



TRUST
QUALITY
INNOVATION
WORLDWIDE

PRECISION INSTRUMENTS
FOR A HEALTHIER TOMORROW

THORACIC SURGICAL INSTRUMENTS CATALOGUE

ADVANCING THORACIC CARE
THROUGH PRECISION INSTRUMENTATION

SURGERY
BUILDS
BRIGHTER
TOMORROWS



**SPECIALIZED
INSTRUMENTS**
FOR THORACIC SURGERY



PREMIUM QUALITY
GERMAN STAINLESS STEEL



**PRECISION
& DURABILITY**
YOU CAN TRUST



**SUPPORTING
SURGEONS WORLDWIDE**

*Instruments
for a Healthier Tomorrow*

BREATHING
LIVES FORWARD

INSTRUMENTS
THAT MAKE A DIFFERENCE



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WEBSITE

QUALITY

PRECISION

TRUST

A HEALTHIER TOMORROW

PRIME SURGICAL INTERNATIONAL is a global manufacturer and exporter of high-precision surgical instruments with more than 35 years of experience.

We specialize in producing premium-grade instruments for General Surgery, Orthopedics, Cardiac, Neuro, Spine, Plastic Surgery, ENT, Dental, Gynae, and Micro-Titanium applications. Our instruments are manufactured using German-grade stainless steel, advanced CNC engineering & strict micrometer level quality control. We supply hospitals, surgical centers, distributors, and OEM private-label brands in more than 45 countries worldwide.

GLOBAL STRUCTURE

1. Head Office – Singapore
 - Global corporate operations
 - ASEAN region distribution
 - Hospital vendor registration (SingHealth, NUHS, NHG, Parkway, Raffles)
 - OEM and private label partnerships
 - Import/export documentation and logistics
 - International client coordination
2. Manufacturing Unit – Sialkot, Pakistan
 - Micro & titanium instrument manufacturing
 - CNC machining, milling, grinding, forging
 - Laser marking, polishing, finishing
 - Passivation and electro-polishing
 - Packaging, sterilization, and global export dispatch

DETAILED PRODUCT RANGE

- General Surgical Instruments
- Orthopedic & Spine Instrument Sets
- Cardiac & Vascular Micro Instruments
- Titanium Micro & Microsurgical Instruments
- Microvascular & Neurosurgical Instruments
- ENT, Eye, Plastic Surgery & Gynae Instruments
- Dental & Maxillofacial Instruments
- Veterinary and Laparoscopic Surgery Instruments
- Orthopedic Implants & External Fixators
- Medical Power Tools (Drills, Saws, Attachments)
- Custom and OEM surgeon-requested instruments

CERTIFICATIONS & QUALITY ASSURANCE

- ISO 9001:2015 Certified
- ISO 13485:2016 Compliant
- CE Certified Instruments
- GMP-Compliant Manufacturing
- German stainless steel material
- Micrometer-level inspection and precision QC
- Award-Winning Manufacturer (2021–2024)

WHY CHOOSE PRIME SURGICAL INTERNATIONAL?

- 35+ years of manufacturing excellence
- OEM and Private Label specialists
- Precision engineering with German-grade steel
- Skilled craftsmanship for micro and titanium instruments
- Wide global distribution network (45+ countries)
- Fast delivery and professional communication
- Complete documentation for international tenders

PRIME THORACIC SURGICAL INSTRUMENT'S CATALOGUE

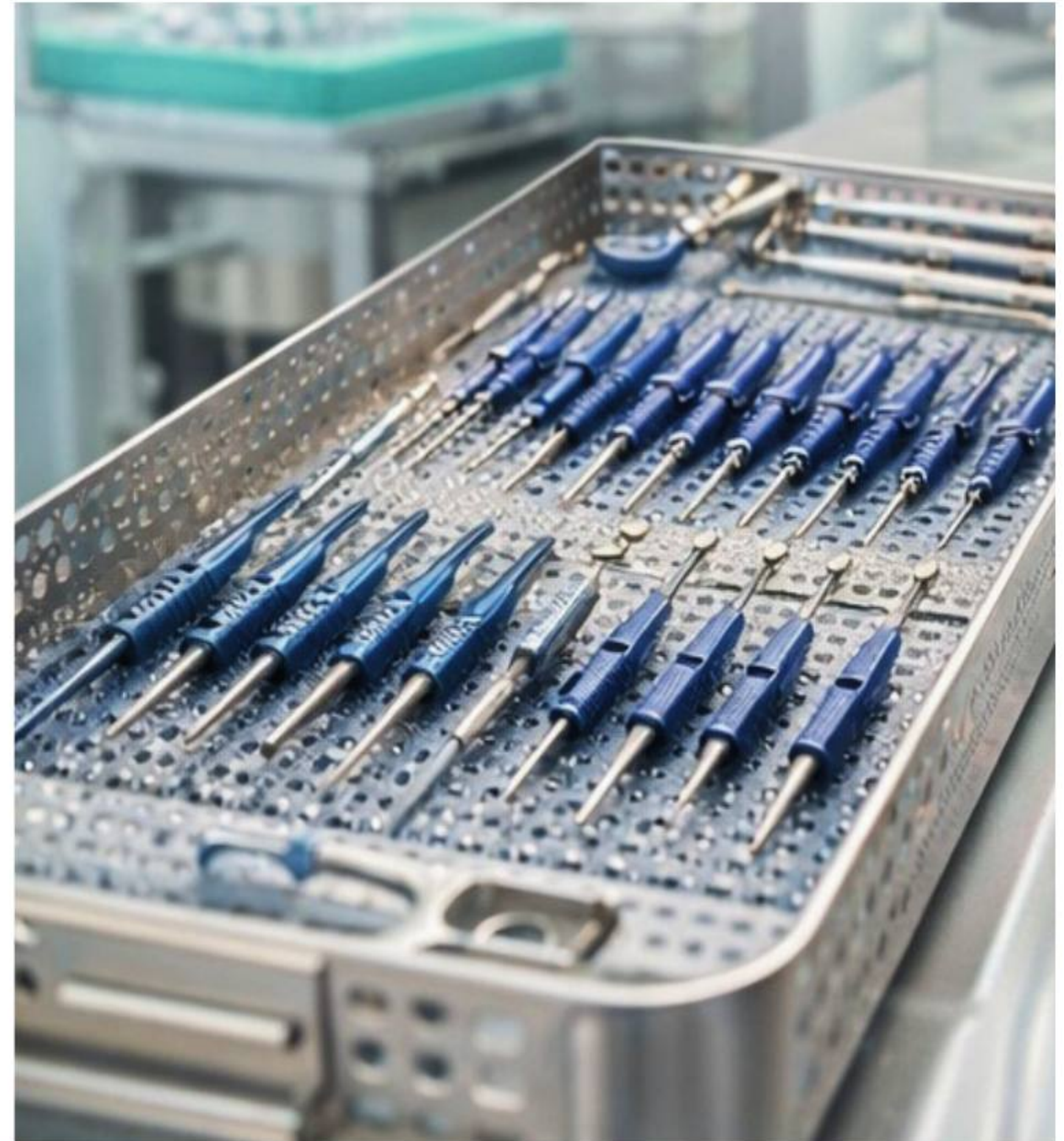


PRIME Surgical International (PSI) is pleased to introduce this new edition instruments catalogue. In this catalogue you will find the entire **PRIME Surgical Instruments** product line covering both reusable and single use medical devices for cataract, vitreoretinal, refractive and general ophthalmic surgery.

PRIME Surgical International is a leading global Re-useable Surgical company that is solely focused on protecting, enhancing, and restoring people's eyesight. Our core businesses include All category's pharmaceuticals, contact lenses and lens care products, and ophthalmic surgical devices and instruments. We globally develop, manufacture and market one of the most comprehensive product portfolios in our industry, which are available in more than 75 countries. Founded in 1949, our company is headquartered in Singapore, and employs more than 4800 people worldwide.

Further information is available at
www.primesurgicalinternational.com

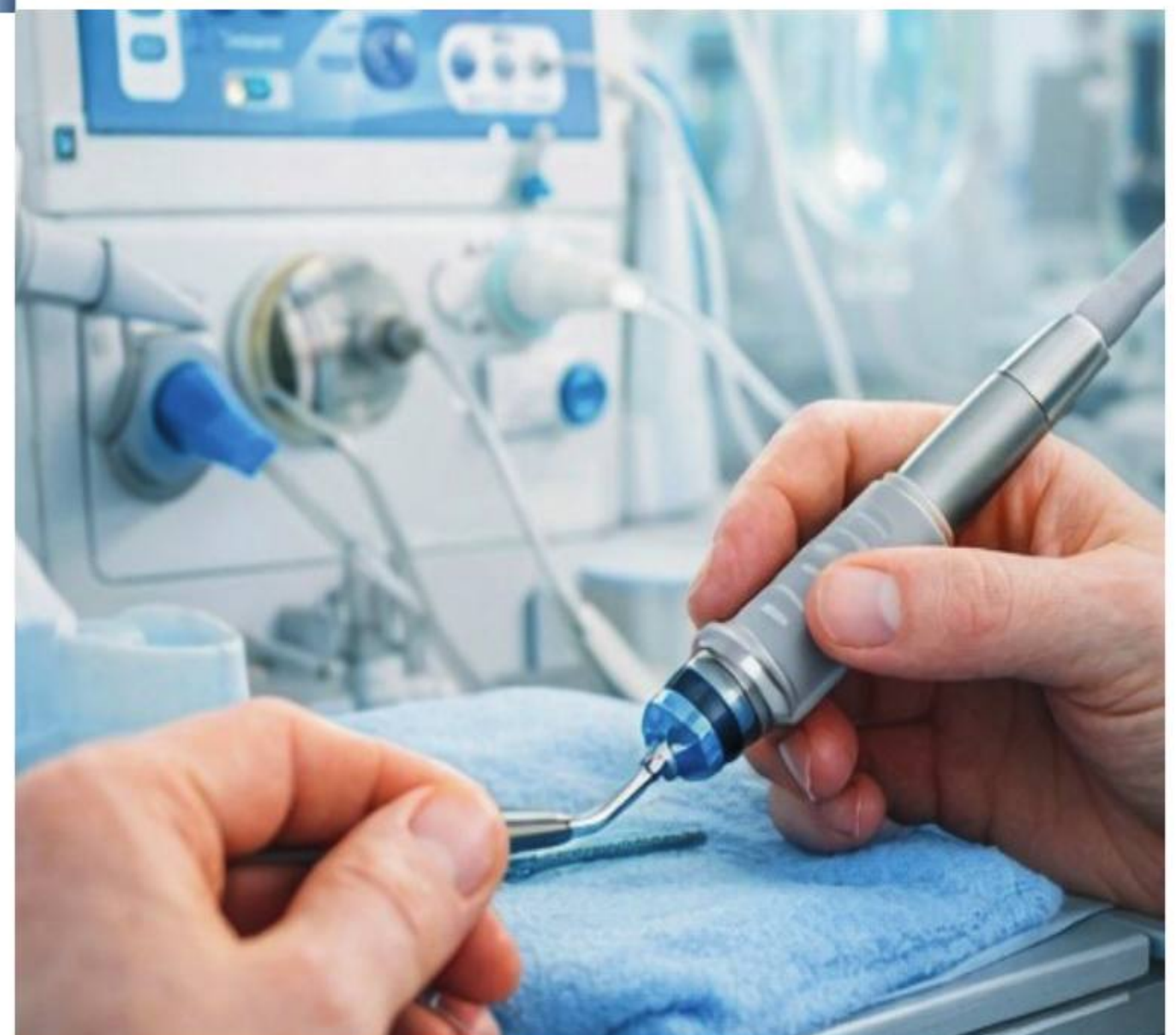




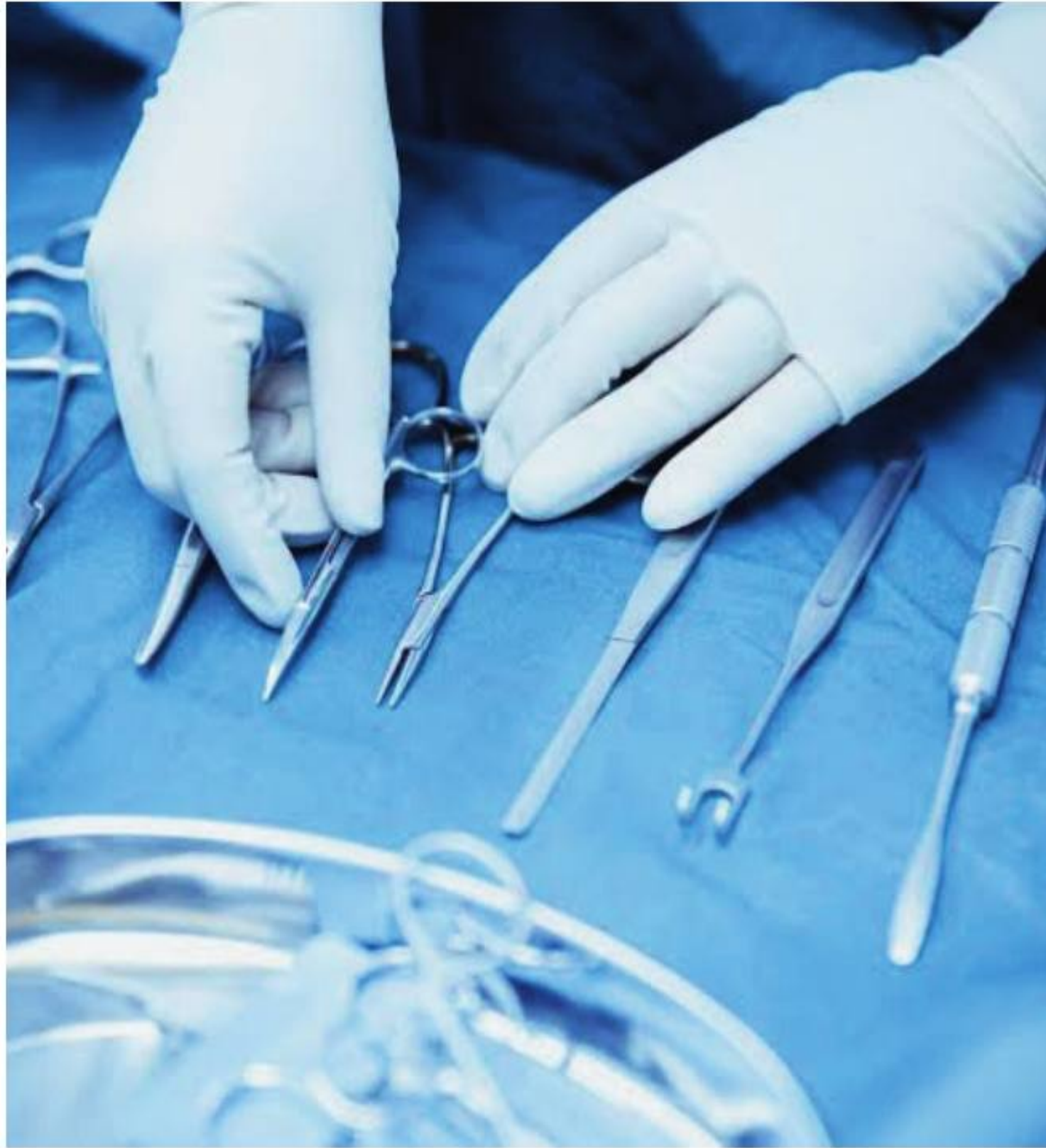
Surgical Instruments

Trusted Quality.
Leading Design.

PRIME Surgical provides surgeons with the tools and technology to perform all the latest techniques for the treatment of cataracts and vitreoretinal conditions.



PRIME THORACIC SURGICAL INSTRUMENT'S



For over 100 years, PRIME SURGICAL Instruments have been recognized around the world for industry leading quality and innovation. Each of our surgical instruments are designed, manufactured and tested with surgeons involved throughout the entire process. This ensures the instruments delivered from our Manufacturing Centers of Excellence exceed quality and performance expectations.

The history of **PRIME SURGICAL INTERNATIONAL** began in 1920 when, after four years of training in many countries Mr. Hassan to set up a surgical manufacturing company in his homeland. This soon became the major craft of Sialkot and his fine design and workmanship made his products desired in the finer homes of World.

PRIME SURGICAL was set up in India in 1920 and after separation he shifted his company in Sialkot. In 1997 Mr. Hassan transfer his legacy of surgical excellency to his grandson, Mr. Zia ur Rahman Baig and Mrs Saeeda. And they travelled to Europe and other countries to establish the distribution network for the company and they establish their head quarter in Singapore. Zia ur Rahman Baig also travelled to the French capital, where he studied how to make surgical instruments as per international SOPs. He returned to Sialkot and developed the production lines as per GMP and ISO standards.

Mr. Zia ur Rahman Baig learned the art of surgical instrument-making from his grand father and his father and added to this his experience in the design and manufacture of instruments at England. He emigrated to the United States in 1893 and was actively designing and supervising surgical instrument manufacture until his retirement in 1960, a year before his death in his ninetieth year.

PRIME SURGICAL International to offer a wide range of surgical products, including a full range of microsurgical instruments for ophthalmology, offering surgeons support in achieving the best surgical outcomes using their preferred techniques.

PRIME SURGICAL International SURGICAL Instruments produces the finest instruments to satisfy the individual needs of surgeons by providing trusted quality and leading design at their fingertips.

Trusted Quality

PRIME Surgical continues its rich heritage of instrument making by designing and manufacturing the finest microsurgical instruments in the world. Its manufacturing facilities in Germany, England, USA and Pakistan offer not only the most skilled and experienced craftsmen, but also employ the latest technological advancements known in the industry.

A key to the success of PRIME Surgical International has been its ability to maintain hand-crafted excellence, while adapting to an ever-changing surgical environment with the latest instrument designs. The integration of laser technology has helped in the manufacturing process by ensuring consistency in the quality of the instruments produced.

PRIME Surgical International maintains a strong Quality culture across the company. All products and facilities are certified according to ISO 13485 and ISO 9001, CE and GMP as well as according to the European Medical Devices Directive 93/42/EEC, Annex II to ensure compliance with CE marking requirements.



Made in Germany



Made in England



Made in USA



Made in Pakistan



Made in Singapore

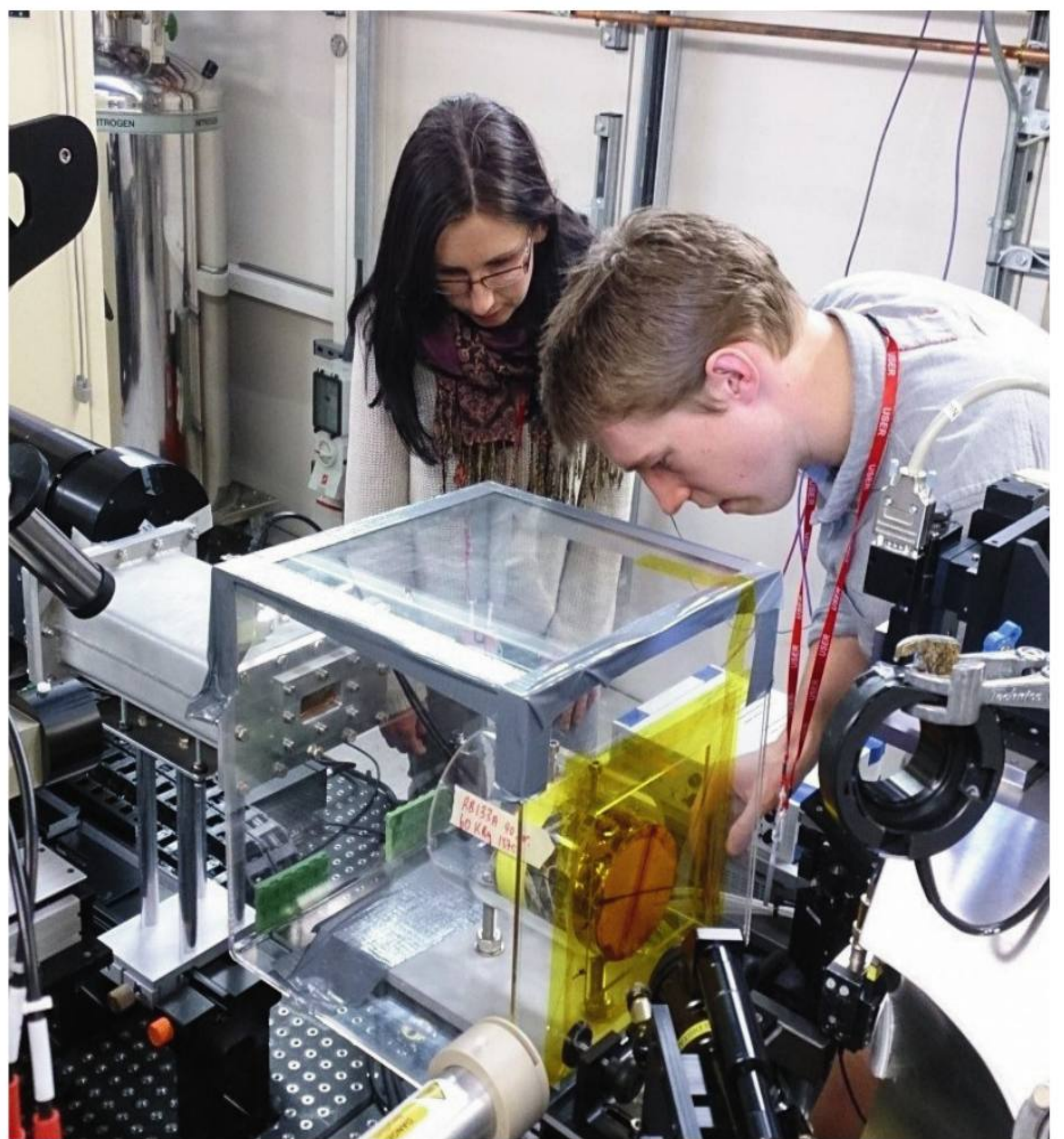
Leading Design

We know the best ideas come from those with firsthand experience using our instruments. That is why we work with surgeons around the globe on creating new instruments that meet the challenges of modern surgical techniques with the goal to provide the finest patient care possible.



All surgical instruments eventually require maintenance and repair. PRIME Surgical International is perfectly suited to recondition your instruments. The PRIME Surgical International maintenance of value service guarantees to return your instrument to “like new” condition and preserve your investment, ensuring long-lasting service at a fraction of the cost of replacement. Instrument repairs are performed by master craftsmen with the highest skill level.

**Maintenance
of Value Service in USA, Germany,
England, Singapore and Pakistan**



Instruments are repaired and refurbished in a very short time, usually 7 to 10 working days.

For the most up-to date overview of available instruments, visit our online catalogue:

www.primesurgicalinternational.com

For information or Customer Service please contact your local PRIME Surgical representative or distributor.



PRIME SURGICAL INTERNATIONAL®

PRIME SURGICAL ... THE INSTRUMENT PEOPLE

PRIME SURGICAL IS INSTRUMENTS...

For more than 30 years **PRIME SURGICAL** has provided its customers quality, innovation and integrity in surgical instrumentation. With corporate headquarters in **Singapore**, **PRIME SURGICAL** has been able to offer its customers the combination of American and German excellence.

PRIME SURGICAL IS COMMITMENT...

We are committed to delivering high quality surgical instruments in today's intense health care cost environment. In addition, **PRIME SURGICAL** is committed to identifying new and innovative technology. **PRIME SURGICAL** is committed to education by providing our customers experienced operation room specialists to support the training and development needs of the operating room and central service departments. **PRIME SURGICAL** has a steadfast commitment to the satisfaction of each of our customers' needs.

PRIME SURGICAL IS SERVICE...

The Hawthorne, New York distribution center maintains the industry's most comprehensive inventory to guarantee our 99% fill rate. **PRIME SURGICAL** service starts with our Regional Managers and Specialty Medical Device Dealers who provide technical and clinical support for both the operating room and the central service departments. The **PRIME SURGICAL** Custom Inventory Management Services (CIMS) program provides our customers value-added services for the day-to-day successful management of all instrument needs.

PRIME SURGICAL IS QUALITY...

All instruments are manufactured from the highest-grade surgical stainless steel, which is ground, polished and sharpened to perfection. All **PRIME SURGICAL** instruments are 100% inspected for smoothness, ergonomics and the "feel" that surgeons demand of a surgical instrument.



MADE IN SINGAPORE

MADE IN PAKISTAN



MADE IN ENGLAND

MADE IN USA



MADE IN GERMANY



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PRIME SURGICAL ... THE INSTRUMENT PEOPLE

PRIME SURGICAL IS INNOVATION...

The product development team has introduced new and innovative instruments in collaboration with leading surgeons around the world. This development effort has resulted in making **PRIME SURGICAL** a leader in laparoscopic surgical instruments and general instrumentation.

PRIME SURGICAL IS VALUE...

Our customer is the most valuable asset to **PRIME SURGICAL**. We value your trust in **PRIME SURGICAL**, and we understand the investment a hospital makes when purchasing instruments. We are committed to meet both the clinical and financial needs of the hospital, recognizing the cost containment pressures our customers face today.

PRIME SURGICAL GUARANTEE / WARRANTY

All **PRIME SURGICAL** Instruments are unconditionally guaranteed against defects in material and workmanship. **PRIME SURGICAL** will, at its option and without charge, either repair or replace any instrument which **PRIME SURGICAL** determines to be defective in material or workmanship when used for its intended surgical purpose.

All instruments sold by **PRIME SURGICAL** are warranted only to the original purchaser and only against defects in workmanship or materials which under the intended use render such instruments inoperable.

All **PRIME SURGICAL CARB-BITE** and **PRIME SURGICAL CARB-EDGE** instruments are further warranted for a period of three (3) years under normal use. Should any adjustment become necessary during this warranty period, CARB-EDGE Scissors will be resharpened, and CARB-BITE Needle Holder jaws inserts will be replaced, without charge.

The autoclavable feature of the **Autoclavable Laparoscope** is covered under a special one (1) year limited warranty.

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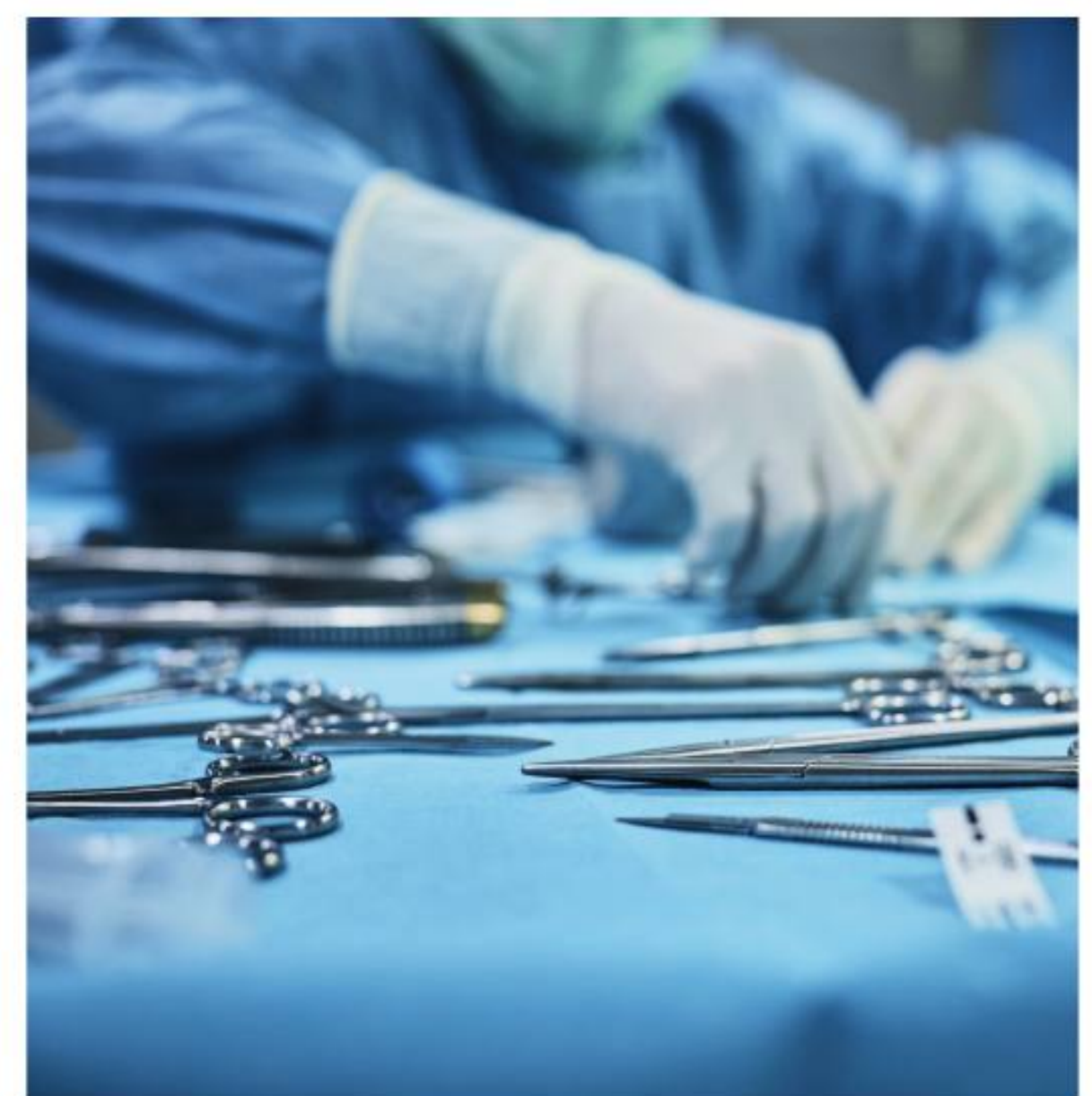
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This Guarantee / Warranty shall be void in the event any **PRIME SURGICAL** instrument is used for purposes other than its originally intended, is not maintained or cleaned properly, is damaged as a result of misuse or accident, or is repaired or altered by unauthorized persons.

The above is a limited warranty, and it is the only warranty made by **PRIME SURGICAL**. **PRIME SURGICAL** makes no other warranty, express or implied, including any warranty of merchantability and fitness for a particular purpose, as well as any express or implied warranty to patients. **PRIME SURGICAL** shall have no liability for consequential, exemplary or incidental damages even if it is aware of the possibility of such damages. No warranty or guarantee may be created by any act or statement nor may this warranty be modified in any way, except as a result of a writing signed by an officer of **PRIME SURGICAL**. These limitations on the creation or modification of this warranty may not be waived or modified orally or by any conduct. The stated express warranty is in lieu of all liabilities or obligations of **PRIME SURGICAL** arising out of, or in connection with, the delivery, use or performance of any **PRIME SURGICAL** instrument. **PRIME SURGICAL** neither assumes nor authorizes any representative or other person to assume for it any other liability in connection with **PRIME SURGICAL'S** products.

INSTRUMENT CARE AND HANDLING

Every hospital owns many thousands of dollars' worth of surgical instruments. The care and maintenance that these instruments receive is critical to their performance during surgery and to the cost containment efforts of the hospital. With consistent and proper technique during the use, care, and handling of these surgical instruments, the hospital can expect several years of use from its investment in these quality products.





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MANUFACTURE

Metallurgical research has enabled instrument makers to produce accurate, long-lasting surgical instruments. The steel used in most O.R. instruments is a 400 series alloy which has several useful properties. It can be brought to a very sharp cutting edge and will hold this edge through continuous use. In addition, the high tensile strength enables it to maintain precisely set jaw approximations. The metal is often referred to as stainless because of its corrosion resistance qualities. A chromium content ranging from 11.5% to 18% gives the steel some of its stainless characteristics. During manufacturing, a surface layer of chromium oxide begins to develop on the instrument and provides the instrument with corrosion resistance properties. Through routine hospital use and exposure to the air this oxidation process continues, effectively maintaining and even building up a barrier to most stains and corrosive elements.

INSPECTION OF ALL INSTRUMENTS

All PRIME SURGICAL instruments are carefully inspected before shipment. Because damage may occur during transit, the instrument should be thoroughly inspected upon receipt. All instruments must be inspected prior to use.

Indications for Use:

PRIME SURGICAL instruments are designed to perform a specific function, such as cutting, grasping, clamping, dissecting, probing, retracting, draining, aspirating, suturing or ligating. For use by, or as directed by, a surgeon. Instruments should be used only for the purpose for which they are designed. The proper surgical technique for the use of instruments is the responsibility of the surgeon.





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Handling and Operating Instruments:

PRIME SURGICAL instruments should be handled and operated by personnel completely familiar with their use, assembly and disassembly. Before a new instrument is used and prior to each surgical procedure the instrument must be decontaminated, lubricated and sterilized as described below.

Handle the instrument with care. The instrument must be inspected to assure proper functioning prior to each use with particular attention paid to the condition of all moving parts, tips, box locks, ratchets and cutting edges. Each instrument with a screw must be inspected before and after use to ensure that the screws do not move when operating the instrument. Screws can loosen and back out of an instrument as a result of normal operation and/or the vibration during ultrasonic cleaning. Failure to make a complete inspection to assure the proper operation and function of the instrument may result in unsatisfactory performance, perhaps because a part is missing. Do not use if the instrument does not appear to be functioning properly. Use of an instrument for a task other than that for which it is intended could result in a damaged or broken instrument, or one which provides an unsatisfactory performance. In order to insure PRIME SURGICAL warranties and guarantees, instruments in need of repair should be sent to PRIME SURGICAL.

Precautions:

After cleaning, especially ultrasonic cleaning, check screws on instruments because the vibration from the ultrasonic cleaning may cause them to loosen or fall out. For electrosurgical instruments, use the least amount of power appropriate for the application. For electrosurgical cables, disconnect from the generator or instrument by grasping the connector only. Do not pull the cable by the cord. Do not use instrument or cable if insulation is not fully intact.

PRIME SURGICAL instruments are supplied non-sterile and must be cleaned, lubricated and sterilized prior to use according to hospital protocol and the procedures outlined in this document. Failure to follow these procedures will invalidate the instrument's warranty and can cause the instrument to fail.

Inappropriate use of instruments will lead to damage that is usually not repairable; for example, a hemostat that is used to clamp tubing can become misaligned and quickly break.



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DECONTAMINATION AND STERILIZATION

PROCEDURES

As with any decontamination procedure, personnel should follow accepted guidelines for hand washing, the use of protective attire, etc. as recommended by A.A.M.I. Standards and Recommended Practice, "Comprehensive Guide to Steam Sterilization and Sterility Assurance in Health Care Facilities", ANSI/AAMI ST79:2006. Disinfection or sterilization cannot be accomplished without first thoroughly cleaning medical devices/equipment.

I. SURGICAL INSTRUMENT CARE AND HANDLING.

CAUTION:

Always consult the package insert and/or instructions for use that accompany the surgical instrument/device for any specific information that is important to properly process that particular item. A variety of these package inserts/instructions for use are included in the back of this catalog and can be found at:

www.Integra-LS.com/PRIME SURGICAL.

DECONTAMINATION is a two-step process

First step – thorough cleaning and rinsing.

Second step – sterilization or disinfection

A. MANUAL DECONTAMINATION

PRECLEANING:

Remove gross debris from surgical instruments with a lap sponge and sterile water routinely during the procedure to prevent the drying of blood, body fluids, etc. It is important to rinse instruments that have been exposed to blood and saline solution before these substances dry. Blood and body fluids as well as saline solutions are highly corrosive. In addition, blood can produce a stain that is difficult to remove.



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PREPARING THE ENDOSCOPE FOR TRANSPORT TO DECONTAMINATION:

Maintain moisture: Place the endoscope into an instrument tray and cover with a surgical towel moistened with sterile water. Transport tray with the soiled endoscope in an impervious plastic bag or covered container to the decontamination environment (keep the outside of the containment clean).

CLEANING:

To prevent the formation of biofilm, cleaning should occur as soon as possible after instrumentation is used. Biofilm is an accumulation of a biomass of bacteria and extracellular material that tightly adheres itself to the surface of the instruments. It cannot be easily removed, and protects microorganisms from being easily removed by ordinary cleaning/decontamination methods used in hospitals. It is particularly problematic in lumened medical devices.

DO NOT immerse the endoscope in any solution, including sterile water for more than 30 minutes.

Step 1. Pre-Rinse, as necessary with tap water.

Step 2. Enzymatic Soak: Prepare the solution and use per enzyme manufacturer's recommendations, paying special attention to instructions for correct dilution, temperature and soak time. Immerse the rigid endoscope in an enzymatic solution, specific for use with this type of medical device. Flush air from the rigid endoscope with enzymatic solution, while immersed, for full contact with the inner surface during the soak time.

Step 3. Rinse: Remove the endoscope from the enzymatic soak after the time period recommended by the enzymatic manufacturer and copiously rinse with tap water until it runs clear.

Step 4. Clean Endoscopes: Use a small clean soft-bristled brush, to clean the optical portions of the scope while immersed in a neutral pH cleaning solution. Clean the shaft of the scope by wiping with a soft cloth, such as a disposable lap sponge. Clean the distal window, eyepiece window and fiber optic find the light post with a cotton tip, non-plastic applicator or (soft cloth) moistened with 70% isopropyl alcohol. Never use sharp instruments to remove soil.



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Step 5. Rinse: Thoroughly rinse the rigid endoscope by immersing in clean tap water and wiping with a clean, soft cloth. Flush the endoscope until water runs clear. Be certain the distal window, eyepiece window and the light post are rinsed well so that visualization is clear.

Step 6. FINAL RINSE should be with “treated water”.

Softened or deionized water should be used for the final rinse to better remove detergents etc.

- Softening water removes calcium and magnesium ions that cause water to be hard. Iron ions may also be removed.

- Deionization removes ionized salts and particles from the water. Excessively hard water can spot or stain endoscope and excessive chlorine in water can cause pitting.

- **Deionized water is preferred for the final rinse.**

Step 7. Visual Inspection: Visually inspect the endoscope for cleanliness. Inspect the lens for visual clarity. Check the image quality by holding the scope up to the light. Look through the lens to see if it is clear, and for any distortions, defects, residue or fingerprints. Inspect the entire scope for rough surfaces, sharp edges or other signs of damage that require repair before use.





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DECONTAMINATION AND STERILIZATION

PROCEDURES

Step 8. Dry: Endoscopes must be thoroughly dried with a soft cloth before sterilization or storage. Remaining moisture may result in corrosion. Gentle medical grade compressed air may be used to dry the lumen.

