
BO-0459	17.0 cm	6 3/4"	str
BO-0460	14.5 cm	5 3/4"	cvd
BO-0461	17.0 cm	6 3/4"	cvd

Mayo-Stille
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0462	11.5 cm	4 1/2"	str
BO-0463	14.5 cm	5 3/4"	str
BO-0464	11.5 cm	4 1/2"	cvd
BO-0465	14.5 cm	5 3/4"	cvd

Metzenbaum
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0466	14.5 cm	5 3/4"	cvd
BO-0467	18.0 cm	7"	cvd
BO-0468	20.5 cm	8"	cvd
BO-0469	23.0 cm	9"	cvd
BO-0470	25.0 cm	9 3/4"	cvd

Standard
Stitch Scissors

for synthetic suture material
one toothed cutting edge



GENERAL INSTRUMENTS

SCISSORS

Ligature Scissors, Dissecting Scissors
Delicate Dissecting Scissors, Operating Scissors,

Tungsten Carbide
Inserted (TC)

Olten
Instruments



Standard
Ligature Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0471	14.5 cm	5 3/4"	cvd
BO-0472	17.0 cm	6 3/4"	cvd
BO-0473	23.0 cm	9"	cvd

for synthetic suture material
one toothed cutting edge



Lexel
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0474	16.0 cm	6 1/4"	str
BO-0475	21.0 cm	8 1/4"	str
BO-0476	16.0 cm	6 1/2"	cvd
BO-0477	21.0 cm	8 3/4"	cvd



Mayo-Lexel
Dissecting Scissors

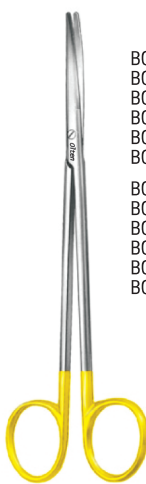
REF #	SIZE cm	SIZE in	SHAPE
BO-0478	16.0 cm	6 1/4"	cvd



Metzenbaum-Fino
Delicate Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0479	18.0 cm	7"	
BO-0480	20.0 cm	8"	

Slender pattern



Metzenbaum-Fino
Delicate Dissecting Scissors
Blunt / Blunt

REF #	SIZE cm	SIZE in	SHAPE
BO-0481	14.5 cm	5 3/4"	str
BO-0482	18.0 cm	7"	str
BO-0483	20.5 cm	8"	str
BO-0484	23.0 cm	9"	str
BO-0485	26.0 cm	10 1/4"	str
BO-0486	28.5 cm	11 1/4"	str
BO-0487	14.5 cm	5 3/4"	cvd
BO-0488	18.0 cm	7"	cvd
BO-0489	20.5 cm	8"	cvd
BO-0490	23.0 cm	9"	cvd
BO-0491	26.0 cm	10 1/4"	cvd
BO-0492	28.5 cm	11 1/4"	cvd



Metzenbaum
Dissecting Scissors (Delicate)

REF #	SIZE cm	SIZE in	SHAPE
BO-0493	18.0 cm	7"	str
BO-0494	20.5 cm	8"	str
BO-0495	23.0 cm	9"	str
BO-0496	26.0 cm	10 1/4"	str
BO-0497	28.5 cm	11 1/4"	str
BO-0498	31.0 cm	12 1/4"	str
BO-0499	18.0 cm	7"	cvd
BO-0500	20.5 cm	8"	cvd
BO-0501	23.0 cm	9"	cvd
BO-0502	26.0 cm	10 1/4"	cvd
BO-0503	28.5 cm	11 1/4"	cvd
BO-0504	31.0 cm	12 1/4"	cvd



Metzenbaum-Fino
Delicate Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0505	14.5 cm	5 3/4"	str
BO-0506	14.5 cm	5 3/4"	cvd



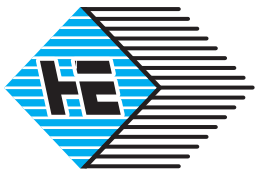
Metzenbaum-Thorek
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0507	20.0 cm	8"	cvd
BO-0508	23.0 cm	9"	cvd
BO-0509	28.0 cm	11"	cvd



Joseph
Operating Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0510	14.5 cm	5 3/4"	str
BO-0511	14.5 cm	5 3/4"	cvd



GENERAL INSTRUMENTS

SCISSORS

Dissecting Scissors, Delicate Dissecting Scissors,
Face-Lift Scissors, Hysterectomy Scissors, Ligature Scissors

**Tungsten Carbide
Inserted (TC)**

**Oltten
Instruments**



REF #	SIZE cm	SIZE in	SHAPE
BO-0512	14.5 cm	5¾"	cvd

Slender pattern

Metzenbaum-Lahey
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0513	17.5 cm	7"	cvd

Slender pattern

Metzenbaum-Lahey
Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0514	20.5 cm	8"	cvd
BO-0515	23.0 cm	9"	cvd

slender pattern

Metzenbaum-Lahey
Delicate Dissecting Scissors



REF #	SIZE cm	SIZE in
BO-0516	18.0 cm	7"
BO-0517	20.5 cm	8"
BO-0518	23.0 cm	9"

slender pattern

Metzenbaum-Fino
Delicate Dissecting Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0519	20.0 cm	8"	str
BO-0520	23.0 cm	9"	str

one toothed cutting edge

Gorney
Face-lift Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0521	17.0 cm	6¾"	cvd

one toothed cutting edge

Rees
Face-lift Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0522	23.0 cm	9"	str
BO-0523	23.0 cm	9"	cvd

Sims
Uterine Scissors



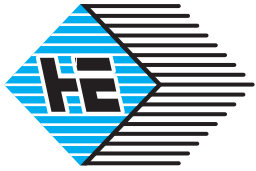
REF #	SIZE cm	SIZE in	SHAPE
BO-0524	22.5 cm	8¾"	cvd
BO-0525	23.0 cm	9"	semi-cvd

Parametrium
Hysterectomy Scissors



REF #	SIZE cm	SIZE in	SHAPE
BO-0526	13.0 cm	5"	str
BO-0527	13.0 cm	5"	cvd

Goldmann-Fox
Ligature Scissors



GENERAL INSTRUMENTS

SCISSORS

Iris Scissors, Angled Scissors, Dissecting Scissors, Gum Scissors
Operating Scissors, Tonsil Scissors, Wire Cutting Scissors

**Tungsten Carbide
Inserted (TC)**

**Olten
Instruments**



Standard
Iris Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0528	11.5 cm	4½"	str
BO-0529	11.5 cm	4½"	cvd



Locklin
Gum Scissors

REF #	SIZE cm	SIZE in
BO-0530	16.0 cm	6¼"

one toothed cutting edge



DeBakey
Angled Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0531	19.0 cm	7½"	25°angled
BO-0532	18.5 cm	7¼"	45°angled
BO-0533	18.0 cm	7"	60°angled

BO-0534	23.0 cm	9"	25°angled
BO-0535	23.0 cm	9"	45°angled
BO-0536	22.0 cm	8¾"	60°angled



Standard
Angled Scissors

REF #	SIZE cm	SIZE in
BO-0537	11.0 cm	4½"



Ragnell
Dissecting Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0538	12.5 cm	5"	cvd



Kelly
Operating Scissors

REF #	SIZE cm	SIZE in	SHAPE
BO-0539	16.0 cm	6¼"	str
BO-0540	16.0 cm	6¼"	cvd



Dean
Tonsil Scissors

REF #	SIZE cm	SIZE in
BO-0541	17.5 cm	7"

one toothed cutting edge
S-shaped



Universal
Wire Cutting Scissors

REF #	SIZE cm	SIZE in
BO-0542	12.5 cm	5"

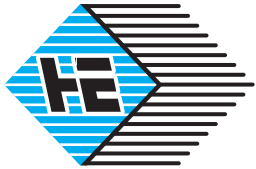
one toothed cutting edge



DRESSING & TISSUE FORCEPS

CO-0592 - to - CO-0805

Olten
Instruments



GENERAL INSTRUMENTS

FORCEPS Dressing Forceps,

Oltten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0592	12.0 cm	4¾"	str
CO-0593	13.0 cm	5"	str
CO-0594	14.5 cm	5¾"	str
CO-0595	16.0 cm	6¼"	str
CO-0596	18.0 cm	7"	str
CO-0597	20.0 cm	8"	str
CO-0598	25.0 cm	9¾"	str
CO-0599	30.5 cm	11¾"	str

Standard
Dressing Forceps (slender pattern)



REF #	SIZE cm	SIZE in	SHAPE
CO-0600	11.0 cm	4½"	str
CO-0601	13.0 cm	5"	str
CO-0602	14.5 cm	5½"	str
CO-0603	16.0 cm	6¼"	str
CO-0604	18.0 cm	7"	str
CO-0605	20.0 cm	8"	str
CO-0606	25.0 cm	10"	str
CO-0607	30.0 cm	12"	str

Standard
Dressing Forceps (slender pattern)



REF #	SIZE cm	SIZE in	SHAPE
CO-0608	13.0 cm	5"	str
CO-0609	14.5 cm	5¾"	str

Standard
Dressing Forceps (slender pattern)



REF #	SIZE cm	SIZE in	SHAPE
CO-0610	15.0 cm	6"	str

Standard
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0611	12.0 cm	4¾"	str

Mini-Adson
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0612	12.0 cm	4¾"	str
CO-0613	15.0 cm	6"	str

Adson
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0614	15.0 cm	6"	str

McIndoe
Dressing Forceps



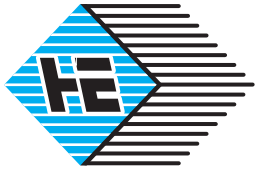
REF #	SIZE cm	SIZE in	SHAPE
CO-0615	20.0 cm	8"	str

Waugh
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0616	12.5 cm	5"	str
CO-0617	15.0 cm	6"	str

Semken
Dressing Forceps



GENERAL INSTRUMENTS

FORCEPS

Dressing Forceps, Dissecting Forceps

oltten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0618	17.0 cm	6¾"	str

Taylor
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0619	17.0 cm	6¾"	str

Taylor
Dressing Forceps (with dissector end)



REF #	SIZE cm	SIZE in	SHAPE
CO-0620	18.5 cm	7¼"	bayonet

Taylor
Dressing Forceps (with dissector end)



REF #	SIZE cm	SIZE in	TIP SIZE	SHAPE
CO-0621	15.5 cm	6"	0.6 mm	str
CO-0622	15.5 cm	6"	0.8 mm	str
CO-0623	15.5 cm	6"	1.0 mm	str

Standard
Micro Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0624	17.5 cm	7"	str
CO-0625	17.5 cm	7"	cvd

Gerald
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0626	17.5 cm	7"	str
CO-0627	17.5 cm	7"	cvd

Cushing
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0628	18.0 cm	7"	str
CO-0629	21.0 cm	8¼"	str
CO-0630	24.5 cm	9¾"	str

Potts-Smith
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0631	15.5 cm	6"	str
CO-0632	17.5 cm	7"	str

1x2 teeth (normal profile)

Semken
Dissecting Forceps



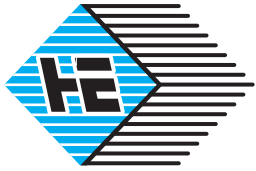
REF #	SIZE cm	SIZE in	SHAPE
CO-0633	15.5 cm	6"	str
CO-0634	17.5 cm	7"	str

1x2 teeth (mini profile)

REF #	SIZE cm	SIZE in	SHAPE
CO-0635	10.5 cm	4"	str
CO-0636	11.5 cm	4½"	str
CO-0637	13.0 cm	5"	str
CO-0638	14.5 cm	5¾"	str
CO-0639	16.0 cm	6¼"	str
CO-0640	18.0 cm	7"	str
CO-0641	20.0 cm	8"	str
CO-0642	23.0 cm	9"	str
CO-0643	25.0 cm	9¾"	str
CO-0644	30.5 cm	12"	str

Standard
Dissecting Forceps (standard pattern)

1x2 teeth



GENERAL INSTRUMENTS

FORCEPS Dissecting Forceps,

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0645	12.0 cm	4¾"	str
CO-0646	13.0 cm	5"	str
CO-0647	14.5 cm	5½"	str
CO-0648	15.5 cm	6"	str
CO-0649	18.0 cm	7"	str
CO-0650	20.0 cm	8"	str
CO-0651	24.5 cm	9¾"	str

2x3 teeth

Standard
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0652	14.5 cm	5¾"	str
CO-0653	16.0 cm	6¼"	str

3x4 teeth

Standard
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0654	14.5 cm	5¾"	str
CO-0655	16.0 cm	6¼"	str

4x5 teeth

Standard
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0656	13.0 cm	5"	str
CO-0657	14.5 cm	5¾"	str
CO-0658	16.0 cm	6¼"	str
CO-0659	20.0 cm	8"	str

1x2 teeth

Standard
Dissecting Forceps (slender pattern)



REF #	SIZE cm	SIZE in	SHAPE
CO-0660	13.0 cm	5"	str
CO-0661	14.5 cm	5½"	str

1x2 teeth

Standard
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0662	15.0 cm	6"	str

1x2 teeth

Stille
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0663	15.0 cm	6"	str

2x3 teeth

Stille
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0664	15.0 cm	6"	str

4x5 teeth

Stone
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0665	15.0 cm	6"	str

5x6 teeth

Lerche
Dissecting Forceps



GENERAL INSTRUMENTS

FORCEPS

Dissecting Forceps, Micro Dissecting Forceps

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0666	15.5 cm	6"	str
CO-0667	20.5 cm	8"	str

2x3 teeth

CO-0668	16.0 cm	6¼"	str
CO-0669	20.0 cm	8"	str
CO-0670	25.0 cm	9¾"	str

4x5 teeth

Adlerkreutz
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0671	12.0 cm	4¾"	str
CO-0672	15.0 cm	6"	str

1x2 teeth

Adson
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0673	15.5 cm	6"	str

1x2 teeth

Gillies
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0674	20.5 cm	8"	str

1x2 teeth

Waugh
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0675	12.5 cm	5"	str
CO-0676	15.0 cm	6"	str

1x2 teeth

Semken
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0677	17.5 cm	7"	str

1x2 teeth

Taylor
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0678	17.0 cm	6¾"	str

1x2 teeth

Taylor
Dissecting Forceps (with dissector end)



REF #	SIZE cm	SIZE in	SHAPE
CO-0679	18.5 cm	7¼"	bayonet

1x2 teeth

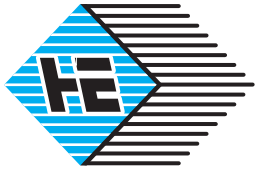
Taylor
Dissecting Forceps (with dissector end)



REF #	SIZE cm	SIZE in	TIP SIZE	SHAPE
CO-0680	15.5 cm	6"	0.6 mm	str
CO-0681	15.5 cm	6"	0.8 mm	str
CO-0682	15.5 cm	6"	1.0 mm	str

1x2 teeth

Standard
Micro Dissecting Forceps



GENERAL INSTRUMENTS

FORCEPS

Dissecting Forceps, Dressing Forceps

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0683	17.5 cm	7"	str

1x2 teeth

Gerald
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0684	18.0 cm	7"	str

1x2 teeth

Cushing
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0685	18.0 cm	7 1/4"	str
CO-0686	21.0 cm	8 1/4"	str
CO-0687	24.0 cm	9 1/2"	str

1x2 teeth

Potts-Smith
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0688	20.0 cm	8"	str

Rees
Dressing Forceps for coagulation



REF #	SIZE cm	SIZE in	SHAPE
CO-0689	12.0 cm	5"	str

7x7 teeth

Adson Brown
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0690	12.0 cm	4 3/4"	str

1x2 teeth

Mini-Adson
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0691	12.0 cm	4 3/4"	cvd

1x2 teeth

Mini-Adson
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0692	12.0 cm	4 3/4"	str
CO-0693	15.0 cm	6"	str

Micro-Adson
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0694	12.0 cm	4 3/4"	str
CO-0695	15.0 cm	6"	str

1x2 teeth

Micro-Adson
Dissecting Forceps



GENERAL INSTRUMENTS

FORCEPS

Dissecting Forceps, Jeweler Type Forceps

Oltén
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0696	10.5 cm	4"	str

1x2 teeth

Standard
Dissecting Forceps (very fine teeth)



REF #	SIZE cm	SIZE in	SHAPE
CO-0697	12.0 cm	4¾"	cvd

Standard
Jeweler Type Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0698	12.0 cm	4¾"	str

Standard
Jeweler Type Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0699	12.0 cm	4¾"	str

Standard
Jeweler Type Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0700	11.0 cm	4¾"	str

Standard
Jeweler Type Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0701	11.0 cm	4¾"	str

Standard
Jeweler Type Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0702	15.0 cm	6"	str
CO-0703	18.0 cm	7"	str
CO-0704	20.0 cm	8"	str
CO-0705	23.0 cm	9"	str
CO-0706	25.5 cm	10"	str

Russ. Modell
Dissecting Forceps



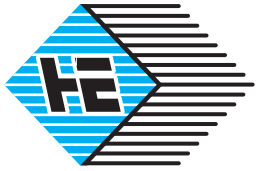
REF #	SIZE cm	SIZE in	SHAPE
CO-0707	14.5 cm	5¾"	str
CO-0708	16.0 cm	6¼"	str
CO-0709	20.5 cm	8"	str

Durante
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0710	18.0 cm	7"	str

Stille-Barraya
Dissecting Forceps



GENERAL INSTRUMENTS

FORCEPS

Dissecting Forceps, Tubal Forceps, Delicate Pattern,
Micro Dressing & Dissecting Forceps, Splinter Forceps

oltten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0711	17.5 cm	7"	str

1x2 teeth

Bonney
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0712	23.0 cm	9"	str

Mayo
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0713	18.0 cm	7"	str
CO-0714	23.0 cm	9"	str

Singley-Tuttle
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0715	23.0 cm	9"	str

Nelson
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0716	18.5 cm	7½"	str

Hepp-Scheidel
Tubal Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0717	10.0 cm	4"	Fig.1
CO-0718	10.0 cm	4"	Fig.2
CO-0719	09.5 cm	3¾"	Fig.3

Dressing Forceps

CO-0720	10.0 cm	4"	Fig.1
CO-0721	10.0 cm	4"	Fig.2
CO-0722	09.5 cm	3¾"	Fig.3

Dissecting Forceps (1x2 teeth)



str
Fig.1



semi-cvd
Fig.2



cvd
Fig.3

Standard
delicate pattern



REF #	SIZE cm	SIZE in	SHAPE
CO-0723	15.0 cm	6"	str
CO-0724	18.0 cm	7"	str
CO-0725	15.0 cm	6"	cvd
CO-0726	18.0 cm	7"	cvd

tip 6.0 x 0.4 mm

CO-0727	15.0 cm	6"	str
CO-0728	18.0 cm	7"	str
CO-0729	21.0 cm	8½"	str
CO-0730	23.0 cm	9"	str
CO-0731	15.0 cm	6"	cvd
CO-0732	18.0 cm	7"	cvd
CO-0733	21.0 cm	8½"	cvd
CO-0734	23.0 cm	9"	cvd

tip 6.0 x 0.7 mm

Standard
Micro Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0735	15.0 cm	6"	str
CO-0736	18.0 cm	7"	str
CO-0737	15.0 cm	6"	cvd
CO-0738	18.0 cm	7"	cvd

tip 6.0 x 0.4 mm
1x2 teeth

CO-0739	15.0 cm	6"	str
CO-0740	18.0 cm	7"	str
CO-0741	21.0 cm	8½"	str
CO-0742	23.0 cm	9"	str
CO-0743	15.0 cm	6"	cvd
CO-0744	18.0 cm	7"	cvd
CO-0745	21.0 cm	8½"	cvd
CO-0746	23.0 cm	9"	cvd

tip 6.0 x 0.7 mm
1x2 teeth

Standard
Micro Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0747	12.5 cm	5"	str

Standard
Splinter Forceps (smooth jaw)



GENERAL INSTRUMENTS

FORCEPS

Splinter Forceps, Micro Tying Forceps, Microscopic Forceps

Oltten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0748	12.5 cm	5"	cvd

Standard
Splinter Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0749	12.5 cm	5"	str

Standard
Splinter Forceps (serrated jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0750	12.5 cm	5"	cvd

Standard
Splinter Forceps (serrated jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0751	15.5 cm	6"	bayonet

Standard
Micro Tying Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0752	07.5 cm	3"	str
CO-0753	09.0 cm	3½"	str
CO-0754	11.5 cm	4½"	str

Feilchenfeld
Splinter Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0755	10.5 cm	4"	str
CO-0756	10.5 cm	4"	cvd

Hunter
Splinter Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0757	10.0 cm	4"	cvd

Standard
Microscopic Forceps (super light, blunt)



REF #	SIZE cm	SIZE in	SHAPE
CO-0758	10.0 cm	4"	cvd

Standard
Microscopic Forceps (super light, pointed)



REF #	SIZE cm	SIZE in	SHAPE
CO-0759	09.5 cm	3¾"	cvd

Shaaf
Splinter Forceps



GENERAL INSTRUMENTS

FORCEPS

Celia Forceps, Splinter Forceps

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0760	08.5 cm	3 1/4"	str

Littauer
Celia Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0761	08.5 cm	3 1/4"	str

Standard
Celia Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0762	09.0 cm	3 1/2"	str

Douglas
Celia Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0763	09.0 cm	3 1/2"	str

Douglas
Celia Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0764	09.0 cm	3 1/2"	str

Beer
Celia Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0765	10.5 cm	4"	cvd

Barraquer
Celia Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0766	14.0 cm	5 1/2"	str
CO-0767	13.5 cm	5 1/4"	cvd

Stieglitz
Splinter Forceps



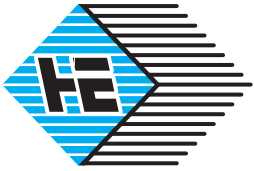
REF #	SIZE cm	SIZE in	SHAPE
CO-0768	12.5 cm	5"	cvd

Peet
Splinter Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0769	15.0 cm	6"	str
CO-0770	15.0 cm	6"	cvd

Ralk
Splinter Forceps



GENERAL INSTRUMENTS

FORCEPS

Dissecting Forceps, Dressing Forceps

**Tungsten Carbide
Inserted (TC)**

**Olten
Instruments**



REF #	SIZE cm	SIZE in	SHAPE
CO-0771	17.5 cm	7"	str

1x2 teeth

Bonney
Dissecting Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0772	17.5 cm	7"	str

1x2 teeth

Gerald
Dissecting Forceps (mini profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0773	15.5 cm	6"	str

1x2 teeth

Gillies
Dissecting Forceps (mini profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0774	15.0 cm	6"	str

McIndoe
Dressing Forceps (mini profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0775	12.0 cm	4¾"	str

7x7 teeth

Adson-Brown
Dissecting Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0776	12.0 cm	4¾"	str
CO-0777	15.0 cm	6"	str

1x2 teeth

Adson
Dissecting Forceps (mini profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0778	12.0 cm	4¾"	str
CO-0779	15.0 cm	6"	str

Adson
Dressing Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0780	12.0 cm	4¾"	str
CO-0781	15.0 cm	6"	str

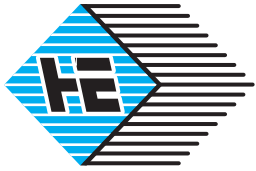
1x2 teeth

Adson
Dressing Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0782	17.5 cm	7"	str

Cushing
Dressing Forceps (normal profile)



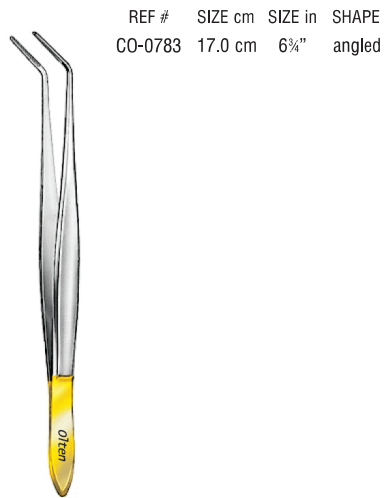
GENERAL INSTRUMENTS

FORCEPS

Dressing Forceps, Dissecting Forceps, Atraumatic

**Tungsten Carbide
Inserted (TC)**

**oltten
Instruments**



REF #	SIZE cm	SIZE in	SHAPE
CO-0783	17.0 cm	6 3/4"	angled

Cushing
Dressing Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0784	18.5 cm	7 1/4"	bayonet

Cushing-Taylor
Dressing Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0785	16.0 cm	6 1/4"	str
CO-0786	18.5 cm	7 1/4"	str
CO-0787	20.0 cm	8"	str
CO-0788	23.0 cm	9"	str
CO-0789	25.0 cm	9 3/4"	str

Potts-Smith
Dressing Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0790	14.5 cm	5 3/4"	str
CO-0791	16.0 cm	6 1/4"	str
CO-0792	18.0 cm	7"	str
CO-0793	20.0 cm	8"	str
CO-0794	25.0 cm	9 3/4"	str

1x2 teeth

Oehler
Dissecting Forceps (normal profile)



REF #	SIZE cm	SIZE in	SHAPE
CO-0795	15.0 cm	6"	str
CO-0796	23.0 cm	9"	str

Wangenstein
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0797	16.0 cm	6 1/4"	str
CO-0798	20.0 cm	8"	str
CO-0799	24.5 cm	9 3/4"	str

micro profile, 1.6 mm Tip

CO-0800	16.0 cm	6 1/4"	str
CO-0801	20.0 cm	8"	str
CO-0802	24.5 cm	9 3/4"	str

mini profile, 2.0 mm Tip

DeBakey
Atraumatic Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0803	18.0 cm	7"	str

Jaboma
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0804	18.0 cm	7"	str

1x2 teeth

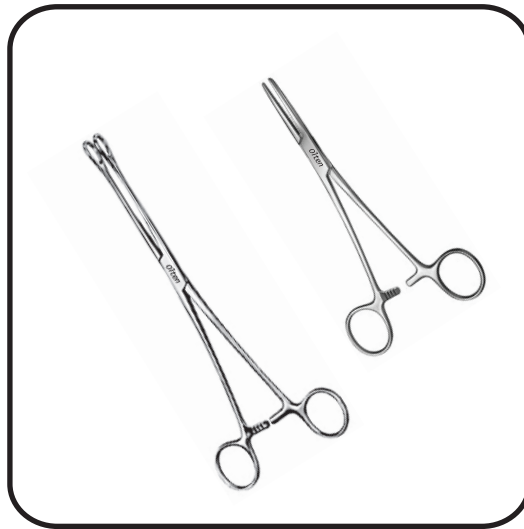
Jaboma
Dissecting Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0805	18.0 cm	7"	angled

1x2 teeth

Jaboma
Dissecting Forceps



HEMOSTATIC AND SPONGE FORCEPS

DO-0855 - to - DO-1230

Olten
Instruments



GENERAL INSTRUMENTS

FORCEPS

Haemostatic Forceps, Organ Grasping Forceps,
Tumor Grasping Forceps

Olten
Instruments



Pean
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0855	14.5 cm	5 3/4"	str
DO-0856	16.0 cm	6 1/4"	str



Spencer-Wells
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0857	13.0 cm	5"	str
DO-0858	14.0 cm	5 1/2"	str
DO-0859	15.5 cm	6"	str
DO-0860	18.5 cm	7 1/4"	str
DO-0861	20.0 cm	8"	str
DO-0862	13.0 cm	5"	cvd
DO-0863	14.0 cm	5 1/2"	cvd
DO-0864	15.5 cm	6"	cvd
DO-0865	18.5 cm	7 1/4"	cvd
DO-0866	20.0 cm	8"	cvd



Chaput
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0867	12.5 cm	5"	str

2:3 teeth



Tuffier
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0868	12.5 cm	5"	str

4:5 teeth



Standard
Organ Grasping Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0869	25.0 cm	9 3/4"	str
DO-0870	26.0 cm	10 1/4"	str



Collin
Organ Grasping Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0871	14.0 cm	5 1/2"	str