B. MECHANICAL DECONTAMINATION

Only use mechanical washing/decontamination equipment programs, and solutions that are designed and recommend by the washer manufacturer as safe and effective for processing rigid endoscopes. The risk of damage to the endoscope with mechanical cleaning methods can be much higher than cleaning the instruments by hand. Only thermal-neutral processes should be used, and they must process in a neutral pH environment (e.g. enzymatic cleaning solutions). The temperature should not exceed 93°C (199.4°F). The mechanical washer must be equipped with fixtures that secure the instruments so they are not damaged during the washing cycle.

Instruments with channels or stopcocks need to be attached to the scope irrigation flushing connections provided with the washer equipment. It is important that all inner and outer surfaces of the endoscope be cleaned and rinsed. Any residue on the fiberoptic surfaces can cause damage and reduce light transmission.

C. NON-AUTOCCLAVABLE SCOPE STERILIZATION

Disinfection or sterilization cannot be accomplished without first thoroughly cleaning medical devices/equipment.

- **DO NOT** steam sterilize the non-autoclavable scope.
- **DO NOT** dry heat sterilize the non-autoclavable scope.

PRIME SURGICAL non-autoclavable scopes are ready for Ethylene Oxide (EO) sterilization or high-level disinfection, after following the cleaning method described.


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- **The endoscope must be thoroughly dry before EO sterilization** to avoid the formation of a harmful byproduct (ethylene glycol) that may not be removed by aeration. The pressure should not be removed by aeration. The pressure should not exceed 22 psi and the temperature should not exceed 60°C (140°F). See also, AAMI Standards and Recommended Practices, **"Ethylene Oxide Sterilization in Health Care Facilities", ANSI/AAMI ST41:1999.**

AAMI standards recommend that the sterilizer manufacturer's written instructions for minimum cycle parameters should also be followed.

The endoscope must be thoroughly dry before high level disinfection, so not to dilute the disinfecting solution below appropriate "use dilution". Follow the procedures for using the cold disinfecting solution as recommended by the manufacturer of the product.

DO NOT allow the scope to exceed 30 consecutive minutes in any solution, including sterile water. Extended exposure to liquids can damage the endoscope.

D. AUTOCLAVABLE SCOPE USING STEAM

STERILIZATION:

After following the above cleaning method, PRIME SURGICAL autoclavable scopes are ready for steam sterilization. Independent laboratory testing, conducted according to the F.D.A (21 CFR PART 58) and Good Laboratory Practice Regulations (GLP), has validated steam sterilization as an effective sterilization process for PRIME SURGICAL reusable autoclavable scopes. The pressure should not exceed 30 psi and the temperature should not exceed 134°C (273°F) for a maximum of 20 minutes and 121°C (250°F) for a maximum of 30 minutes.

The unwrapped instruments were validated to be sterile using a 3 minute, 132°C (270°F) gravity cycle and a 4 minute, 132°C (270°F) pre-vacuum cycle.

See also, AAMI Standards and Recommended Practices, "Comprehensive Guide to Steam Sterilization and Sterility Assurance in Health Care Facilities", ANSI/AAMI ST79:2006. AAMI standards recommend that the sterilizer manufacturer's written instructions for cycle parameters should also be followed.



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Medical Device manufacturer's exposure times to sterilization temperature may need to be longer than the minimum indicated by the sterilizer manufacturer but must never be shorter.

After sterilization, the scope must be allowed to cool at room temperature. **DO NOT** attempt to accelerate the normal cooling process to prevent damage to the endoscope.

For additional information and in servicing assistance regarding instrument care and handling, contact your local PRIME SURGICAL representative, or call PRIME SURGICAL Technical Service Department at +65 9004 6134.

MAINTENANCE PROCEDURES

Improper, ineffective, and insufficient maintenance can greatly reduce the life of an instrument and will invalidate the instrument's warranty. We cannot make any statement about how long an instrument will last. Designed and crafted to exacting specifications, instruments will perform for a reasonable number of years when the following steps are observed:

Protect Instruments:

The most effective method of dealing with instrument problems is to prevent them from occurring. The use of "treated water", careful preliminary cleaning, the use of neutralized pH solutions, adherence to manufacturer's instructions, and visual inspection, will help to keep instruments performing accurately and cosmetically free of troublesome stains. It is important to act quickly should a problem arise. Delay will compound the problem and irreparable harm may result.

Certain compounds are highly corrosive to stainless steel and will cause serious damage despite the passivated protective surface. If instruments are inadvertently exposed to any of the following substances, they should be rinsed immediately with copious amounts of water.



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Instruments should never be exposed to:

- Aqua regia
- Ferric chloride
- Hydrochloric acid
- Iodine
- Sulfuric acid

The following substances should be avoided whenever possible:

- Aluminum chloride
 - Barium chloride
 - Bichloride of mercury
 - Calcium chloride
 - Carbolic acid
 - Chlorinated lime
 - Dakin's solution
 - Mercury chloride
 - Potassium permanganate
 - Potassium thiocyanate
 - Saline
 - Sodium hypochlorite
 - Stannous chloride
- Any kind of corrosion will lead to rust on steel. Because rust particles can be transferred from one instrument to another, corroding instruments should be removed from service to prevent the formation of rust on other instruments.
 - Instruments must be sterilized in the open position or disassembled as appropriate. Steam will only sterilize the surface it can directly touch.
 - Every effort should be made to protect sharp cutting edges and fine working tips during all maintenance procedures. Avoid loading retractors and other heavy items on top of delicate and hollow instruments.


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Diagnosing Spots and Stains:

It is common for instruments to become stained or spotted despite the best efforts of the manufacturers and the hospital staff. In nearly all cases these problems are the result of minerals deposited upon the surfaces of the instruments, as well as insufficient cleaning. Adhering to proper technique during cleaning and sterilizing procedures will prevent most staining occurrences. However, they will sometimes arise very suddenly and will not disappear on their own. The following identifies some of the various instrument-related problems hospitals may encounter:

Brown Stains:

Detergents containing polyphosphates dissolve copper elements in the water. This results in copper being deposited on the instruments by an electrolytic reaction. The hospital may try a different detergent or check the quantities used. Usually, a dull blue or brown stain is simply a build-up of oxidation on the surface. This film is harmless and will actually protect the instrument from serious corrosion.



Blue Stains:

Blue stains are usually the result of cold sterilization techniques. It is important to prepare the solution according to exact proportions and to change the solution when recommended. Serious corrosion may occur if the solution is used beyond the manufacturer's specified time limit. The use of distilled water and a rust inhibitor in the solution will help retard discoloration.



Black Stains:

Black stains may be the result of contact with ammonia. Many cleaning compounds contain ammonia and it will remain on the instruments unless they are well rinsed.




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Light or Dark Spots:

Spots are often the result of condensation pooling and then drying on flat and concave instrument surfaces. The mineral content of the water remains on the instrument. Using “treated water” as the FINAL rinse will help to remove the minerals from preparing instrument sets for sterilization; and on single instruments that have flat and concave surfaces “one edge” will enable the condensation to drain more readily dry, usually without spotting. An additional cause of spotting can be traced to the instrument wrappers. During laundering procedures, it is vital that detergents are thoroughly rinsed out, and that the final rinse is prepared so that the wraps have a pH between 6.8 and 7.0. In addition, healthcare professionals should check the cleanliness of the sterilizer chamber. Steam can lift soil and poorly rinsed chamber cleaning detergents from the chamber walls and deposit them onto instruments and wrappers.



Rust Deposits:

It is very unlikely for surgical grade steel to rust. What appears to be rust is often residual organic matter in box locks or mineral deposits which have been baked onto the surface of the instrument. In localities where the water has a high iron content, for example, an iron deposit will result in a metallic film on the instrument. This may be prevented with the use of “treated water” for the FINAL rinse during cleaning procedures



NOTE: The PRIME SURGICAL guarantee will not be applicable if the instruments are continually exposed to acidic solutions with a pH of 5 or lower; or alkaline solutions with a pH of 9 or higher.

For additional information and in servicing assistance regarding instrument care and handling, contact your local PRIME SURGICAL representative, or call PRIME SURGICAL Technical Service Department at +65 9004 6134



PRIME SURGICAL INTERNATIONAL®

PRIME SURGICAL ... THE INSTRUMENT PEOPLE

RETURNED GOODS POLICY

Products must be returned in unopened packages with manufacturer's seals intact to be accepted for replacement or credit unless returned due to a complaint of product defect. Determination of a product defect will be made by Integra. Products will not be accepted for replacement if they have been in the possession of the customer for more than 90 days.

REPAIRS AND MAINTENANCE

Should your instruments require repair or maintenance, contact Integra for return authorization and address. Instruments returned to Integra for repair must have a statement testifying that each instrument has been thoroughly cleaned and sterilized. Failure to supply evidence of cleaning and disinfection will result in a cleaning charge and delayed processing of your instrument repair.

PRODUCT INFORMATION DISCLOSURE

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PRIME SURGICAL ... THE INSTRUMENT PEOPLE

Instructions to read the catalogue and some abbreviation:

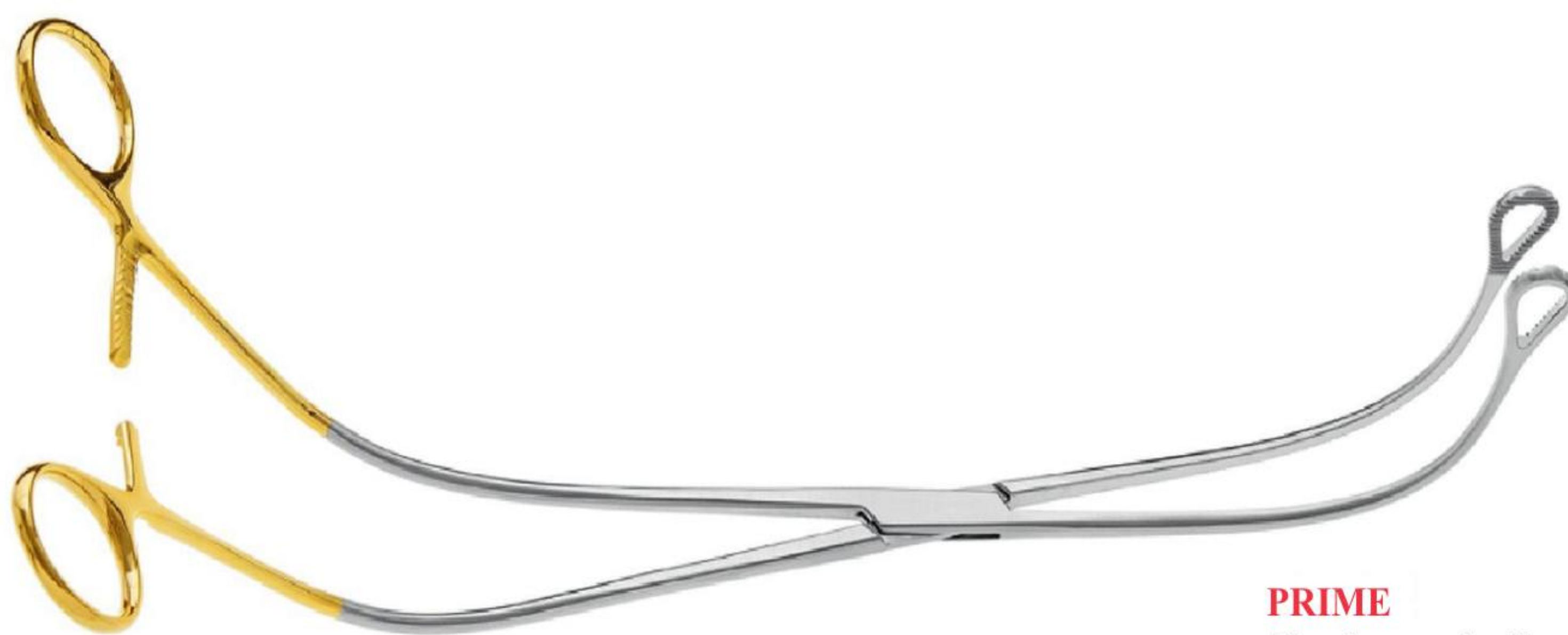
Abbreviations

SS	Stainless Steel
TC	Textion Carbide
BC	Black Coated
TIT	Titanium

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PRIME VASCULAR SURGERY

Vascular Clamps and Forceps



PRIME

Ring forceps for thoracic surgery

310mm, 12 $\frac{1}{4}$ " **PTI-A0001**

TIT SS TC BC



PRIME

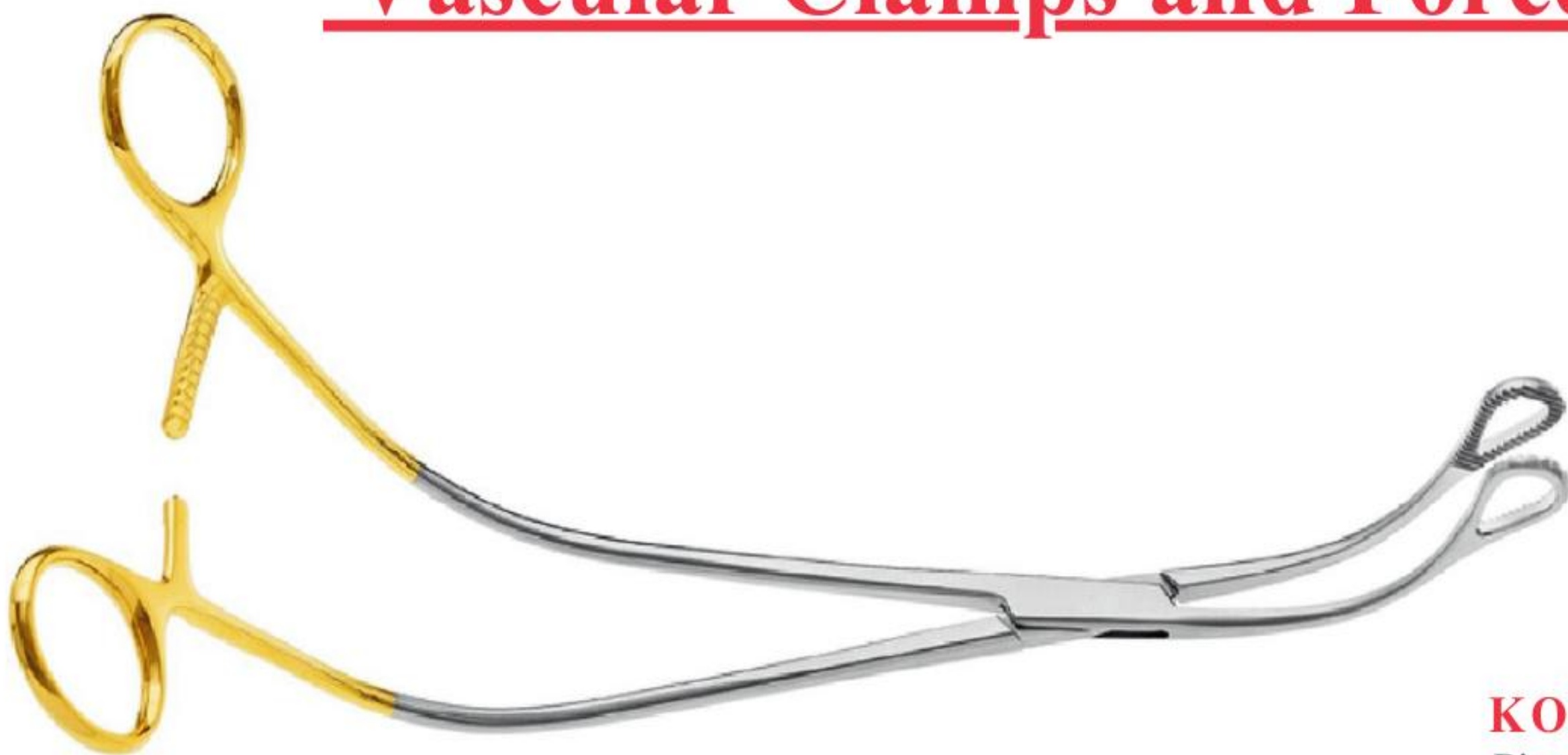
Clamp with DeBakey serration

310mm, 12 $\frac{1}{4}$ " **PTI-A0002**

TIT SS TC BC



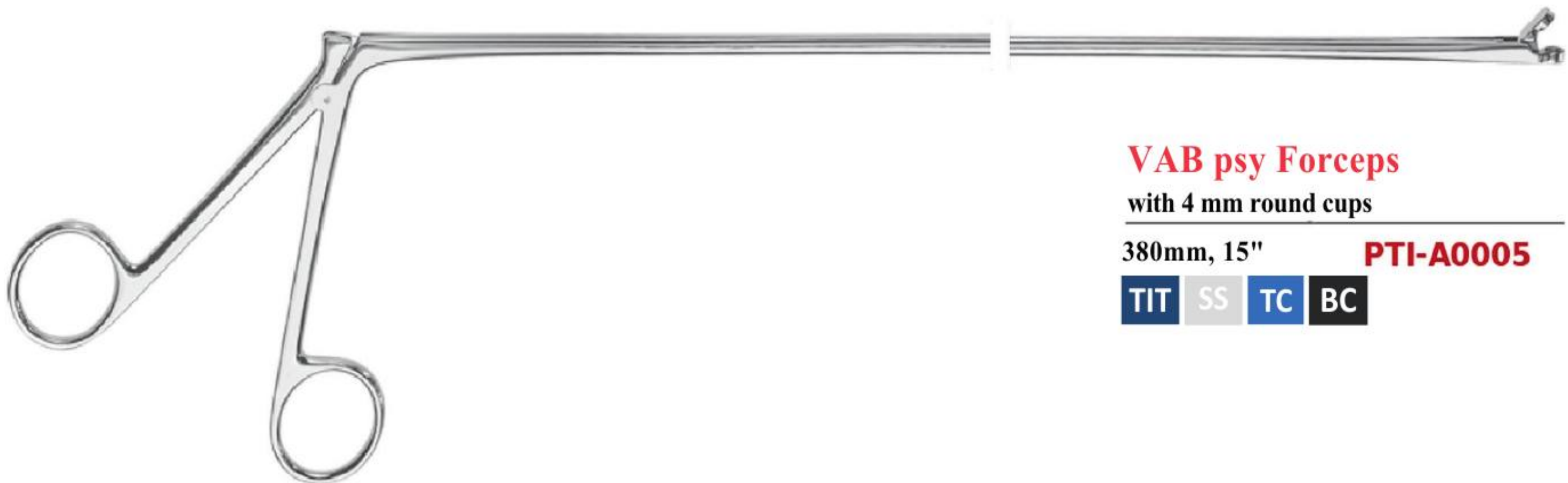
VASCULAR SURGERY
Vascular Clamps and Forceps



KONIG
Ring forceps for thoracic surgery
255mm, 10"
A0003
TIT SS TC BC



KONIG
T-Clamp with DeBakey serration
305mm, 12"
A0004
TIT SS TC BC



VAB psy Forceps
with 4 mm round cups
380mm, 15"
PTI-A0005
TIT SS TC BC

VASCULAR SURGERY

VATS INSTRUMENT



Chest Tube Passer, Ø 10mm shaft,
160mm working length, without ratchet

TIT SS TC BC

250mm, 9⁷/₈"

PTI-A0006

280mm, 11"

PTI-A0007

155mm working length, with ratchet

240mm, 9¹/₂"

PTI-A0008

280mm working length, with ratchet

355mm, 14"

PTI-A0009



FOERSTER

left curved, oval shape,
Ø 7mm shaft, 230mm working length

335mm, 13¹/₄"

PTI-A0010

Ø 10mm shaft, 240mm working length

340mm, 13¹/₃"

PTI-A0011



DUVAL

left curved, triangular shape, 10mm jaw width
Ø 10mm shaft, 230mm working length

TIT SS TC BC

330mm, 13"

PTI-A0012

25mm jaw width

235mm working length

330mm, 13"

PTI-A0013



Dissecting Forceps, left curved,
Ø 7mm shaft, 230mm working length

340mm, 13¹/₃"

PTI-A0014



VATNODEmp

11mm, working length 230mm,
with ratchet, Ø5mm shaft, 330mm, 13"

TIT SS TC BC

straight

PTI-A0015

left curved

PTI-A0016



VASCULAR SURGERY

VATS INSTRUMENT



ALLIS

left curved, 6mm jaw width

Ø 7mm shaft, 240mm working length

330mm, 13"

PTI-A0017

TIT SS TC BC

DEBAKEY

1x2 teeth, Ø 10mm shaft,

65mm jaw length, 230mm working length

330mm, 13"

PTI-A0018

TIT SS TC BC

75mm jaw length, 250mm working length

340mm, 13^{1/3}"

PTI-A0019

100mm jaw length, 255mm working length

360mm, 14^{1/4}"

PTI-A0020

2x3 teeth,

100mm jaw length, 250mm working length

350mm, 14"

PTI-A0021

COOLEY

1x2 teeth, Ø 10mm shaft,

240mm working length, 345mm, 13^{1/2}"

with ratchet

PTI-A0022

TIT SS TC BC

without ratchet

PTI-A0023

HARKEN

1x2 teeth, Ø 10mm shaft, without ratchet,

250mm working length, Fig. 1

355mm, 14"

PTI-A0024

TIT SS TC BC

270mm working length, without ratchet, Fig. 2

370mm, 14^{1/2}"

PTI-A0025

1x2 teeth, Ø 10mm shaft, with ratchet

250mm working length, Fig. 1

355mm, 14"

PTI-A0026

270mm working length, with ratchet, Fig. 2

370mm, 14^{1/2}"

PTI-A0027

D'AMICO

Ø 10mm shaft, 110mm jaw length

270mm working length, 370mm, 14^{1/2}"

straight

PTI-A0028

TIT SS TC BC

curved

PTI-A0029



Fig. 1

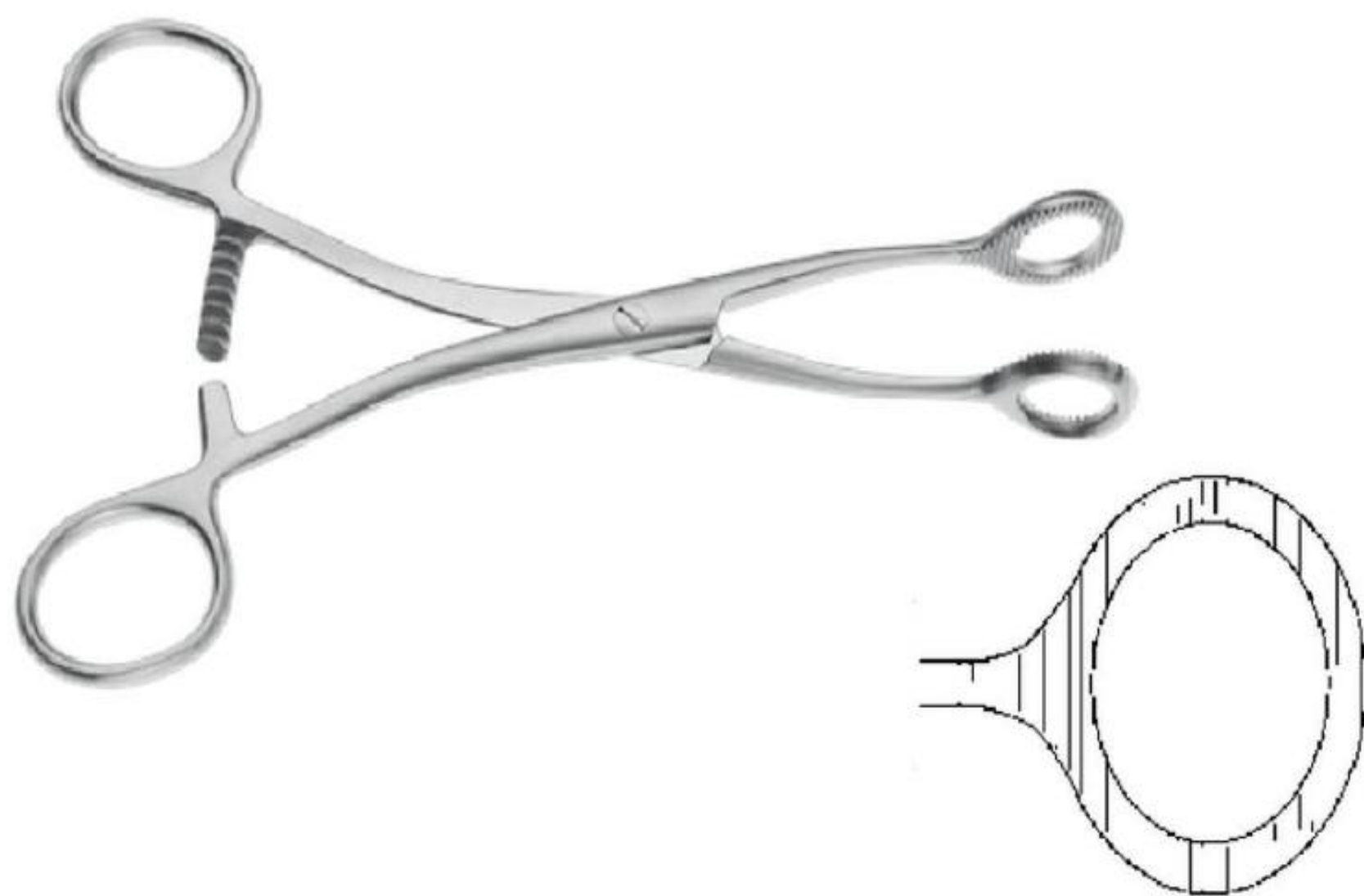


Fig. 2



VASCULAR SURGERY

VATS INSTRUMENT



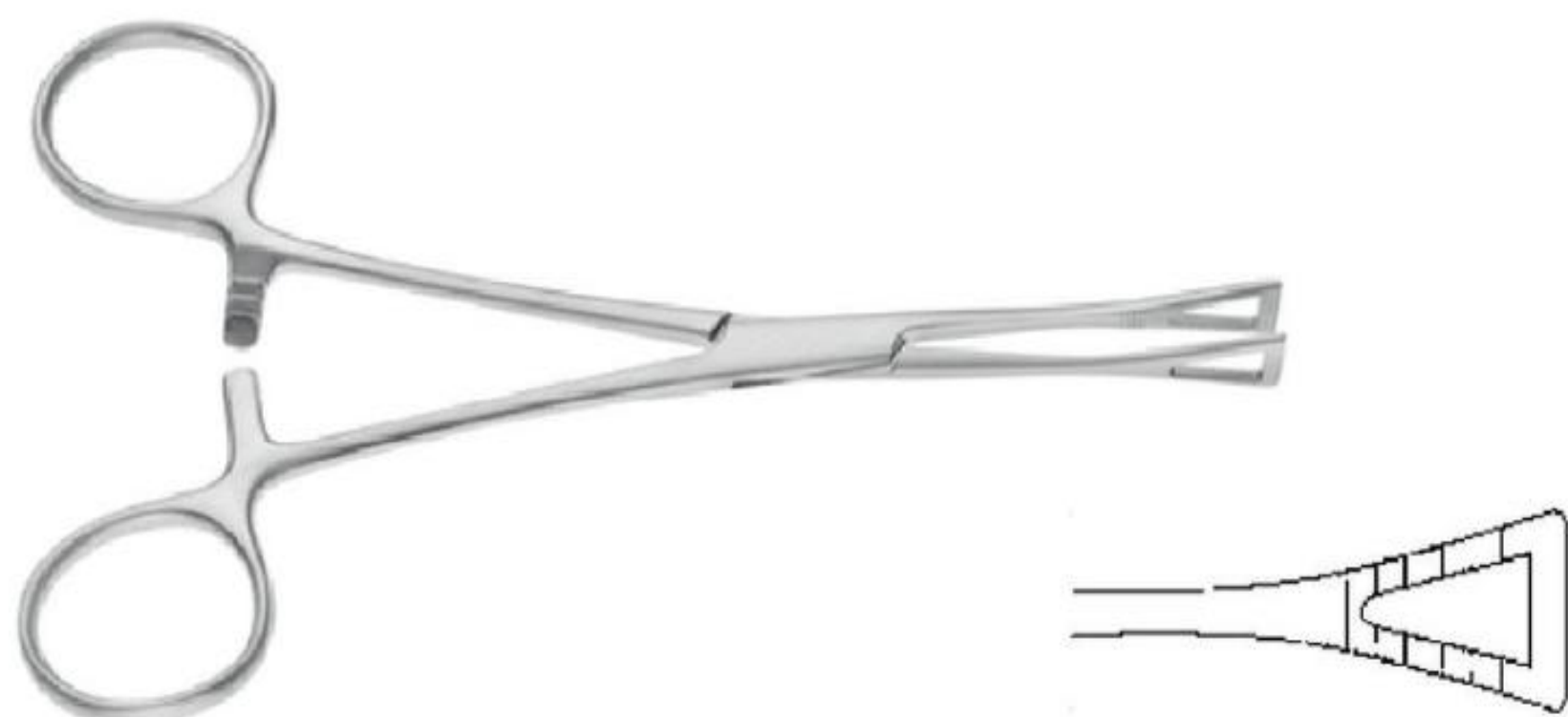
COLLIN

Hemostatic Forceps

160mm, 6 1/4"

PTI-A0030

TIT SS TC BC



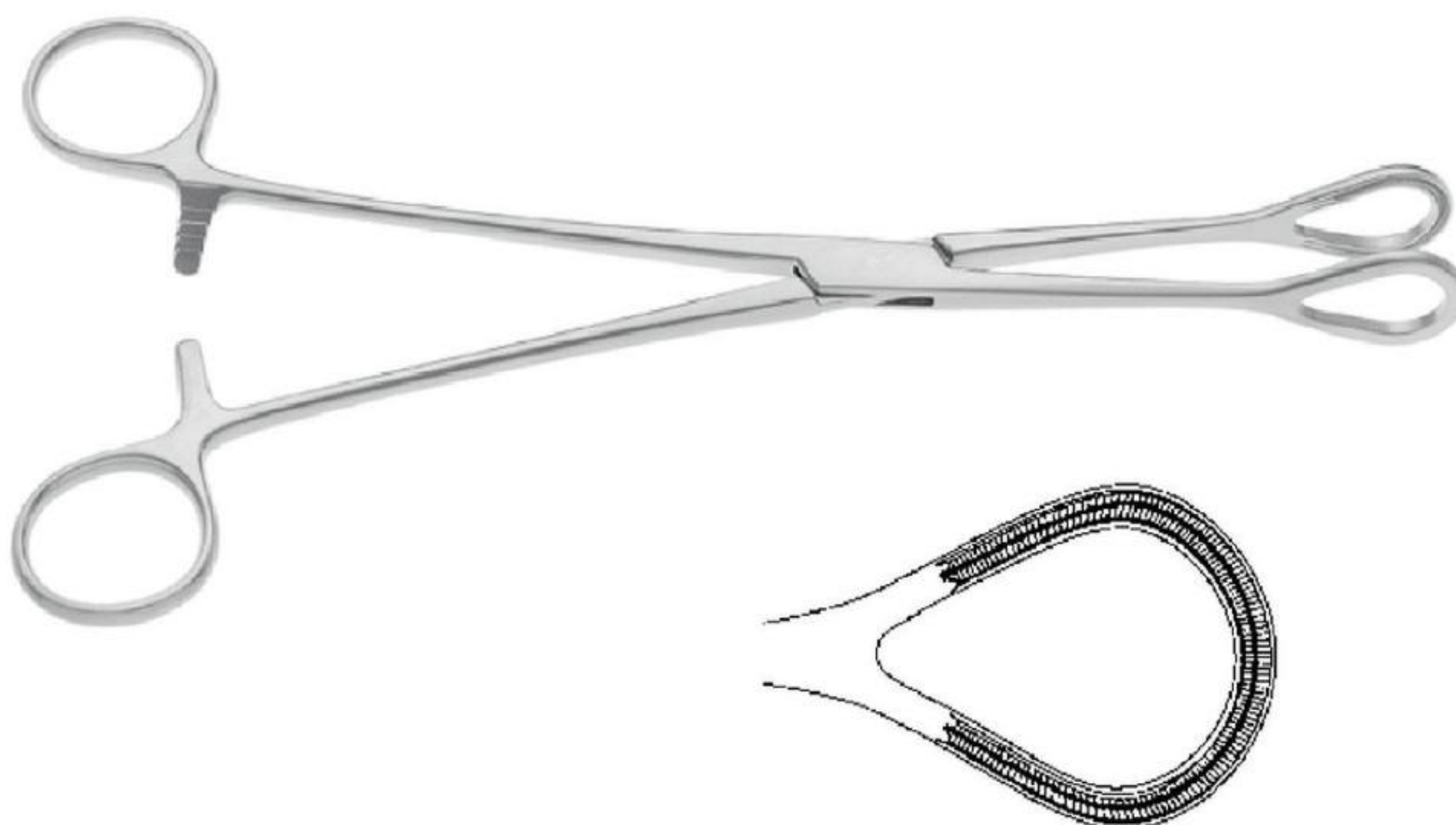
PENNINGTON

Tissue Holding Forceps

155mm, 6 1/8"

PTI-A0031

TIT SS TC BC



DEBAKEY

Intestinal and Organ Grasping Forceps,
atraumatic serrations, small ring

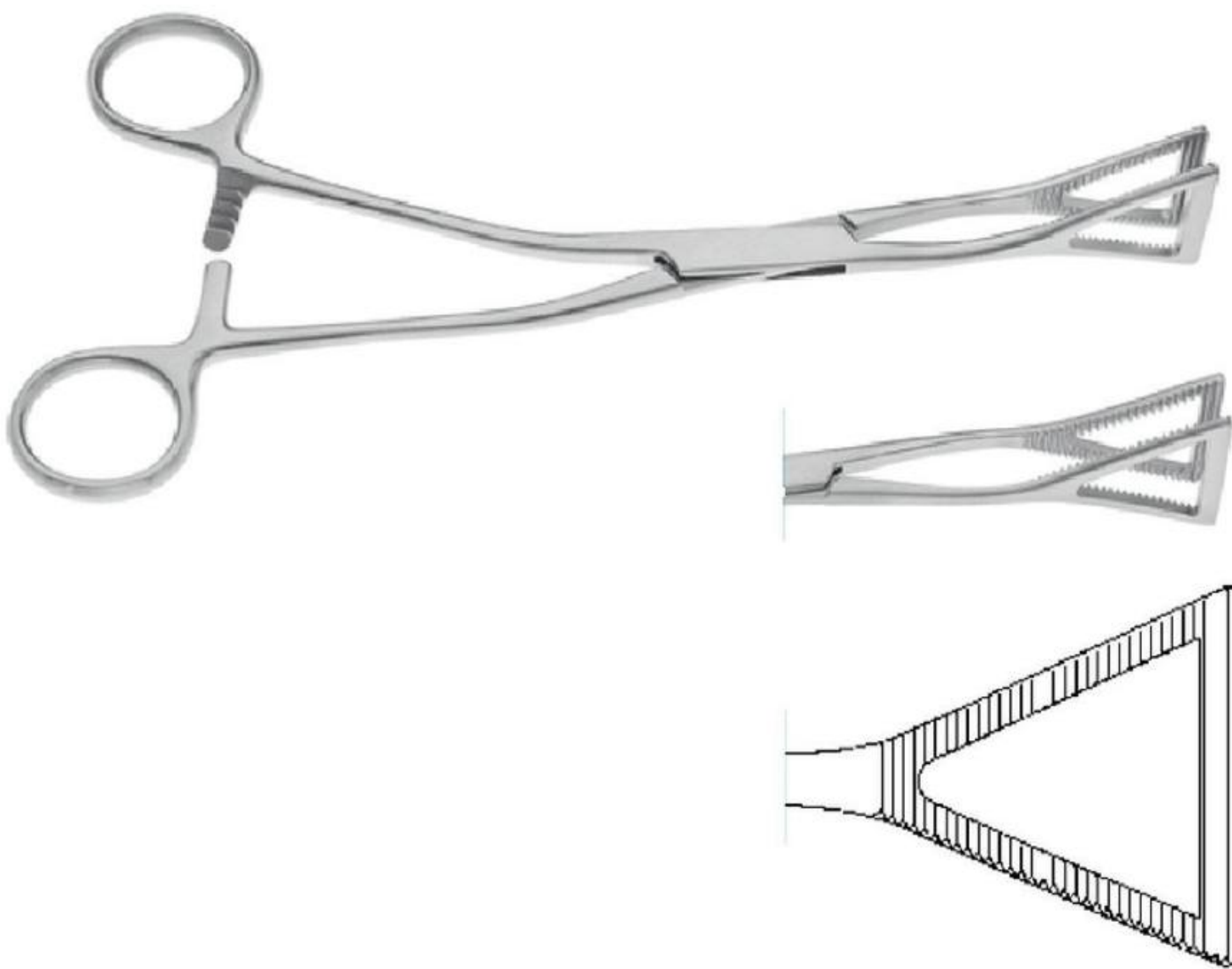
260mm, 10 1/4"