Collin
Tumor Grasping Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0872	17.0 cm	6 3/4"	str



Pennington
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0873	15.5 cm	6"	str
DO-0874	21.0 cm	8 1/4"	str



Pratt
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0875	15.0 cm	6"	str



GENERAL INSTRUMENTS

FORCEPS

Face-Lift Forceps, Ligature Forceps, Dissecting Forceps,
Haemostatic Forceps

Olten
Instruments



Standard
Ligature Forceps (smooth jaw)

REF #	SIZE cm	SIZE in	SHAPE
DO-0876	12.5 cm	5"	str



Mixer-Baby
Dissecting Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0877	13.5 cm	5 1/4"	Fig.1



Standard
Ligature Forceps
cross serrated jaw

REF #	SIZE cm	SIZE in	SHAPE
DO-0878	12.5 cm	5"	cvd



Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0879	10.0 cm	4"	str
DO-0880	10.0 cm	4"	cvd



Martel-Rees
Face-lift Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0881	13.5 cm	5 1/4"	str



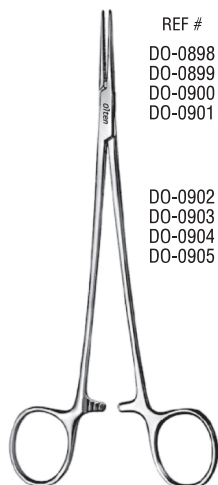
Halsted-Mosquito
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0882	10.0 cm	4"	str
DO-0883	11.5 cm	4 1/2"	str
DO-0884	12.5 cm	5"	str
DO-0885	14.5 cm	5 1/2"	str
DO-0886	10.0 cm	4"	cvd
DO-0887	11.5 cm	4 1/2"	cvd
DO-0888	12.5 cm	5"	cvd
DO-0889	14.5 cm	5 1/2"	cvd

With out teeth

REF #	SIZE cm	SIZE in	SHAPE
DO-0890	10.0 cm	4"	str
DO-0891	11.5 cm	4 1/2"	str
DO-0892	12.5 cm	5"	str
DO-0893	14.5 cm	5 1/2"	str
DO-0894	10.0 cm	4"	cvd
DO-0895	11.5 cm	4 1/2"	cvd
DO-0896	12.5 cm	5"	cvd
DO-0897	14.5 cm	5 1/2"	cvd

1x2 teeth



Halsted-Mosquito
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0898	18.0 cm	7"	str
DO-0899	21.0 cm	8 1/4"	str
DO-0900	18.0 cm	7"	cvd
DO-0901	21.0 cm	8 1/4"	cvd

With out teeth

REF #	SIZE cm	SIZE in	SHAPE
DO-0902	18.0 cm	7"	str
DO-0903	21.0 cm	8 1/4"	str
DO-0904	18.0 cm	7"	cvd
DO-0905	21.0 cm	8 1/4"	cvd

1x2 teeth



Micro-Mosquito
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0906	10.0 cm	4"	str
DO-0907	11.5 cm	4 1/2"	str
DO-0908	12.5 cm	5"	str
DO-0909	10.0 cm	4"	cvd
DO-0910	11.5 cm	4 1/2"	cvd
DO-0911	12.5 cm	5"	cvd

With out teeth

REF #	SIZE cm	SIZE in	SHAPE
DO-0912	10.0 cm	4"	str
DO-0913	11.5 cm	4 1/2"	str
DO-0914	12.5 cm	5"	str
DO-0915	10.0 cm	4"	cvd
DO-0916	11.5 cm	4 1/2"	cvd
DO-0917	12.5 cm	5"	cvd

1x2 teeth



Providence-Hospital
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0918	14.0 cm	5 1/2"	str
DO-0919	14.0 cm	5 1/2"	cvd



GENERAL INSTRUMENTS

FORCEPS

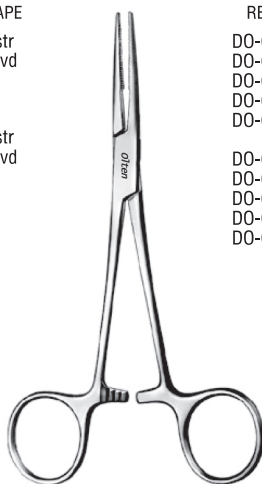
Haemostatic Forceps,

olten
Instruments



Leriche
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0920	15.0 cm	6"	str
DO-0921	15.0 cm	6"	cvd
With out teeth			
DO-0922	15.0 cm	6"	str
DO-0923	15.0 cm	6"	cvd
1x2 teeth			



Kelly
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0924	14.5 cm	5½"	str
DO-0925	16.0 cm	6¼"	str
DO-0926	18.0 cm	7"	str
DO-0927	19.0 cm	7½"	str
DO-0928	20.5 cm	8"	str
DO-0929	14.0 cm	5½"	cvd
DO-0930	16.0 cm	6¼"	cvd
DO-0931	18.0 cm	7"	cvd
DO-0932	19.0 cm	7½"	cvd
DO-0933	20.5 cm	8"	cvd



Kelly-Rankin
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0934	16.0 cm	6¼"	str
DO-0935	16.0 cm	6¼"	cvd



Overholt-Baby
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0936	14.0 cm	5½"	cvd



Crile
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0937	14.0 cm	5½"	str
DO-0938	14.0 cm	5½"	cvd
With out teeth			
DO-0939	14.0 cm	5½"	str
DO-0940	14.0 cm	5½"	cvd
1x2 teeth			



Crile-Rankin
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0941	16.0 cm	6¼"	str
DO-0942	16.0 cm	6¼"	cvd



Lovelace
Haemostatic Forceps (cross serrated)

REF #	SIZE cm	SIZE in	SHAPE
DO-0943	16.0 cm	6¼"	str
With out teeth			
DO-0944	16.0 cm	6¼"	str
1x2 teeth			



Dandy-Mosquito
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0945	12.0 cm	4¾"	laterally curved



Dandy
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0946	14.0 cm	5½"	laterally curved
With out teeth			
DO-0947	14.0 cm	5½"	laterally curved
1x2 teeth			



GENERAL INSTRUMENTS

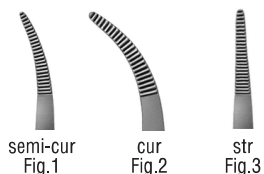
FORCEPS

Dissecting & Ligature Forceps, Haemostatic Forceps

olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
DO-0948	19.0 cm	7½"	Fig.1
DO-0949	19.0 cm	7½"	Fig.2
DO-0950	19.0 cm	7½"	Fig.3



Schnidt
Dissecting and Ligature Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-0951	19.0 cm	7½"	str
DO-0952	18.5 cm	7¼"	cvd

Adson
Dissecting and Ligature Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-0953	20.5 cm	8"	cvd

Dissecting and Ligature Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-0954	16.0 cm	6¼"	str
DO-0955	20.0 cm	8"	str
DO-0956	16.0 cm	6¼"	cvd
DO-0957	20.0 cm	8"	cvd



Rochester-Carmalt
Haemostatic Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-0958	13.0 cm	5"	str
DO-0959	14.0 cm	5½"	str
DO-0960	16.0 cm	6¼"	str
DO-0961	13.0 cm	5"	cvd
DO-0962	14.0 cm	5½"	cvd
DO-0963	16.0 cm	6¼"	cvd

Pean
Haemostatic Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-0964	13.0 cm	5"	str
DO-0965	14.0 cm	5½"	str
DO-0966	16.0 cm	6¼"	str

DO-0967	13.0 cm	5"	cvd
DO-0968	14.0 cm	5½"	cvd
DO-0969	16.0 cm	6¼"	cvd

1x2 teeth

Kocher
Haemostatic Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-0970	14.5 cm	5¾"	str
DO-0971	16.0 cm	6¼"	str
DO-0972	18.0 cm	7"	str
DO-0973	14.5 cm	5¾"	cvd
DO-0974	16.0 cm	6¼"	cvd
DO-0975	18.0 cm	7"	cvd

Pean-Nippon
Haemostatic Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-0976	14.5 cm	5¾"	str
DO-0977	16.0 cm	6¼"	str
DO-0978	18.0 cm	7"	str

DO-0979	14.5 cm	5¾"	cvd
DO-0980	16.0 cm	6¼"	cvd
DO-0981	18.0 cm	7"	cvd

1x2 teeth

Kocher-Nippon
Haemostatic Forceps



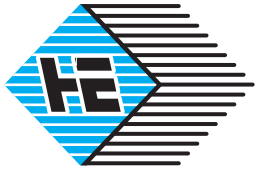
REF #	SIZE cm	SIZE in	SHAPE
DO-0982	20.0 cm	8"	str
DO-0983	26.0 cm	10¼"	str
DO-0984	20.0 cm	8"	cvd
DO-0985	26.0 cm	10¼"	cvd

With out teeth

DO-0986	20.0 cm	8"	str
DO-0987	26.0 cm	10¼"	str
DO-0988	20.0 cm	8"	cvd
DO-0989	26.0 cm	10¼"	cvd

1x2 teeth

Bengolea
Haemostatic Forceps



GENERAL INSTRUMENTS

FORCEPS

Haemostatic Forceps, Dissecting & Ligature Forceps

oltten
Instruments



Pean (Rochester)
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-0990	14.0 cm	5½"	str
DO-0991	16.0 cm	6¼"	str
DO-0992	18.0 cm	7"	str
DO-0993	20.0 cm	8"	str
DO-0994	22.0 cm	8¾"	str
DO-0995	24.0 cm	9½"	str
DO-0996	26.0 cm	10¼"	str
DO-0997	30.0 cm	12"	str
DO-0998	14.0 cm	5½"	cvd
DO-0999	16.0 cm	6¼"	cvd
DO-1000	18.0 cm	7"	cvd
DO-1001	20.0 cm	8"	cvd
DO-1002	22.0 cm	8¾"	cvd
DO-1003	24.0 cm	9½"	cvd
DO-1004	26.0 cm	10¼"	cvd
DO-1005	30.0 cm	12"	cvd



Kocher (Ochsner)
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1006	14.0 cm	5½"	str
DO-1007	16.0 cm	6¼"	str
DO-1008	18.0 cm	7"	str
DO-1009	20.0 cm	8"	str
DO-1010	22.0 cm	8¾"	str
DO-1011	24.0 cm	9½"	str
DO-1012	26.0 cm	10¼"	str
DO-1013	30.0 cm	12"	str
DO-1014	14.0 cm	5½"	cvd
DO-1015	16.0 cm	6¼"	cvd
DO-1016	18.0 cm	7"	cvd
DO-1017	20.0 cm	8"	cvd
DO-1018	22.0 cm	8¾"	cvd
DO-1019	24.0 cm	9½"	cvd
DO-1020	26.0 cm	10¼"	cvd
DO-1021	30.0 cm	12"	cvd

1x2 teeth



Mixer-Baby
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1022	18.5 cm	7¼"	cvd



Mixer-Baby
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1023	18.5 cm	7¼"	cvd



Adson-Baby
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1024	14.5 cm	5½"	cvd
DO-1025	18.0 cm	7"	cvd



cvd
Fig.1



cvd
Fig.2



Heiss
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1026	20.0 cm	8"	Fig.1
DO-1027	20.0 cm	8"	Fig.2
DO-1028	20.0 cm	8"	Fig.3



str
Fig.1



semi-cvd
Fig.2



cvd
Fig.3



Overholt-Mixer
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1029	21.5 cm	8½"	cvd



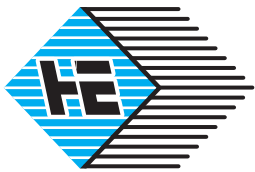
Mixer
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in
DO-1030	14.0 cm	5½"
DO-1031	18.0 cm	7¼"
DO-1032	20.0 cm	8"
DO-1033	23.0 cm	9"



Sarot
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1034	24.0 cm	9½"	str
DO-1035	24.0 cm	9½"	cvd



GENERAL INSTRUMENTS

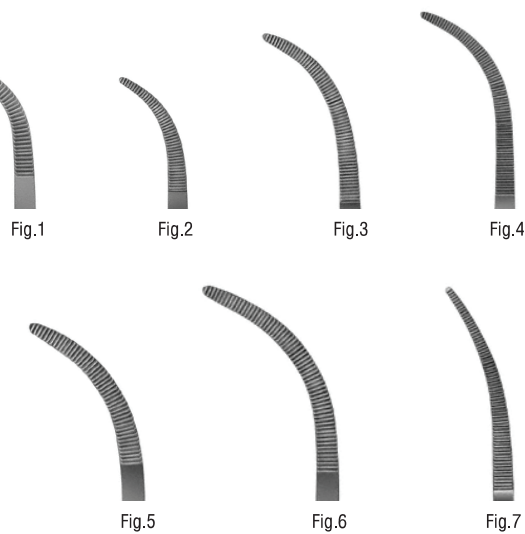
FORCEPS

Haemostatic Forceps, Dissecting & Ligature Forceps

olten
Instruments



Overholt-Geissendorfer
Haemostatic Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1036	21.0 cm	8½"	Fig.1
DO-1037	21.0 cm	8½"	Fig.2
DO-1038	21.0 cm	8½"	Fig.3
DO-1039	21.0 cm	8½"	Fig.4
DO-1040	21.0 cm	8½"	Fig.5
DO-1041	21.0 cm	8½"	Fig.6
DO-1042	21.0 cm	8½"	Fig.7
DO-1043	27.0 cm	10¾"	Fig.1
DO-1044	27.0 cm	10¾"	Fig.2
DO-1045	27.0 cm	10¾"	Fig.3
DO-1046	27.0 cm	10¾"	Fig.4
DO-1047	27.0 cm	10¾"	Fig.5
DO-1048	27.0 cm	10¾"	Fig.6
DO-1049	27.0 cm	10¾"	Fig.7



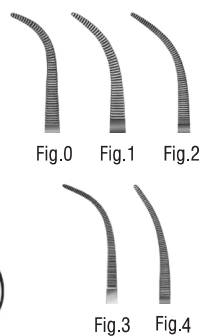
Crafoord
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1050	18.0 cm	7"	cvd
DO-1051	24.5 cm	9¾"	cvd