PTI-A0032

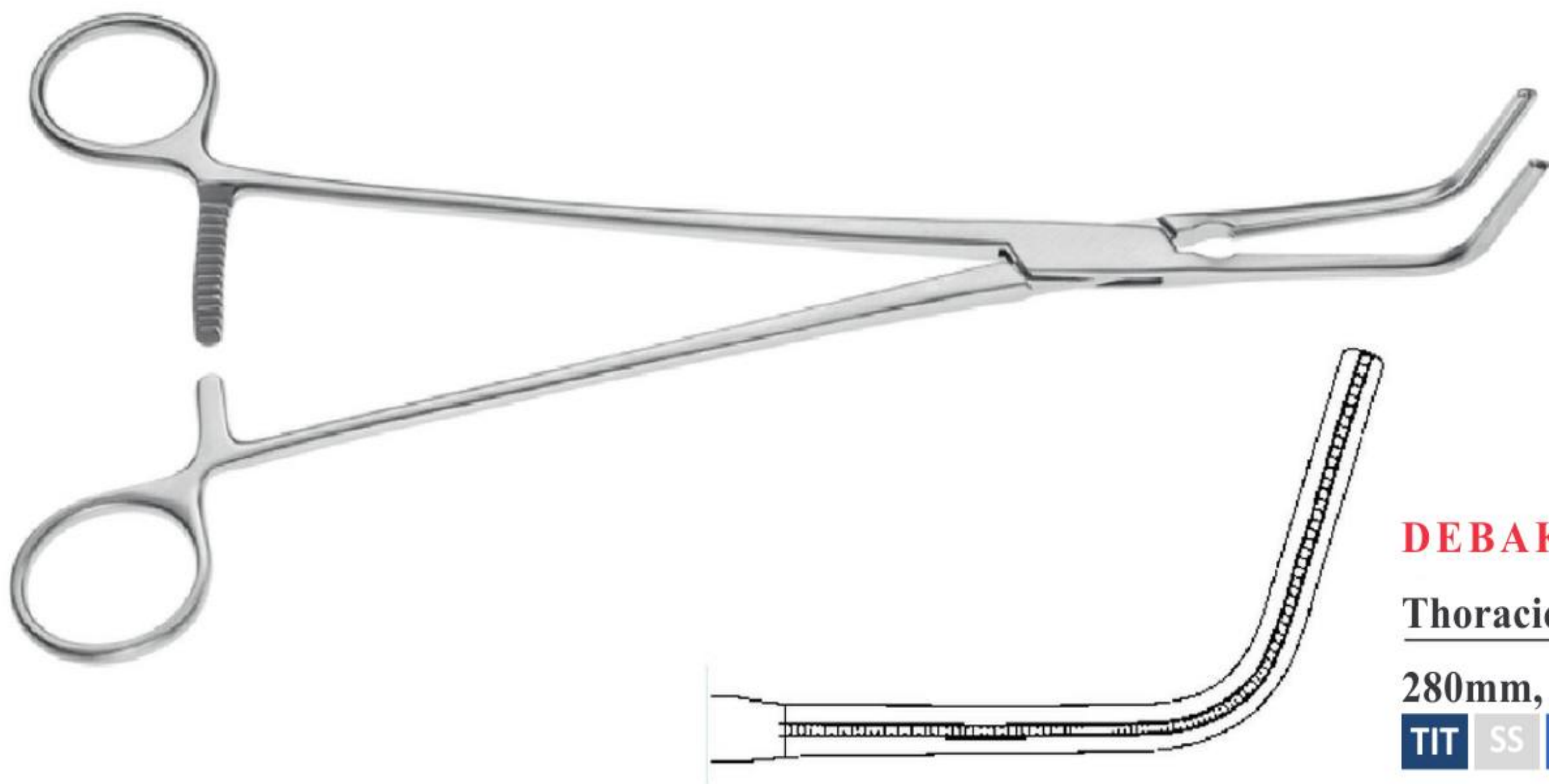
TIT SS TC BC



VASCULAR SURGERY
VATS INSTRUMENT



LOVELACE
Lung Grasping Forceps, 200mm, 8"
straight **PTI-A0033**
curved **PTI-A0034**
TIT SS TC BC



DEBAKIMIXTER
Thoracic Forceps, strong serration
280mm, 11" **A0035**
TIT SS TC BC



VASCULAR SURGERY
RIB SHEARS



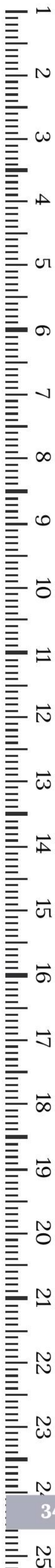
Rib Shears
230mm, 9" **PTI-A0036**
TIT SS TC BC



Rib Shears
220mm, 82/3" **PTI-A0037**
TIT SS TC BC



GLUCK
Bone/Rib Shears
220mm, 82/3" **PTI-A0038**
TIT SS TC BC



VASCULAR SURGERY

RIB SHEARS



BETHUNE
Rib Shears
345mm, 135/8" **PTI-A0039**
TIT SS TC BC

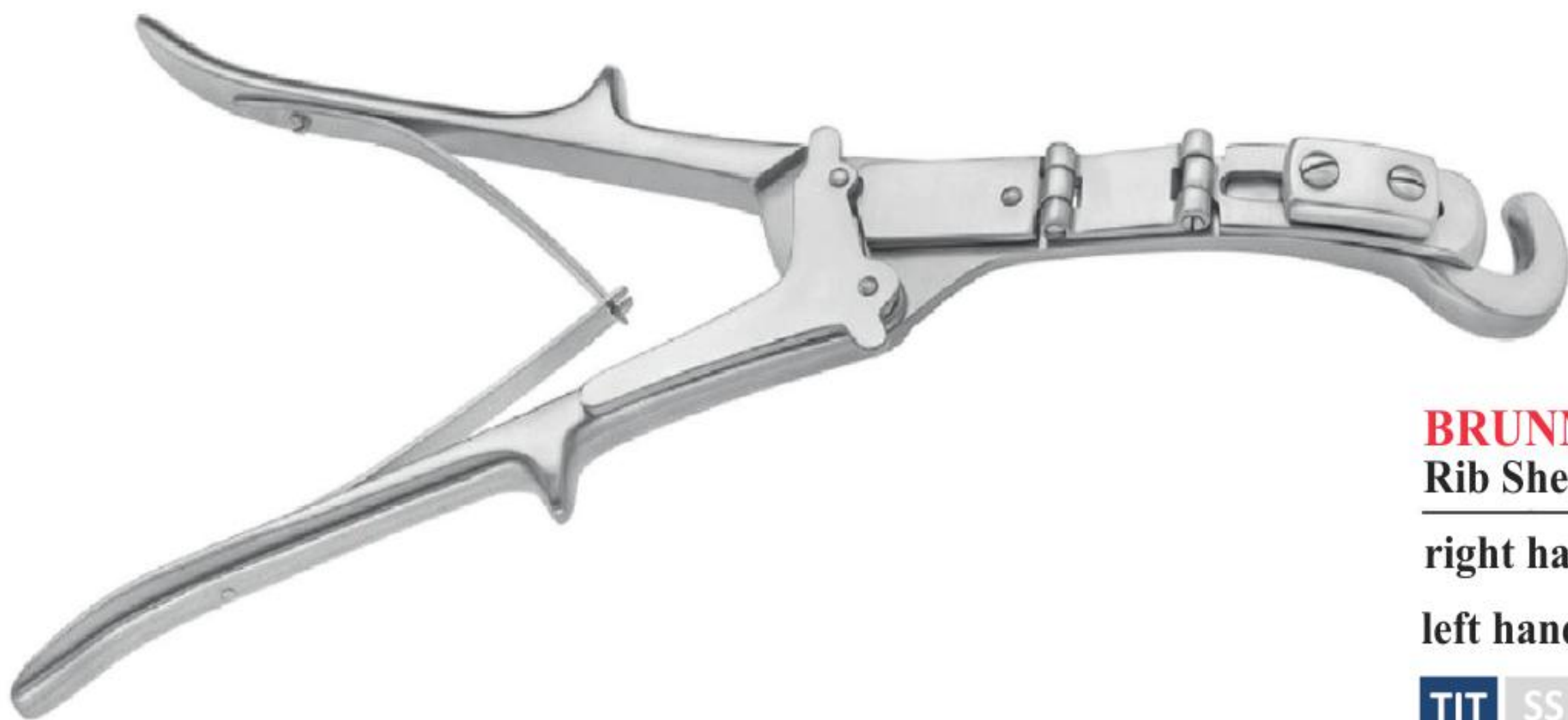


SAUERBRUCH
Rib Shears
260mm, 101/4" **PTI-A0040**
TIT SS TC BC



GIER STILLE
Rib Shears, double action
250mm, 97/8" **PTI-A0041**
TIT SS TC BC

VASCULAR SURGERY
RIB SHEARS



BRUNNER
Rib Shear, 280mm, 11"
right hand **PTI-A0042**
left hand **PTI-A0043**
TIT SS TC BC



VEHMEHREN (TUDOR EDWARDS)
Costotome
240mm, 9 1/2" **PTI-A0044**
TIT SS TC BC



SWEET
Sternum Punch
230mm, 9" **PTI-A0045**
TIT SS TC BC



VASCULAR SURGERY
RIB RASPATORIES



S E M B			
Raspatory, hollow handle, 190mm, 7 1/2"			
12 mm			PTI-A0046
230mm, 9"			
12mm			PTI-A0047
13 mm			PTI-A0048
13 mm			PTI-A0049
15 mm			PTI-A0050
TIT	SS	TC	BC



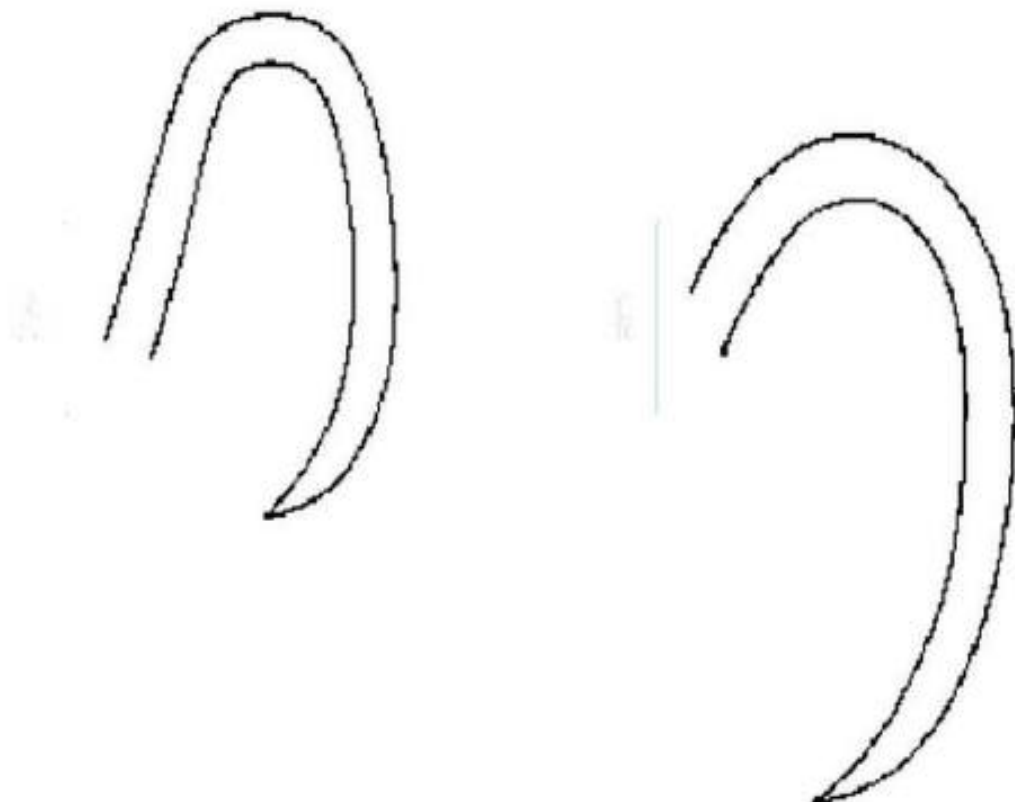
S E M B			
Bone Holding Forceps, laterally curved			
190mm, 7 1/2"			PTI-A0051
without ratchet			
190mm, 7 1/2"			PTI-A0052
TIT	SS	TC	BC



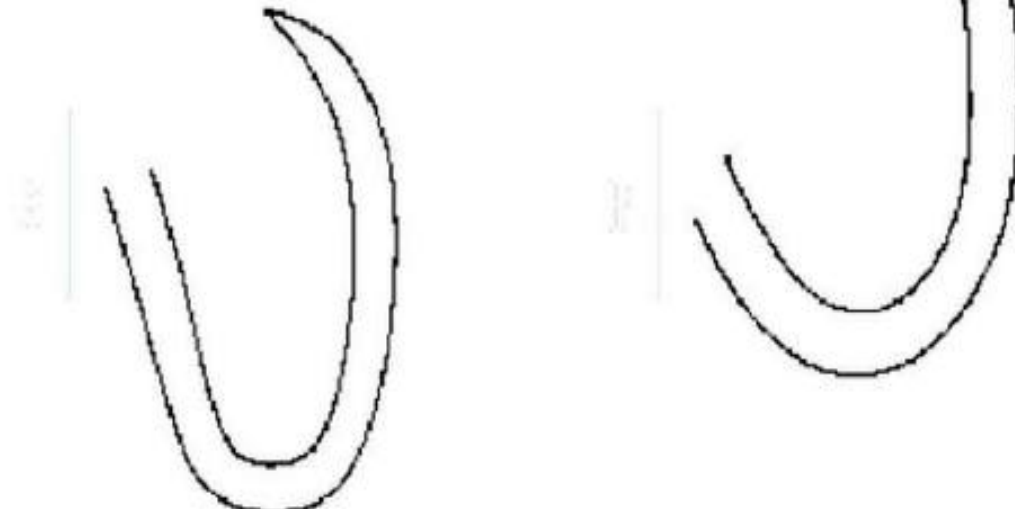
VASCULAR SURGERY
RIB RASPATORIES



LEBSCHKE
Sternum Chisel
245mm, 92/3" **PTI-A0053**
TIT SS TC BC



DOYEN
Rib Raspatory, 175mm, 67/8"
right, adults **PTI-A0054**
left, adults **PTI-A0055**
TIT SS TC BC



DOYEN
KID KUSpatory, 175mm, 67/8"
right, children **PTI-A0056**
left, children **PTI-A0057**
TIT SS TC BC



VASCULAR SURGERY
VATS RIB SPREADERS



Mini Thoracotomy Retractor,
double hinge, set with 2 blades pairs
36 x 55/36 x 40mm, detachable crossbar
PTI-A0058

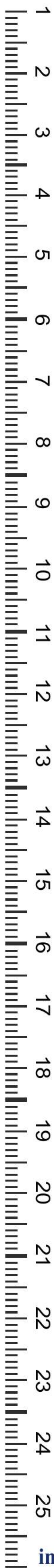
Blade Pair			
40 x 70mm	PTI-A0059		
Blades, 280mm length			
95 x 18mm	PTI-A0060		
95 x 22mm	PTI-A0061		
TIT	SS	TC	BC



Mini Thoracotomy Retractor
36 x 45mm blades **PTI-A0062**
36 x 60mm blades **PTI-A0063**
36 x 80mm blades **PTI-A0064**
TIT SS TC BC



Miernotomy Retractor,
complete with U-Blade 38mm, 2x french hooks
120mm, 43/4" **PTI-A0065**
TIT SS TC BC



VASCULAR SURGERY

RIB SPREADERS



FINOCHIETTO

Micro Neonatal Rib Spreader

27 x 12 x 10mm (length/width/depth)

35mm spread **PTI-A0066**

TIT SS TC BC



FINOCHIETTO BABY

Rib Spreader, straight arms

51 x 15 x 13mm **PTI-A0067**

(length/width/depth)

55mm spread

75mm spread **PTI-A0068**

60 x 21 x 18mm (length/width/depth)

51 x 15 x 13mm **PTI-A0069**

(length/width/depth)

80mm spread

TIT SS TC BC



FINOCHIETTO BABY

Rib Spreader, curved arms

60 x 21 x 18mm (length/width/depth)

80mm spread **PTI-A0070**

TIT SS TC BC



VASCULAR SURGERY
RIB SPREADERS



FINOCHIETTO BABY

Rib Spreader, with contractor
68 x 21 x 19mm (length/width/depth)
80mm spread PTI-A0071
TIT SS TC BC



HAIGHT FINOCHIETTO BABY

Rib Spreader, Aluminium
76 x 31 x 31mm (length/width/depth)
98mm spread PTI-A0072
TIT SS TC BC



HAIGHT

Rib Spreader, small
64 x 31 x 32mm (length/width/depth)
126mm spread PTI-A0073
large
90 x 31 x 32mm (length/width/depth)
126mm spread PTI-A0074
TIT SS TC BC



VASCULAR SURGERY

RIB SPREADERS



BAILEY FINOCHIETTO

Rib Spreader, Aluminium

58 x 14 x 12mm (length/width/depth)

74mm spread PTI-A0075

TIT SS TC BC



Mini Thorax Spreader, Titanium,

40mm length

39mm spread PTI-A0076

Spare Valves, paired

20 x 15mm (width/depth)

PTI-A0077

Spare Valves, paired

10x 15mm (width/depth)

PTI-A0078

TIT SS TC BC



MORSE

Rib Spreader, small, black coated,

movable valves

56 x 40 x 12mm (length/width/depth)

65mm spread PTI-A0079

TIT SS TC BC



VASCULAR SURGERY

RIB SPREADERS



CASTANEDA

Rib Spreader, Aluminium

60 x 34 x 11mm (length/width/depth)

74mm spread PTI-A0080

80 x 45 x 13mm (length/width/depth)

80mm spread PTI-A0081

126 x 60 x 17.5mm (length/width/depth)

110mm spread PTI-A0082

TIT SS TC BC



COOLEY CLARKE

Rib Spreader, Infants

70 x 15 x 10mm (length/width/depth)

65mm spread PTI-A0083

TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



HAIGHT BABY

Rib Spreader

73 x 35 x 31.5mm (length/width/depth)

90mm spread **PTI-A0084**

TIT **SS** **TC** **BC**



COOLEY

Rib Spreader, Aluminium, Children, with points

77 x 20.5 x 17mm (length/width/depth)

97mm spread **PTI-A0085**

TIT **SS** **TC** **BC**



COOLEY

Rib Spreader, Aluminium, Children

58 x 17 x 11mm (length/width/depth)

74mm spread **PTI-A0086**

80 x 30 x 17mm (length/width/depth)

101mm spread **PTI-A0087**

TIT **SS** **TC** **BC**



VASCULAR SURGERY
RIB SPREADERS



ANKENEY
Rib Spreader, Aluminium, 4 fixed swivel valves
114 x 19 x 23mm (length/width/depth)
139mm spread **PTI-A0088**
TIT SS TC BC



RIENHOFF
Rib Spreader
116 x 33 x 30mm (length/width/depth)
140mm spread **PTI-A0089**
146 x 45 x 47mm (length/width/depth)
140mm spread **PTI-A0090**
TIT SS TC BC



VASCULAR SURGERY
RIB SPREADERS



BADGLEY
Rib Spreader, 4 prongs
108 x 45 x 50mm (length/width/depth)
165mm spread **PTI-A0091**
TIT SS TC BC



FINOCHIETTO
Rib Spreader, curved arms, circular fenestration
111 x 32 x 28mm (length/width/depth)
150mm spread **PTI-A0092**
TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



MORSE

Rib Spreader, Children, movable valves

125 x 22 x 15mm (length/width/depth)

154mm spread **PTI-A0093**

148 x 29 x 23mm (length/width/depth)

212mm spread **PTI-A0094**

TIT SS TC BC



DEBAKEY

Rib Spreader, Children, incl. 3 paired valves

144mm length

152mm spread **PTI-A0095**

Spare Valves

30 x 30mm (width/depth)

PTI-A0096

40 x 40mm (width/depth)

PTI-A0097

50 x 50mm (width/depth)

PTI-A0098

TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



TUFFIER

Rib Spreader, toothed valves

180 x 45 x 48mm (length/width/depth)

178mm spread **PTI-A0099**

serrated valves

180 x 45 x 48mm (length/width/depth)

178mm spread **PTI-A0100**

TIT **SS** **TC** **BC**



COOLEY

Rib Spreader,

112 x 46 x 25mm (length/width/depth)

137mm spread **PTI-A0101**

140 x 52 x 34mm (length/width/depth)

170mm spread **PTI-A0102**

158 x 102 x 29mm (length/width/depth)

194mm spread **PTI-A0103**

TIT **SS** **TC** **BC**

VASCULAR SURGERY

RIB SPREADERS



BURFORD

Rib Spreader, Children, incl. 4 paired valves

108mm length

157mm spread **PTI-A0104**

Spare Valves

44 x 47mm (width/depth)

PTI-A0105

45 x 31mm (width/depth)

PTI-A0106

33 x 30mm (width/depth)

PTI-A0107

23 x 22mm (width/depth)

PTI-A0108

TIT SS TC BC



BURFORD-FINOCHIETTO

Rib Spreader, Aluminium, incl. 2 paired valves

113mm length

135mm spread **PTI-A0109**

Spare Valves, paired

42 x 34mm (width/depth)

PTI-A0110

42 x 48mm (width/depth)

PTI-A0111

TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



DUBOST

Rib Spreader, incl. 3 paired valves
140mm length

160mm spread **PTI-A0112**

Spare Valves, paired
100 x 30mm (width/depth)

PTI-A0113

100 x 40mm (width/depth)

PTI-A0114

100 x 50mm (width/depth)

PTI-A0115

TIT SS TC BC



DUBOST

Rib Spreader, incl. 3 pair valves,
fixation and Mammary valve
140mm length

160mm spread **PTI-A0116**

Spare Valves, paired
100 x 30mm (width/depth)

PTI-A0117

Spare Valves, paired
100 x 40mm (width/depth)

PTI-A0118

Spare Valves, paired
100 x 50mm (width/depth)

PTI-A0119SS

TIT SS TC BC

TC

BC

TIT



DEBAKEY

Rib Spreader, incl. 3 paired valves

153mm length

192mm spread **PTI-A0120**

Spare Valves, paired

30 x 30mm (width/depth)

PTI-A0121

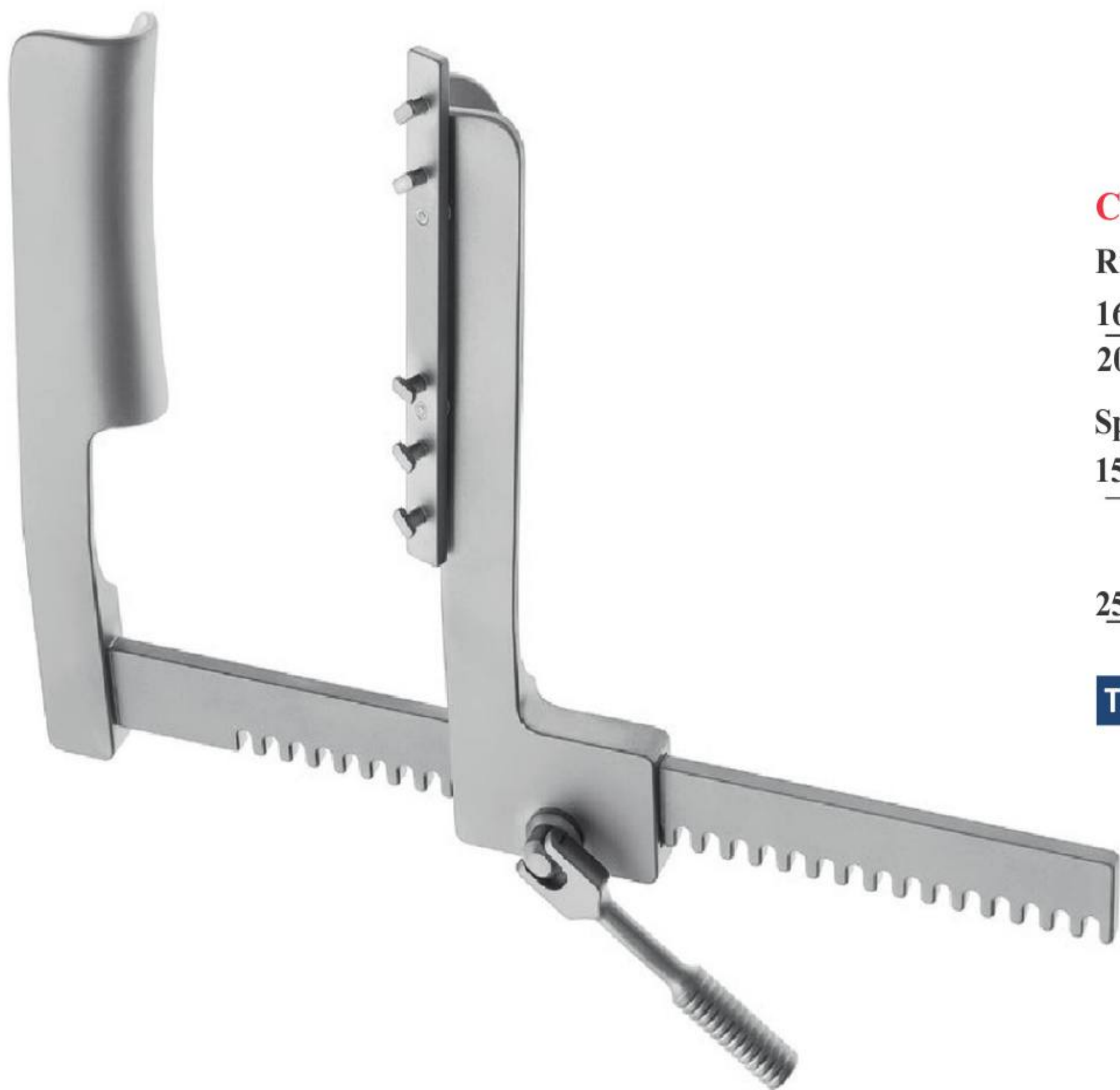
40 x 40mm (width/depth)

PTI-A0122

50 x 50mm (width/depth)

PTI-A0123

TIT SS TC BC



CARPENTIER

Rib Spreader, incl. 2 paired sternal valves

165 x 100 x 36mm (length/width/depth)

200mm spread **PTI-A0124**

Spare Valves, paired

15 x 25mm (width/depth)

PTI-A0125

25 x 25mm (width/depth)

PTI-A0126

TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



FINOCHIETTO

Rib Spreader, curved arms

130 x 45 x 40mm (length/width/depth)

148mm spread **PTI-A0127**

180 x 65 x 50mm (length/width/depth)

200mm spread **PTI-A0128**

180 x 65 x 70mm (length/width/depth)

250mm spread **PTI-A0129**

180 x 65 x 50mm (length/width/depth)

265mm spread **PTI-A0130**

180 x 65 x 50mm (length/width/depth)

310mm spread **PTI-A0131**

TIT **SS** **TC** **BC**



straight arms

FINOCHIETTO

Rib Spreader, straight arms

186 x 66 x 51mm (length/width/depth)

200mm spread **PTI-A0132**

265mm spread **PTI-A0133**

310mm spread **PTI-A0134**

TIT **SS** **TC** **BC**

VASCULAR SURGERY

RIB SPREADERS



BIRNBAUM

Rib Spreader, movable blades

198 x 60 x 40mm (length/width/depth)

185mm spread **PTI-A0135**

TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



IMA FRENCH

Rib Spreader, incl. 3 paired valves
150mm length

PTI-A0136

Spare Valves, paired
50 x 22mm (width/depth)

PTI-A0137

40 x 22mm (width/depth)

PTI-A0138

100mm width

TIT SS TC BC

PTI-A0139

VASCULAR SURGERY

RIB SPREADERS

**DEBAKEY**

Rib Spreader, incl. 3 paired valves

170mm length

240mm spread **PTI-A0140**

Spare Valves, paired

60 x 60mm (width/depth)

PTI-A0141

80 x 50mm (width/depth)

PTI-A0142

100 x 40mm (width/depth)

PTI-A0143**TIT** **SS** **TC** **BC**

VASCULAR SURGERY
RIB SPREADERS



FAVALORO MORSE
Rib Spreader, movable valves
205 x 29 x 38mm (length/width/depth)
212mm spread **PTI-A0144**

PACIFICO MORSE
Rib Spreader, with 2 pair valves
148 x 29 x 23mm (length/width/depth)
170mm spread **PTI-A0145**

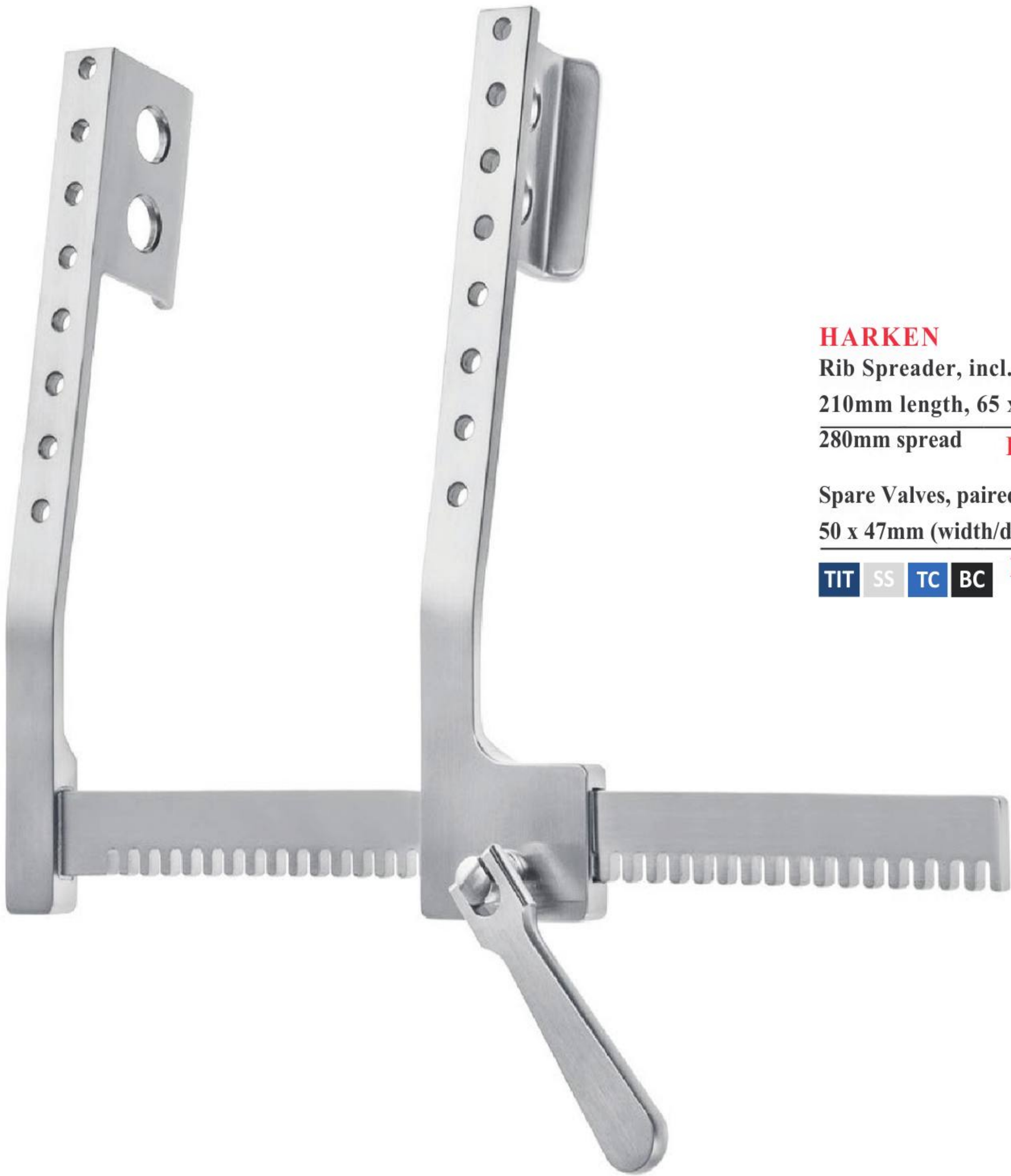
Spare Valves
29 x 34mm (width/depth)

TIT SS TC BC



VASCULAR SURGERY

RIB SPREADERS



HARKEN
 Rib Spreader, incl. 1 paired valves
 210mm length, 65 x 44mm
 280mm spread **PTI-A0146**

Spare Valves, paired
 50 x 47mm (width/depth)
TIT SS TC BC PTI-A0147

VASCULAR SURGERY

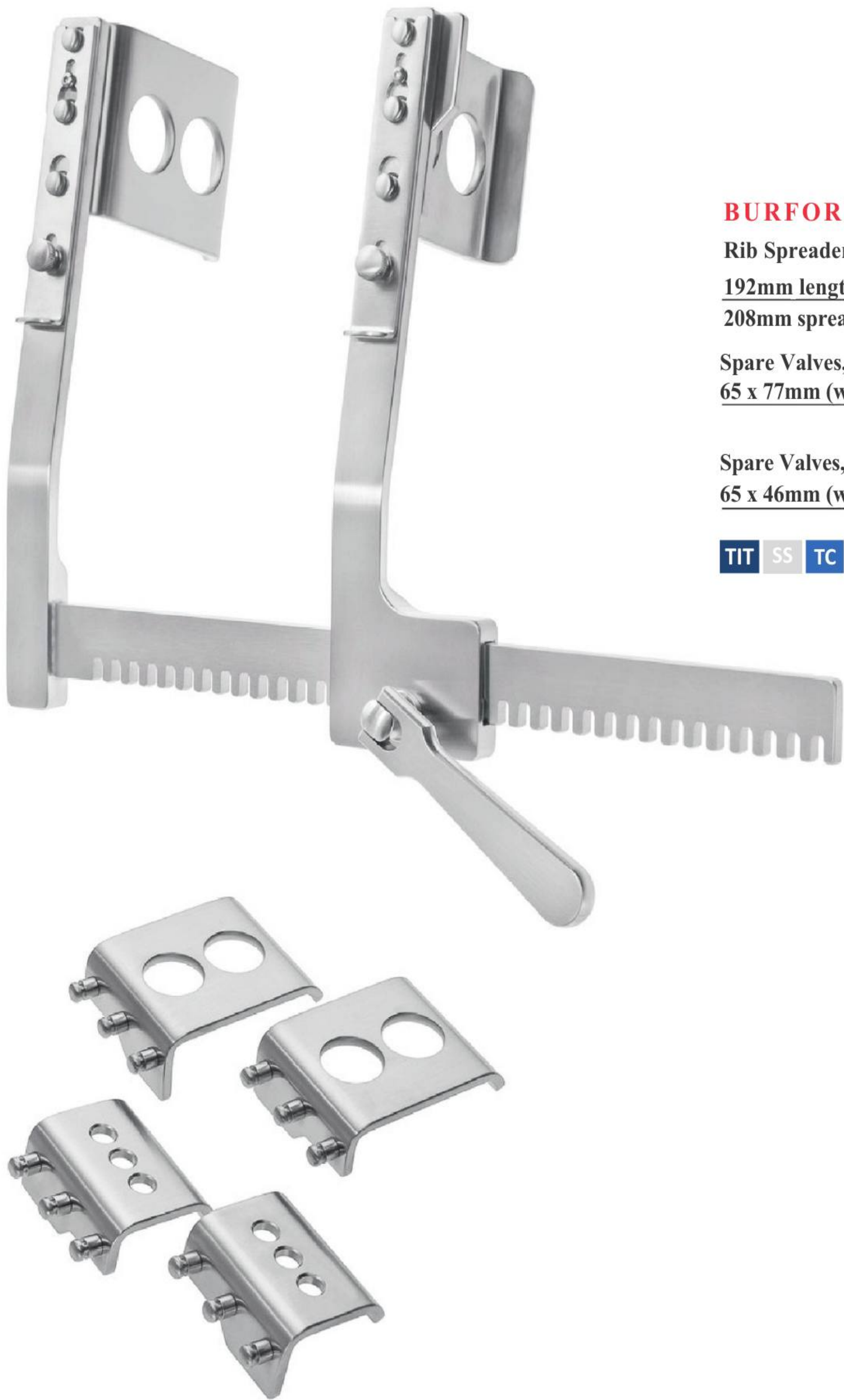
RIB SPREADERS

**ANKENEY****Rib Spreader, Adult, 6 fixed swivel valves****289 x 35 x 35mm (length/width/depth)****195mm spread** **PTI-A0148****TIT** **SS** **TC** **BC**



VASCULAR SURGERY

RIB SPREADERS



BURFORD
 Rib Spreader, incl. 2 pair valves
 192mm length
 208mm spread **PTI-A0149**
 Spare Valves, paired
 65 x 77mm (width/depth)
PTI-A0150
 Spare Valves, paired
 65 x 46mm (width/depth)
PTI-A0151

TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



BURFORD

Rib Spreader, incl. 2 pair valves

205 x 64 x 65mm (length/width/depth)

200mm spread **PTI-A0152**

Spare Valves, paired

65 x 77mm (width/depth)

PTI-A0153

Spare Valves, paired

65 x 46mm (width/depth)

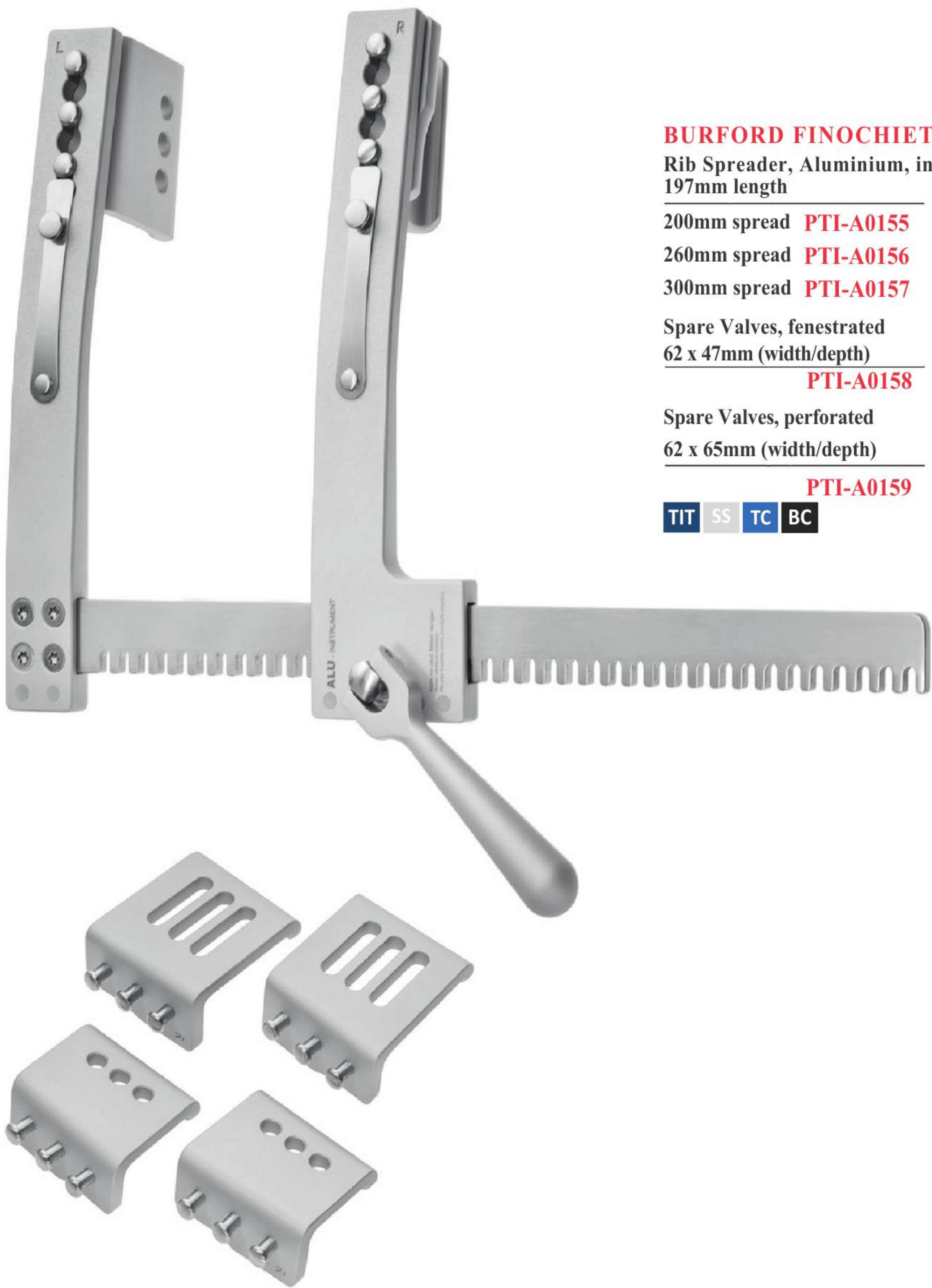
PTI-A0154

TIT SS TC BC



VASCULAR SURGERY

RIB SPREADERS



BURFORD FINOCHIETTO

Rib Spreader, Aluminium, incl. 2 pair valves
197mm length

200mm spread **PTI-A0155**

260mm spread **PTI-A0156**

300mm spread **PTI-A0157**

Spare Valves, fenestrated
62 x 47mm (width/depth)