Overholt-Fino
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1052	21.5 cm	8½"	Fig.0
DO-1053	21.0 cm	8½"	Fig.1
DO-1054	22.0 cm	8½"	Fig.2
DO-1055	23.0 cm	9"	Fig.3
DO-1056	22.5 cm	8¾"	Fig.4



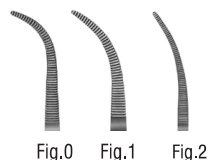
Gemini
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1057	13.0 cm	5"	cvd
DO-1058	16.0 cm	6¼"	cvd
DO-1059	18.0 cm	7"	cvd
DO-1060	21.0 cm	8¼"	cvd
DO-1061	23.0 cm	9"	cvd
DO-1062	25.0 cm	9¾"	cvd
DO-1063	28.0 cm	11"	cvd



Overholt
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1064	29.5 cm	11½"	Fig.0
DO-1065	29.5 cm	11½"	Fig.1
DO-1066	30.0 cm	11¾"	Fig.2



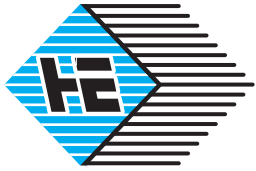
Gross-Maier
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1067	22.0 cm	8¾"	str
DO-1068	22.0 cm	8¾"	cvd



Mini-Gimini
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1069	18.0 cm	7"	cvd
DO-1070	22.5 cm	8¾"	cvd
DO-1071	25.0 cm	9¾"	cvd
DO-1072	28.5 cm	11¼"	cvd



GENERAL INSTRUMENTS

FORCEPS

Celia Forceps, Splinter Forceps

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
CO-0760	08.5 cm	3 1/4"	str

Littauer
Celia Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0761	08.5 cm	3 1/4"	str

Standard
Celia Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0762	09.0 cm	3 1/2"	str

Douglas
Celia Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0763	09.0 cm	3 1/2"	str

Douglas
Celia Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0764	09.0 cm	3 1/2"	str

Beer
Celia Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0765	10.5 cm	4"	cvd

Barraquer
Celia Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
CO-0766	14.0 cm	5 1/2"	str
CO-0767	13.5 cm	5 1/4"	cvd

Stieglitz
Splinter Forceps



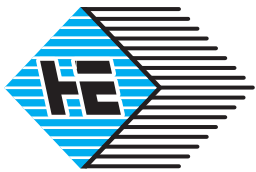
REF #	SIZE cm	SIZE in	SHAPE
CO-0768	12.5 cm	5"	cvd

Peet
Splinter Forceps



REF #	SIZE cm	SIZE in	SHAPE
CO-0769	15.0 cm	6"	str
CO-0770	15.0 cm	6"	cvd

Ralk
Splinter Forceps



GENERAL INSTRUMENTS

FORCEPS

Dissecting & Ligature Forceps, Bile Duct Clamp,
Tangential Forceps, Kidney Pedicle Clamp

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
DO-1090	23.5 cm	9 1/4"	cvd

Mc Quigg-Mixer
Dissecting and Ligature Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1091	18.5 cm	7 1/4"	cvd

Lower
Dissecting and Ligature Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1092	24.0 cm	9 1/2"	cvd

Finochietto
Dissecting and Ligature Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1093	19.5 cm	7 3/4"	cvd
DO-1094	22.5 cm	8 3/4"	cvd

Lahey
Duct Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1095	21.0 cm	8 1/4"	cvd

Desjardins
Duct Clamp



REF #	SIZE cm	SIZE in
DO-1096	25.0 cm	9 3/4"
DO-1097	27.0 cm	10 3/4"

Gall

Gall

Uro-Tangential
Tangential Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1098	23.0 cm	9"	cvd
DO-1099	24.0 cm	9 1/2"	cvd

Guyon
Kidney Pedicle Clamp



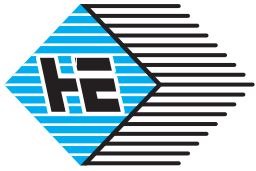
REF #	SIZE cm	SIZE in	SHAPE
DO-1100	19.5 cm	7 3/4"	cvd
DO-1101	21.5 cm	8 3/4"	cvd
DO-1102	24.0 cm	9 1/2"	cvd

Guyon
Kidney Pedicle Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1103	24.0 cm	9 1/2"	cvd

Guyon
Kidney Pedicle Clamp



GENERAL INSTRUMENTS

FORCEPS

Dissecting & Ligature Forceps, Haemostatic Forceps
Hysterectomy Forceps, Vaginal Clamp

olten
Instruments

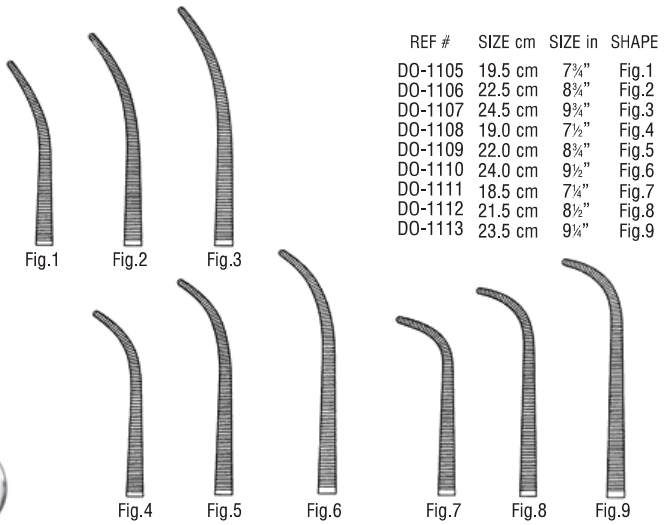


REF #	SIZE cm	SIZE in	SHAPE
DO-1104	28.0 cm	11"	cvd

Lawrence
Dissecting and Ligature Forceps



Kelly
Dissecting and Ligature Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1105	19.5 cm	7¾"	Fig.1
DO-1106	22.5 cm	8¾"	Fig.2
DO-1107	24.5 cm	9¾"	Fig.3
DO-1108	19.0 cm	7½"	Fig.4
DO-1109	22.0 cm	8¾"	Fig.5
DO-1110	24.0 cm	9½"	Fig.6
DO-1111	18.5 cm	7¼"	Fig.7
DO-1112	21.5 cm	8½"	Fig.8
DO-1113	23.5 cm	9¼"	Fig.9



Roberts
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1114	22.5 cm	8¾"	str
DO-1115	21.5 cm	8½"	cvd



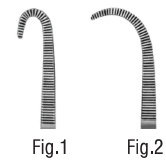
Meeker
Dissecting and Ligature Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1116	28.0 cm	11"	cvd



Negus
Haemostatic Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1117	19.5 cm	7¾"	Fig.1
DO-1118	20.0 cm	8"	Fig.2



Phaneuf
Hysterectomy Forceps

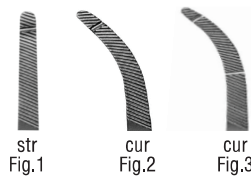
REF #	SIZE cm	SIZE in	SHAPE
DO-1119	20.5 cm	8"	str
DO-1120	20.0 cm	8"	60° angled

1x2 teeth



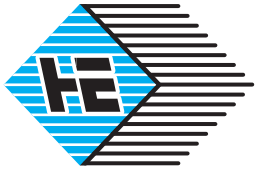
Heaney
Hysterectomy Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1121	19.5 cm	7¾"	Fig.1
DO-1122	21.5 cm	8½"	Fig.1
DO-1123	24.0 cm	9½"	Fig.1
DO-1124	19.5 cm	7¾"	Fig.2
DO-1125	21.5 cm	8½"	Fig.2
DO-1126	24.0 cm	9½"	Fig.2
DO-1127	19.5 cm	7¾"	Fig.3
DO-1128	21.5 cm	8½"	Fig.3
DO-1129	24.0 cm	9½"	Fig.3



Wertheim-Cullen
Vaginal Clamp

REF #	SIZE cm	SIZE in	SHAPE
DO-1130	21.0 cm	8¾"	cvd



GENERAL INSTRUMENTS

FORCEPS

Hysterectomy Forceps, Peritoneum Forceps

olten
Instruments



Rogers
Hysterectomy Forceps

Fig.1



Fig.2



Fig.3

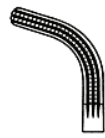


Fig.4



Fig.5



Fig.6



Fig.7

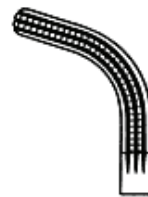


Fig.8

REF #	SIZE cm	SIZE in	SHAPE
DO-1131	21.5 cm	8½"	Fig.1
DO-1132	21.0 cm	8¼"	Fig.2
DO-1133	20.5 cm	8"	Fig.3
DO-1134	20.0 cm	8"	Fig.4
DO-1135	25.5 cm	10"	Fig.5
DO-1136	25.0 cm	9¾"	Fig.6
DO-1137	24.5 cm	9¾"	Fig.7
DO-1138	23.0 cm	9"	Fig.8



Moynihan
Hysterectomy Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1139	23.0 cm	9"	cvd



Moynihan
Hysterectomy Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1140	23.5 cm	9¼"	cvd



Wertheim
Hysterectomy Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1141	26.0 cm	10¼"	cvd



Wertheim
Hysterectomy Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1142	22.5 cm	8¾"	Fig.1
DO-1143	22.5 cm	8¾"	Fig.2



semi-cur
Fig.1
1x2 teeth



cur
Fig.2
1x2 teeth



Mikulicz, Baby
Peritoneum Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1144	14.5 cm	5¾"	cvd

1x2 teeth



Mikulicz
Peritoneum Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1145	18.5 cm	7¼"	cvd

1x2 teeth



Mikulicz
Peritoneum Forceps

REF #	SIZE cm	SIZE in	SHAPE
DO-1146	20.0 cm	8"	



GENERAL INSTRUMENTS

FORCEPS

Peritoneum Forceps, Towel Clamp

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
DO-1147	20.0 cm	8"	cvd

1x2 teeth

Mikulicz
Peritoneum Forceps



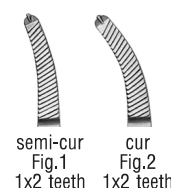
REF #	SIZE cm	SIZE in	SHAPE
DO-1148	20.5 cm	8"	cvd

1x2 teeth

Mikulicz
Peritoneum Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1149	21.0 cm	8 1/4"	Fig.1
DO-1150	21.0 cm	8 1/4"	Fig.2



Faure
Peritoneum Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1151	09.0 cm	3 1/2"	srp-srp

Schadel
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1152	05.5 cm	2 1/4"	srp-srp
DO-1153	08.5 cm	3 1/4"	srp-srp

Jones
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1154	08.5 cm	3 1/4"	srp-srp with tube holder

Jones
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1155	11.5 cm	4 1/2"	cvd
DO-1156	13.0 cm	5"	cvd

Backhaus
Towel Clamp (delicate model)



REF #	SIZE cm	SIZE in	SHAPE
DO-1157	11.5 cm	4 1/2"	cvd with tube holder

Backhaus
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1158	09.0 cm	3 1/2"	cvd
DO-1159	10.5 cm	4"	cvd
DO-1160	11.5 cm	4 1/2"	cvd
DO-1161	13. cm	5"	cvd
DO-1162	16.0 cm	6 1/4"	cvd

Backhaus
Towel Clamp



GENERAL INSTRUMENTS

FORCEPS

Towel Clamp, Tubing Clamp

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
DO-1163	15.5 cm	6"	cvd

wide jaw for tube fixation

Peers-Bertram modif.
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1164	13.5 cm	5 1/4"	cvd

Roder
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1165	09.5 cm	3 3/4"	cvd
DO-1166	12.5 cm	5"	cvd

Lorna
Towel Clamp (fine serrated, wide jaw)



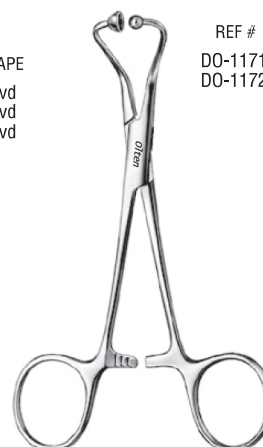
REF #	SIZE cm	SIZE in	SHAPE
DO-1167	16.5 cm	6 1/2"	str

Bernhard
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1168	10.5 cm	4"	cvd
DO-1169	13.5 cm	5 1/4"	cvd
DO-1170	14.5 cm	5 3/4"	cvd

Tohoku
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1171	11.5 cm	4 1/2"	cvd
DO-1172	14.0 cm	5 1/2"	cvd

Standard
Towel Clamp (for paper clothes)



REF #	SIZE cm	SIZE in	SHAPE
DO-1173	19.5 cm	7 3/4"	str

Lane
Towel Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1174	14.0 cm	5 1/2"	str

Standard
Tubing Clamp (extra long ratchet)



REF #	SIZE cm	SIZE in	SHAPE
DO-1175	16.5 cm	6 1/2"	str

Standard
Tubing Clamp



GENERAL INSTRUMENTS

FORCEPS Tubing Clamp

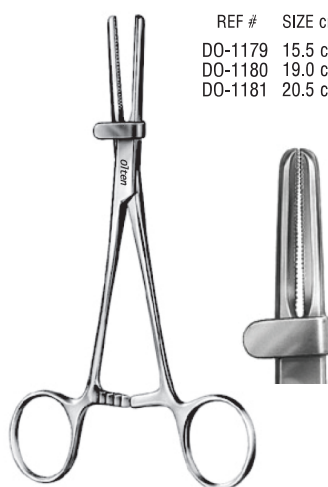
olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
DO-1176	15.5 cm	6"	str
DO-1177	19.0 cm	7½"	str
DO-1178	20.5 cm	8"	str



Standard
Tubing Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1179	15.5 cm	6"	str
DO-1180	19.0 cm	7½"	str
DO-1181	20.5 cm	8"	str



Standard
Tubing Clamp (with safety guard)



REF #	SIZE cm	SIZE in	SHAPE
DO-1182	22.5 cm	8¾"	str
DO-1183	26.5 cm	10½"	str
DO-1184	22.5 cm	8¾"	cvd
DO-1185	26.5 cm	10½"	cvd