PTI-A0158

Spare Valves, perforated
62 x 65mm (width/depth)

PTI-A0159

TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



DEBAKEY

Rib Spreader, incl. 3 pair valves
189mm length

241mm spread **PTI-A0160**

Spare Valves, paired
40 x 100mm (width/depth)

PTI-A0161

Spare Valves, paired
80 x 50mm (width/depth)

PTI-A0162

Spare Valves, paired
60 x 60mm (width/depth)

PTI-A0163

Spare Valves, paired, fenestrated
60 x 50mm (width/depth)

PTI-A0164

Spare Valves, paired
60 x 80mm (width/depth)

PTI-A0165

TIT SS TC BC



VASCULAR SURGERY
RIB SPREADERS



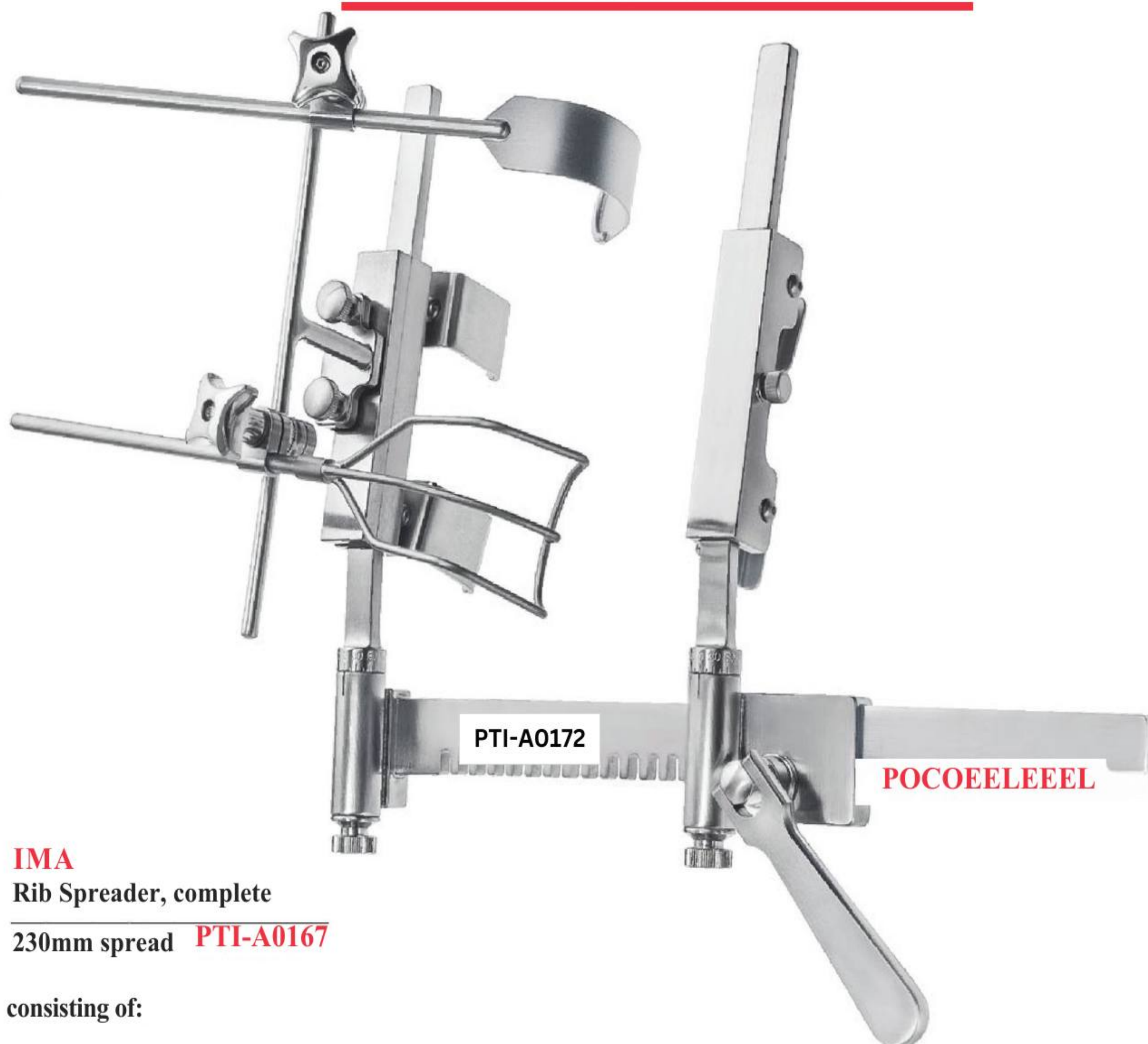
PTI-A0166

PTI-A0166

IMA
Rib Spreader, complete with Mammary blade
195 x 150 x 50mm (length/width/depth)
134mm spread **PTI-A0166**
TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS



IMA

Rib Spreader, complete

230mm spread **PTI-A0167**

consisting of:

Double fixation valves

PTI-A0168

Double fixation valves with notch

PTI-A0169

T-Clamp

PTI-A0170

Universal Clamp

PTI-A0171

COOLEY

Valve Retractor

small, 25mm **PTI-A0172**

medium, 40mm **PTI-A0173**

large, 50mm **PTI-A0174**

Ribbon malleable valve

PTI-A0175

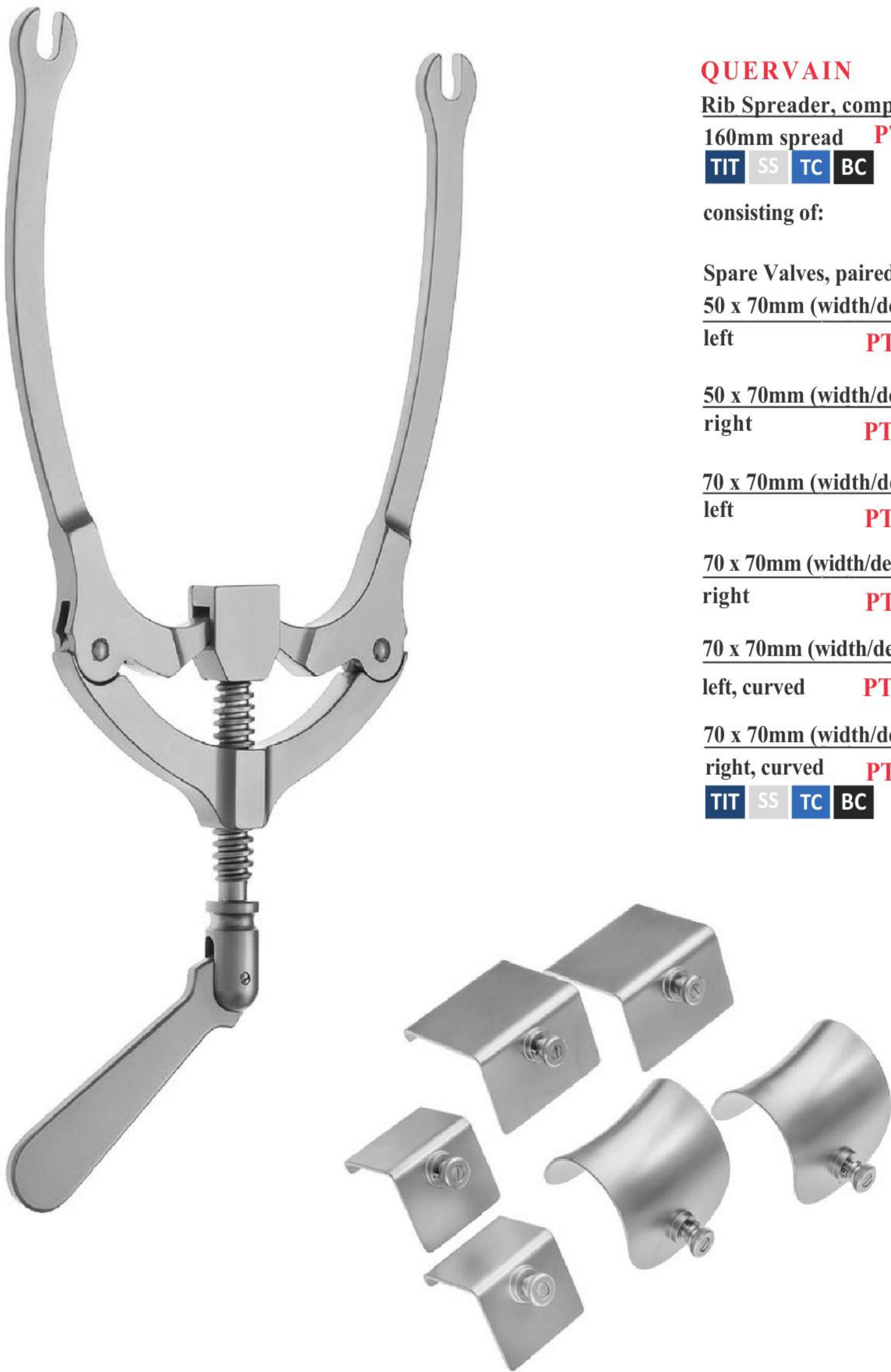
TIT SS TC BC





VASCULAR SURGERY

RIB SPREADERS



QUERVAIN
 Rib Spreader, complete
 160mm spread **PTI-A0176**
TIT SS TC BC
 consisting of:

Spare Valves, paired,
 50 x 70mm (width/depth)
 left **PTI-A0177**
 50 x 70mm (width/depth)
 right **PTI-A0178**
 70 x 70mm (width/depth)
 left **PTI-A0179**
 70 x 70mm (width/depth)
 right **PTI-A0180**
 70 x 70mm (width/depth)
 left, curved **PTI-A0181**
 70 x 70mm (width/depth)
 right, curved **PTI-A0182**
TIT SS TC BC

VASCULAR SURGERY

RIB SPREADERS


SELLORS

Rib Spreader, curved arms,
complete, 3 pairs of blades

250mm spread

PTI-A0183

TIT **SS** **TC** **BC**



VASCULAR SURGERY

RIB SPREADERS



BAILEY BABY

Rib Contractor, 3 prongs, 18mm depth

140mm length PTI-A0184

TIT SS TC BC



BAILEY

Rib Contractor, 3 prongs, 19mm depth

180mm length PTI-A0185

TIT SS TC BC



BAILEY GIBBON

Rib Contractor, 3 prongs, 29mm depth

180mm length PTI-A0186

TIT SS TC BC



LEMMON

Rib Contractor, Children

145mm length PTI-A0187

Adults

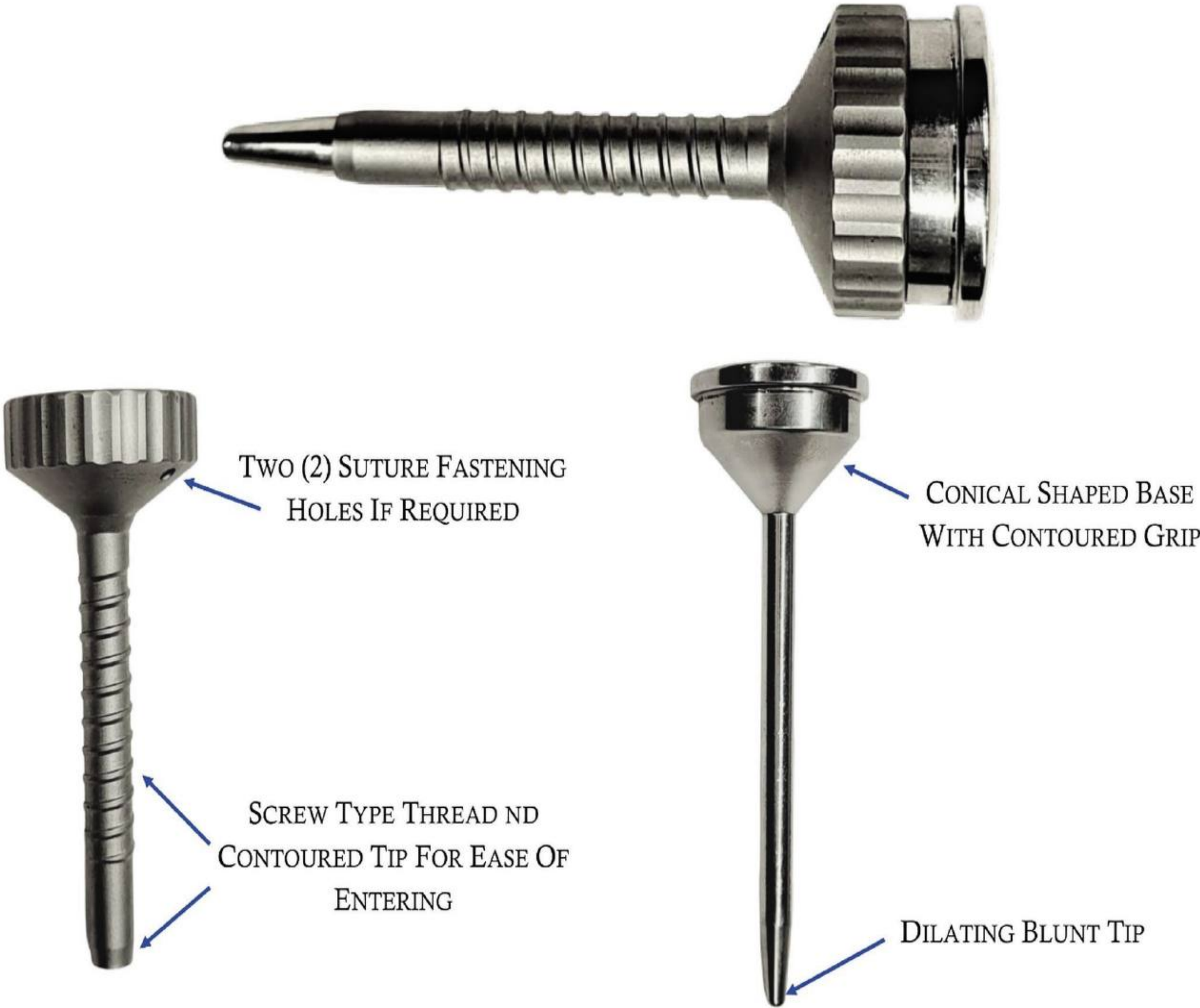
180mm length PTI-A0188

TIT SS TC BC



PRIME THORACIC
CANNULAS

THORA-TROCAR & THREADED SLEEVE FOR FASCIA ANCHORING



TROCAR SLEEVE WORKING LENGTH

TIT SS TC BC

TROCAR	STD LENGTH	OPTIONAL LENGTHS			
DIA. Ø	4.5 CM	5.5 CM	6.5 CM	7.5 CM	
5/5.5 MM	PTI-A0189	PTI-A0190	PTI-A0191	PTI-A0192	
7/8 MM	PTI-A0193	PTI-A0194	PTI-A0195	PTI-A0196	
10/11 MM	PTI-A0197	PTI-A0198	PTI-A0199	PTI-A0200	
12 MM	PTI-A0201	PTI-A0202	PTI-A0203	PTI-A0204	
15 MM	PTI-A0205	PTI-A0206	PTI-A0207	PTI-A0208	

CM
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PRIME THORACIC
CANNULAS



TIT SS TC BC

DIAMETER	TROCAR 4.5CM LENGTH	TROCAR 5.5CM LENGTH	TROCAR 6.5CM LENGTH	TROCAR 7.5CM LENGTH
5MM	PTI-A0209	PTI-A0210	PTI-A0211	PTI-A0212
7MM	PTI-A0213	PTI-A0214	PTI-A0215	PTI-A0216
10MM	PTI-A0217	PTI-A0218	PTI-A0219	PTI-A0220
11MM	PTI-A0221	PTI-A0222	PTI-A0223	PTI-A0224
12MM	PTI-A0225	PTI-A0226	PTI-A0227	PTI-A0228
13MM	PTI-A0229	PTI-A0230	PTI-A0231	PTI-A0232
15MM	PTI-A0233	PTI-A0234	PTI-A0235	PTI-A0236



TIT SS TC BC

DIAMETER	SLEEVE 4.5CM LENGTH	SLEEVE 5.5CM LENGTH	SLEEVE 6.5CM LENGTH	SLEEVE 7.5CM LENGTH
5MM	PTI-A0237	PTI-A0238	PTI-A0239	PTI-A0240
7MM	PTI-A0241	PTI-A0242	PTI-A0243	PTI-A0244
10MM	PTI-A0245	PTI-A0246	PTI-A0247	PTI-A0248
11MM	PTI-A0249	PTI-A0250	PTI-A0251	PTI-A0252
12MM	PTI-A0253	PTI-A0254	PTI-A0255	PTI-A0256
13MM	PTI-A0257	PTI-A0258	PTI-A0259	PTI-A0260
15MM	PTI-A0261	PTI-A0262	PTI-A0263	PTI-A0264



**SOLD IN SETS: TROCAR & SLEEVE/TROCAR & SLEEVE AVAILABLE SEPARATELY ON REQUEST

PRIME VATE/MICS

SCISSORS RED COLOR, WITHOUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

TIT SS TC BC

	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING
	METZENBAUM-SCISSOR, STRAIGHT, SINGLE ACTION	170	5.0	PTI-A0265	PTI-A0266
		250	5.0	PTI-A0267	PTI-A0268
		300	5.0	PTI-A0269	PTI-A0270
	METZENBAUM-SCISSOR, STRAIGHT, DOUBLE ACTION	170	5.0	PTI-A0271	PTI-A0272
		250	5.0	PTI-A0273	PTI-A0274
		300	5.0	PTI-A0275	PTI-A0276
	MINI METZENBAUM- SCISSOR, 15° CURVED, DOUBLE ACTION	170	3.5	PTI-A0277	PTI-A0278
		250	3.5	PTI-A0279	PTI-A0280
		300	3.5	PTI-A0281	PTI-A0282
	METZENBAUM-SCISSOR, 15° CURVED, DOUBLE ACTION	170	5.0	PTI-A0283	PTI-A0284
		250	5.0	PTI-A0285	PTI-A0286
		300	5.0	PTI-A0287	PTI-A0288
	MINI METZENBAUM- SCISSOR, 30° CURVED, DOUBLE ACTION	170	3.5	PTI-A0289	PTI-A0290
		250	3.5	PTI-A0291	PTI-A0292
		300	3.5	PTI-A0293	PTI-A0294
	METZENBAUM-SCISSOR, 30° CURVED, DOUBLE ACTION	170	5.0	PTI-A0295	PTI-A0296
		250	5.0	PTI-A0297	PTI-A0298
		300	5.0	PTI-A0299	PTI-A0300
	METZENBAUM-SCISSOR, 70° CURVED, DOUBLE ACTION	170	5.0	PTI-A0301	PTI-A0302
		250	5.0	PTI-A0303	PTI-A0304
		300	5.0	PTI-A0305	PTI-A0306
	SCISSOR JAMESON, 15° CURVED, WITH TENOTOMY TIP	170	5.0	PTI-A0307	PTI-A0308
		250	5.0	PTI-A0309	PTI-A0310
		300	5.0	PTI-A0311	PTI-A0312



PRIME VATS/MICS

SCISSORS RED COLOR, WITHOUT RATCHET, STANDARD HANDLE,
IRRIGATION
CONNECTOR. AXIAL

				TIT	SS	TC	BC
	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC	WITH CERAMIC COATING		
	POTTS-STYLE VASCULAR SCISSOR, 45° UPWARDS, SINGLE ACTION, SHORT MODEL	170	3.5	PTI-A0313	PTI-A0314		
		250	3.5	PTI-A0315	PTI-A0316		
		300	3.5	PTI-A0317	PTI-A0318		
	POTTS-STYLE VASCULAR SCISSOR, 45° UPWARDS, SINGLE ACTION, LONG MODEL	170	3.5	PTI-A0319	PTI-A0320		
		250	3.5	PTI-A0321	PTI-A0322		
		300	3.5	PTI-A0323	PTI-A0324		
	POTTS-STYLE VASCULAR SCISSOR, 90° UPWARDS, SINGLE ACTION	170	3.5	PTI-A0325	PTI-A0326		
		250	3.5	PTI-A0327	PTI-A0328		
		300	3.5	PTI-A0329	PTI-A0330		
	POTTS-STYLE VASCULAR SCISSOR, 125° BACKWARDS, SINGLE ACTION	170	3.5	PTI-A0331	PTI-A0332		
		250	3.5	PTI-A0333	PTI-A0334		
		300	3.5	PTI-A0335	PTI-A0336		
	POTTS-STYLE VASCULAR SCISSOR, 125° BACKWARDS, SINGLE ACTION	170	5.0	PTI-A0337	PTI-A0338		
		250	5.0	PTI-A0339	PTI-A0340		
		300	5.0	PTI-A0341	PTI-A0342		
	METZENBAUM-SCISSOR, 15° CURVED, DOUBLE ACTION, ROBUST	170	7.0	PTI-A0343	PTI-A0344		
		250	7.0	PTI-A0345	PTI-A0346		
		300	7.0	PTI-A0347	PTI-A0348		



**OPTIONAL CERAMIC COATING
AVAILABLE (CC)**



PRIME VATS/MICS

GRASPING FORCEPS-STANDARD-BLUE COLOR, WITH OR W/OUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

				TIT	SS	TC	BC
	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING		
	DeBAKEY, AG 2 x 1 TEETH, 1.5 x 10 MM, DOUBLE ACTION	170	3.5	PTI-A0349	PTI-A0350		
		250	3.5	PTI-A0351	PTI-A0352		
		300	3.5	PTI-A0353	PTI-A0354		
	DeBAKEY, AG 2 x 1 TEETH, 2.8 x 10 MM, DOUBLE ACTION	170	3.5	PTI-A0355	PTI-A0356		
		250	3.5	PTI-A0357	PTI-A0358		
		300	3.5	PTI-A0359	PTI-A0360		
	DeBAKEY, AG 2 x 1 TEETH, 1.5 x 10 MM, DOUBLE ACTION	170	5.0	PTI-A0361	PTI-A0362		
		250	5.0	PTI-A0363	PTI-A0364		
		300	5.0	PTI-A0365	PTI-A0366		
	DeBAKEY, AG 2 x 1 TEETH, 2.8 x 10 MM, DOUBLE ACTION	170	5.0	PTI-A0367	PTI-A0368		
		250	5.0	PTI-A0369	PTI-A0370		
		300	5.0	PTI-A0371	PTI-A0372		
	DeBAKEY, AG 2 x 1 TEETH, 15° ANGLED SIDEWAYS, 2.8, x 10 MM, DOUBLE ACTION	170	5.0	PTI-A0373	PTI-A0374		
		250	5.0	PTI-A0375	PTI-A0376		
		300	5.0	PTI-A0377	PTI-A0378		
	DeBAKEY, AG 2 x 1 TEETH, STRAIGHT, 1.5 x 14 MM, SINGLE ACTION	170	5.0	PTI-A0379	PTI-A0380		
		250	5.0	PTI-A0381	PTI-A0382		
		300	5.0	PTI-A0383	PTI-A0384		



PRIME VATS/MICS

GRASPING FORCEPS-STANDARD-BLUE COLOR, WITH OR W/OUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

				TIT	SS	TC	BC
	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING		
	DeBAKEY, AG 2 x 1 TEETH, 45° ANGLED UPWARDS, 1.5 x 14 MM, SINGLE ACTION	170	5.0	PTI-A0385	PTI-A0386		
		250	5.0	PTI-A0387	PTI-A0388		
		300	5.0	PTI-A0389	PTI-A0390		
	DeBAKEY, AG 2 x 1 TEETH, 45° ANGLED SIDEWAYS, 1.5 x 14 MM, SINGLE ACTION	170	5.0	PTI-A0391	PTI-A0392		
		250	5.0	PTI-A0393	PTI-A0394		
		300	5.0	PTI-A0395	PTI-A0396		
	DeBAKEY, AG 2 x 1 TEETH, 45° ANGLED SIDEWAYS, 2.8 x 10 MM, DOUBLE ACTION	170	3.5	PTI-A0397	PTI-A0398		
		250	3.5	PTI-A0399	PTI-A0400		
		300	3.5	PTI-A0401	PTI-A0402		
	DeBAKEY, AG 3 x 2 TEETH, 4.8 x 16 MM DOUBLE ACTION	170	5.0	PTI-A0403	PTI-A0404		
		250	5.0	PTI-A0405	PTI-A0406		
		300	5.0	PTI-A0407	PTI-A0408		
	DeBAKEY, AG 3 x 2 TEETH, 4.8 x 28 MM LONG MODEL, DOUBLE ACTION	170	5.0	PTI-A0409	PTI-A0410		
		250	5.0	PTI-A0411	PTI-A0412		
		300	5.0	PTI-A0413	PTI-A0414		
	KNOT PUSHER 45° UPWARDS, SINGLE ACTION	170	5.0	PTI-A0415	PTI-A0416		
		250	5.0	PTI-A0417	PTI-A0418		
		300	5.0	PTI-A0419	PTI-A0420		



PRIME VATS/MICS

GRASPING FORCEPS-STANDARD-BLUE COLOR, WITH OR W/OUT RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

				TIT	SS	TC	BC
	DESCRIPTION	LENGTH (MM)	Ø	WITHOUT CERAMIC COATING	WITH CERAMIC COATING		
	RESANO-VALVE GRASPING FORCEPS, SINGLE ACTION	170	5.0	PTI-A0421	PTI-A0422		
		250	5.0	PTI-A0423	PTI-A0424		
		300	5.0	PTI-A0425	PTI-A0426		
	RESANO-VALVE GRASPING FORCEPS, DOUBLE ACTION	170	5.0	PTI-A0427	PTI-A0428		
		250	5.0	PTI-A0429	PTI-A0430		
		300	5.0	PTI-A0431	PTI-A0432		
	SUTURE NAHT, JAW CONICAL 8 MM, DOUBLE ACTION	170	5.0	PTI-A0433	PTI-A0434		
		250	5.0	PTI-A0435	PTI-A0436		
		300	5.0	PTI-A0437	PTI-A0438		
	GRASPING FORCEPS MOUSE TOOTH 2 x 1, FINE-TEETH, 15 MM, 45° CURVED UPWARDS	170	5.0	PTI-A0439	PTI-A0440		
		250	5.0	PTI-A0441	PTI-A0442		
		300	5.0	PTI-A0443	PTI-A0444		
	GRASPING FORCEPS EXTRA WIDE JAW WITH ALLIGATOR TEETH FENESTRATED	170	3.5	PTI-A0445	PTI-A0446		
		250	3.5	PTI-A0447	PTI-A0448		
		300	3.5	PTI-A0449	PTI-A0450		



PRIME VATS/MICS

NEEDLE HOLDER-STANDARD. GOLD-ORANGE COLOR, WITH RATCHET, STANDARD HANDLE, IRRIGATION CONNECTOR. AXIAL

TIT SS TC BC

	DESCRIPTION	LENGTH (MM)	Ø	ITEM NO.	OPT.
	MINI NEEDLE HOLDER WITH TC, STRAIGHT, 2 x 6 MM, RATCHET	250	3.5	PTI-A0451	T C
	MINI NEEDLE HOLDER W/ TC, CURVED LEFT, 2 x 6 MM, RATCHET	250	3.5	PTI-A0452	T C
	NEEDLE HOLDER W/ TC, STRAIGHT, 3 x 10 MM, RATCHET	250	5.0	PTI-A0453	T C
	NEEDLE HOLDER WITH TC, CURVED LEFT, 3 x 10 MM, RATCHET	250	5.0	PTI-A0454	T C
	NEEDLE HOLDER WITH TC, CURVED RIGHT, 3 x 10 MM, RATCHET	250	5.0	PTI-A0455	T C
	RYDER NEEDLE HOLDER WITH TC, STRAIGHT, 1 x 8 MM, RATCHET	250	5.0	PTI-A0456	T C
	RYDER NEEDLE HOLDER W/ TC, STRAIGHT, 1 x 10 MM, RATCHET	250	5.0	PTI-A0457	T C
	NEEDLE HOLDER W/ TC, STRAIGHT, 2 x 8 MM, RATCHET	250	5.0	PTI-A0458	T C
	NEEDLE HOLDER W/ DIAMOND DUST, STRAIGHT, 3 x 10 MM, RATCHET	250	5.0	PTI-A0459	D D
	NEEDLE HOLDER W/ DIAMOND DUST, LEFT CURVED, 3 x 10 MM, RATCHET	250	5.0	PTI-A0460	D D
	CRILE WOOD, NEEDLE HOLDER WITH TC, CURVED LEFT	250	5.0	PTI-A0461	T C



PRIME VATS/MICS

SPECIAL INSTRUMENTS

TIT SS TC BC					
	DESCRIPTION	LENGTH (MM)	Ø	ITEM No.	TIP
	COMBINATION INSTRUMENT: GRASPING FORCEPS, JAW DISTAL DeBAKEY 2 x 1 TEETH - PROXIMAL TC INLET	250	5.0	PTI-A0462	TC
	COMBINATION INSTRUMENT: NEEDLE HOLDER STRAIGHT, JAW DISTAL TC- INLET - PROXIMAL HOOK SCISSOR	250	5.0	PTI-A0463	TC
	COMBINATION INSTRUMENT: NEEDLE HOLDER RIGHT, JAW DISTAL TC- INLET – PROXIMAL HOOK SCISSOR	250	5.0	PTI-A0464	TC
	COMBINATION INSTRUMENT: NEEDLE HOLDER LEFT, JAW DISTAL TC- INLET – PROXIMAL HOOK SCISSOR	250	5.0	PTI-A0465	TC
	GEMINI DISSECTION FORCEPS, CURVED, SMOOTH, DOUBLE ACTION	250	5.0	PTI-A0466	
	LEAFLET HOLDER, FINE SERRATED, DOUBLE ACTION	250	5.0	PTI-A0467	
	VALVE RONGEUR, OVAL JAW 4 MM, STRAIGHT, SINGLE ACTION	250	4.0	PTI-A0468	
	VALVE RONGEUR, OVAL JAW 4 MM, 45° ANGLED UPWARDS	250	4.0	PTI-A0469	
	CLIP FORCEPS FOR USE W/ CLIPS ETHICON MEDIUM	250	6.0	PTI-A0470	



TUNGSTEN CARBIDE (TC)



PRIME VATS/MICS

TIT SS TC BC



NERVE AND VESSEL HOOKS

	ITEM No.	LENGTH (MM)	DESCRIPTION
	PTI-A0471	300	NERVE AND VESSEL HOOK, ANGLED 90°, LENGTH 6 MM
	PTI-A0472	300	NERVE AND VESSEL HOOK, ANGLED 90°, LENGTH, 6 MM, BALL POINT
	PTI-A0473	300	NERVE AND VESSEL HOOK, ANGLED 90°, LENGTH 10 MM

TIT SS TC BC



KNOT PUSHER

	ITEM No.	LENGTH (MM)	Ø	DESCRIPTION
	PTI-A0474	250	5MM	STRAIGHT

TIT SS TC BC



MAGNET RETRIEVER

	ITEM No.	LENGTH (MM)	Ø	DESCRIPTION
	PTI-A0475	250	4MM	STRAIGHT

PRIME VATS/MICS

SUTURE CATCHER

TIT SS TC BC



	ITEM No.	LENGTH (MM)	Ø	DESCRIPTION
	PTI-A0476	230	2.0	STRAIGHT



TIT SS TC BC

DISSECTION INSTRUMENT CLAMP

ITEM No.	LENGTH (MM)	Ø	DESCRIPTION
PTI-A0477	25MM	5.0	SPREADING INSTRUMENT , JAW FINE SERRATED

TIT SS TC BC



MEASURING INSTRUMENT

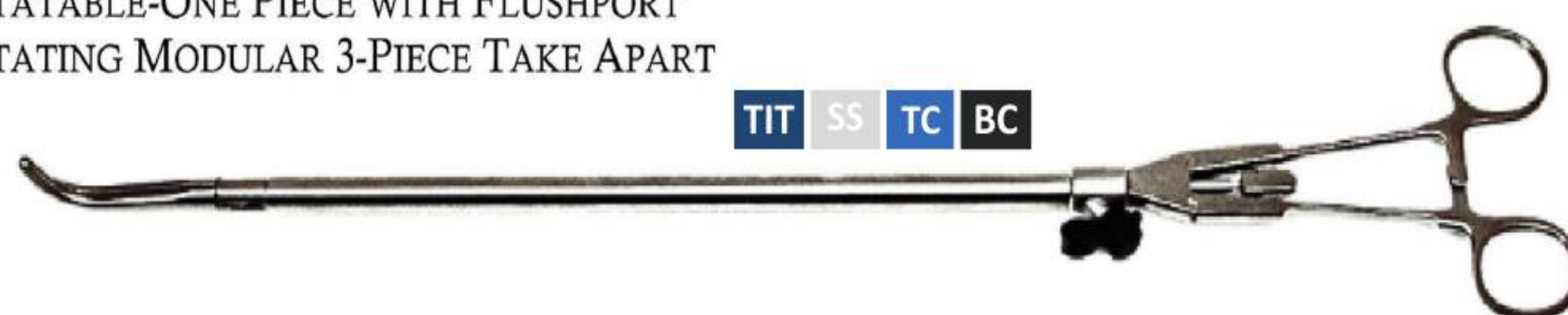
ITEM No.	LENGTH (MM)	Ø	DESCRIPTION
PTI-A0478	280 MM	3.5	MEASURING INSTRUMENT, SIZES, 0-60 MM

PRIME ENDOSCOPIC THORACIC **LANDRENEAU INSTRUMENTS**

ENDOSCOPIC, MINIMAL INVASIVE LANDRENEAU STYLE THORACIC INSTRUMENTS

AVAILABLE IN THREE INSTRUMENT STYLES:

- RIGID-ONE PIECE NON-ROTATING WITH FLUSHPORT
- ROTATABLE-ONE PIECE WITH FLUSHPORT
- ROTATING MODULAR 3-PIECE TAKE APART



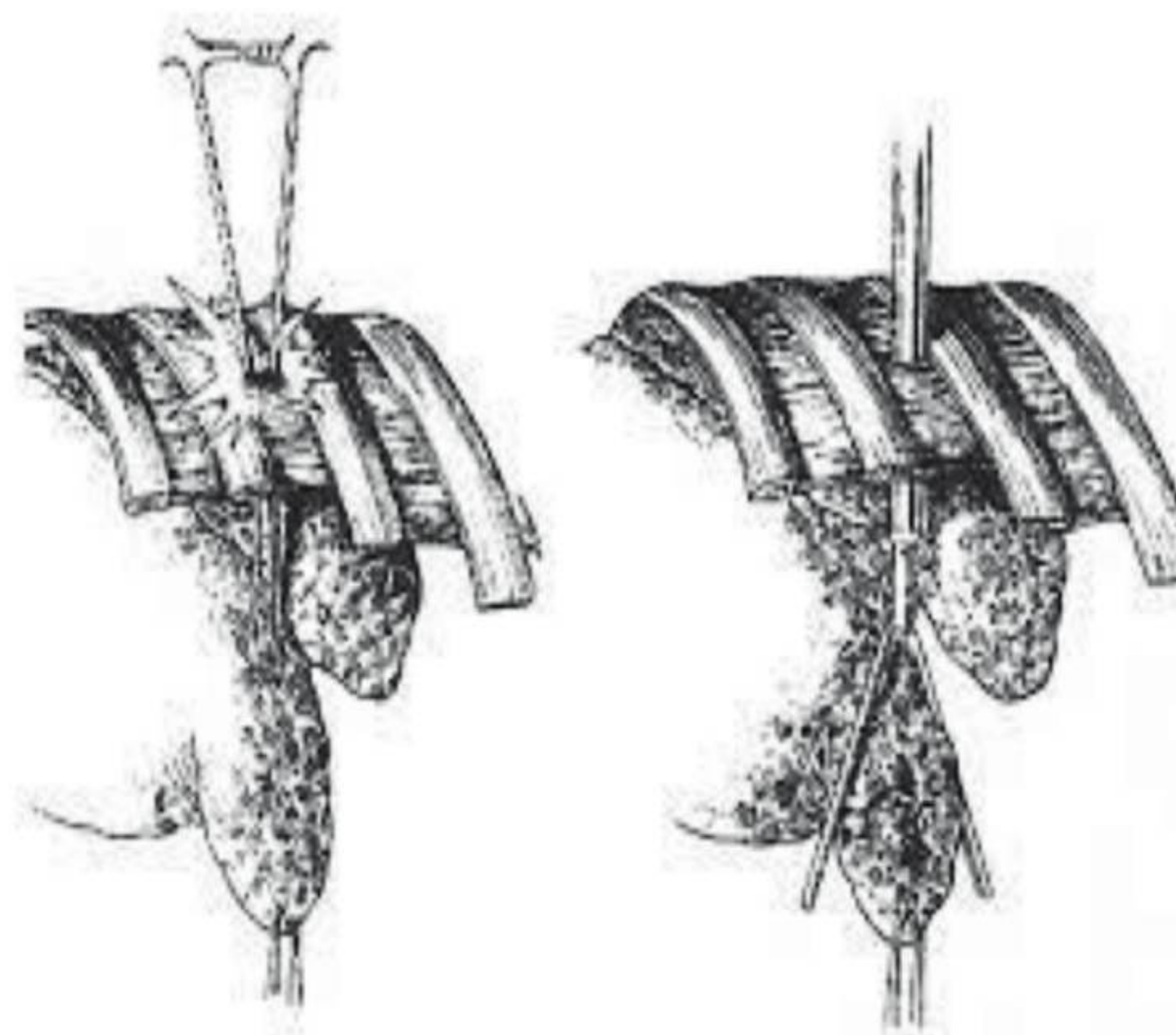
NOW AVAILABLE IN BOTH 5MM DIAMETER AND 10MM DIAMETER TIPS AND SHAFT SIZES.