Ulrich
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1186	17.5 cm	7"	str
DO-1187	17.0 cm	6¾"	cvd

Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1188	20.5 cm	8"	str
DO-1189	22.0 cm	8¾"	str
DO-1190	26.5 cm	10½"	str
DO-1191	20.0 cm	8"	cvd
DO-1192	21.5 cm	8½"	cvd
DO-1193	26.0 cm	10¼"	cvd

Gross-Maier
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1194	25.5 cm	10"	str

Collin
Dressing Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1195	23.5 cm	9¼"	str

Cheron
Dressing Forceps



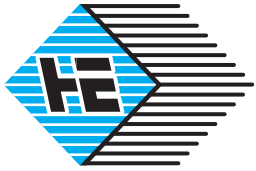
REF #	SIZE cm	SIZE in	SHAPE
DO-1196	13.0 cm	5"	str
DO-1197	16.0 cm	6¼"	str
DO-1198	18.0 cm	7"	str

Lister
Sinus Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1199	39.5 cm	15½"	cvd

Standard
Tunneling Forceps



GENERAL INSTRUMENTS

FORCEPS

Tubing Clamp



REF #	SIZE cm	SIZE in	SHAPE
DO-1200	26.0 cm	10 1/4"	cvd

Bozemann
Sponge Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1201	25.0 cm	9 3/4"	str
DO-1202	24.5 cm	9 3/4"	cvd

Foerster
Sponge Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1203	18.0 cm	7"	str
DO-1204	20.0 cm	8"	str
DO-1205	24.0 cm	9 1/2"	str
DO-1206	18.0 cm	7"	cvd
DO-1207	20.0 cm	8"	cvd
DO-1208	24.0 cm	9 1/2"	cvd

Sponge Forceps (smooth jaw)



REF #	SIZE cm	SIZE in	SHAPE
DO-1209	18.0 cm	7"	str
DO-1210	20.0 cm	8"	str
DO-1211	24.0 cm	9 1/2"	str
DO-1212	18.0 cm	7"	cvd
DO-1213	20.0 cm	8"	cvd
DO-1214	24.0 cm	9 1/2"	cvd

Foerster
Sponge Forceps (serrated jaw)



REF #	SIZE cm	SIZE in	SHAPE
DO-1215	18.0 cm	7"	str
DO-1216	20.0 cm	8"	str
DO-1217	24.0 cm	9 1/2"	str
DO-1218	18.0 cm	7"	cvd
DO-1219	20.0 cm	8"	cvd
DO-1220	24.0 cm	9 1/2"	cvd

Foerster
Sponge Forceps (small serrated jaw)



REF #	SIZE cm	SIZE in	SHAPE
DO-1221	18.0 cm	7"	str
DO-1222	20.0 cm	8"	str
DO-1223	24.0 cm	9 1/2"	str
DO-1224	18.0 cm	7"	cvd
DO-1225	20.0 cm	8"	cvd
DO-1226	24.0 cm	9 1/2"	cvd

Foerster
Sponge Forceps (round small serrated jaw)



REF #	SIZE cm	SIZE in	SHAPE
DO-1227	18.5 cm	7 1/4"	str
DO-1228	24.5 cm	9 3/4"	str

Rampley
Sponge Forceps



REF #	SIZE cm	SIZE in	SHAPE
DO-1229	24.0 cm	9 1/2"	str
DO-1230	24.0 cm	9 1/2"	cvd

Foerster
Sponge Forceps

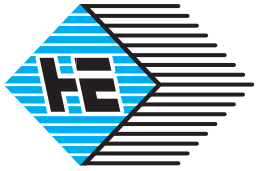




RETRACTORS

EO-1280 - to - EO-1745

Oltten
Instruments



GENERAL INSTRUMENTS

RETRACTORS

Micro Hooklet, Skin Hook, Hooklet, Flexible Hooklet

Olten
Instruments



Graefe
Micro Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1280	15.0 cm	6"	sharp
EO-1281	15.0 cm	6"	blunt



Standard
Skin Hook

REF #	SIZE cm	SIZE in	SHAPE
EO-1282	16.0 cm	6 1/4"	Fig.1
EO-1283	16.0 cm	6 1/4"	Fig.2
EO-1284	16.0 cm	6 1/4"	Fig.3
EO-1285	16.0 cm	6 1/4"	Fig.4



Guthrie
Skin Hook

REF #	SIZE cm	SIZE in	SHAPE
EO-1286	15.5 cm	6"	Fig.1
EO-1287	15.5 cm	6"	Fig.2



Fig.1 Fig.2



Standard
Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1288	16.5 cm	6 1/2"	Fig.1
EO-1289	16.5 cm	6 1/2"	Fig.2
EO-1290	16.5 cm	6 1/2"	Fig.3
EO-1291	16.5 cm	6 1/2"	Fig.4



Fig.1 sharp Fig.2 sharp Fig.3 sharp Fig.4 sharp



Standard
Flexible Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1292	16.0 cm	6 1/4"	Fig.1
EO-1293	16.0 cm	6 1/4"	Fig.2
EO-1294	16.0 cm	6 1/4"	Fig.3

sharp

EO-1295	16.0 cm	6 1/4"	Fig.1
EO-1296	16.0 cm	6 1/4"	Fig.2
EO-1297	16.0 cm	6 1/4"	Fig.3

blunt



Fig.1 sharp Fig.2 sharp Fig.3 sharp

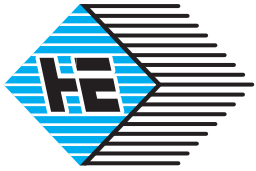


Fig.1 blunt Fig.2 blunt Fig.3 blunt



Standard
Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1298	16.5 cm	6 1/2"	sharp
EO-1299	16.5 cm	6 1/2"	blunt



GENERAL INSTRUMENTS

RETRACTORS

Skin Hook, Hooklet, Vessel Hook



REF #	SIZE cm	SIZE in	SHAPE
EO-1300	16.0 cm	6¼"	sharp

O'Connor
Skin Hook

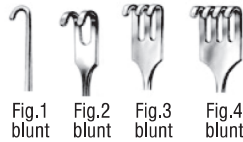


REF #	SIZE cm	SIZE in	SHAPE
EO-1301	16.0 cm	6¼"	8 mm
EO-1302	16.0 cm	6¼"	10 mm
EO-1303	16.0 cm	6¼"	12 mm
EO-1304	16.0 cm	6¼"	14 mm
EO-1305	16.0 cm	6¼"	16 mm
EO-1306	16.0 cm	6¼"	18 mm

Desmarres
Saddle Hook



REF #	SIZE cm	SIZE in	SHAPE
EO-1307	16.5 cm	6½"	Fig.1
EO-1308	16.5 cm	6½"	Fig.2
EO-1309	16.5 cm	6½"	Fig.3
EO-1310	16.5 cm	6½"	Fig.4



Standard
Hooklet



REF #	SIZE cm	SIZE in	SHAPE
EO-1311	16.0 cm	6¼"	14x8 mm



Standard
Hooklet



REF #	SIZE cm	SIZE in
EO-1312	20.0 cm	4¾"

Standard
Vessel Hook (with button end)



REF #	SIZE cm	SIZE in	SHAPE
EO-1313	17.5 cm	7"	Fig.1
EO-1314	17.5 cm	7"	Fig.2
EO-1315	17.5 cm	7"	Fig.3
EO-1316	17.5 cm	7"	Fig.4
EO-1317	17.5 cm	7"	Fig.5
EO-1318	17.5 cm	7"	Fig.6

Fig.1 18x7 mm	Fig.2 16x5 mm	Fig.3 7x4 mm
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Fig.4 10x3 mm	Fig.5 7x4 mm	Fig.6 10x4 mm
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Meyerding
Hooklet



GENERAL INSTRUMENTS

RETRACTORS

Saddle Hook, Hooklet

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
EO-1319	16.0 cm	6 1/4"	12 mm
EO-1320	16.0 cm	6 1/4"	14 mm
EO-1321	16.0 cm	6 1/4"	16 mm
EO-1322	16.0 cm	6 1/4"	18 mm

Standard
Saddle Hook



REF #	SIZE cm	SIZE in	SHAPE
EO-1323	16.0 cm	6 1/4"	10x6 mm
EO-1324	16.0 cm	6 1/4"	17x5 mm
EO-1325	16.0 cm	6 1/4"	20x6 mm
EO-1326	16.0 cm	6 1/4"	22x8 mm

Langenbeck-Mini
Hooklet



REF #	SIZE cm	SIZE in	SHAPE
EO-1327	16.5 cm	6 1/2"	Fig.1
EO-1328	16.5 cm	6 1/2"	Fig.2
EO-1329	16.5 cm	6 1/2"	Fig.3
EO-1330	16.5 cm	6 1/2"	Fig.4



Fig.1 sharp
Fig.2 sharp
Fig.3 sharp
Fig.4 sharp

Standard
Hooklet



REF #	SIZE cm	SIZE in	SHAPE
EO-1331	16.5 cm	6 1/2"	Fig.1
EO-1332	16.5 cm	6 1/2"	Fig.2
EO-1333	16.5 cm	6 1/2"	Fig.3
EO-1334	16.5 cm	6 1/2"	Fig.4



Fig.1 blunt
Fig.2 blunt
Fig.3 blunt
Fig.4 blunt

Standard
Hooklet



REF #	SIZE cm	SIZE in	SHAPE
EO-1335	15.0 cm	6"	Fig.1
EO-1336	15.0 cm	6"	Fig.2



Fig.1 10x6 mm
Fig.2 20x6 mm

Senn-Green
Hooklet



REF #	SIZE cm	SIZE in	SHAPE
EO-1337	14.0 cm	5 1/2"	8x4 mm 15x5.5 mm

Ragnell-Davis
Hooklet



GENERAL INSTRUMENTS

RETRACTORS

Hooklet, Retractor, Saddle Hook

Olten
Instruments



Senn-Miller
Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1338	16.0 cm	6¼"	Fig.1
EO-1339	16.0 cm	6¼"	Fig.2

Fig.1
sharp prong
blade 20x7 mm

Fig.2
blunt prong
blade 20x7 mm



Cushing
Retractor

REF #	SIZE cm	SIZE in
EO-1340	20.5 cm	8"



Cushing
Saddle Hook

REF #	SIZE cm	SIZE in	SHAPE
EO-1341	24.0 cm	9½"	8 mm
EO-1342	24.0 cm	9½"	10 mm
EO-1343	24.0 cm	9½"	12 mm
EO-1344	24.0 cm	9½"	14 mm
EO-1345	24.0 cm	9½"	16 mm
EO-1346	24.0 cm	9½"	18 mm



Gil-Vernet
Saddle Hook (flexible shaft)

REF #	SIZE cm	SIZE in	SHAPE
EO-1347	24.0 cm	9½"	8 mm
EO-1348	24.0 cm	9½"	11 mm
EO-1349	24.0 cm	9½"	15 mm
EO-1350	24.0 cm	9½"	17 mm
EO-1351	24.0 cm	9½"	20 mm
EO-1352	24.0 cm	9½"	23 mm



Strandell-Stille
Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1353	19.0 cm	7½"	Fig.1
EO-1354	19.0 cm	7½"	Fig.2

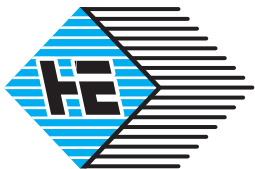
Fig.1
smooth
blade end

Fig.2
toothed
blade end



Kaye-Millard
Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1355	08.0 cm	3"	sharp



GENERAL INSTRUMENTS

RETRACTORS

Hooklet, Retractor, Saddle Hook, Vein Hook

Olten
Instruments



Cushing
Saddle Hook

REF #	SIZE cm	SIZE in	SHAPE
EO-1356	20.5 cm	8"	8 mm
EO-1357	20.5 cm	8"	10 mm
EO-1358	20.5 cm	8"	12 mm
EO-1359	20.5 cm	8"	14 mm
EO-1360	20.5 cm	8"	16 mm
EO-1361	20.5 cm	8"	18 mm



Standard
Hooklet

REF #	SIZE cm	SIZE in	SHAPE
EO-1362	16.5 cm	6½"	sharp
EO-1363	16.5 cm	6½"	blunt



Brom
Vein Hook

REF #	SIZE cm	SIZE in
EO-1364	19.5 cm	7¾"



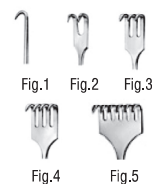
Volkman
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1365	21.5 cm	8½"	Fig.1
EO-1366	21.5 cm	8½"	Fig.2
EO-1367	21.5 cm	8½"	Fig.3
EO-1368	21.5 cm	8½"	Fig.4
EO-1369	21.5 cm	8½"	Fig.5

sharp

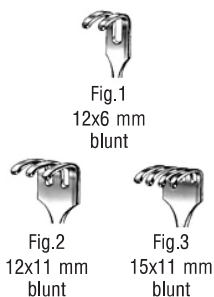
EO-1370	21.5 cm	8½"	Fig.1
EO-1371	21.5 cm	8½"	Fig.2
EO-1372	21.5 cm	8½"	Fig.3
EO-1373	21.5 cm	8½"	Fig.4
EO-1374	21.5 cm	8½"	Fig.5

blunt



Klapp
Retractor

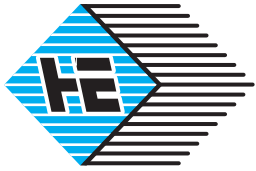
REF #	SIZE cm	SIZE in	SHAPE
EO-1375	17.5 cm	7"	Fig.1
EO-1376	17.5 cm	7"	Fig.2
EO-1377	17.5 cm	7"	Fig.3



Ollier
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1378	23.0 cm	9"	Fig.1
EO-1379	23.0 cm	9"	Fig.2





GENERAL INSTRUMENTS

RETRACTORS

olten
Instruments



Standard
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1380	21.5 cm	8½"	Fig.1
EO-1381	21.5 cm	8½"	Fig.2
EO-1382	21.5 cm	8½"	Fig.3
EO-1383	21.5 cm	8½"	Fig.4
EO-1384	21.5 cm	8½"	Fig.5

sharp

EO-1385	21.5 cm	8½"	Fig.1
EO-1386	21.5 cm	8½"	Fig.2
EO-1387	21.5 cm	8½"	Fig.3
EO-1388	21.5 cm	8½"	Fig.4
EO-1389	21.5 cm	8½"	Fig.5

semi-sharp

EO-1390	21.5 cm	8½"	Fig.1
EO-1391	21.5 cm	8½"	Fig.2
EO-1392	21.5 cm	8½"	Fig.3
EO-1393	21.5 cm	8½"	Fig.4
EO-1394	21.5 cm	8½"	Fig.5

blunt



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6
sharp



Fig.7
blunt



Fig.8
sharp

REF #	SIZE cm	SIZE in	SHAPE
EO-1395	21.5 cm	8½"	Fig.6
EO-1396	21.5 cm	8½"	Fig.7
EO-1397	21.5 cm	8½"	Fig.8



Kocher
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1398	22.0 cm	8¾"	1 Prong
EO-1399	22.0 cm	8¾"	2 Prong
EO-1400	22.0 cm	8¾"	3 Prong
EO-1401	22.0 cm	8¾"	4 Prong
EO-1402	22.0 cm	8¾"	6 Prong
EO-1403	22.0 cm	8¾"	8 Prong

sharp

EO-1404	22.0 cm	8¾"	1 Prong
EO-1405	22.0 cm	8¾"	2 Prong
EO-1406	22.0 cm	8¾"	3 Prong
EO-1407	22.0 cm	8¾"	4 Prong
EO-1408	22.0 cm	8¾"	6 Prong
EO-1409	22.0 cm	8¾"	8 Prong

semi-sharp

EO-1410	22.0 cm	8¾"	1 Prong
EO-1411	22.0 cm	8¾"	2 Prong
EO-1412	22.0 cm	8¾"	3 Prong
EO-1413	22.0 cm	8¾"	4 Prong
EO-1414	22.0 cm	8¾"	6 Prong
EO-1415	22.0 cm	8¾"	8 Prong

blunt



Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1416	22.5 cm	8¾"	2 Prong
EO-1417	22.5 cm	8¾"	3 Prong
EO-1418	22.5 cm	8¾"	4 Prong
EO-1419	22.5 cm	8¾"	6 Prong

sharp

EO-1420	22.5 cm	8¾"	2 Prong
EO-1421	22.5 cm	8¾"	3 Prong
EO-1422	22.5 cm	8¾"	4 Prong
EO-1423	22.5 cm	8¾"	6 Prong

blunt



Wassmund
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1424	20.5 cm	8"	Fig.1

Fig.1
33x21 mm



Korte
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1425	24.5 cm	9¾"	Fig.1
EO-1426	24.5 cm	9¾"	Fig.2

Fig.1
40x30 mm
sharp

Fig.2
40x30 mm
blunt



GENERAL INSTRUMENTS

RETRACTORS

Retractor

Olten
Instruments



Israel
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1427	25.5 cm	10"	Fig.1
EO-1428	25.5 cm	10"	Fig.2
EO-1429	25.5 cm	10"	Fig.3
EO-1430	25.5 cm	10"	Fig.4

Fig.1
40x40 mm
4 prong

Fig.2
45x50 mm
5 prong

Fig.3
50x60 mm
6 prong

Fig.4
70x70 mm
6 prong



Langenbeck
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1431	22.5 cm	8 3/4"	Fig.1
EO-1432	22.5 cm	8 3/4"	Fig.2
EO-1433	22.5 cm	8 3/4"	Fig.3
EO-1434	22.5 cm	8 3/4"	Fig.4
EO-1435	22.5 cm	8 3/4"	Fig.5

Fig.1
30x11 mm

Fig.2
30x14 mm

Fig.3
30x16 mm

Fig.4
40x11 mm

Fig.5
50x11 mm



Langenbeck
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1436	21.0 cm	8 1/4"	Fig.1

Fig.1
65x20 mm



Langenbeck
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1437	22.5 cm	8 3/4"	Fig.1

Fig.1
85x15 mm



Little
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1438	20.0 cm	8"	13x15 mm



Kocher
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1439	23.0 cm	9"	Fig.1
EO-1440	23.0 cm	9"	Fig.2
EO-1441	23.0 cm	9"	Fig.3
EO-1442	23.0 cm	9"	Fig.4
EO-1443	23.0 cm	9"	Fig.5

Fig.1
40x18 mm

Fig.2
60x20 mm

Fig.3
60x25 mm

Fig.4
75x30 mm

Fig.5
75x40 mm



GENERAL INSTRUMENTS

RETRACTORS Retractor

olten
Instruments



Langenbeck
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1444	22.5 cm	8¾"	Fig.1
EO-1445	22.5 cm	8¾"	Fig.2
EO-1446	22.5 cm	8¾"	Fig.3
EO-1447	22.5 cm	8¾"	Fig.4
EO-1448	22.5 cm	8¾"	Fig.5

Fig.1	Fig.2
30x11 mm	30x14 mm
Fig.3	Fig.4
30x16 mm	40x11 mm
Fig.5	
50x11 mm	



Richardson
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1449	21.5 cm	8½"	Fig.1
EO-1450	21.5 cm	8½"	Fig.2
EO-1451	21.5 cm	8½"	Fig.3
EO-1452	21.5 cm	8½"	Fig.4
EO-1453	21.5 cm	8½"	Fig.5
EO-1454	21.5 cm	8½"	Fig.6
EO-1455	21.5 cm	8½"	Fig.7
EO-1456	21.5 cm	8½"	Fig.8

Fig.1	Fig.2
25x10 mm	40x13 mm
Fig.3	Fig.4
60x13 mm	40x18 mm
Fig.5	Fig.6
60x18 mm	85x18 mm
Fig.7	Fig.8
60x25 mm	85x25 mm



Lahey
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1457	19.5 cm	7¾"	31x6 mm



Kocher
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1458	22.0 cm	8¾"	Fig.1
EO-1459	23.0 cm	9"	Fig.2
EO-1460	23.0 cm	9"	Fig.3

Fig.1	Fig.2
40x10 mm	40x15 mm
Fig.3	
40x20 mm	



Kocher-Langenbeck
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1461	21.5 cm	8½"	Fig.1
EO-1462	21.5 cm	8½"	Fig.2
EO-1463	21.5 cm	8½"	Fig.3
EO-1464	21.5 cm	8½"	Fig.4
EO-1465	21.5 cm	8½"	Fig.5
EO-1466	21.5 cm	8½"	Fig.6
EO-1467	21.5 cm	8½"	Fig.7
EO-1468	21.5 cm	8½"	Fig.8
EO-1469	21.5 cm	8½"	Fig.9

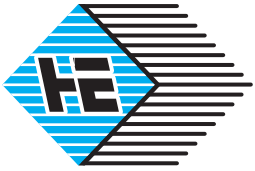
Fig.1	Fig.2
25x6 mm	35x8 mm
Fig.3	Fig.4
35x11 mm	35x15 mm
Fig.5	Fig.6
40x11 mm	55x11 mm
Fig.7	Fig.8
70x14 mm	80x12 mm
Fig.9	
80x16 mm	



Richardson
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1470	23.5 cm	9¼"	Fig.1
EO-1471	24.0 cm	9½"	Fig.2
EO-1472	24.0 cm	9½"	Fig.3

Fig.1	Fig.2
30x21 mm	37x29 mm
Fig.3	
45x40 mm	



GENERAL INSTRUMENTS

RETRACTORS

Olten
Instruments



Zenker
Retractor

REF #	SIZE cm	SIZE in	SHAPE
E0-1473	25.0 cm	9¾"	Fig.1
E0-1474	26.5 cm	10½"	Fig.2
E0-1475	27.5 cm	10¾"	Fig.3
E0-1476	28.5 cm	11¼"	Fig.4
E0-1477	30.5 cm	12"	Fig.5

Fig.1	Fig.2
35x8 mm	60x12 mm
Fig.3	Fig.4
75x12 mm	85x20 mm
Fig.5	
100x25 mm	



Kocher
Retractor

REF #	SIZE cm	SIZE in	SHAPE
E0-1478	21.5 cm	8½"	Fig.1
E0-1479	21.5 cm	8½"	Fig.2

Fig.1	Fig.2
19x12 mm	21x14 mm



Middeldorp
Retractor

REF #	SIZE cm	SIZE in	SHAPE
E0-1480	21.5 cm	8½"	Fig.1
E0-1481	23.0 cm	9"	Fig.2
E0-1482	24.5 cm	9¾"	Fig.3

Fig.1	Fig.2
14x17 mm	20x22 mm
Fig.3	
26x30 mm	



Richardson-Eastman
Retractor

REF #	SIZE cm	SIZE in	SHAPE
E0-1483	26.0 cm	10¼"	Fig.1
E0-1484	27.0 cm	10½"	Fig.2

Fig.1	Fig.2
28x20 mm	49x38 mm
36x28 mm	71x43 mm



Richardson
Retractor

REF #	SIZE cm	SIZE in	SHAPE
E0-1485	24.0 cm	9½"	Fig.1

Fig.1
53x22 mm



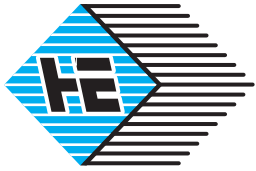
Kelly
Retractor

REF #	SIZE cm	SIZE in	SHAPE
E0-1486	26.0 cm	10¼"	Fig.1
E0-1487	26.0 cm	10¼"	Fig.2
E0-1488	26.0 cm	10¼"	Fig.3

Fig.1
38x51 mm

Fig.2
51x64 mm

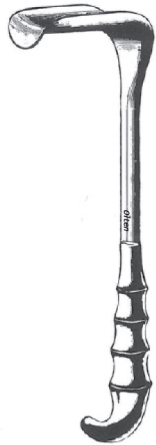
Fig.3
64x76 mm



GENERAL INSTRUMENTS

RETRACTORS

Retractor



Richardson Grip
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1489	24.0 cm	9½"	Fig.1
EO-1490	24.0 cm	9½"	Fig.2
EO-1491	24.0 cm	9½"	Fig.3
EO-1492	24.0 cm	9½"	Fig.4
EO-1493	24.0 cm	9½"	Fig.5

Fig.1	Fig.2
20x25 mm	25x31 mm
Fig.3	Fig.4
38x38 mm	19x51 mm
Fig.5	
41x64 mm	



Kelly Grip
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1494	26.0 cm	10¼"	Fig.1
EO-1495	26.0 cm	10¼"	Fig.2
EO-1496	26.0 cm	10¼"	Fig.3
EO-1497	26.0 cm	10¼"	Fig.4

Fig.1	Fig.2
38x51 mm	51x64 mm
Fig.3	Fig.4
64x76 mm	70x82 mm



Hosel
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1498	26.0 cm	10¼"	Fig.1
EO-1499	26.0 cm	10¼"	Fig.2
EO-1500	26.0 cm	10¼"	Fig.3
EO-1501	26.0 cm	10¼"	Fig.4
EO-1502	26.0 cm	10¼"	Fig.5
EO-1503	26.0 cm	10¼"	Fig.6

Fig.1	Fig.2
60x20 mm	50x30 mm
Fig.3	Fig.4
100x30 mm	120x30 mm
Fig.5	Fig.6
140x30 mm	140x40 mm



Middeldorpf
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1504	27.0 cm	10¾"	Fig.1
EO-1505	27.0 cm	10¾"	Fig.2
EO-1506	28.0 cm	11"	Fig.3

Fig.1	Fig.2
45x45 mm	45x50 mm
Fig.3	
55x70 mm	



Doyen
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1507	24.0 cm	9½"	Fig.1

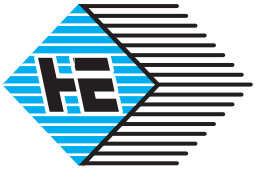
Fig.1
50x85 mm



Kocher
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1508	24.0 cm	9½"	Fig.1

Fig.1
70x25 mm



GENERAL INSTRUMENTS

RETRACTORS Retractor

Olten
Instruments



Doyen-Stille
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1509	26.0 cm	10 1/4"	Fig.1
EO-1510	26.0 cm	10 1/4"	Fig.2
EO-1511	26.0 cm	10 1/4"	Fig.3

Fig.1	Fig.2
90x28 mm	106x30 mm
Fig.3	
120x52 mm	



Martin
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1512	26.0 cm	10 1/4"	Fig.1

Fig.1
106x27 mm



Fritsch
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1513	23.5 cm	9 1/4"	Fig.1
EO-1514	24.0 cm	9 1/2"	Fig.2
EO-1515	25.0 cm	9 3/4"	Fig.3
EO-1516	25.0 cm	9 3/4"	Fig.4
EO-1517	25.5 cm	10"	Fig.5
EO-1518	26.5 cm	10 1/2"	Fig.6

Fig.1	Fig.2
30x30 mm	32x40 mm
Fig.3	Fig.4
40x50 mm	40x60 mm
Fig.5	Fig.6
45x75 mm	65x85 mm



Simon
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1519	28.0 cm	11"	Fig.1
EO-1520	28.0 cm	11"	Fig.2

Fig.1	Fig.2
115x22 mm	115x27 mm



Kocher
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1521	25.0 cm	9 3/4"	Fig.1
EO-1522	25.0 cm	9 3/4"	Fig.2
EO-1523	25.0 cm	9 3/4"	Fig.3

Fig.1	Fig.2
80x45 mm	80x55 mm
Fig.3	
80x65 mm	



Davidson
Scapula Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1524	19.0 cm	7 1/2"	Fig.1
EO-1525	18.5 cm	7 1/4"	Fig.2

Fig.1
75x50 mm
Fig.2
75x90 mm



GENERAL INSTRUMENTS

RETRACTORS Retractor

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
EO-1526	25.5 cm	10"	Fig.1

Fig.1
125x37 mm

Sauerbruch
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1527	24.0 cm	9½"	Fig.1
EO-1528	24.0 cm	9½"	Fig.2
EO-1529	24.0 cm	9½"	Fig.3