“THE LANDRENEAU DESIGN INSTRUMENTS OVERCOME THE LIMITATIONS OF THE CENTRAL HINGE DESIGN OF STANDARD (OPEN) HAND SURGICAL INSTRUMENTS THUS FACILITATING INSTRUMENT MANIPULATION THROUGH THE INTERCOSTAL ACCESS DURING THORACOSCOPIC PROCEDURES.”

RODNEY J. LANDRENEAU, M.D.

SECTION HEAD, THORACIC SURGERY

DIRECTOR, ALLEGHENY CENTER FOR LUNG AND THORACIC DISEASE



PRIME'S “LANDRENEAU” IS A UNIQUELY DESIGNED INSTRUMENT MERGING THE USER FRIENDLY COAXIAL DESIGN WITH THE PRECISE MECHANICAL ACTION OF THE PRESENT DAY ENDOSCOPIC

PRIME ENDOSCOPIC THORACIC
LANDRENEAU INSTRUMENTS

ALL INSTRUMENTS COME WITH THE PRIME ERGONOMIC STRAIGHT RING AXIAL
HANDLE, LOCKING OR NON-
LOCKING. THE STANDARD WORKING LENGTH IS 30CM. DIFFERENT LENGTHS ARE
AVAILABLE UPON REQUEST.



DESCRIPTION	DIA.	LENGTH	RIGID ONE-PIECE	ROTATABLE ONE-PIECE	MODULAR 3-PIECE
SATINSKY VASCULAR CLAMP (LOCKING HANDLE) (1)	5MM	30CM	PTI-A0479	PTI-A0480	PTI-A0481
	10MM	30CM	PTI-A0482	PTI-A0483	PTI-A0484
PENNINGTON GRASPING FORCEPS (LOCKING HANDLE)	5MM	30CM	PTI-A0485	PTI-A0486	PTI-A0487
	10MM	30CM	PTI-A0488	PTI-A0489	PTI-A0490
STRAIGHT MASHER FORCEPS THIN TEAR DROP (LOCKING HANDLE) (3)	5MM	30CM	PTI-A0491	PTI-A0492	PTI-A0493
	10MM	30CM	PTI-A0494	PTI-A0495	PTI-A0496
CURVED MASHER FORCEPS THIN TEAR DROP (LOCKING HANDLE)	5MM	30CM	PTI-A0497	PTI-A0498	PTI-A0499
	10MM	30CM	PTI-A0500	PTI-A0501	PTI-A0502
STRAIGHT MASHER FORCEPS ROUND TIP (LOCKING HANDLE) (5)	5MM	30CM	PTI-A0503	PTI-A0504	PTI-A0505
	10MM	30CM	PTI-A0506	PTI-A0507	PTI-A0508



PRIME ENDOSCOPIC THORACIC **LANDRENEAU INSTRUMENTS**

TIT SS TC BC

DESCRIPTION	DIA.	LENGTH	RIGID ONE-PIECE	ROTATABLE ONE-PIECE	MODULAR 3-PIECE
DeBAKEY GRASPING FORCEPS (LOCKING HANDLE) (6)	5MM	30CM	PTI-A0509	PTI-A0510	PTI-A0511
	10MM	30CM	PTI-A0512	PTI-A0513	PTI-A0514
FINE DISSECTING FORCEPS, 45° CURVE (LOCKING, NON-	5MM	30CM	PTI-A0515	PTI-A0516	PTI-A0517
	10MM	30CM	PTI-A0518	PTI-A0519	PTI-A0520
MEEKER DISSECTING FORCEPS 90° CURVE (LOCKING, NON-	5MM	30CM	PTI-A0521	PTI-A0522	PTI-A0523
	10MM	30CM	PTI-A0524	PTI-A0525	PTI-A0526
CURVED METZ SCISSOR (NON-LOCKING HANDLE) (9)	5MM	30CM	PTI-A0527	PTI-A0528	PTI-A0529
	10MM	30CM	PTI-A0530	PTI-A0531	PTI-A0532
STRAIGHT METZ SCISSOR (NON-LOCKING HANDLE) (10)	5MM	30CM	PTI-A0533	PTI-A0534	PTI-A0535
	10MM	30CM	PTI-A0536	PTI-A0537	PTI-A0538
NEEDLE HOLDER STRAIGHT (LOCKING HANDLE) (11)	5MM	30CM	PTI-A0539	PTI-A0540	PTI-A0541
	10MM	30CM	PTI-A0542	PTI-A0543	PTI-A0544
NEEDLE HOLDER CURVED LEFT (LOCKING HANDLE) (12)	5MM	30CM	PTI-A0545	PTI-A0546	PTI-A0547
	10MM	30CM	PTI-A0548	PTI-A0549	PTI-A0550
NEEDLE HOLDER CURVED RIGHT (LOCKING HANDLE) (13)	5MM	30CM	PTI-A0551	PTI-A0552	PTI-A0553
	10MM	30CM	PTI-A0554	PTI-A0555	PTI-A0556



9 CURVED
10 STRAIGHT



11 STRAIGHT

12 CURVED
LEFT

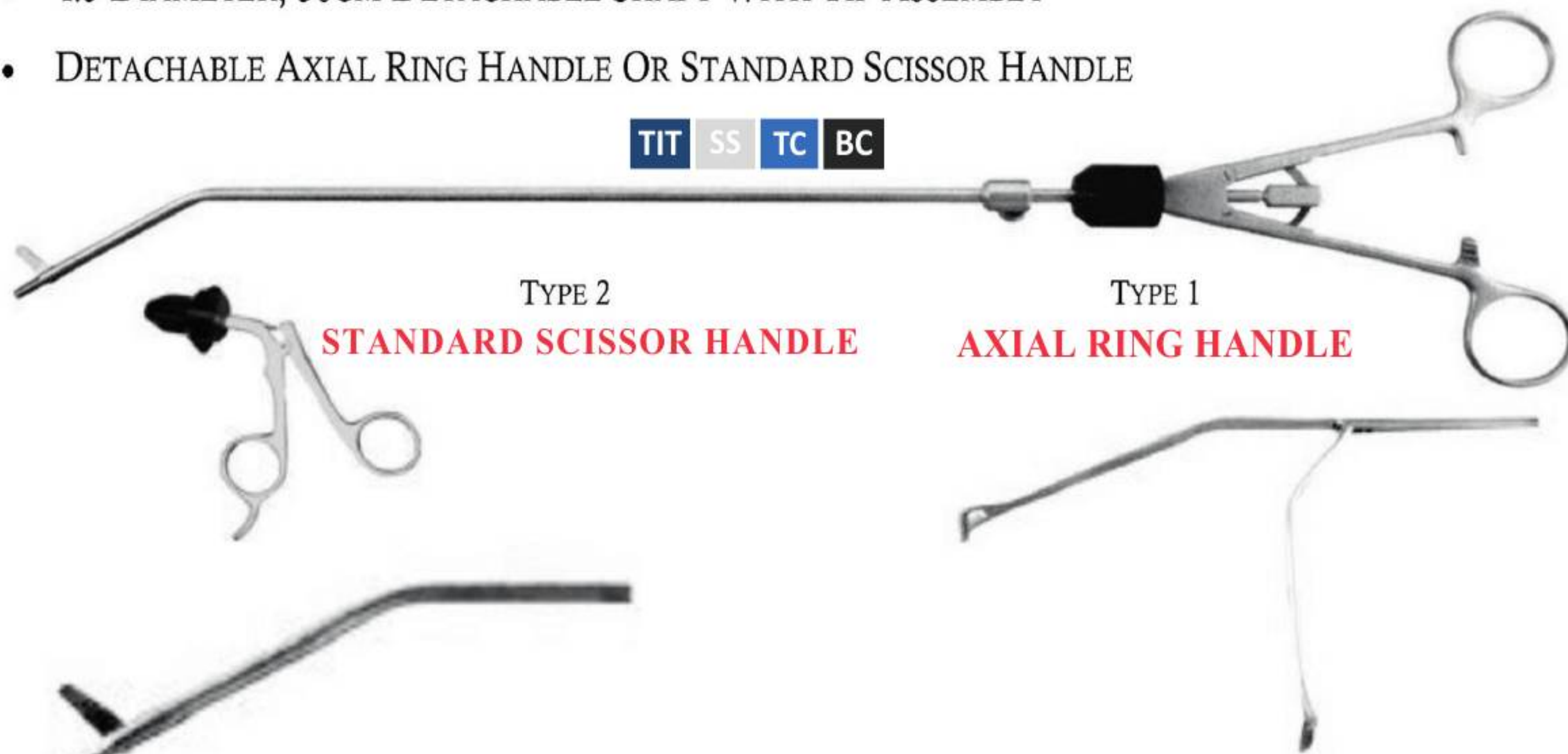
13 CURVED
RIGHT



PRIME MICRO-END THORACIC INSTRUMENTS

- 4.5 DIAMETER, 30CM DETACHABLE SHAFT WITH TIP ASSEMBLY
- DETACHABLE AXIAL RING HANDLE OR STANDARD SCISSOR HANDLE

TIT SS TC BC



**SCISSORS BLUNT/RIGHT OPENING
30° CURVED DOWN**

PTI-A0559 (Type 1) | PTI-A0560 (Type 2)

**BABCOCK ATRAUMATIC 30° CURVED
DOWN**

PTI-A0557 (Type 1) | PTI-A0558 (Type 2)



**DEBAKEY PLEURA ATRAUMATIC
FORCEPS 30° CURVED DOWN**

PTI-A0563 (Type 1) | PTI-A0564 (Type 2)



**LUNG GRASPING FORCEPS 30° CURVED
DOWN**

PTI-A0561 (Type 1) | PTI-A0562 (Type 2)



**PARENCHYM CLAMP, 50MM JAW
LENGTH, 30° CURVED RIGHT**

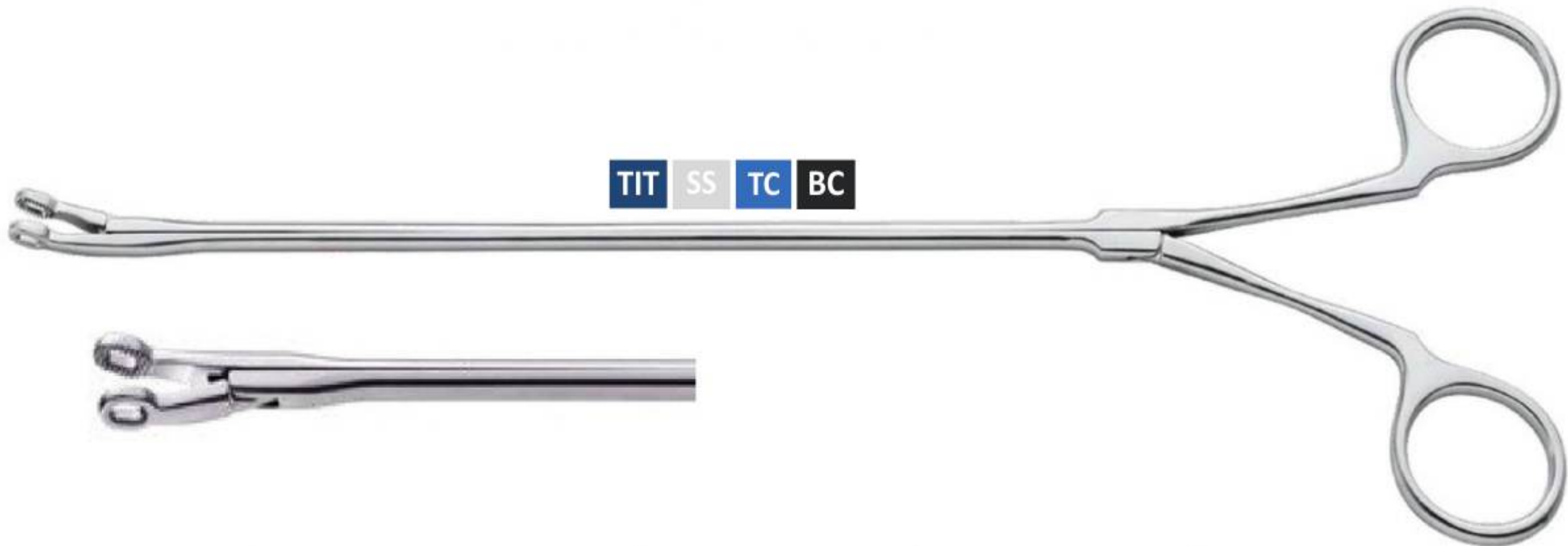
PTI-A0565 (Type 1) | PTI-A0566 (Type 2)

**PRIME HAS DESIGNED AND CONSTRUCTED THESE
ENDOSCOPIC THORACIC INSTRUMENTS FOR:**

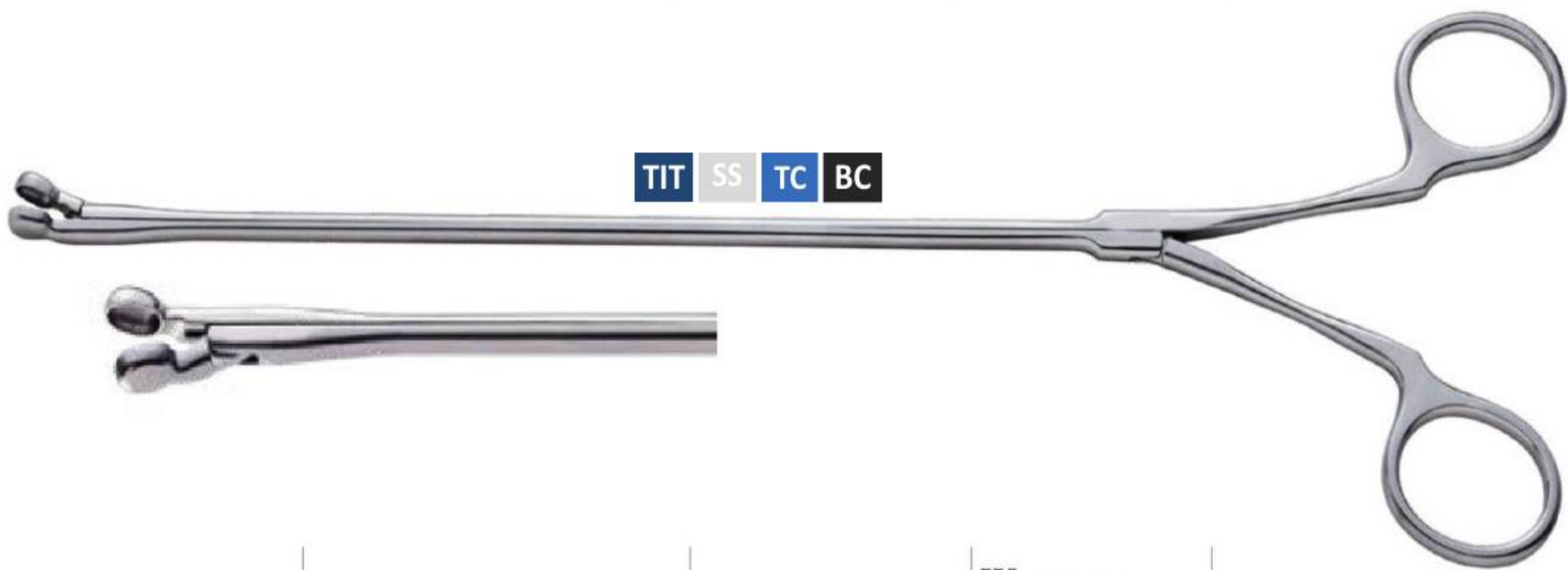
- DURABILITY AND LONGEVITY
- PRECISE AND ERGONOMIC HANDLING
- OPTIMAL CLEANING AND MAINTENANCE
- EXCELLENT RETURN ON INVESTMENT

PRIME FORCEPS

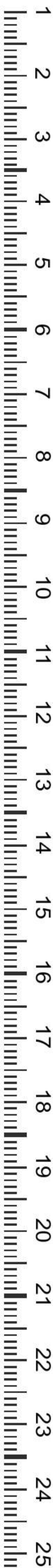
D'AMICO BIOPSY FORCEPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0567	6 MM WIDTH OVAL RING JAWS CURVED WITH RATCHET	5MM TAPERED TO 7MM	9" (23CM)	13" (33CM)
PTI-A0568	6 MM WIDTH OVALRING JAWS CURVED WITHOUT RATCHET			



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0569PTI-A0571	7 MM WIDTH OVAL CUPPED JAWS CURVED WITH RATCHET	5MM TAPERED TO 7MM	9" (23CM)	13" (33CM)
PTI-A0570	7 MM WIDTH OVAL CUPPED JAWS CURVED			



PRIME FORCEPS

D'AMICO MEDIASTINOSCOPY FORCEPS



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0571	6 MM WIDTH OVAL RING JAWS CURVED WITH RATCHET	7MM	11" (28CM)	15" (38CM)
PTI-A0572	6 MM WIDTH OVAL RING JAWS CURVED WITHOUT RATCHET			



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0573	7 MM WIDTH OVAL CUPPED JAWS CURVED WITH RATCHET	7MM	11" (28CM)	15" (38CM)
PTI-A0574	7 MM WIDTH OVAL CUPPED JAWS CURVED WITHOUT RATCHET			

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PRIME FORCEPS

GONZALEZ-RIVAS FORCEPS

TIT SS TC BC



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0575	8 MM DIAMOND KNURLING 2.5 MM WIDTH CURVED DEBAKEY JAWS WITHOUT RATCHET	5 MM	6 3/8" (16.2 CM)	12 3/4" (32.5CM)
PTI-A0576			8" (20 CM)	14 3/8" (36.5 CM)

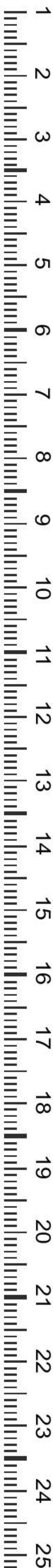
SPRING STYLE FORCEPS

TIT SS TC BC



JACOBSON SPRING STYLE FORCEPS

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0577	1 MM WIDTH STRAIGHT DEBAKEY JAWS WITHOUT RATCHET	5 MM	7 3/4" (19.5 CM)	16" (41 CM)
PTI-A0578	2 MM WIDTH STRAIGHT DEBAKEY JAWS WITHOUT RATCHET			



PRIME AXIAL HANDLE FORCEPS

TIT SS TC BC



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0590	2.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET	5MM	6¼" (16 CM)	12½" (32 CM)
PTI-A0591	2.5 MM WIDTH RESANO JAWS WITHOUT RATCHET		8" (20 CM)	14¼" (36 CM)
PTI-A0592	2.5 MM WIDTH RESANO JAWS WITH RATCHET			
PTI-A0593	6 MM WIDTH RUSSIAN JAWS WITHOUT RATCHET			
PTI-A0594	6 MM WIDTH RUSSIAN JAWS WITH RATCHET			
PTI-A0595	2 MM WIDTH PLATFORM DIAMOND DUST JAWS WITHOUT RATCHET			
PTI-A0596	2 MM WIDTH PLATFORM DIAMOND DUST JAWS WITH RATCHET			
PTI-A0597	1.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET			
PTI-A0598	1.5 MM WIDTH DEBAKEY JAWS WITH RATCHET			
PTI-A0599	2.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET			
PTI-A0600	2.5 MM WIDTH DEBAKEY JAWS WITH RATCHET			
PTI-A0601	3.5 MM WIDTH DEBAKEY JAWS WITHOUT RATCHET			
PTI-A0602	3.5 MM WIDTH DEBAKEY JAWS WITH RATCHET			

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PRIME NODULE CLAMPS

ROCCO NODULE CLAMPS



ITEM No.	DESCRIPTION	SUGGESTED NODULE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0605	CURVED LEFT RING JAWS, 3CM INNER DIAMETER AND 3.7 CM OUTER DIAMETER WITH RATCHET	UP TO 1CM	10MM	9½" (24CM)	13¼" (33.5CM)
PTI-A0606	CURVED LEFT RING JAWS 4.5 CM INNER DIAMETER AND 5.2 CM OUTER DIAMETER, WITH RATCHET	BETWEEN 1 & 1.5CM			

PRIME GRASPING CLAMPS

GONZALEZ-RIVAS LUNG GRASPING CLAMP



TIT SS TC BC

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0607	HIGH TENSION CURVED LEFT 20 MM OVAL RING JAWS WITH RATCHET	7MM TAPERED TO 10MM	5¾" (14.5CM)	9¾" (24.5 CM)

KHAN DECORTICATION GRASPER



TIT SS TC BC

KAHN DECORTICATION GRASPER JAWS COMPARED TO FOERSTER CLAMP JAWS

PTI-A0608 GRASPER

DECORTIFICATION

PTI-A0609 CLAMP

LUNG



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0610	ENHANCED SERRATIONS CURVED LEFT JAWS WITH RATCHET	10MM	9½" (24 CM)	13¼" (33.5 CM)

PRIME GRASPING CLAMPS

FOERSTER LUNG GRASPING CLAMP



PTI-A0611

PTI-A0612

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0613	CURVED LEFT 20 MM OVAL RING JAWS WITH RATCHET	5MM	9¼" (23.5CM)	13¼" (33.5CM)
PTI-A0614		TAPERED TO 7MM	12½" (32CM)	16½" (41.9 CM)



PRIME GRASPING CLAMPS

FOERSTER LUNG GRASPING CLAMP

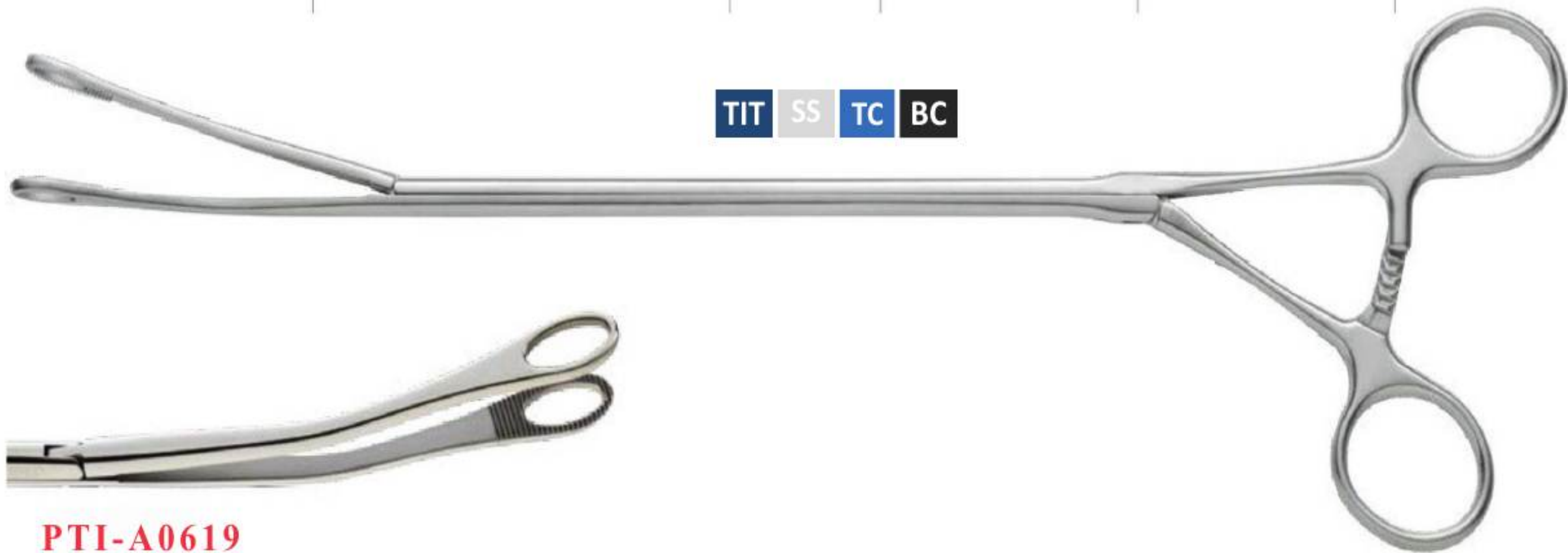


PTI-A0615



PTI-A0616

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0617	CURVED RIGHT JAWS (LEFT-HAND STYLE) 12 MM OVAL RING JAWS, WITH RATCHET	7MM	7½" (19CM)	11½" (29CM)
PTI-A0618	CURVED LEFT JAWS 12 MM OVAL RING JAWS WITH RATCHET			



PTI-A0619

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0620	CURVED LEFT JAWS 12 MM OVAL RING JAWS 7 MM WITH RATCHET		9¼" (23.5 CM)	13¼" (33.5 CM)

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PRIME GRASPING CLAMPS

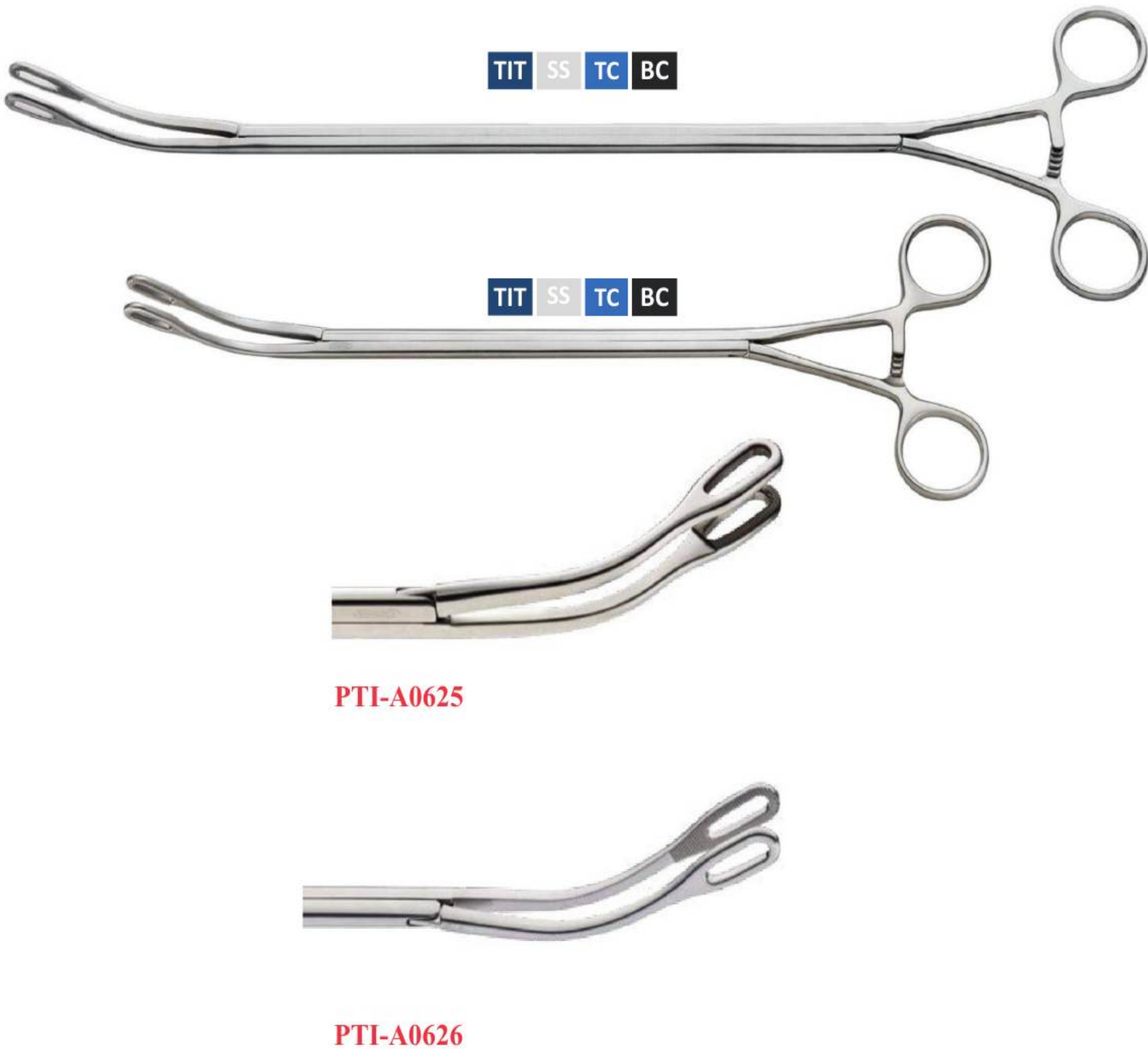
FOERSTER LUNG GRASPING CLAMP



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0623	CURVED RIGHT JAWS (LEFT-HAND STYLE) 20 MM OVAL RING JAWS WITH RATCHET	10 MM	7½" (19CM)	11½" (29CM)
PTI-A0624	CURVED LEFT JAWS 20 MM OVAL RING JAWS WITH RATCHET			

PRIME GRASPING CLAMPS

FOERSTER LUNG GRASPING CLAMP



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0627	DEEP CURVED LEFT JAWS 20 MM OVAL RING JAWS WITH RATCHET	10 MM	9½" (24 CM)	11½" (29CM)
PTI-A0628	CURVED LEFT JAWS 20 MM OVAL RING JAWS WITH RATCHET		12½" (32CM)	16¾" (42.4 CM)

PRIME GRASPING CLAMPS

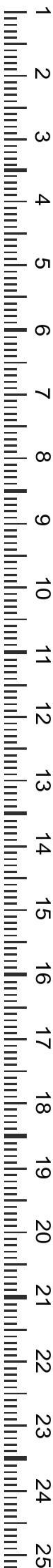
FOERSTER LUNG GRASPING CLAMP


PTI-A0629

PTI-A0630

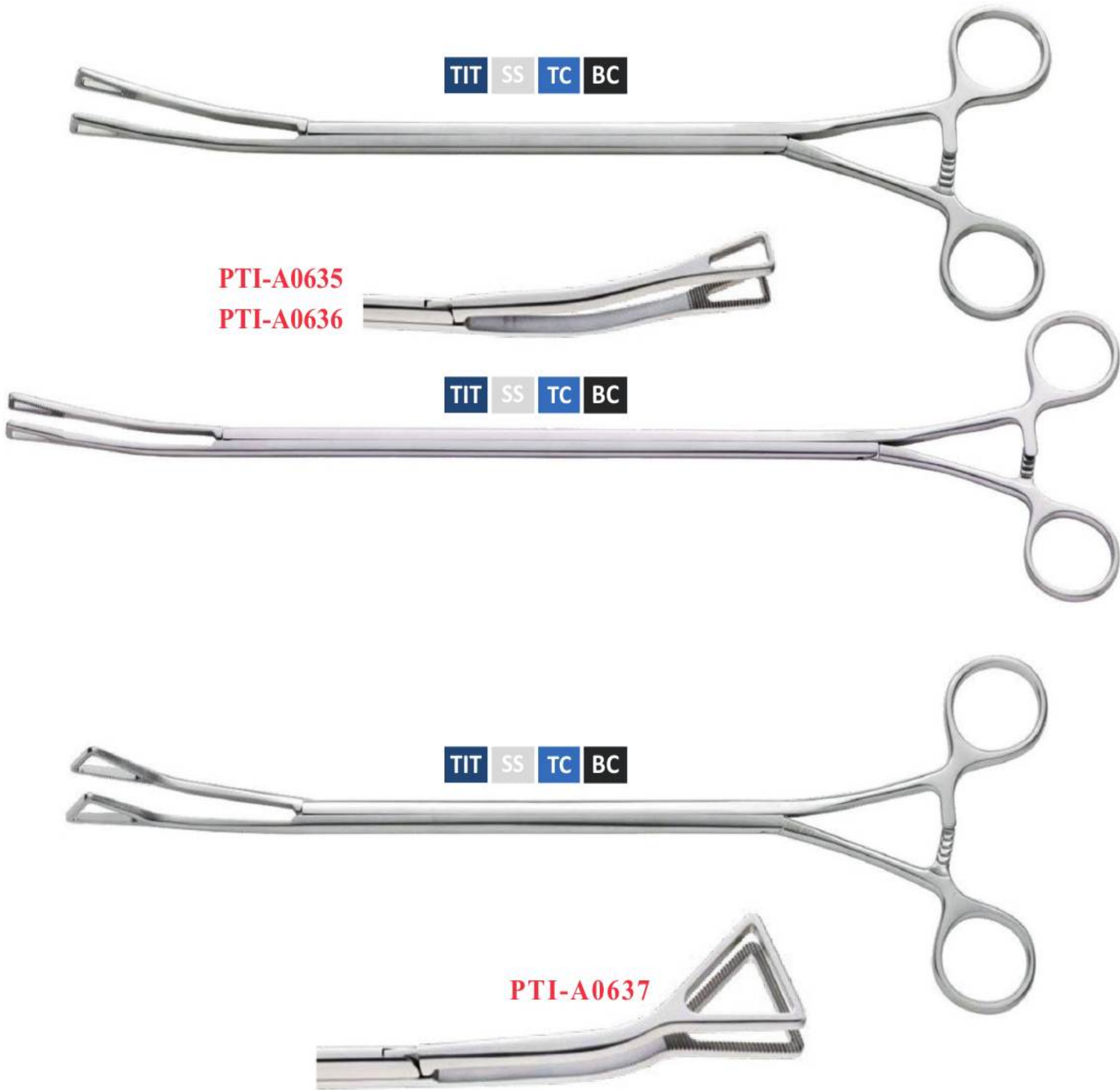
PTI-A0631

ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0632	CURVED LEFT JAWS 20 MM OVAL RING JAWS	10 MM	9½" (24 CM)	13¼" (33.5 CM)
PTI-A0633	WITH RATCHET		12½" (32 CM)	16¾" (42.4 CM)
PTI-A0634	CURVED LEFT JAWS 25 X 35 MM OVAL RING JAWS		9½" (24 CM)	13¼" (33.5 CM)



PRIME GRASPING CLAMPS

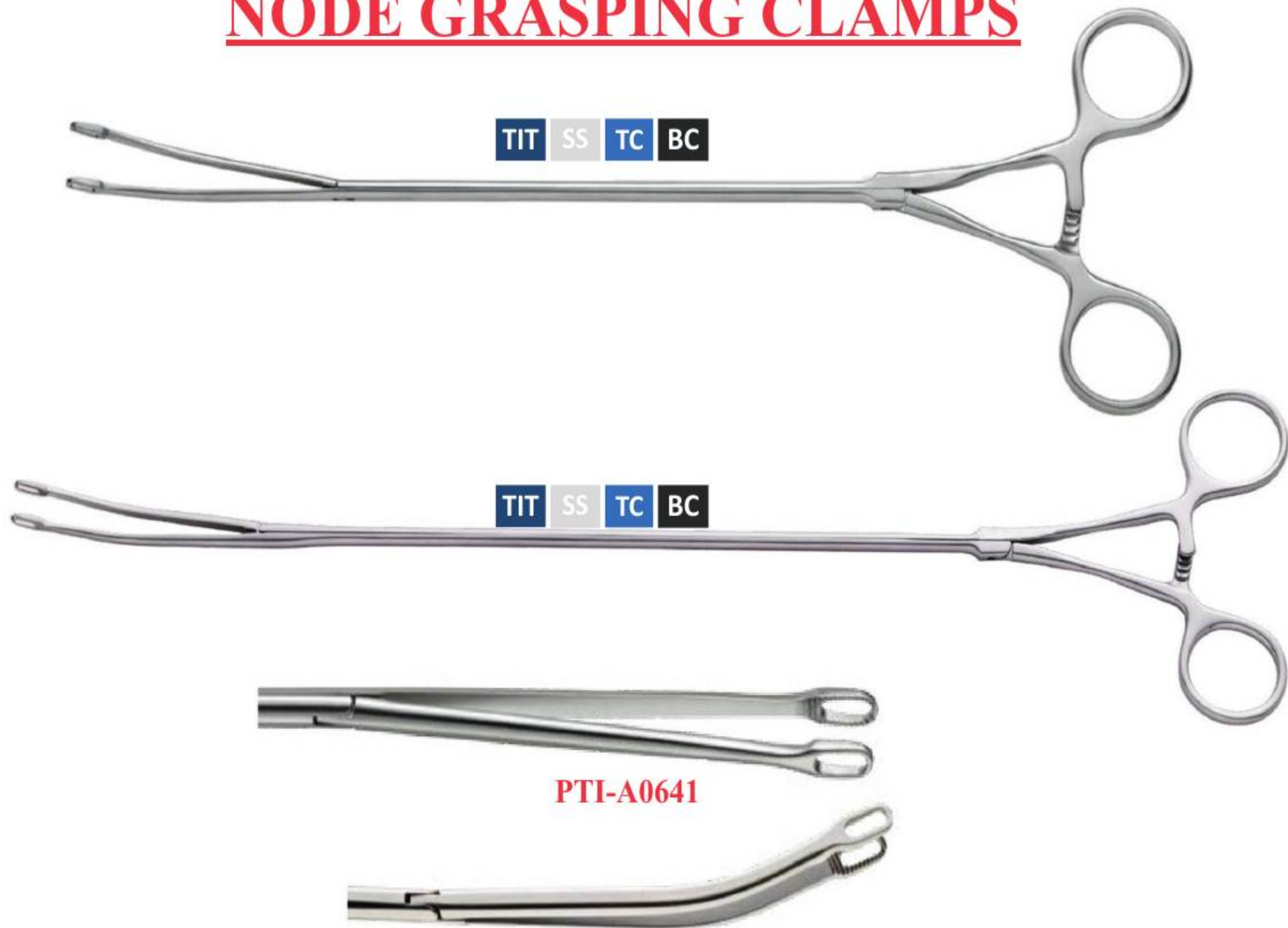
DUVAL LUNG GRASPING CLAMPS



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0638	CURVED LEFT JAWS	10 MM	9½¼" (23.5 CM)	13½" (34 CM)
PTI-A0639	1.0 CM WIDTH TRIANGULAR RING JAWS WITH RATCHET		12½" (32 CM)	16¾" (42.4 CM)
PTI-A0640	CURVED LEFT JAWS		9¼" (23.5 CM)	13½" (34 CM)
	2.5 CM WIDTH TRIANGULAR RING JAWS WITH RATCHET			

PRIME GRASPING CLAMPS

NODE GRASPING CLAMPS



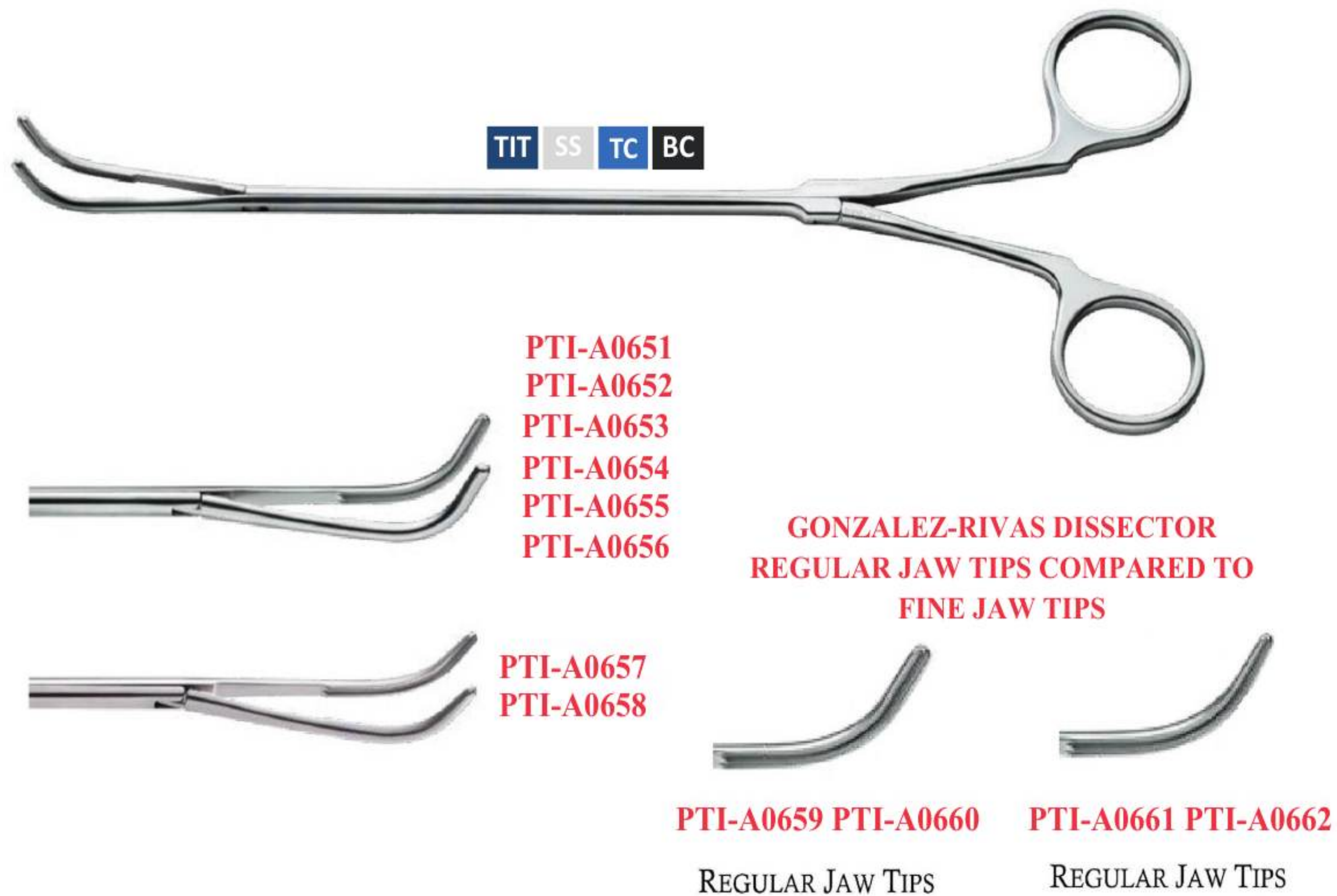
PTI-A0641

PTI-A0642
PTI-A0643
PTI-A0644
PTI-A0645

ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0646	STRAIGHT JAWS 11 MM OBLONG RING JAWS WITH RATCHET	5MM	9" (23 CM)	13" (33CM)
PTI-A0647	CURVED JAWS 11 MM OBLONG RING JAWS WITH RATCHET			
PTI-A0648	CURVED JAWS 11 MM OBLONG RING JAWS WITHOUT RATCHET			
PTI-A0649	CURVED JAWS 11 MM OBLONG RING JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	12½" (32 CM)	16¾" (42.4 CM)
PTI-A0650	CURVED JAWS 11 MM OBLONG RING JAWS			

PRIME DISSECTORS

GONZALEZ-RIVAS DISSECTOR



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0663	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITH RATCHET	5 MM	7½" (19 CM)	11½" (29 CM)
PTI-A0664	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITHOUT RATCHET			
PTI-A0665	MIXTER-STYLE 1 x 2 DeBAKEY JAWS FINE TIPS WITH RATCHET			
PTI-A0666	MIXTER-STYLE 1 x 2 DeBAKEY JAWS FINE TIPS WITHOUT RATCHET			
PTI-A0667	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITH RATCHET	5 MM TO 7 MM TAPERED	9½" (24 CM)	13½" (34 CM)
PTI-A0668	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITHOUT RATCHET			
PTI-A0669	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITH RATCHET	5 MM TO 7 MM TAPERED	12½" (32 CM)	16½" (41.9 CM)
PTI-A0670	MIXTER-STYLE 1 x 2 DeBAKEY JAWS WITHOUT RATCHET			

PRIME DISSECTORS

GENING J SPH SNAKE DISSECTOR



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0671	CURVED DISSECTOR JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	9¼" (23.5 CM)	13½" (344 CM)
PTI-A0672	CURVED DISSECTOR JAWS WITHOUT RATCHET			
PTI-A0673	CURVED DISSECTOR JAWS WITH RATCHET		12½" (32 CM)	16¾" (42.4 CM)
PTI-A0674	CURVED DISSECTOR JAWS WITHOUT RATCHET			

DENNIS DISSECTOR



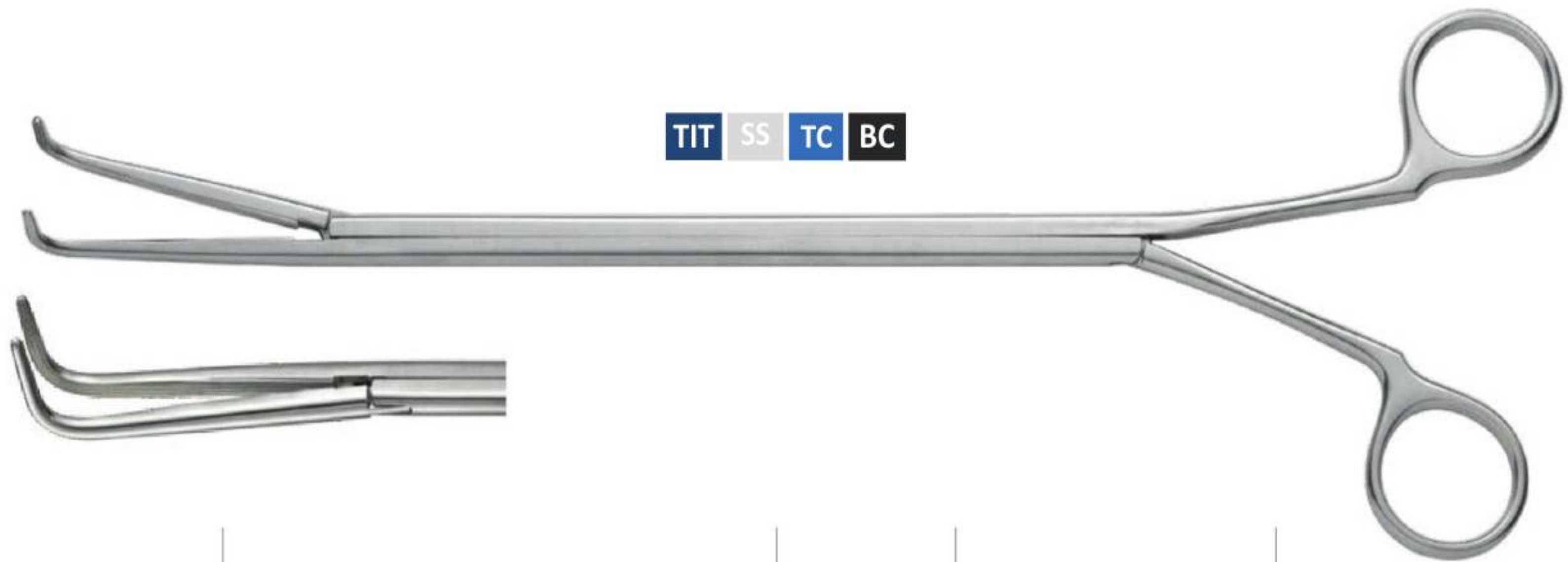
ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0675	CURVED LEFT JAWS SERRATED JAWS WITH RATCHET	7 MM	9" (23 CM)	13¼" (33.5 CM)
PTI-A0676	CURVED LEFT JAWS SERRATED JAWS WITHOUT RATCHET			
PTI-A0677	CURVED LEFT JAWS SERRATED JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	12.5" (32 CM)	16¾" (42.4 CM)
PTI-A0678	CURVED LEFT JAWS SERRATED JAWS WITHOUT RATCHET			

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PRIME CLAMPS

DEBAKEY COOLEY CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0679	DEBAKEY COOLEY JAWS WITH RATCHET	10 MM	9½" (24 CM)	13½" (34 CM)
PTI-A0680	DEBAKEY COOLEY JAWS WITHOUT RATCHET			

PRIME CLAMPS

HARKEN CLAMPS



ITEM NO.	DESCRIPTION		SHAFT	WORKING LENGTH	TOTAL LENGTH			
PTI-A0689	HARKEN #1	7.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITHOUT RATCHET	5 MM TO 7 MM TAPERED	7½” (19 CM)	11½” (29 CM)			
PTI-A0690		7.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITH RATCHET						
PTI-A0691	HARKEN #2	7.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITHOUT RATCHET						
PTI-A0692		7.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITH RATCHET						
PTI-A0693	HARKEN #1	9.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITHOUT RATCHET				10 MM	9⅞” (25 CM)	14” (35.6 CM)
PTI-A0694		9.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITH RATCHET						
PTI-A0695	HARKEN #2	9.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITHOUT RATCHET						
PTI-A0696		9.5 CM JAWS TAPERED 1x2 DeBAKEY JAWS WITH RATCHET						



PRIME CLAMPS

ALLIS FORCEPS (CLAMP)



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0699	CURVED LEFT JAWS 6 MM WIDTH JAWS WITH RATCHET	7 MM	9" (23 CM)	13¼" (33.5CM)
PTI-A0700	STRAIGHT JAWS 4 MM WIDTH JAWS WITH RATCHET	5 MM TAPERED TO 7 MM	7½" (19 CM)	11½" (29 CM)
PTI-A0701	CURVED LEFT JAWS 4 MM WIDTH JAWS WITH RATCHET			

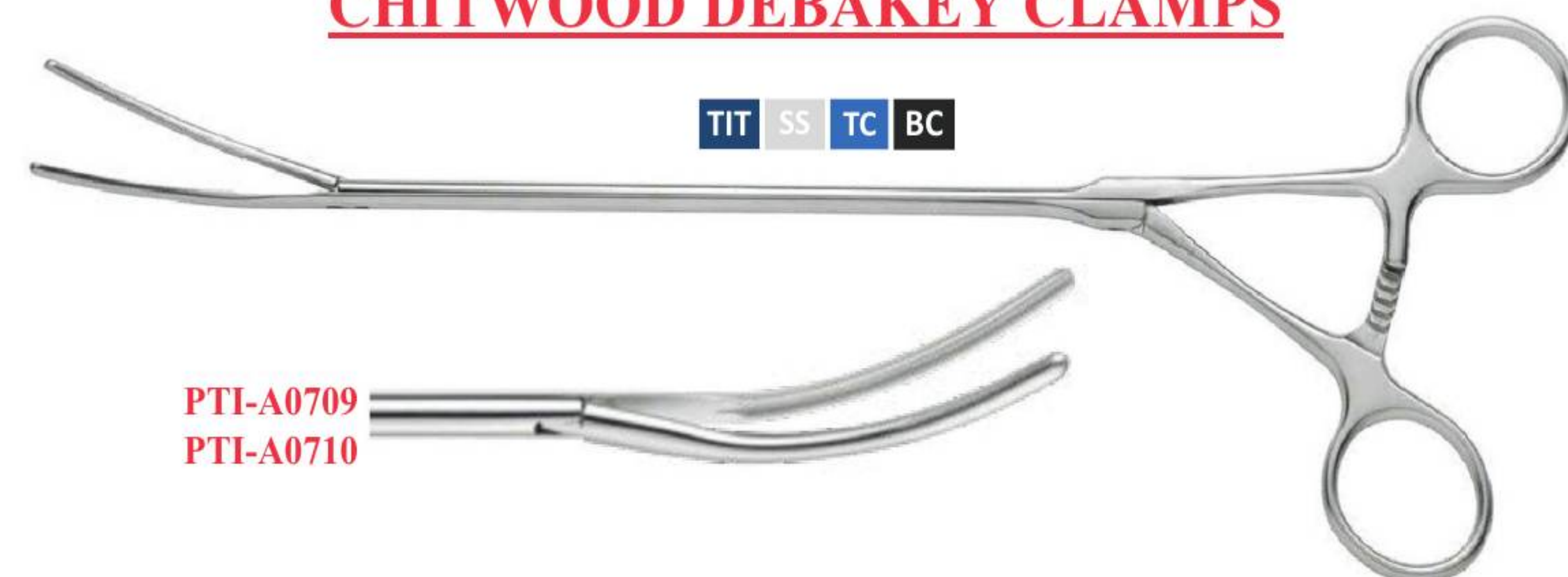
PRIME CLAMPS

D'AMICO DEBAKEY CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0706	CURVED LEFT JAWS TAPERED 1X2 DEBAKEY JAWS 11CM JAW LENGTH WITHOUT RATCHET	10 MM	10" (25.4)	14½" (37 CM)
PTI-A0707	CURVED LEFT JAWS TAPERED 1X2 DEBAKEY JAWS 11CM JAW LENGTH WITH RATCHET			
PTI-A0708	STRAIGHT JAWS TAPERED 1X2 DEBAKEY JAWS 11.5 CM JAW LENGTH WITH RATCHET		10½" (27 CM)	14¾" (37.5 CM)

CHITWOOD DEBAKEY CLAMPS

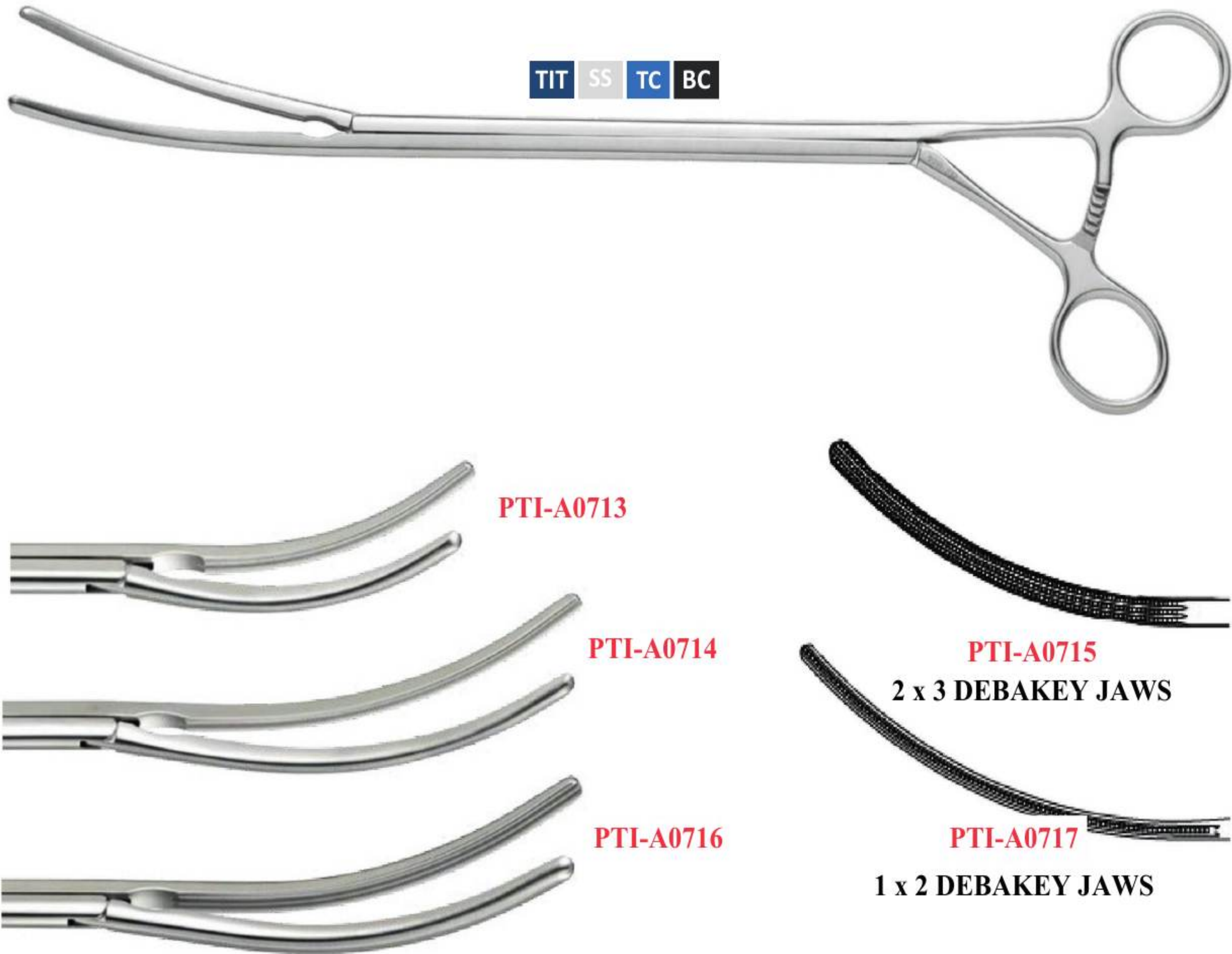


ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0711	6 CM JAW LENGTH CURVED LEFT JAWS 1 X 2 DEBAKEY JAWS WITH RATCHET	5 MM	8¼" (21 CM)	12¼" (31 CM)
PTI-A0712	6 CM JAW LENGTH CURVED LEFT JAWS 1 X 2 DEBAKEY JAWS WITHOUT RATCHET			



PRIME CLAMPS

CHITWOOD DEBAKEY CLAMPS

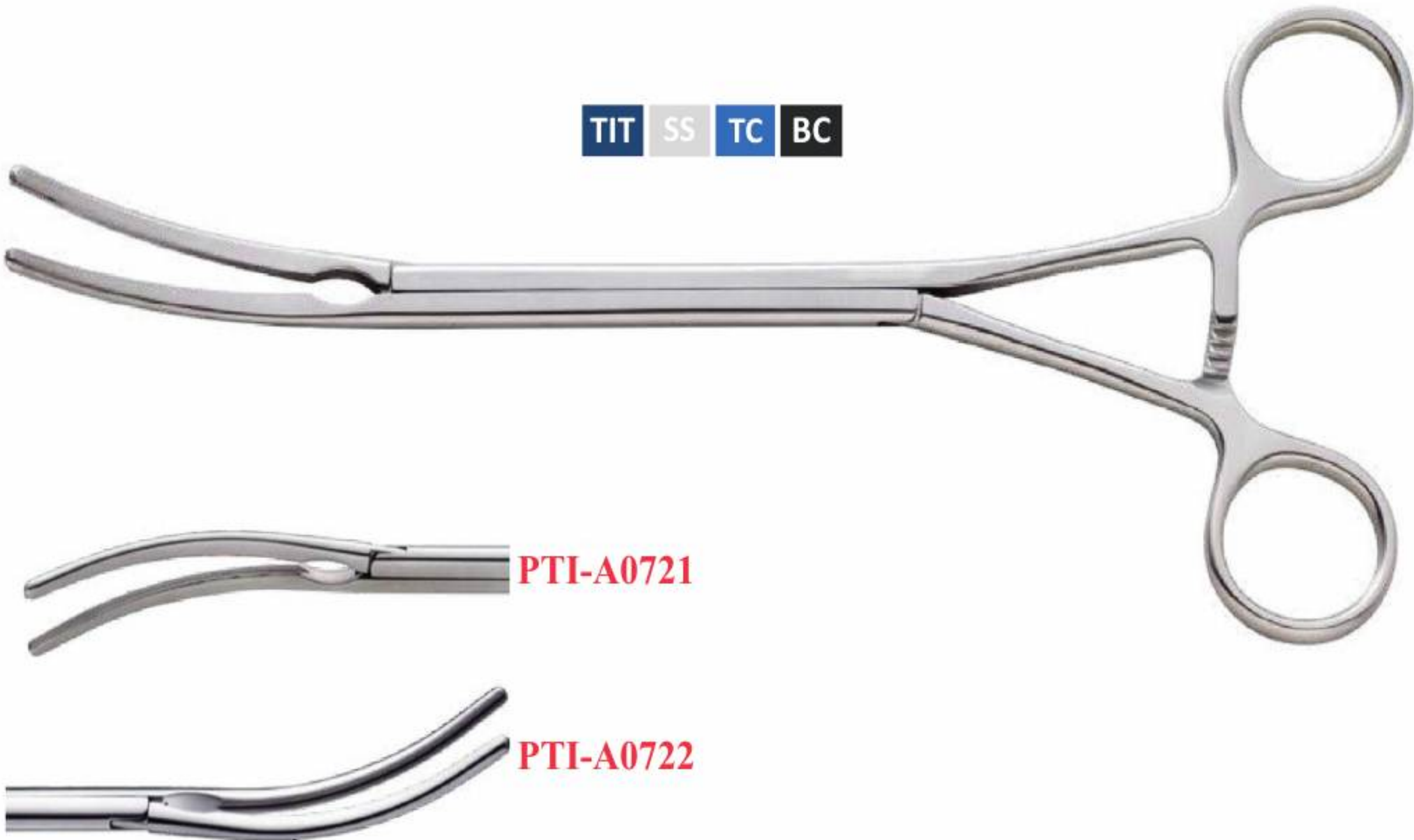


ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0718	6.5 CM JAW LENGTH 1x2 DEBAKEY JAWS CURVED LEFT JAWS WITH RATCHET	10 MM	9" (23 CM)	12¾" (32.5 CM)
PTI-A0719	10 CM JAW LENGTH 1x2 DEBAKEY JAWS CURVED LEFT JAWS WITH RATCHET		10" (25.4 CM)	14¼" (36 CM)
PTI-A0720	10 CM JAW LENGTH 2x3 DEBAKEY JAWS CURVED LEFT JAWS WITH RATCHET			



PRIME CLAMPS

CHITWOOD DEBAKEY CLAMPS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0723	7 CM JAW LENGTH CURVED LEFT JAW 1x2 DEBAKEY JAWS WITH RATCHET	10 MM	6¾" (17 CM)	10 3/8" (26.4 CM)
PTI-A0724	7 CM JAW LENGTH CURVED RIGHT JAW 1x2 DEBAKEY JAWS WITH RATCHET			

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PRIME CLAMPS

CHITWOOD DEBAKEY CLAMPS

TIT SS TC BC



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0725	8 CM JAW LENGTH CURVED LEFT JAWS 2 X 3 DEBAKEY JAWS ANGLED SHANKS	10 MM	5⅞" (13CM)	8" (20.5 CM)

TIT SS TC BC



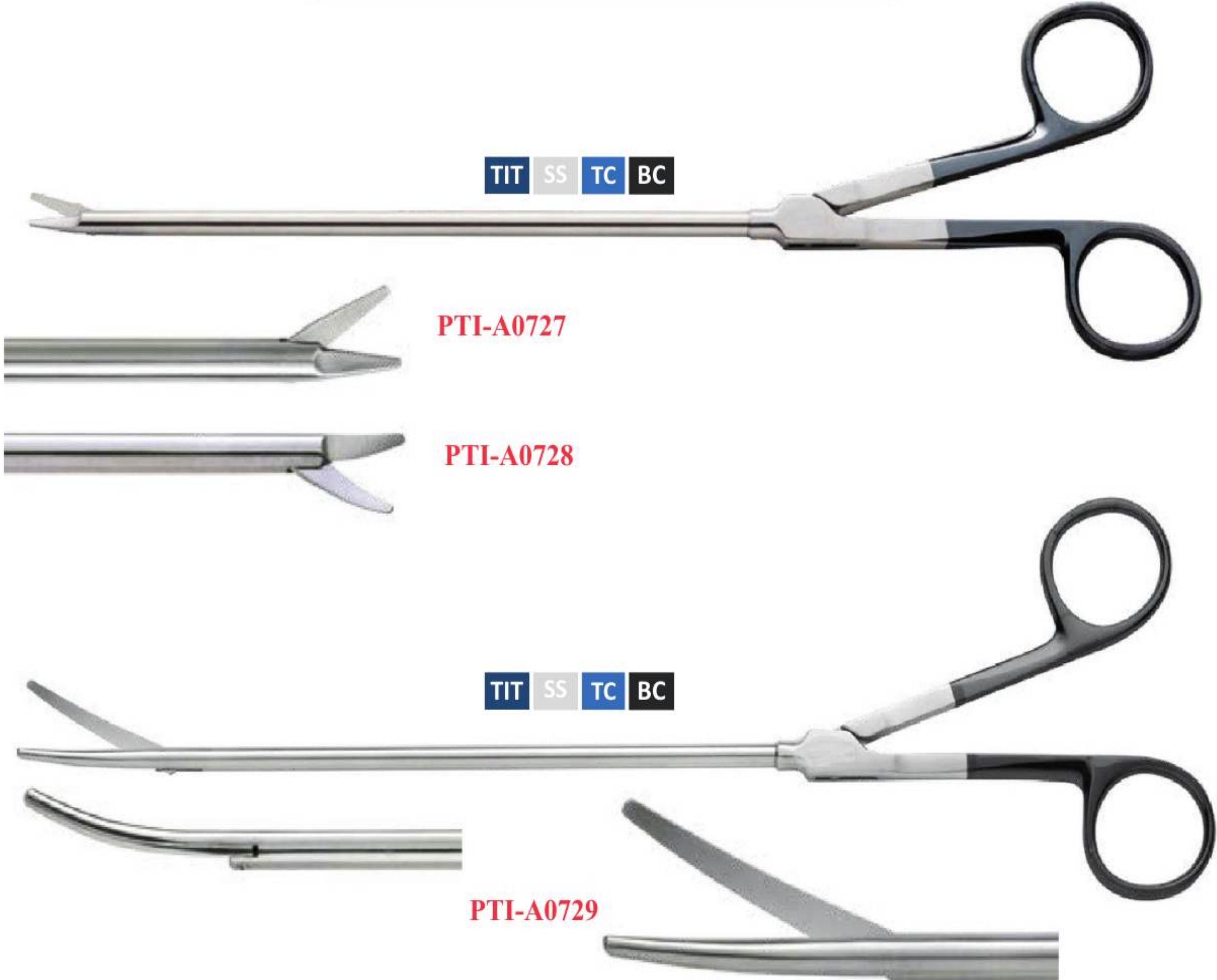
ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0726	7 CM JAW LENGTH CURVED LEFT JAWS 1 X 2 DEBAKEY JAWS ANGLED SHANKS	10 MM	6¾" (17 CM)	9¾" (24.8 CM)

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PRIME SCISSORS

SUPER CUT SCISSORS



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0730	STRAIGHT FINE BLADES 1 CM BLADE LENGTH BLUNT	5 MM	6½" (16.5 CM)	10½" (27 CM)
PTI-A0731	CURVED FINE BLADES 1 CM BLADE LENGTH BLUNT		6½" (16.5 CM)	10½" (27 CM)
PTI-A0732	CHITWOOD DISSECTING SCISSORS CURVED BLADES 3 CM BLADE LENGTH		7¼" (18.5 CM)	11½" (29 CM)

PRIME SCISSORS

SUPER CUT SCISSORS



METZENBAUM SCISSORS

ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0733	CURVED BLADES 3.1 CM BLADE LENGTH BLUNT TIPS	10 MM	12½" (32 CM)	16½" (42.1CM)
PTI-A0734	CURVED BLADES 3.5 CM BLADE LENGTH BLUNT TIPS		7¾" (19.5 CM)	11½" (29 CM)
PTI-A0735	CURVED BLADES 3.5 CM BLADE LENGTH BLUNT TIPS			



PTI-A0736



PTI-A0737



PRIME SURGICAL VATS/MIS

ROCCO ADVENTITIA ELEVATOR (FORCEPS)

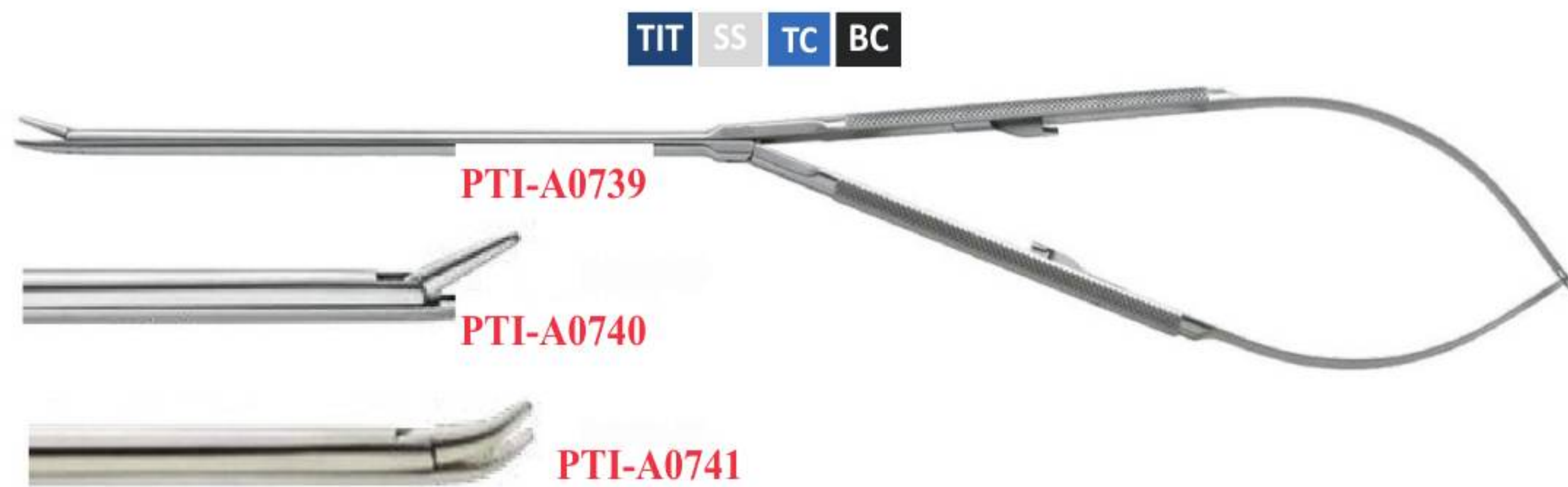
TIT SS TC BC



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0738	DIAMOND DUST JAWS CURVED DOWN WITHOUT RATCHET RING HANDLE CURVED DOWN	5 MM	8" (20 CM)	12¾" (32.5 CM)

PRIME NEEDLE HOLDERS

SPRING STYLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0742	STRAIGHT DIAMOND DUST JAWS WITH RATCHET	5-0 AND SMALLER	5MM	6½" (16.5CM)	153/8" (38.5CM)
PTI-A0743	CURVED DIAMOND DUST JAWS WITH RATCHET				

RING HANDLE NEEDLE HOLDERS



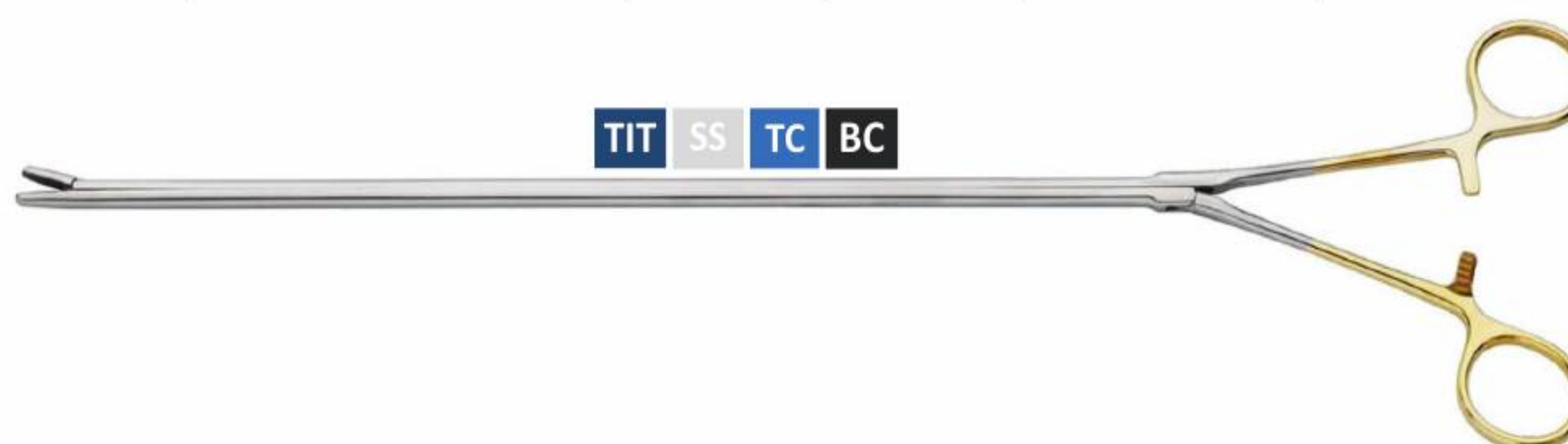
ITEM NO.	DESCRIPTION	SUTURE	SHAFT	WORKING	TOTAL LENGTH
PTI-A0745	STRAIGHT JAWS FINE DIAMOND DUST JAWS WITH RATCHET	5-0 AND SMALLER	5 MM	6½" (16.5CM)	10½" (27CM)

PRIME NEEDLE HOLDERS

RING HANDLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0750	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	4-0 AND SMALLER	7MM	6¼" (16CM)	11¼" (28.5CM)
PTI-A0751	CURVED JAWS CARBON-INLAY JAWS GOLD RING				
PTI-A0752	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING	2-0 AND SMALLER			
PTI-A0753	CURVED JAWS CARBON-INLAY JAWS GOLD RING				



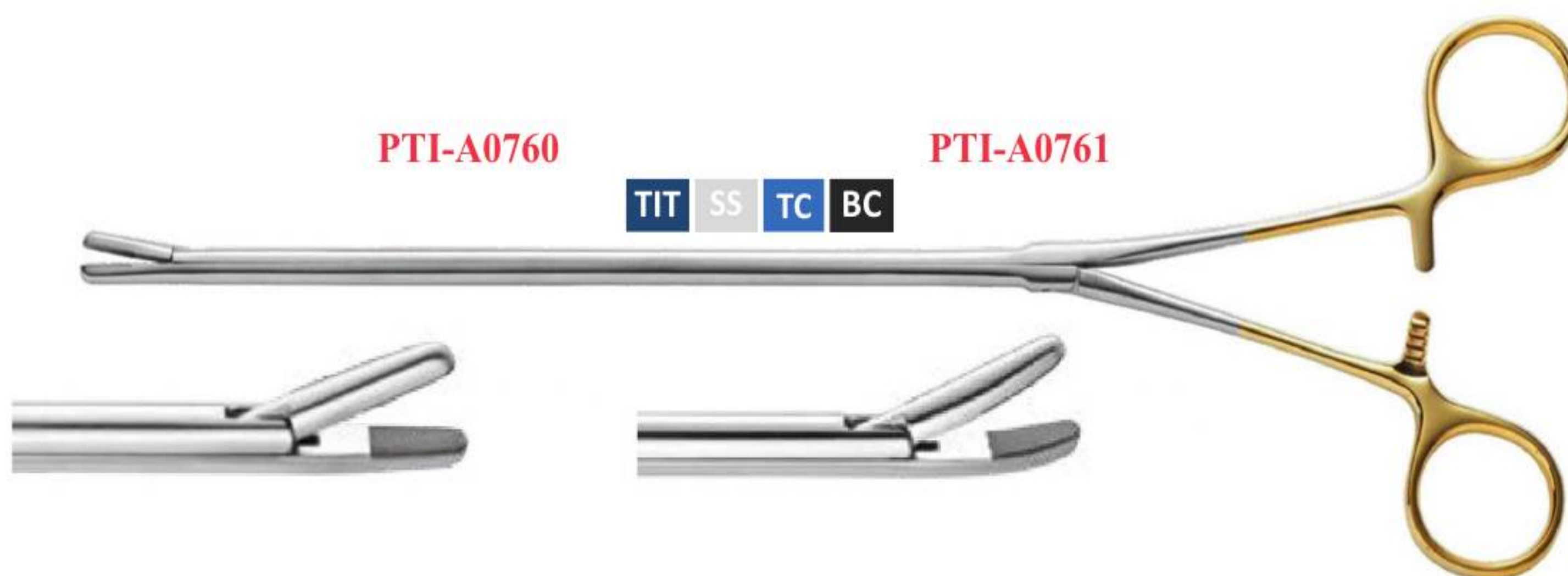
ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0754	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	2-0 AND SMALLER	7 MM	12½" (32CM)	17½" (44.5CM)
PTI-A0755	CURVED JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET				

PRIME NEEDLE HOLDERS

RING HANDLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0758	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	2-0 AND SMALLER	10MM	8¼" (21CM)	13½" (34CM)
PTI-A0759	CURVED JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET				



ITEM NO	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0762	STRAIGHT JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET	2-0 AND SMALLER	10MM	8¼" (21CM)	13½" (34CM)
PTI-A0763	CURVED JAWS CARBON-INLAY JAWS GOLD RING HANDLE WITH RATCHET				

PRIME NEEDLE HOLDERS

AXIAL HANDLE NEEDLE HOLDERS



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0772	STRAIGHT DIAMOND DUST JAWS WITHOUT RATCHET	7-0 AND SMALLER	5MM	8" (20CM)	14 3/8" (36.5CM)
PTI-A0773	STRAIGHT DIAMOND DUST JAWS WITH RATCHET				
PTI-A0774	CURVED DIAMOND DUST JAWS WITHOUT RATCHET				
PTI-A0775	CURVED DIAMOND DUST JAWS WITH RATCHET				
PTI-A0776	STRAIGHT DIAMOND DUST JAWS WITHOUT RATCHET	5-0 AND SMALLER	6MM	8" (20CM)	14 3/8" (36.5CM)
PTI-A0777	STRAIGHT DIAMOND DUST JAWS WITH RATCHET				
PTI-A0778	CURVED DIAMOND DUST JAWS WITHOUT RATCHET				
PTI-A0779	CURVED DIAMOND DUST JAWS WITH RATCHET				