Fig.1
82x22 mm

Fig.2
108x43 mm

Fig.3
115x65 mm

Coryllos
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1530	25.5 cm	10"	Fig.1
EO-1531	25.5 cm	10"	Fig.2
EO-1532	25.5 cm	10"	Fig.3
EO-1533	25.5 cm	10"	Fig.4
EO-1534	25.5 cm	10"	Fig.5
EO-1535	25.5 cm	10"	Fig.6

Fig.1
80x20 mm

Fig.2
100x20 mm

Fig.3
120x25 mm

Fig.4
140x25 mm

Fig.5
160x30 mm

Fig.6
180x30 mm

Brunner
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1536	25.5 cm	10"	Fig.1
EO-1537	25.5 cm	10"	Fig.2
EO-1538	25.5 cm	10"	Fig.3
EO-1539	25.5 cm	10"	Fig.4
EO-1540	25.5 cm	10"	Fig.5
EO-1541	25.5 cm	10"	Fig.6
EO-1542	25.5 cm	10"	Fig.7

Fig.1
80x20 mm

Fig.2
100x25 mm

Fig.3
120x25 mm

Fig.4
130x30 mm

Fig.5
140x30 mm

Fig.6
160x30 mm

Fig.7
180x30 mm

Brunner
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1543	22.5 cm	8¾"	Fig.1
EO-1544	22.5 cm	8¾"	Fig.2
EO-1545	22.5 cm	8¾"	Fig.3

Fig.1
50x15 mm

Fig.2
63x23 mm

Fig.3
80x20 mm

Sauerbruch
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1546	19.0 cm	7½"	Fig.1
EO-1547	19.0 cm	7½"	Fig.2

Fig.1
15x15 mm

Fig.2
15x23 mm

Crawford
Aorta Retractor



GENERAL INSTRUMENTS

RETRACTORS

Retractor, Aorta Retractor

Olten
Instruments



Ross
Aorta Retractor (flexible shaft)

REF #	SIZE cm	SIZE in	SHAPE
EO-1548	21.5 cm	8½"	Fig.1
EO-1549	21.5 cm	8½"	Fig.2
EO-1550	21.5 cm	8½"	Fig.3
EO-1551	21.5 cm	8½"	Fig.4
EO-1552	21.5 cm	8½"	Fig.5
EO-1553	21.5 cm	8½"	Fig.6

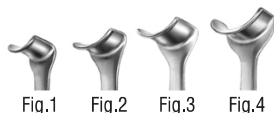


Fig.1

Fig.2

Fig.3

Fig.4



Fig.5

Fig.6



Polloson
Retractor

REF #	SIZE cm	SIZE in
EO-1554	29.0 cm	11½"

REF #	SIZE cm	SIZE in	SHAPE	FIGUER
EO-1555	18.0 cm	7"	19 mm	Fig. 1
EO-1556	21.5 cm	8½"	22 mm	Fig. 2
EO-1557	25.0 cm	9¾"	25 mm	Fig. 3
EO-1558	31.0 cm	12¼"	25 mm	Fig. 4
EO-1559	33.0 cm	13"	25 mm	Fig. 5
EO-1560	36.0 cm	14¼"	25 mm	Fig. 6
EO-1561	30.0 cm	11¾"	38 mm	Fig. 7
EO-1562	31.0 cm	12¼"	50 mm	Fig. 8
EO-1563	31.5 cm	12½"	75 mm	Fig. 9

Deaver
Retractor



Fig.1

Fig.2

Fig.3



Fig. 4

Fig. 5

Fig. 6

Fig. 7

Fig. 8

Fig. 9



GENERAL INSTRUMENTS

RETRACTORS

Retractor, Atrium Retractor, Liver Retractor

Olten
Instruments



Polloson
Retractor

REF #	SIZE cm	SIZE in
EO-1564	25.5 cm	10"



Cooley
Atrium Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1565	25.0 cm	9¾"	Fig.1
EO-1566	25.0 cm	9¾"	Fig.2
EO-1567	27.0 cm	10½"	Fig.3

Fig.1
48x48 mm
right

Fig.2
48x48 mm
right, serrated



Fig.3
30x48 mm
left



Deaver
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1568	31.5 cm	12½"	25 mm
EO-1569	31.5 cm	12½"	38 mm
EO-1570	31.5 cm	12½"	50 mm
EO-1571	31.5 cm	12½"	63 mm
EO-1572	31.5 cm	12½"	75 mm
EO-1573	31.5 cm	12½"	90 mm
EO-1574	31.5 cm	12½"	100 mm



Mikulicz
Liver Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1575	25.0 cm	9¾"	Fig.1
EO-1576	25.0 cm	9¾"	Fig.2
EO-1577	25.0 cm	9¾"	Fig.3

Fig.1
95x35 mm

Fig.2
120x50 mm

Fig.3
150x50 mm



Harrington
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1578	23.0 cm	9"	Fig.1
EO-1579	23.0 cm	9"	Fig.2

Fig.1
127x40 mm

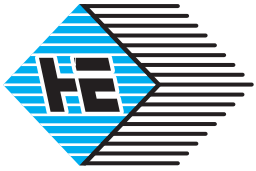
Fig.2
127x62 mm



Mikulicz
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1580	26.0 cm	10¼"	Fig.1

Fig.1
85x50 mm



GENERAL INSTRUMENTS

RETRACTORS

Retractor, Pelvis Retractor, Abdominal Spatula

olten
Instruments



St. Marks
Pelvis Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1581	29.0 cm	11½"	Fig.1
EO-1582	29.0 cm	11½"	Fig.2
EO-1583	33.0 cm	13"	Fig.3

Fig.1
130x60 mm
35x45 mm

Fig.2
180x60 mm
60x45 mm

Fig.3
180x60 mm
60x45 mm



Roux
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1584	15.0 cm	6"	Fig.1
EO-1585	16.0 cm	6¼"	Fig.2
EO-1586	17.0 cm	6½"	Fig.3

Fig.1
24x20 mm
30x28 mm

Fig.2
29x26 mm
36x36 mm

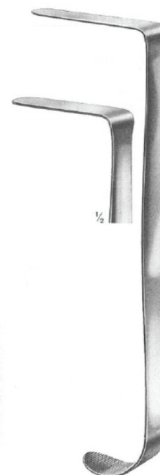
Fig.3
33x29 mm
38x43 mm



Kummel
Abdominal Spatula

REF #	SIZE cm	SIZE in	SHAPE
EO-1587	31.0 cm	12¼"	Fig.1

Fig.1
100x45 mm



Heaney
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1588	27.0 cm	10½"	Fig.1
EO-1589	27.0 cm	10½"	Fig.2
EO-1590	27.0 cm	10½"	Fig.3

Fig.1
45x25 mm

Fig.2
73x28 mm

Fig.3
82x28 mm



Collin-Hartmann
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1591	14.0 cm	5½"	Fig.1
EO-1592	16.0 cm	6¼"	Fig.2

Fig.1
38x28 mm
32x21 mm

Fig.2
52x34 mm
36x27 mm

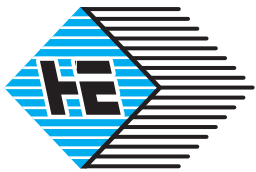


Kelly
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1593	27.5 cm	10¾"	Fig.1
EO-1594	27.5 cm	10¾"	Fig.2

Fig.1
190x38 mm

Fig.2
190x57 mm



GENERAL INSTRUMENTS

RETRACTORS

Retractor, Abdominal Spatula



REF #	SIZE cm	SIZE in	SHAPE
EO-1595	27.5 cm	10 3/4"	20 mm
EO-1596	27.5 cm	10 3/4"	30 mm
EO-1597	27.5 cm	10 3/4"	40 mm

Kader
Abdominal Spatula



REF #	SIZE cm	SIZE in	SHAPE
EO-1598	15.0 cm	6"	Fig.1
EO-1599	15.0 cm	6"	Fig.2

Fig.1	Fig.2
23x16 mm	27x16 mm
26x16 mm	30x16 mm

Farabeuf
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1600	11.5 cm	4 1/2"	Fig.1
EO-1601	11.5 cm	4 1/2"	Fig.2

Fig.1	Fig.2
26x10 mm	30x10 mm
30x13 mm	34x13 mm

Farabeuf
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1602	14.5 cm	5 3/4"	8x6 mm

Roux-Mini
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1603	19.0 cm	7 1/2"	Fig.1

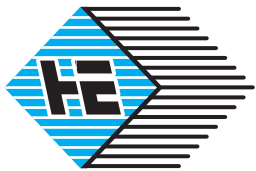
Fig.1
40x40 mm
30x30 mm

Goelet
Retractor



REF #	SIZE cm	SIZE in
EO-1604	12.5 cm	5"

Roux-Baby
Retractor



GENERAL INSTRUMENTS

RETRACTORS Retractor



REF #	SIZE cm	SIZE in
EO-1605	13.5 cm	5 1/4"

Parker
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1606	13.5 cm	5 1/4"	Fig.1
EO-1607	13.5 cm	5 1/4"	Fig.2

Fig.1	Fig.2
19x15 mm	22x15 mm
19x15 mm	22x15 mm

Parker
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1608	17.5 cm	7"	Fig.1
EO-1609	17.5 cm	7"	Fig.2

Fig.1	Fig.2
26x25 mm	29x25 mm
24x25 mm	27x25 mm

Parker
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1610	16.0 cm	6 1/4"	Fig.1
EO-1611	16.0 cm	6 1/4"	Fig.2

Fig.1	Fig.2
21x24 mm	25x24 mm
68x24 mm	72x24 mm

Parker-Mott
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1612	20.0 cm	8"	Fig.1
EO-1613	20.0 cm	8"	Fig.2

Fig.1	Fig.2
42x13 mm	47x13 mm
42x26 mm	46x26 mm

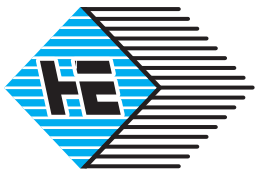
Mathieu
Retractor



REF #	SIZE cm	SIZE in	SHAPE
EO-1614	21.5 cm	8 1/2"	Fig.1
EO-1615	21.5 cm	8 1/2"	Fig.2

Fig.1	Fig.2
21x15 mm	25x15 mm
40x15 mm	45x15 mm

US-Army Navy
Retractor



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader, Fat Spreader, Retractor



Ribbon
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1616	20.0 cm	8"	6.0 mm
EO-1617	20.0 cm	8"	8.0 mm
EO-1618	20.0 cm	8"	10.0 mm
EO-1619	20.0 cm	8"	12.0 mm
EO-1620	20.0 cm	8"	17.0 mm
EO-1621	20.0 cm	8"	20.0 mm
EO-1622	20.0 cm	8"	25.0 mm
EO-1623	25.0 cm	10"	25.0 mm



Ribbon
Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1624	33.0 cm	13"	20.0 mm
EO-1625	33.0 cm	13"	25.0 mm
EO-1626	33.0 cm	13"	32.0 mm
EO-1627	33.0 cm	13"	40.0 mm
EO-1628	33.0 cm	13"	45.0 mm
EO-1629	33.0 cm	13"	50.0 mm
EO-1630	33.0 cm	13"	65.0 mm
EO-1631	33.0 cm	13"	76.0 mm



Standard
Fat Spreaders, self-retaining

REF #	SIZE cm	SIZE in
EO-1632	03.0 cm	1¼"



Standard
Fat Spreaders, self-retaining

REF #	SIZE cm	SIZE in
EO-1633	04.0 cm	1½"



Buckley
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1634	06.0 cm	2¼"	Fig.1

Fig 1
3x3 teeth
sharp



Alm
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1635	07.0 cm	2¾"	Fig.1
EO-1636	10.0 cm	4"	Fig.2
EO-1637	07.0 cm	2¾"	Fig.3
EO-1638	10.0 cm	4"	Fig.4

Fig 1
4x4 teeth
sharp

Fig.2
4x4 teeth
sharp

Fig.3
4x4 teeth
blunt

Fig.4
4x4 teeth
blunt



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader, Fat Spreader

Olten
Instruments



Finsen
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1639	05.0 cm	2"	Fig.1
EO-1640	05.0 cm	2"	Fig.2
EO-1641	05.0 cm	2"	Fig.3
EO-1642	05.0 cm	2"	Fig.4

Fig.1
2x3 teeth
sharp

Fig.2
2x3 teeth
blunt

Fig.3
3x4 teeth
sharp

Fig.4
3x4 teeth
blunt



Standard
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1643	07.0 cm	2¾"	Fig.1
EO-1644	07.0 cm	2¾"	Fig.2

Fig.1
3x4 teeth
sharp

Fig.2
3x4 teeth
blunt

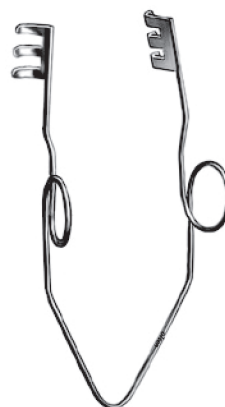
with adjustable screw



Logan
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1645	04.0 cm	1½"	Fig.1

Fig.1
3x3 teeth
sharp



Standard
Fat Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1646	05.5 cm	2¼"	



Standard
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1647	10.0 cm	4"	Fig.1

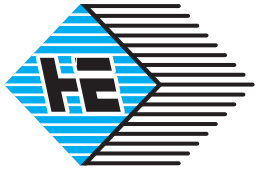
Fig.1
4x4 teeth
blunt



Jansen
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1648	10.0 cm	4"	Fig.1

Fig.1
3x3 teeth
blunt



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader

Olten
Instruments



Scalp-Contour
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1649	13.5 cm	5 1/4"	Fig.1
EO-1650	13.5 cm	5 1/4"	Fig.2

Fig.1
3x4 teeth
sharp

Fig.2
3x4 teeth
blunt



Anderson-Adson
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1651	20.0 cm	8"	Fig.1

Fig.1
4x4 teeth
sharp



Adson
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1652	26.0 cm	10 1/4"	Fig.1
EO-1653	26.0 cm	10 1/4"	Fig.2
EO-1654	29.0 cm	11 1/2"	Fig.3
EO-1655	29.0 cm	11 1/2"	Fig.4

Fig.1
3x4 teeth
sharp

Fig.2
3x4 teeth
blunt

Fig.3
6x6 teeth
sharp

Fig.4
6x6 teeth
blunt



Weitlaner
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1656	11.0 cm	4 1/4"	Fig.1
EO-1657	11.0 cm	4 1/4"	Fig.2

Fig.1
2x3 teeth
sharp

Fig.2
2x3 teeth
blunt



Weitlaner-Wullstein
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1658	13.0 cm	5"	Fig.1
EO-1659	13.0 cm	5"	Fig.2

Fig.1
3x3 teeth
sharp

Fig.2
3x3 teeth
blunt



Mollison
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1660	15.5 cm	6"	Fig.1

Fig.1
4x4 teeth
sharp



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
EO-1661	20.0 cm	8"	Fig.1
EO-1662	20.0 cm	8"	Fig.2

Fig.1
3x4 teeth
sharp

Fig.2
3x4 teeth
blunt

Weitlaner
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in	SHAPE
EO-1663	13.5 cm	5 1/4"	Fig.1
EO-1664	13.5 cm	5 1/4"	Fig.2
EO-1665	16.0 cm	6 1/4"	Fig.3
EO-1666	16.0 cm	6 1/4"	Fig.4

Fig.1
3x4 teeth
sharp

Fig.2
3x4 teeth
blunt

Fig.3
3x4 teeth
sharp

Fig.4
3x4 teeth
blunt

Weitlaner
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in	SHAPE
EO-1667	13.0 cm	5"	Fig.1
EO-1668	13.0 cm	5"	Fig.2

Fig.1
2x2 teeth
sharp

Fig.2
2x2 teeth
blunt

Plester
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in	SHAPE
EO-1669	10.5 cm	4"	Left / blunt

Plester
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in	SHAPE
EO-1670	10.5 cm	4"	Right / blunt

Plester
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in	SHAPE
EO-1671	13.5 cm	5 1/4"	Fig.1

Fig.1
3x3 teeth
blunt

Milligan
Wound Spreaders, self-retaining



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader, Central Blade

olten
Instruments



Henley
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1672	16.0 cm	6 1/4"	Fig.1

Fig.1
2x3 teeth
sharp

complete
with 3 central blades
EO-1673
EO-1674
EO-1675



Henley
Central blades

REF #	SHAPE
EO-1673	Fig.1
EO-1674	Fig.2
EO-1675	Fig.3

Fig.1 Fig.2
16x19 mm 16x25 mm
Fig.3
16x32 mm



Weitlaner, Baby
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in
EO-1676	13.5 cm	5 1/4"



Adson
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1677	13.5 cm	5 1/4"	Fig.1
EO-1678	16.5 cm	6 1/2"	Fig.2
EO-1679	21.0 cm	8 1/4"	Fig.3
EO-1680	24.5 cm	9 3/4"	Fig.4

Fig.1 Fig.2
3x4 teeth 3x4 teeth
sharp sharp

Fig.3 Fig.4
3x4 teeth 3x4 teeth
sharp sharp



Adson
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1681	13.5 cm	5 1/4"	Fig.1
EO-1682	16.5 cm	6 1/2"	Fig.2
EO-1683	21.0 cm	8 1/4"	Fig.3
EO-1684	24.5 cm	9 3/4"	Fig.4

Fig.1 Fig.2
3x4 teeth 3x4 teeth
blunt blunt

Fig.3 Fig.4
3x4 teeth 3x4 teeth
blunt blunt

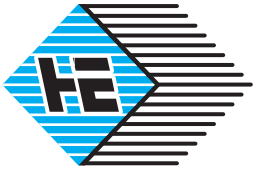


Beckmann
Wound Spreaders, self-retaining

REF #	SIZE cm	SIZE in	SHAPE
EO-1685	16.5 cm	6 1/2"	Fig.1
EO-1685-1	16.5 cm	6 1/2"	Fig.2
EO-1686	32.0 cm	12 1/2"	Fig.1
EO-1686-1	32.0 cm	12 1/2"	Fig.2

Fig.1
4x4 teeth
sharp

Fig.2
4x4 teeth
blunt



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader, Blade

Olten
Instruments



REF #	SIZE cm	SIZE in
EO-1687	25.0 cm	9 3/4"

complete with
each pair
EO-1688
EO-1689
EO-1690
EO-1691
EO-1692

Cloward
Wound Spreaders, self-retaining



REF #	SIZE mm
EO-1688	40 mm
EO-1689	45 mm
EO-1690	50 mm
EO-1691	55 mm
EO-1692	60 mm

Cloward (Spare Blade)



REF #	SIZE cm	SIZE in
EO-1693	15.0 cm	6"

complete with
each pair
EO-1694
EO-1695
EO-1696
EO-1697
EO-1698

Cloward
Wound Spreaders, self-retaining



REF #	SIZE mm
EO-1694	40 mm
EO-1695	45 mm
EO-1696	50 mm
EO-1697	55 mm
EO-1698	60 mm

Cloward (Spare Blade)



REF #	SIZE cm	SIZE in	SHAPE
EO-1699	30.5 cm	12"	Fig.1
EO-1700	30.5 cm	12"	Fig.2

Fig.1
4x4 teeth
sharp

Fig.2
4x4 teeth
blunt

Beckman-Adson
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in	SHAPE
EO-1701	32.0 cm	12 1/2"	Fig.1

Fig.1
7x7 teeth
sharp

Beckman-Eaton
Wound Spreaders, self-retaining



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader, Abdominal Retractor

Olten
Instruments



REF #	SIZE cm	SIZE in	SHAPE
EO-1702	33.0 cm	13"	Fig.1

Fig.1
4x5 teeth
blunt

Adson
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in	SHAPE
EO-1703	28.5 cm	11¼"	Fig.1
EO-1704	28.5 cm	11¼"	Fig.2

Fig.1
6x6 teeth
left

Fig.2
6x6 teeth
right

Standard
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in
EO-1705	18.0 cm	7"

Gelpi
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in
EO-1706	13.0 cm	5"

Gelpi
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in
EO-1707	18.5 cm	7¼"

Gelpi
Wound Spreaders, self-retaining



REF #	SIZE cm	SIZE in
EO-1708	20.0 cm	8"

complete with
2 pairs of lateral blades
18x40 mm
27x40 mm

OPENING
< 80 mm >

Collin, Baby
Abdominal Retractor

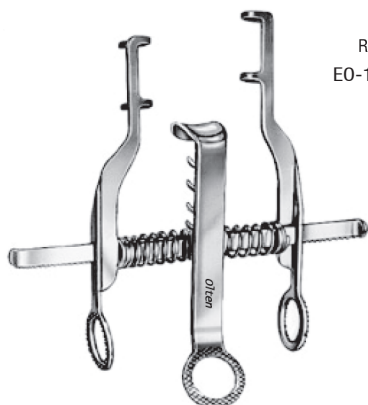


GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Wound Spreader, Thyroid & Vaginal Retractor,
Abdominal Retractor

Olten
Instruments



REF # SIZE cm SIZE in SHAPE
EO-1709 07.5 cm 3" Fig.1

Fig.1
complete with
central blade
10x18 mm

Vickers Low-Profile
Wound Spreaders, self-retaining



REF # SIZE cm SIZE in SHAPE
EO-1710 09.0 cm 3½" Fig.1

Fig.1
complete with
central blade
10x18 mm

Vickers Low-Profile
Wound Spreaders, self-retaining



REF # SIZE cm SIZE in SHAPE
EO-1711 07.5 cm 3" Fig.1

Fig.1
complete with
central blade
10x18 mm

Vickers Low-Profile
Wound Spreaders, self-retaining



REF # SIZE cm SIZE in SHAPE
EO-1712 05.0 cm 2" Fig.1

Fig.1
blunt
ring model
for thumb & fingers

Vickers
Wound Spreaders, self-retaining



REF # SIZE cm SIZE in
EO-1713 15.5 cm 6"

Joll
Thyroid and Vaginal retractor



REF # SIZE cm SIZE in
EO-1714 24.0 cm 9½"

complete with
1 pair of lateral blades
38x60 mm

Collin
Abdominal Retractor



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Abdominal Retractor, Lateral Blade

olten
Instruments



Collin
Abdominal Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1715	22.5 cm	9"	Fig. 1
EO-1716	22.5 cm	9"	Fig. 2

Fig.1
complete with
1 pair of lateral blades
38x60 mm
and central blade
38x55 mm

Fig.2
complete with
1 pair of lateral blades
40x80 mm
and central blade
50x75 mm



Collin
Abdominal Retractor

REF #	SIZE cm	SIZE in
EO-1717	31.0 cm	12 1/4"

complete with
1 pair of lateral blades
60x80 mm
and central blade
60x75 mm



Ricard
Abdominal Retractor

REF #	SIZE cm	SIZE in	SHAPE
EO-1718	28.0 cm	11"	Fig. 1
EO-1719	30.0 cm	12"	Fig. 2

Fig.1
complete with
1 pair of lateral blades
50x58 mm
and central blade
55x70 mm

Fig.2
complete with
1 pair of lateral blades
60x80 mm
and central blade
80x90 mm



Standard
Lateral Blade

REF #	SIZE mm
EO-1720	18x40 mm
EO-1721	27x40 mm
EO-1722	38x60 mm
EO-1723	40x80 mm
EO-1724	45x80 mm
EO-1725	60x80 mm



Standard
Lateral Blade

REF #	SIZE mm
EO-1726	50x70 mm
EO-1727	52x110 mm
EO-1728	70x55 mm
EO-1729	75x90 mm
EO-1730	50x58 mm
EO-1731	60x80 mm
EO-1732	72x85 mm



Gosset-Baby
Abdominal Retractor

REF #	SIZE cm	SIZE in
EO-1733	12.5 cm	5"

lateral blades
40x30 mm



GENERAL INSTRUMENTS

SELF RETRAINING RETRACTORS

Abdominal Retractor

olten
Instruments



Gosset
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1734 16.0 cm 6 1/4"

lateral blades
63x35 mm

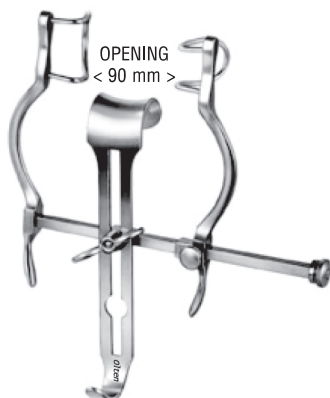
central blade
60x56 mm



Gosset
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1735 14.0 cm 5 1/2"

lateral blades
63x35 mm

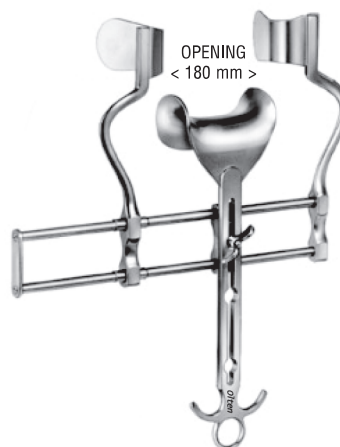


Balfour-Baby
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1736 9.0 cm 3 1/2"

lateral blades
27x28 mm

central blade
24x20 mm

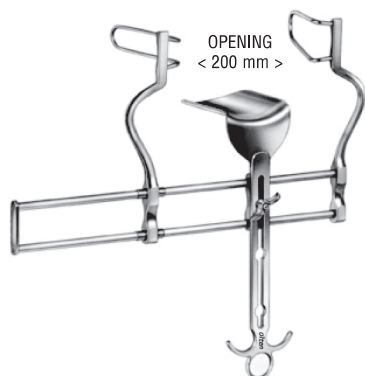


Balfour
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1737 18.0 cm 7"

lateral blades
70x35 mm

central blade
45x80 mm



Balfour
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1738 20.0 cm 8"

lateral blades
100x35 mm

central blade
100x60 mm



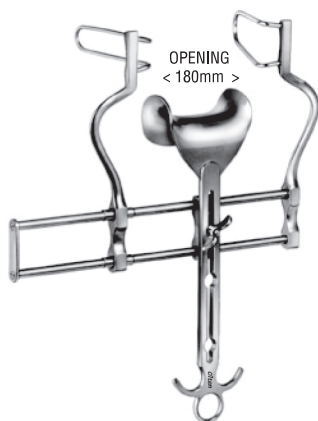
Balfour
Abdominal Retractor
Interchangeable Blade

REF # SIZE in Central Blade
EO-1739 7" (45 x 80) mm
EO-1739-1 8" (45 x 80) mm
EO-1739-2 10" (70 x 85) mm



GENERAL INSTRUMENTS
SELF RETRAINING RETRACTORS
Abdominal Retractor, Central Blade

Olten
Instruments

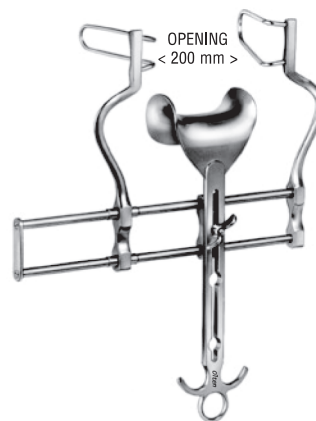


Balfour
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1740 18.0 cm 7"

lateral blades
70x35 mm

central blade
45x80 mm



Balfour
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1741 20.0 cm 8"

lateral blades
70x35 mm

central blade
45x80 mm



Balfour
Abdominal Retractor

REF # SIZE cm SIZE in
EO-1742 25.0 cm 10"

lateral blades
100x35 mm
central blade
70x85 mm



Balfour
Central Blade

REF # SIZE mm
EO-1743 45x80 mm
EO-1744 70x85 mm



O'Sullivan-O'Connor
Abdominal Retractor

REF #
EO-1745
complete with
2 fixed lateral blades,
1 blade 110x70 mm
and 2 blades
80x45 mm