PRIME NEEDLE HOLDERS

AXIAL HANDLE NEEDLE HOLDERS

TIT SS TC BC



PTI-A0780
PTI-A0781



PTI-A0782
PTI-A0783



PTI-A0784
PTI-A0785



PTI-A0786
PTI-A0787

ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0788	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET	2-0 & SMALLER	7MM	8" (20CM)	14 3/8" (36.5CM)
PTI-A0789	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				
PTI-A0790	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET				
PTI-A0791	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				
PTI-A0792	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET	4-0 & SMALLER	7MM	8" (20CM)	14 3/8" (36.5CM)
PTI-A0793	STRAIGHT CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				
PTI-A0794	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITHOUT RATCHET				
PTI-A0795	CURVED CARBON-INLAY JAWS GOLD TIPPED HANDLE WITH RATCHET				

PRIME KNOT PUSHERS

GONZALEZ-RIVAS KNOT PUSHER



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0796	CURVED UP	5MM	11½" (27CM)	14¾" (37.5CM)
PTI-A0797			12½" (32CM)	16¾" (42.4CM)

CHITWOOD KNOT PUSHER



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0798	"TRAP MODEL"	2-0 & SMALLER	2-0 & SMALLER	5½" (13CM)	11" (28CM)
PTI-A0799				5½" (14CM)	12" (30.5CM)
PTI-A0800				6¾" (17CM)	13⅝" (34.6CM)
PTI-A0801				8½" (21.5CM)	15 3/8" (39.1CM)



PRIME KNOT PUSHERS

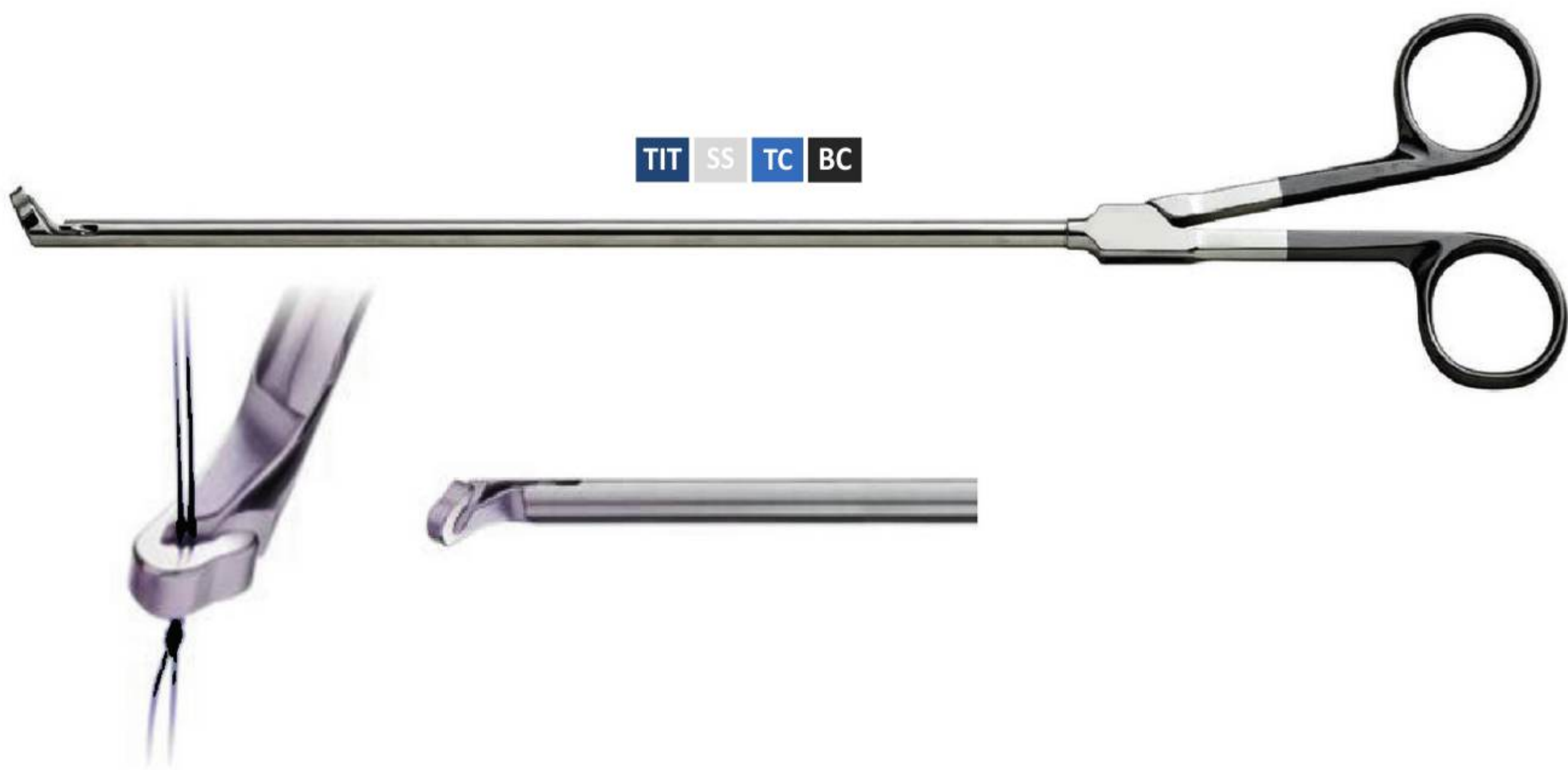
CHITWOOD KNOT PUSHER



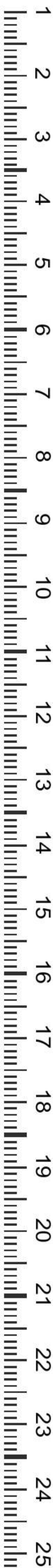
ITEM No.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0802	ORIGINAL "TRAP MODEL"	2-0 & SMALLER	5MM	6¼" (15.5CM)	12½" (32CM)
PTI-A0803	ORIGINAL "TRAP MODEL"			8½" (21.5CM)	15 3/8" (39.1CM)
PTI-A0804	ORIGINAL "TRAP MODEL" LONG HANDLE			7¼" (18.5CM)	15¾" (40CM)



PRIME SUTURE CUTTER



ITEM NO.	DESCRIPTION	SUTURE SIZE	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0805	"TRAP MODEL" 2-0 & SMALLER 5MM			7" (18CM)	11" (28CM)
PTI-A0806				9" (23CM)	13" (33CM)
PTI-A0807				11" (28CM)	15" (38CM)



PRIME SUCTION INSTRUMENTS

WOLF



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0808	CURVED BLUNT TIP 6 MM WIDTH TIP	3.2MM	6¾" (17CM)	12¼" (31CM)
PTI-A0809	VARIABLE SUCTION CURVED BLUNT TIP 6 MM WIDTH TIP			
PTI-A0810	CURVED BLUNT TIP 6 MM WIDTH TIP		8¾" (22CM)	14¼" (36CM)
PTI-A0811	VARIABLE SUCTION CURVED BLUNT TIP 6 MM WIDTH TIP			
PTI-A0812	CURVED BLUNT TIP 6 MM WIDTH TIP	32.5 TO 5MM	8¾" (22CM)	14¼" (36CM)
PTI-A0813	VARIABLE SUCTION CURVED BLUNT TIP 6 MM WIDTH TIP			

PRIME SUCTION INSTRUMENTS

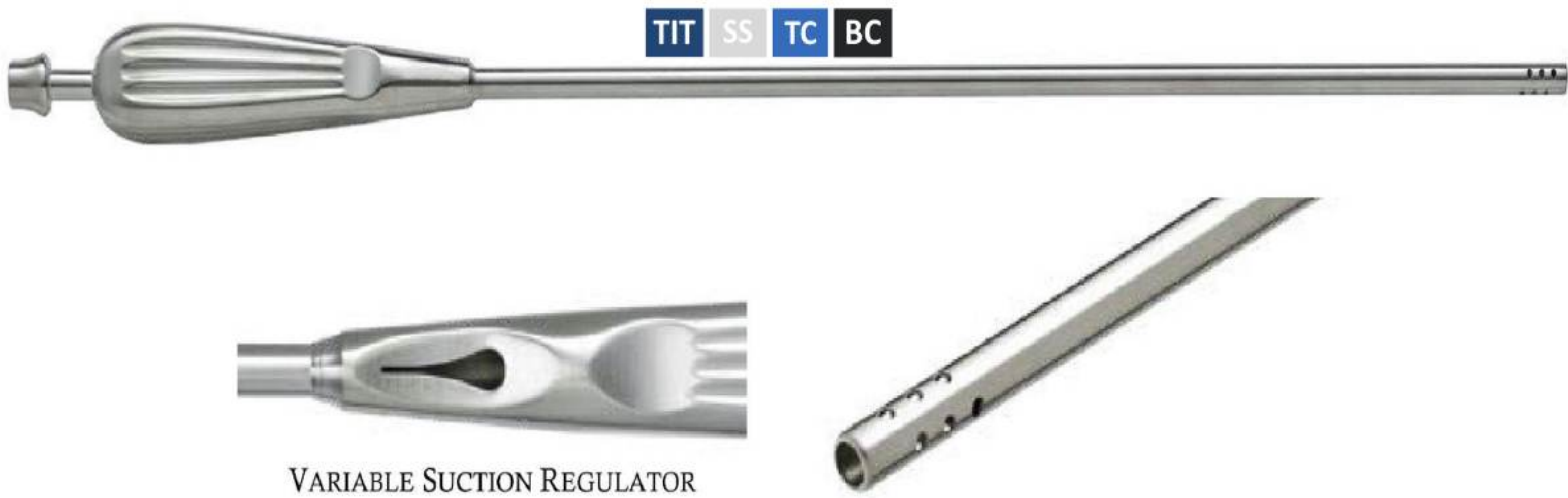
DENNIS



ITEM NO.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0814	CURVED BLUNT TIP 7.5 MM WIDTH TIP	5MM	8¾" (22CM)	14¼" (36CM)
PTI-A0815	VARIABLE SUCTION CURVED BLUNT TIP 7.5 MM WIDTH TIP			
PTI-A0816	CURVED BLUNT TIP 7.5 MM WIDTH TIP		12½" (32CM)	17¾" (45.5CM)
PTI-A0817	VARIABLE SUCTION CURVED BLUNT TIP 7.5 MM WIDTH TIP			

PRIME SUCTION INSTRUMENTS

D'AMICO



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0818	STRAIGHT BLUNT TIP 5 MM WIDTH TIP	5MM	12½" (32CM)	17¾" (45.5CM)
PTI-A0819	VARIABLE SUCTION STRAIGHT BLUNT TIP 5 MM WIDTH TIP			

SUCTION ACCESSORIES

The image shows a long, thin, metallic tube with a brush set attached to one end. Above the tube, there are four colored boxes labeled TIT (blue), SS (grey), TC (blue), and BC (black).

ITEM No.	DESCRIPTION	TOTAL LENGTH
PTI-A0820	BRUSH SET, PACK OF 10, FOR 5 MM D'AMICO AND 3.2 MM WOLF AND DENNIS SUCTION INSTRUMENTS	19" (48.3CM)
PTI-A0821	BRUSH SET, PACK OF 10, FOR 10 MM D'AMICO SUCTION INSTRUMENTS	



PRIME SUCTION INSTRUMENTS

D'AMICO



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0822	STRAIGHT BLUNT TIP 10 MM WIDTH TIP	10MM	12½" (32CM)	17¾" (45.5CM)
PTI-A0823	VARIABLE SUCTION STRAIGHT BLUNT TIP 10 MM WIDTH TIP			
PTI-A0824	CURVED BLUNT TIP 10 MM WIDTH TIP			
PTI-A0825	VARIABLE SUCTION CURVED BLUNT TIP			

PRIME RIB CUTTER

TIT SS TC BC



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0826	10 MM BLADE 16 MM CUTTING WIDTH STRAIGHT SHAFT	10MM	11½" (29CM)	13½" (34CM)
PTI-A0827	15 MM BLADE 25 MM CUTTING WIDTH STRAIGHT SHAFT			
PTI-A0828	20 MM BLADE 25 MM CUTTING WIDTH STRAIGHT SHAFT			



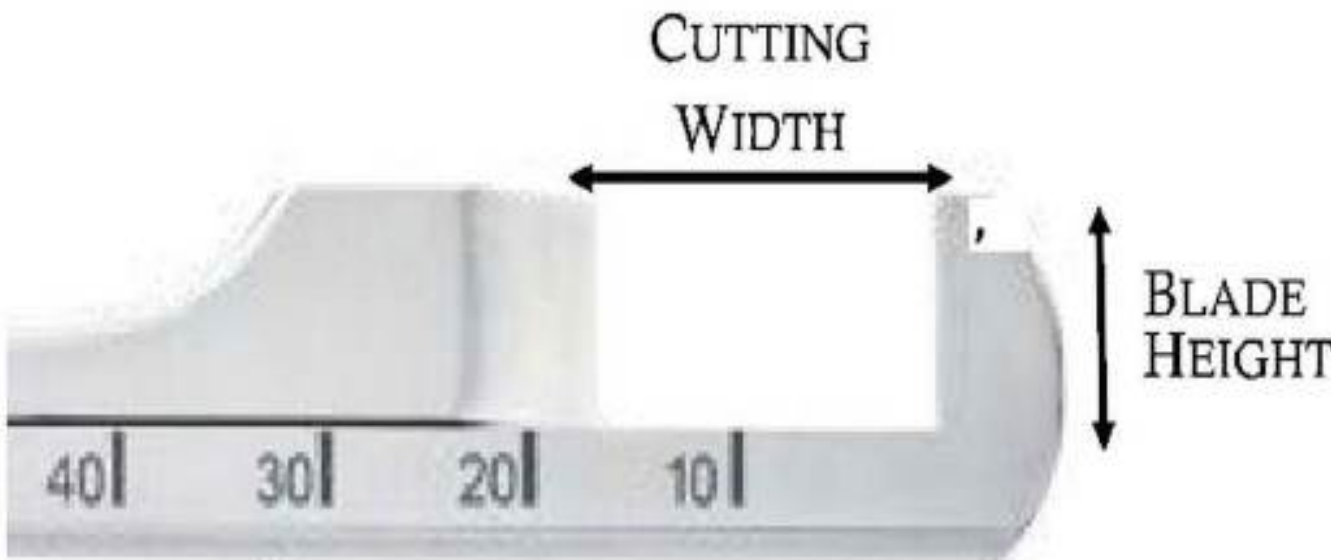
PTI-A0829



PTI-A0830



PTI-A0831



ITEM No.	BLADE HEIGHT	CUTTING WIDTH
PTI-A0832	10MM	16MM
PTI-A0833	15MM	25MM
PTI-A0834	20MM	25MM

CM
1
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23
24
25



PRIME SUTURE PULLER



ITEM No.	DESCRIPTION	SHAFT	WORKING LENGTH	TOTAL LENGTH
PTI-A0837	STRAIGHT 1.75MM TIP	3.1MM	7½" (19CM)	11½" (29CM)
PTI-A0838	STRAIGHT 3.1MM TIP			

PRIME ARTERY CLAMPS

AN OVERVIEW ON ATRAUMATIC JAWS

Also known as non-traumatic, atraumatic jaws will be mainly found in delicate surgery areas such as vascular and cardiothoracic. The design is such, that the surface area gripped is reduced, ensuring less trauma without the loss of grip. Atraumatic jaws are available as straight or curved.

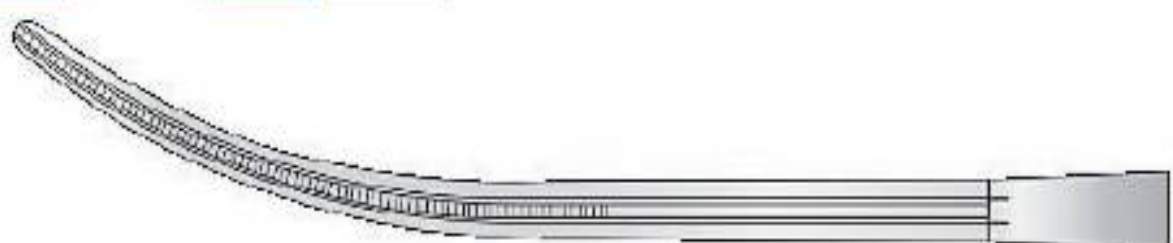
ATRAUMATIC JAW, STRAIGHT

TIT SS TC BC



ATRAUMATIC JAW, CURVED

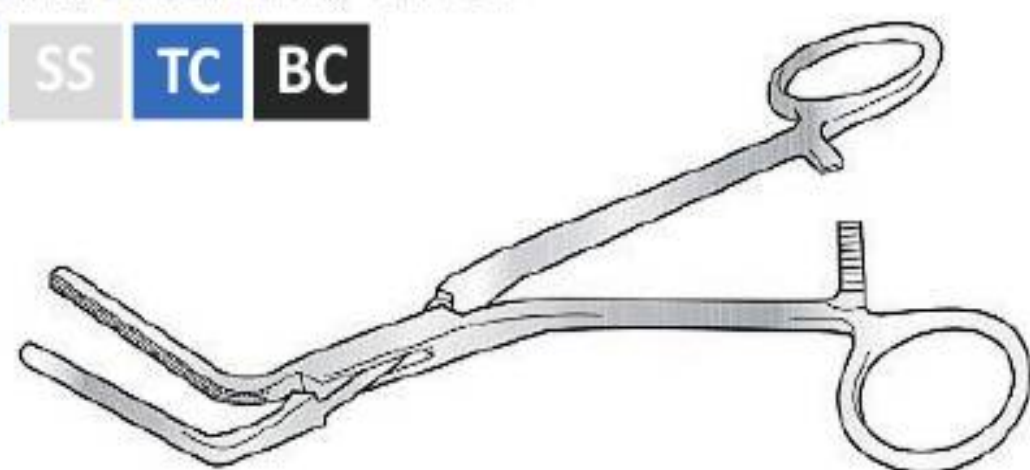
TIT SS TC BC



PRIME COOLEY ARTERY CLAMPS

Box joint, atraumatic, curved

TIT SS TC BC



Code	Description
PTI-A0844	160mm long
PTI-A0845	200mm long

Large, curved 60°

Code	Description
PTI-A0847	150mm long

Large, strongly curved 90°

Code	Description
PTI-A0846	140mm long

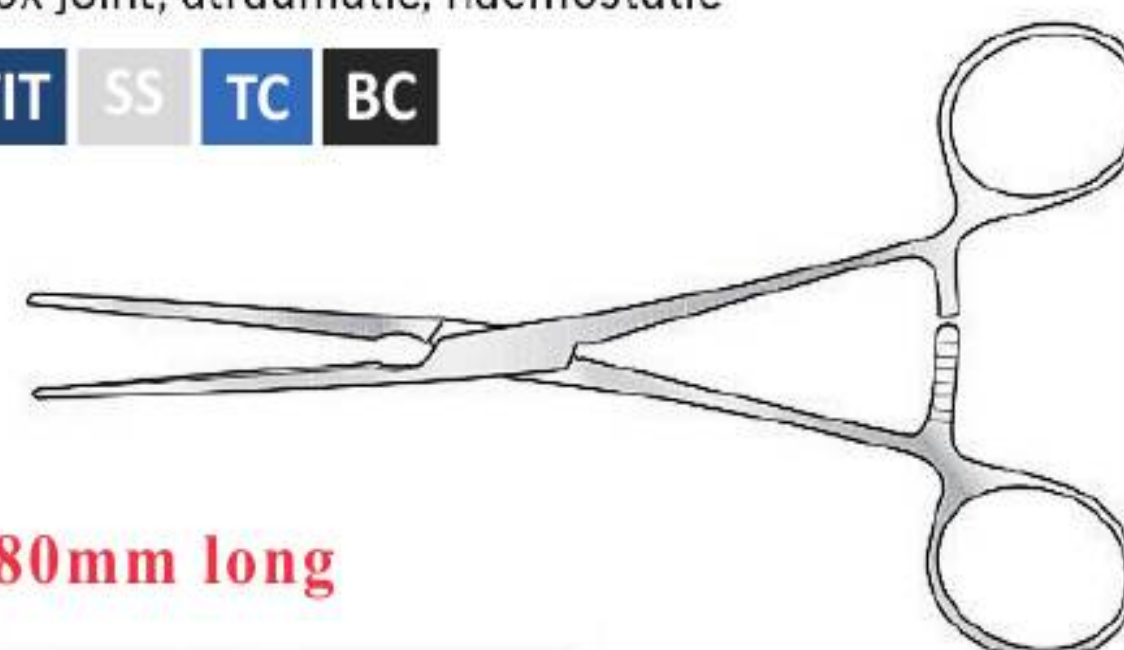
Curved 30°

Code	Description
PTI-A0848	160mm long

PRIME DEBAKEY BAINBRIDGE CLAMPS

Box joint, atraumatic, haemostatic

TIT SS TC BC



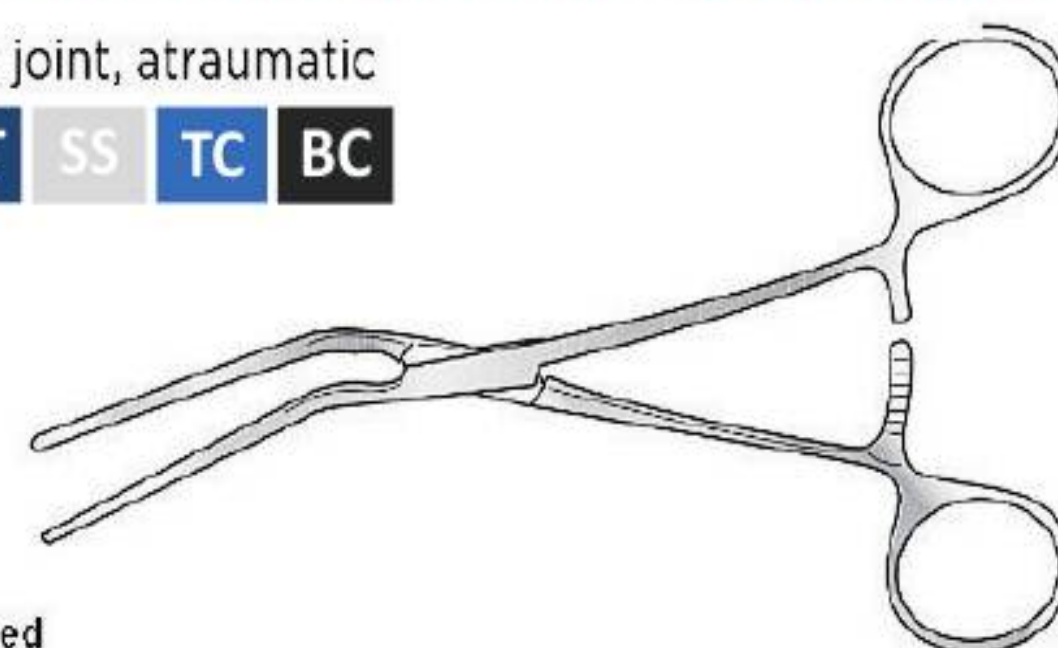
180mm long

Code	Description
PTI-A0839	Straight
PTI-A0840	Curved

PRIME DEBAKEY BAINBRIDGE CLAMPS

Box joint, atraumatic

TIT SS TC BC



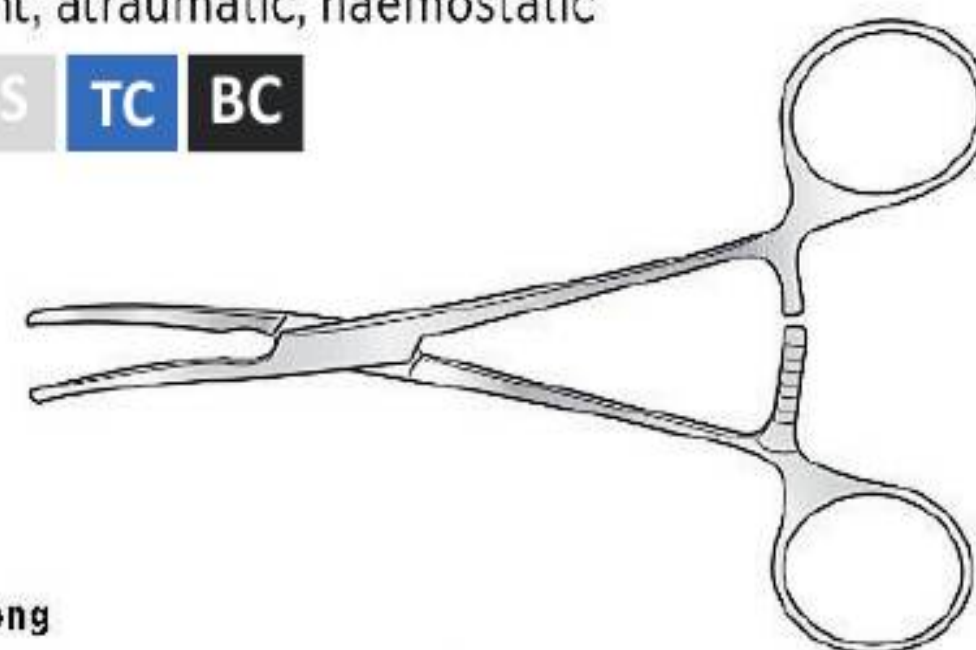
Curved

Code	Description
PTI-A0841	165mm long

PRIME DEBAKEY BAINBRIDGE CLAMPS

Box joint, atraumatic, haemostatic

TIT SS TC BC



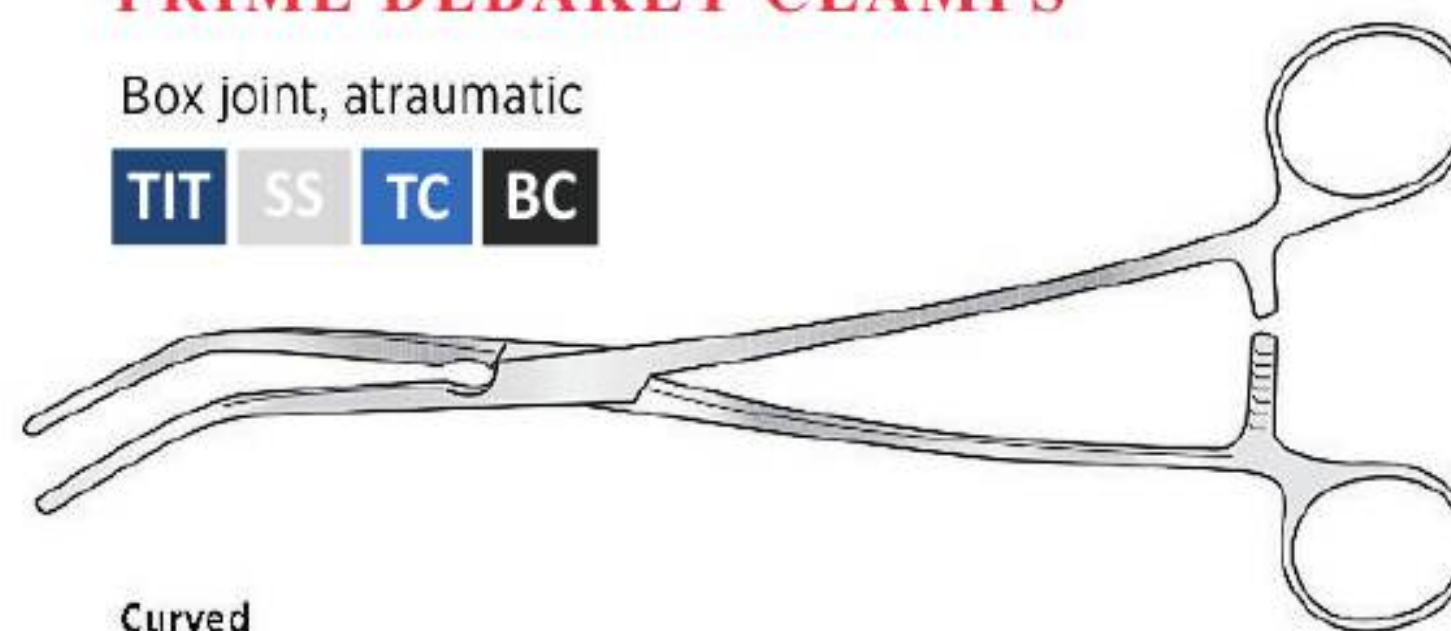
155mm long

Code	Description
PTI-A0842	Curved
PTI-A0843	Straight

PRIME DEBAKEY CLAMPS

Box joint, atraumatic

TIT SS TC BC



Curved

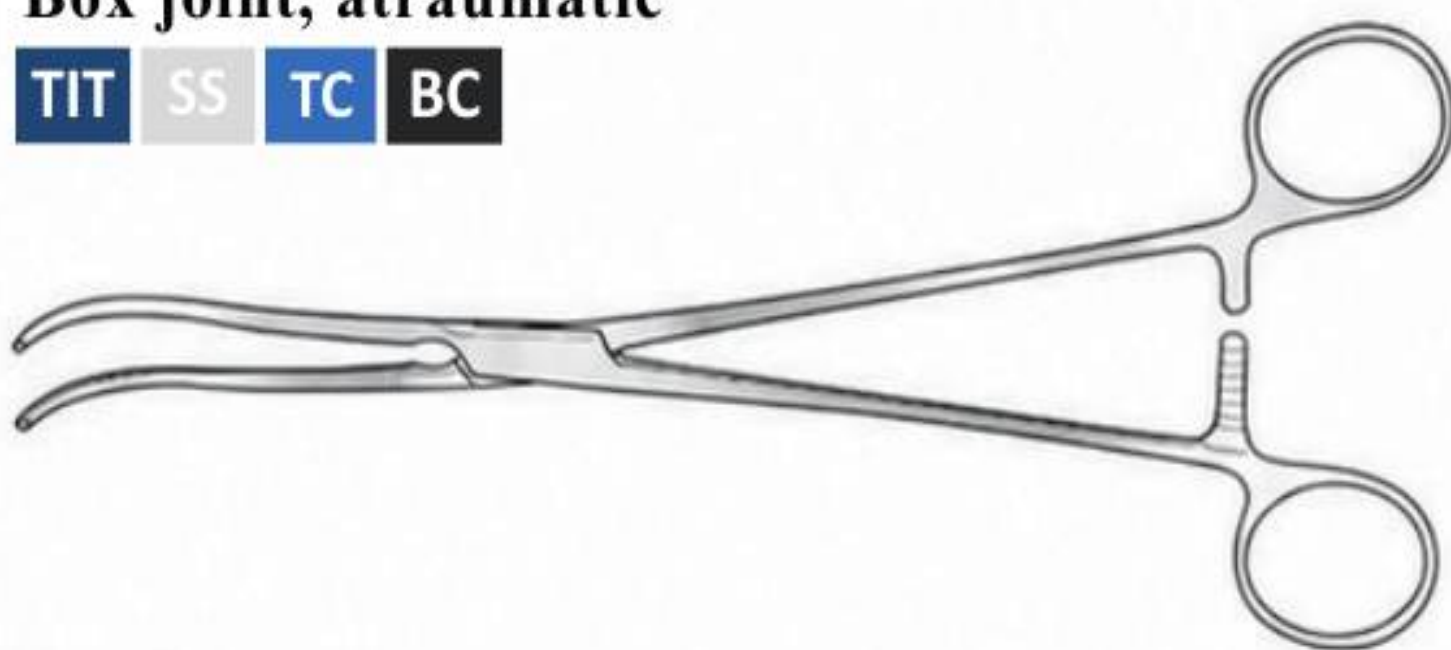
Code	Description
PTI-A0849	230mm long

PRIME ARTERY CLAMPS

PRIME DeBakey Clamps

Box joint, atraumatic

TIT SS TC BC



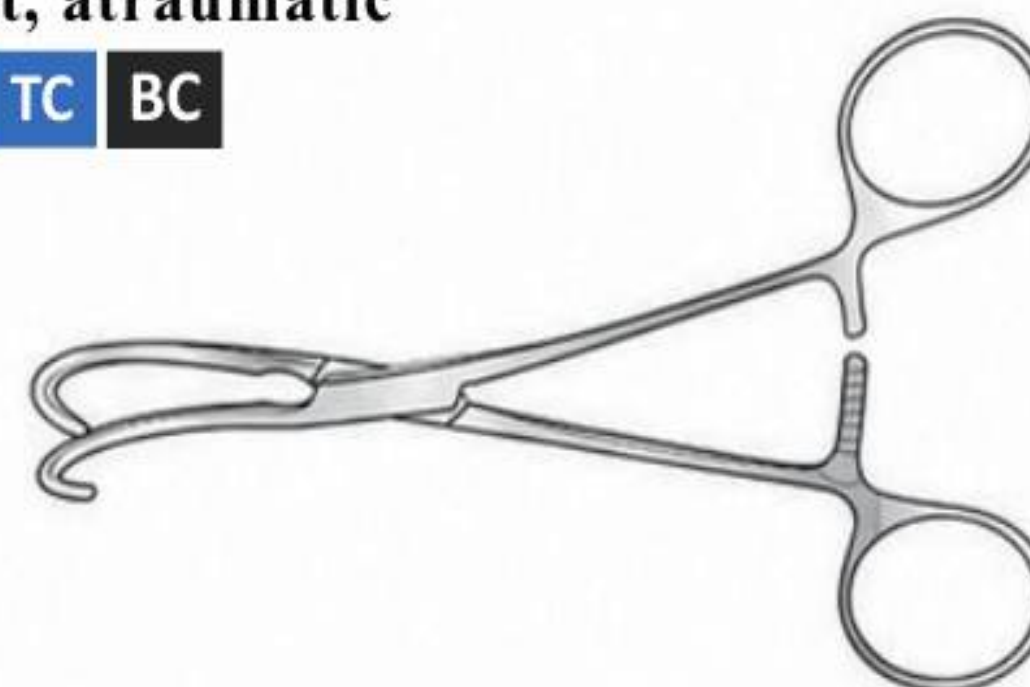
Curved

Code	Description
PTI-A0850	230mm long
PTI-A0851	240mm long
PTI-A0852	245mm long

PRIME DeBakey Clamps

Box joint, atraumatic

TIT SS TC BC



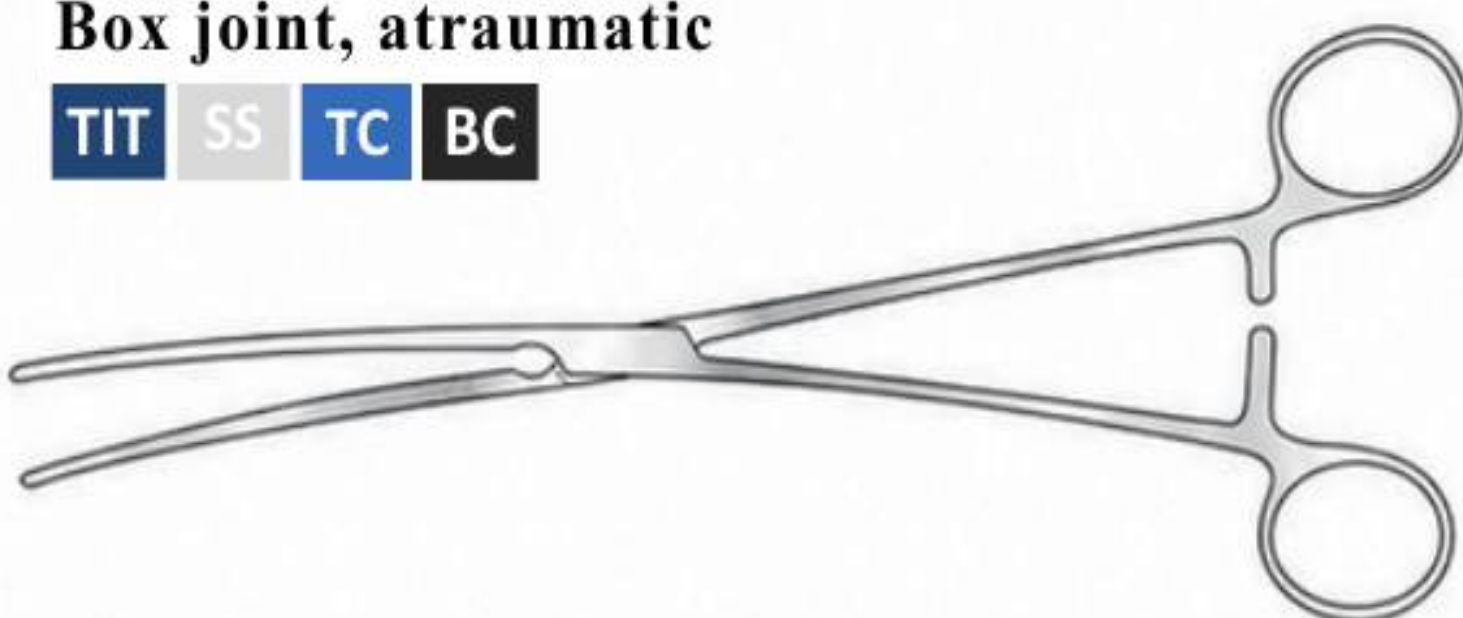
Curved

Code	Description
PTI-A0853	150mm long

PRIME DeBakey Clamps

Box joint, atraumatic

TIT SS TC BC



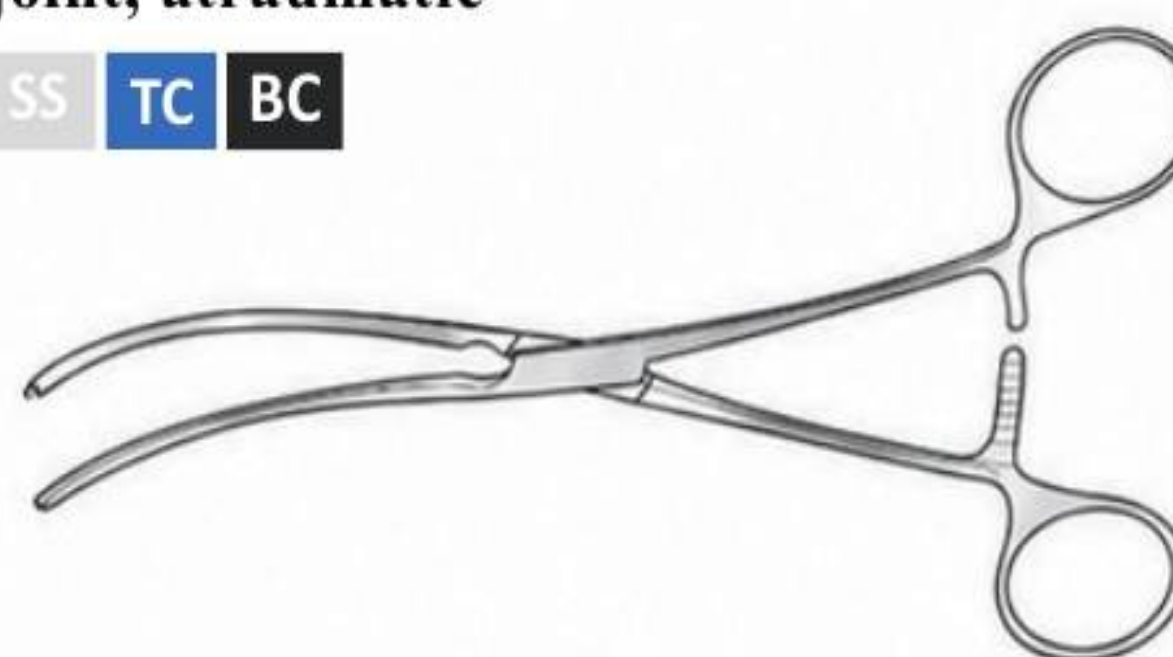
Curved

Code	Description
PTI-A0854	250mm long
PTI-A0855	270mm long
PTI-A0856	280mm long

PRIME DeBakey Clamps

Box joint, atraumatic

TIT SS TC BC



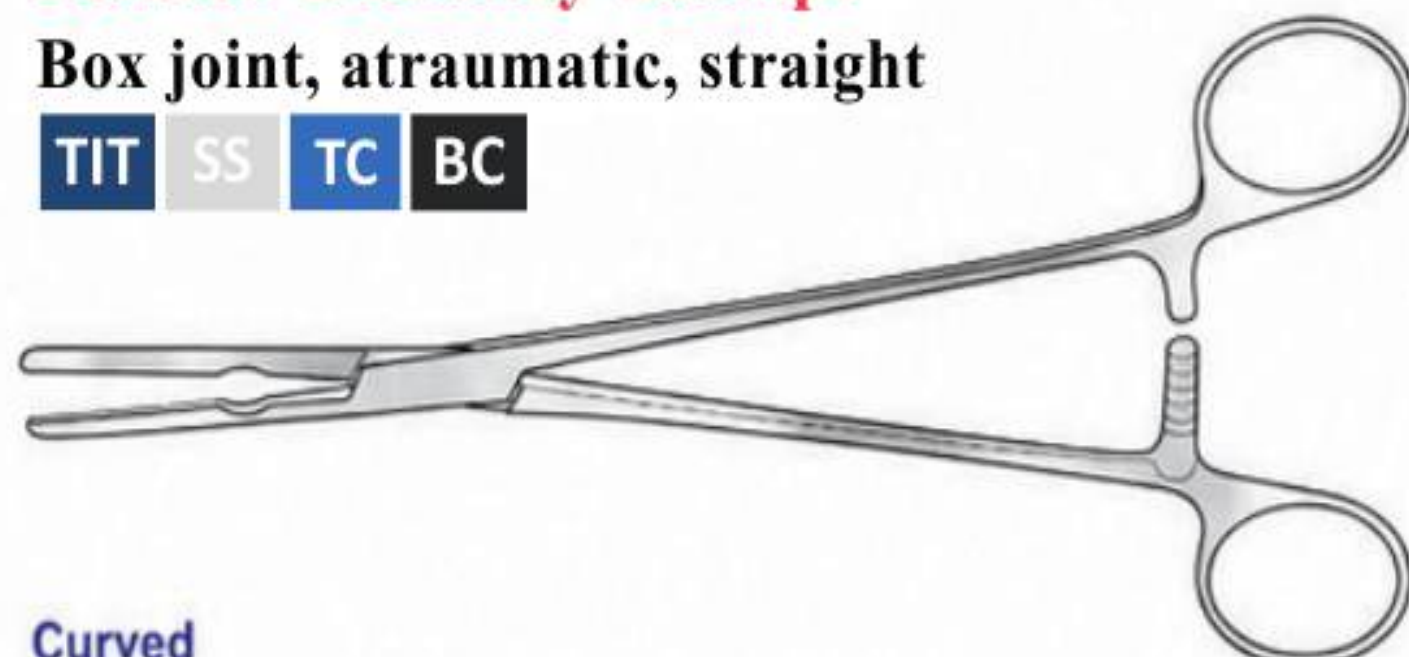
Curved

Code	Description
PTI-A0857	180mm long
PTI-A0858	203mm long

PRIME DeBakey Clamps

Box joint, atraumatic, straight

TIT SS TC BC



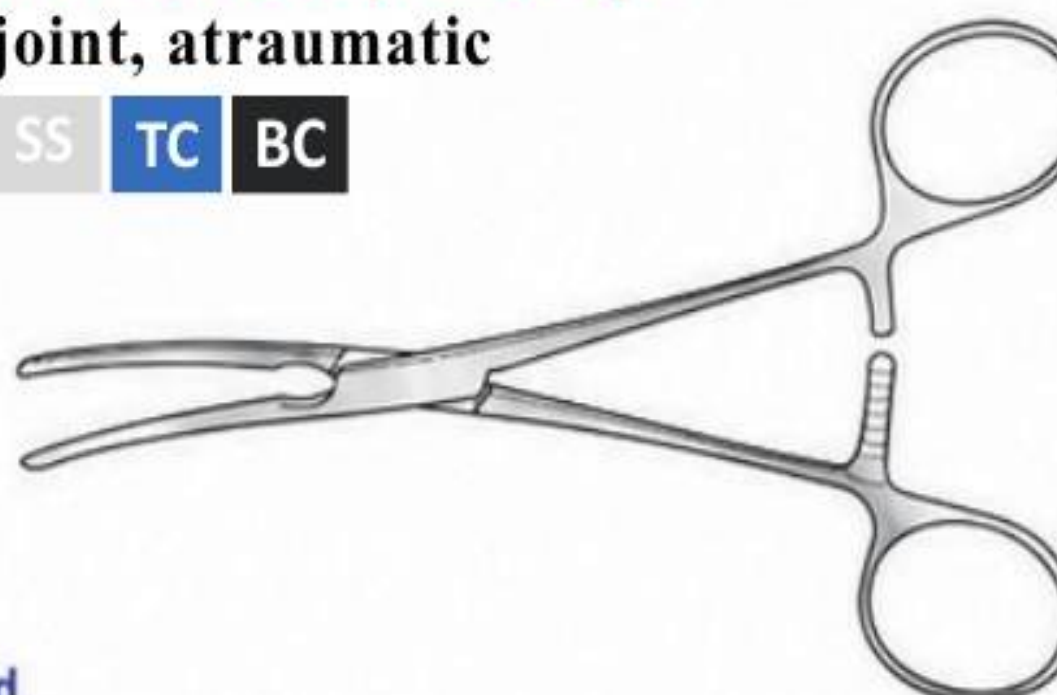
Curved

Code	Description
PTI-A0859	160mm long
PTI-A0860	165mm long
PTI-A0861	203mm long
PTI-A0862	215mm long
PTI-A0863	220mm long
PTI-A0864	230mm long
PTI-A0865	245mm long

PRIME DeBakey Clamps

Box joint, atraumatic

TIT SS TC BC



Curved

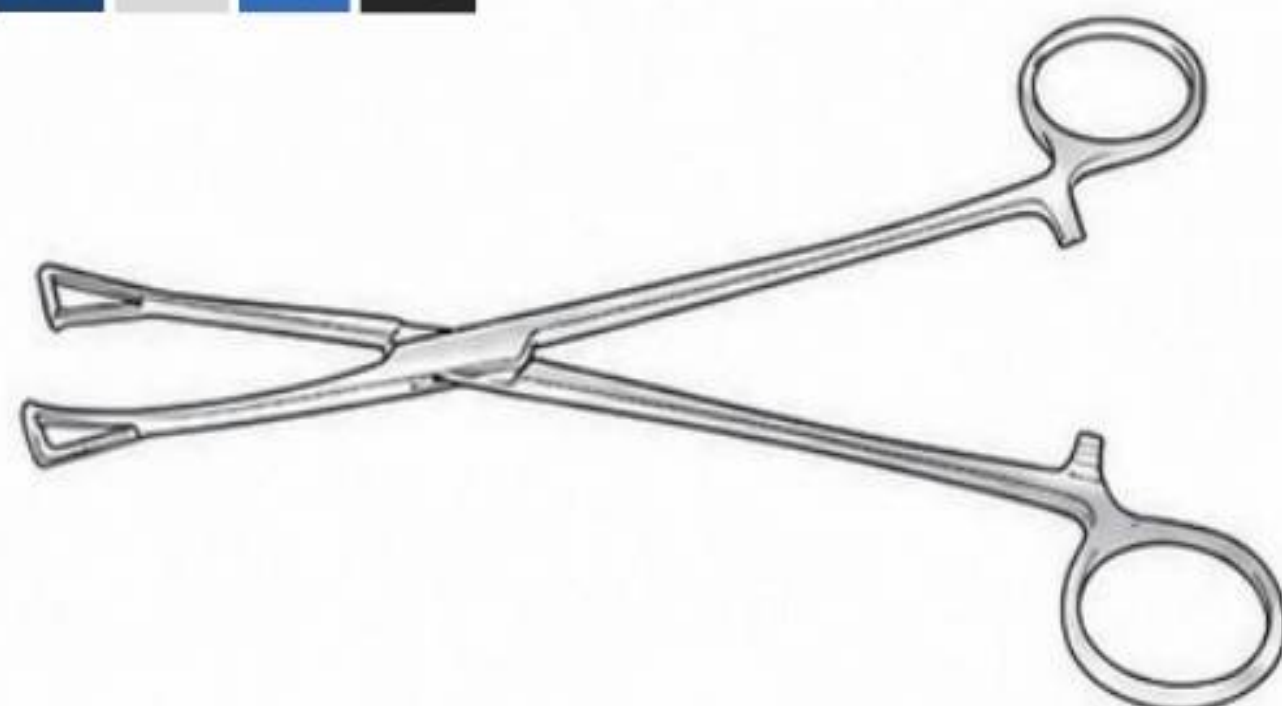
Code	Description
PTI-A0866	165mm long
PTI-A0867	190mm long
PTI-A0868	203mm long
PTI-A0869	215mm long
PTI-A0870	220mm long

PRIME CLAMPS

PRIME Duval Lung Grasping Clamps

185mm long

TIT SS TC BC



Code	Description
PTI-A0871	185mm long

PRIME Tudor Edwards Artery Clamps

Curved, serrated jaws, screw joint, satin finish

TIT SS TC BC

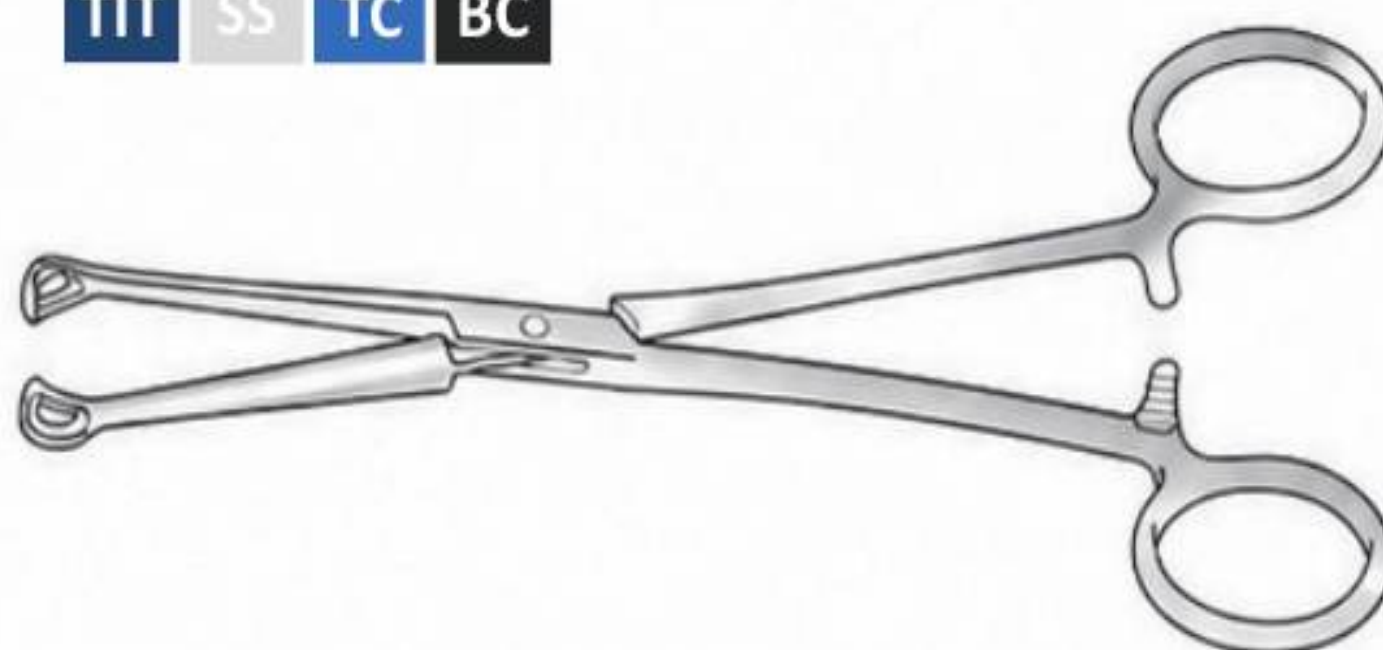


Code	Description
PTI-A0872	230mm long

PRIME Babcock Lung Grasping Clamps

245mm long

TIT SS TC BC

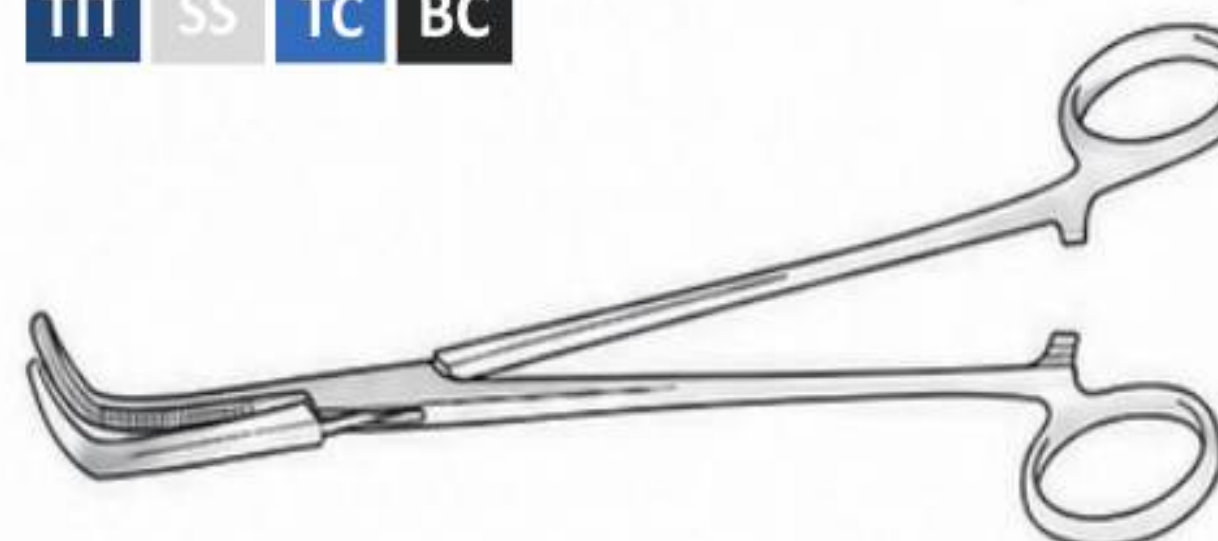


Code	Description
PTI-A0873	245mm long

PRIME O'Shaughnessy Artery Clamps

Right angled serrated jaw

TIT SS TC BC



Code	Description
PTI-A0874	150mm long
PTI-A0875	180mm long
PTI-A0876	200mm long
PTI-A0877	230mm long

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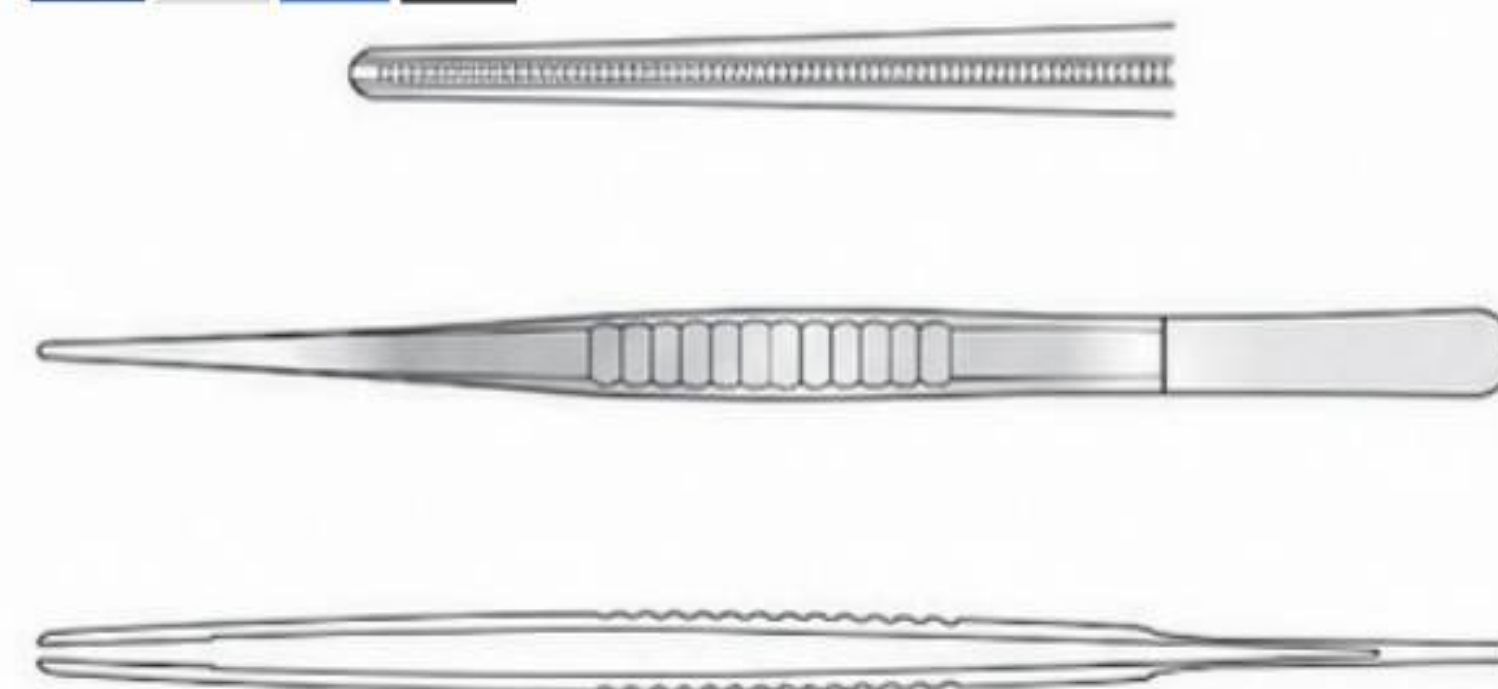


PRIME CLAMPS

PRIME DeBakey Atraumatic Dissecting Clamps

Straight, atraumatic jaws

TIT SS TC BC



1.5mm

Code	Description
PTI-A0878	150mm long
PTI-A0879	240mm long

2mm

Code	Description
PTI-A0880	150mm long
PTI-A0881	180mm long

2.5mm

Code	Description
PTI-A0882	150mm long
PTI-A0883	240mm long

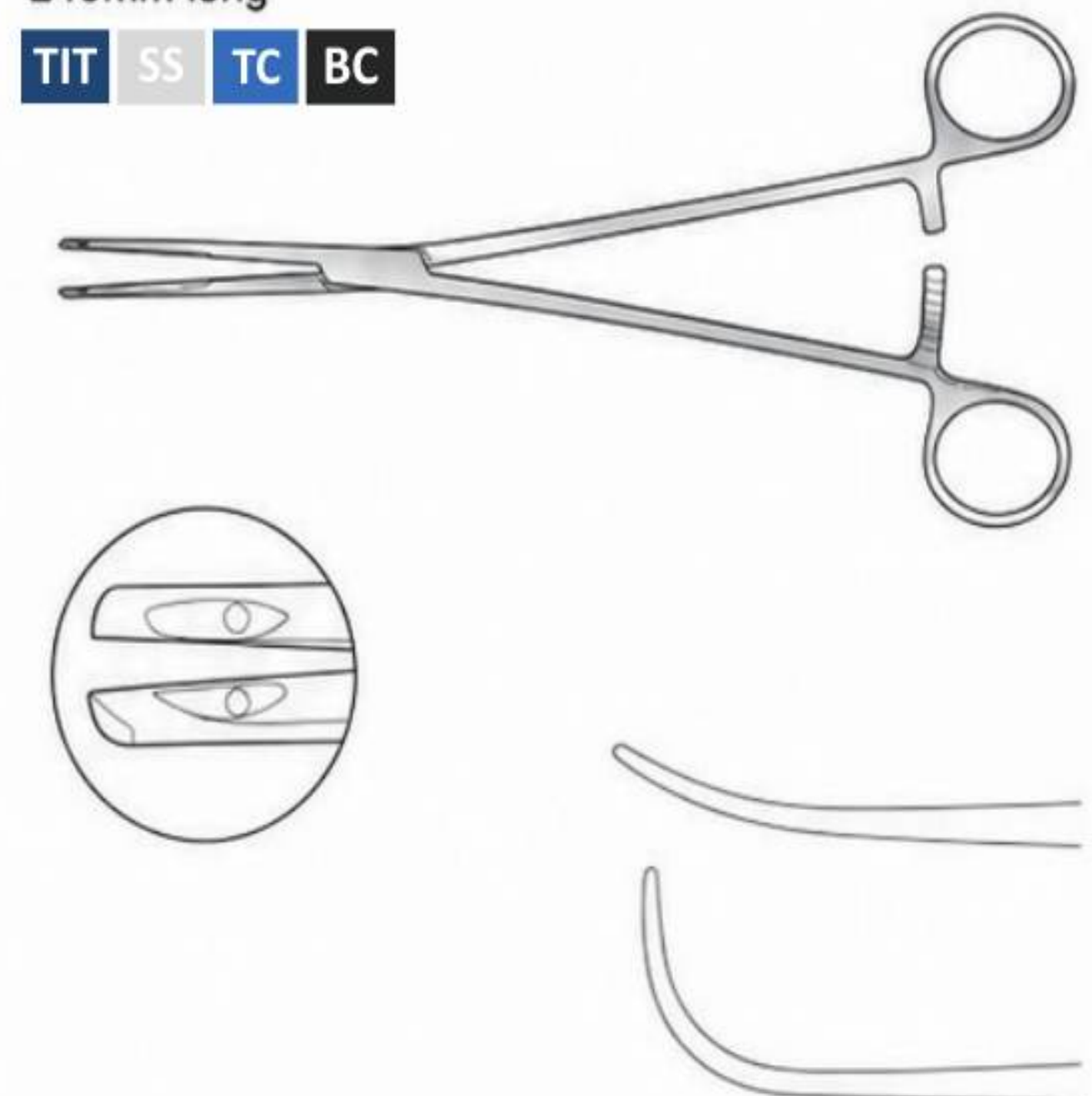
2.8mm

Code	Description
PTI-A0884	150mm long
PTI-A0885	240mm long
PTI-A0886	180mm long

PRIME SEMB Ligature Passing Clamps

240mm long

TIT SS TC BC



Code	Description
PTI-A0887	Slightly curved
PTI-A0888	Fully curved

PRIME Magill Intratracheal Catheter Clamps

Screw joint

TIT SS TC BC



Code	Description
PTI-A0889	Infant, 160mm long
PTI-A0890	Child, 190mm long
PTI-A0891	Adult, 230mm long

PRIME Lambert-Kay Clamp

Atraumatic

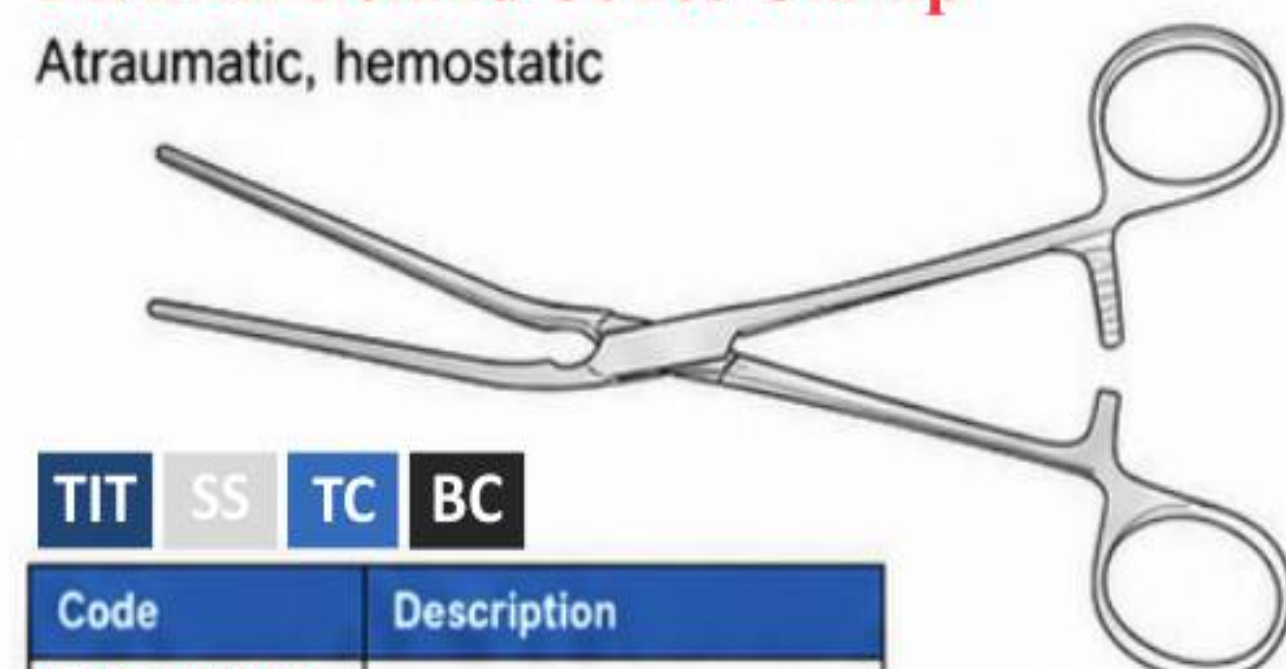


Code	Description
PTI-A0892	Curved, 220mm long
PTI-A0893	Straight, 215mm long
PTI-A0894	Straight, 200mm long

TIT SS TC BC

PRIME Leland-Jones Clamp

Atraumatic, hemostatic



TIT SS TC BC

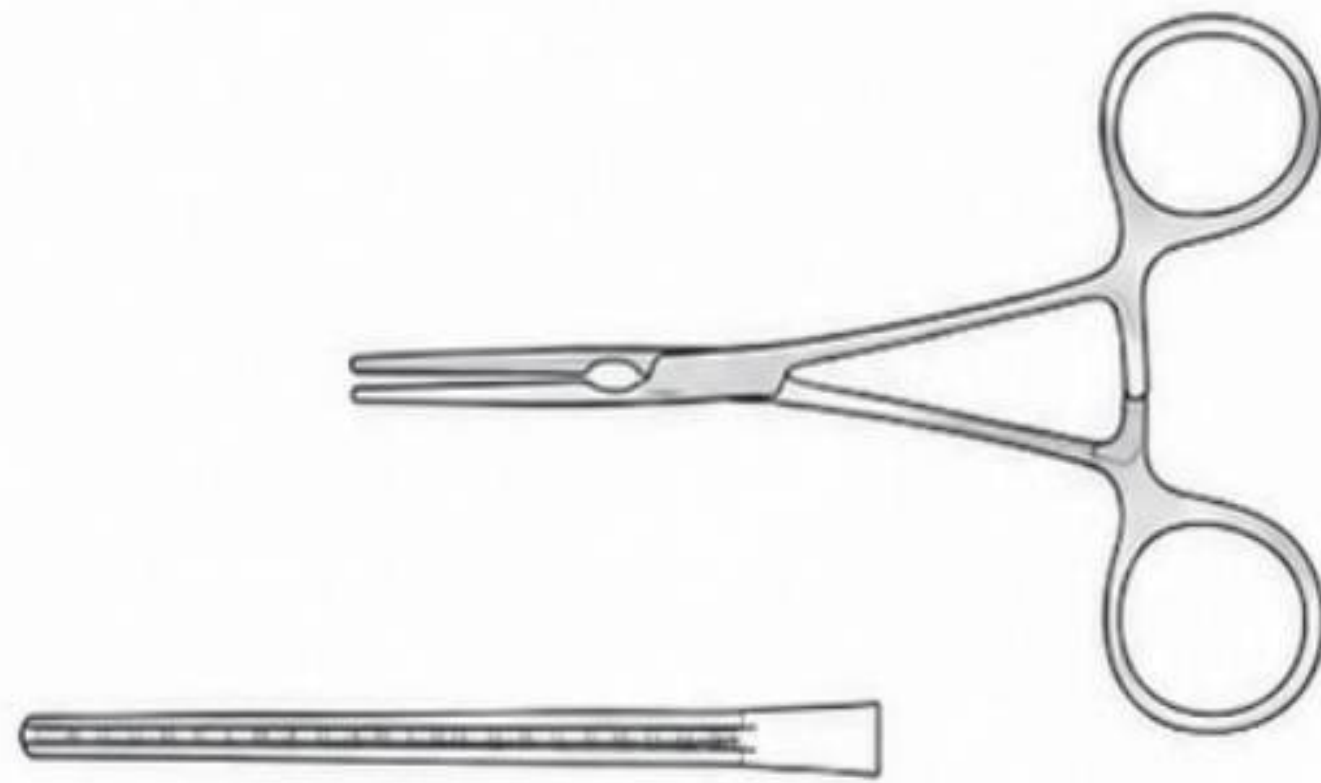
Code	Description
PTI-A0895	Curved, 190mm long
PTI-A0896	Straight, 195mm long

PRIME CLAMPS

PRIME DeBakey Clamp

Straight jaws, ring handle

TIT SS TC BC

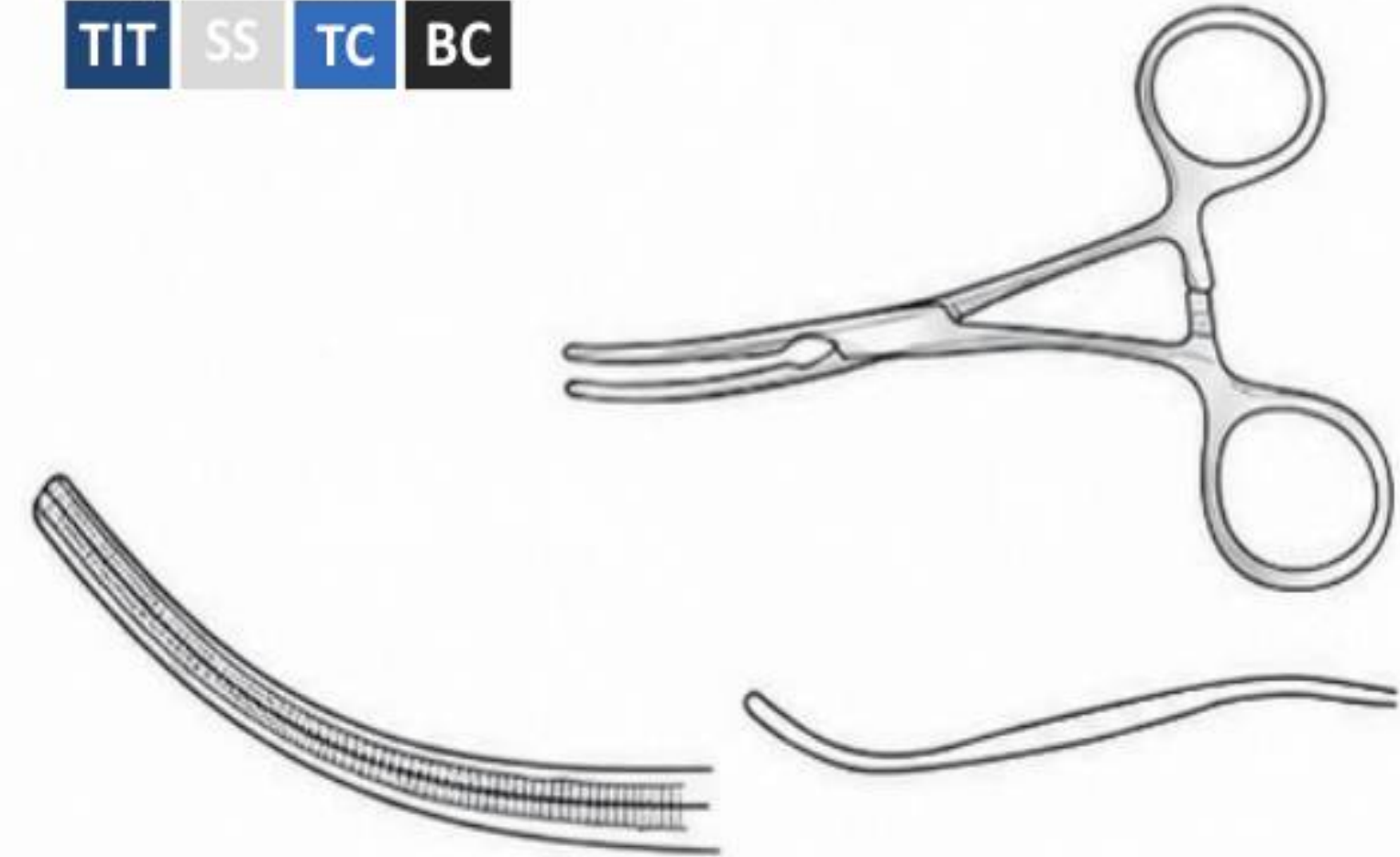


Code	Description
PTI-A0897	137mm long

PRIME DeBakey Clamp

'S' shaped curved jaws, curved shaft, ring handle

TIT SS TC BC

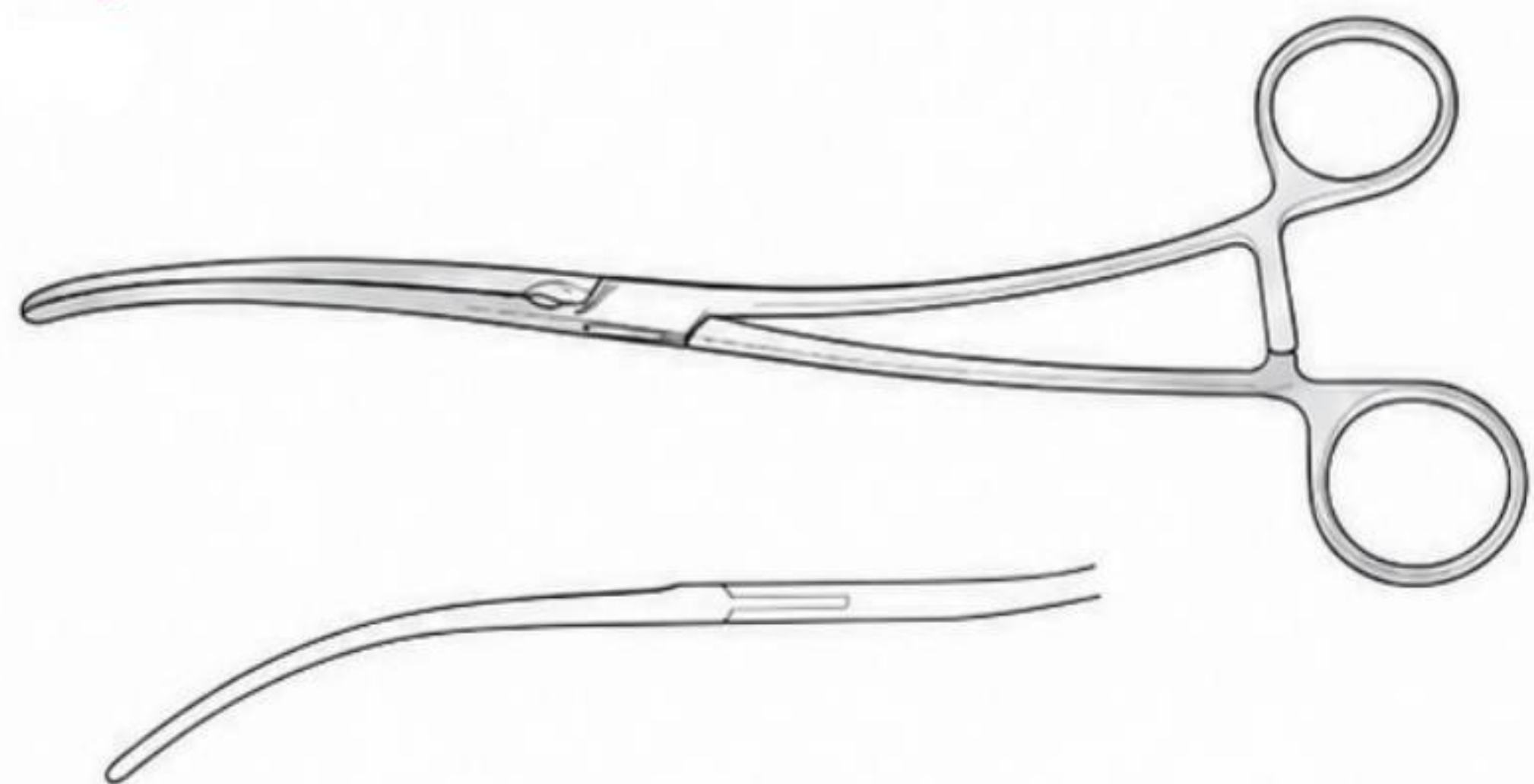


Code	Description
PTI-A0898	127mm long

PRIME DeBakey "S" Shaped Clamp

300mm long

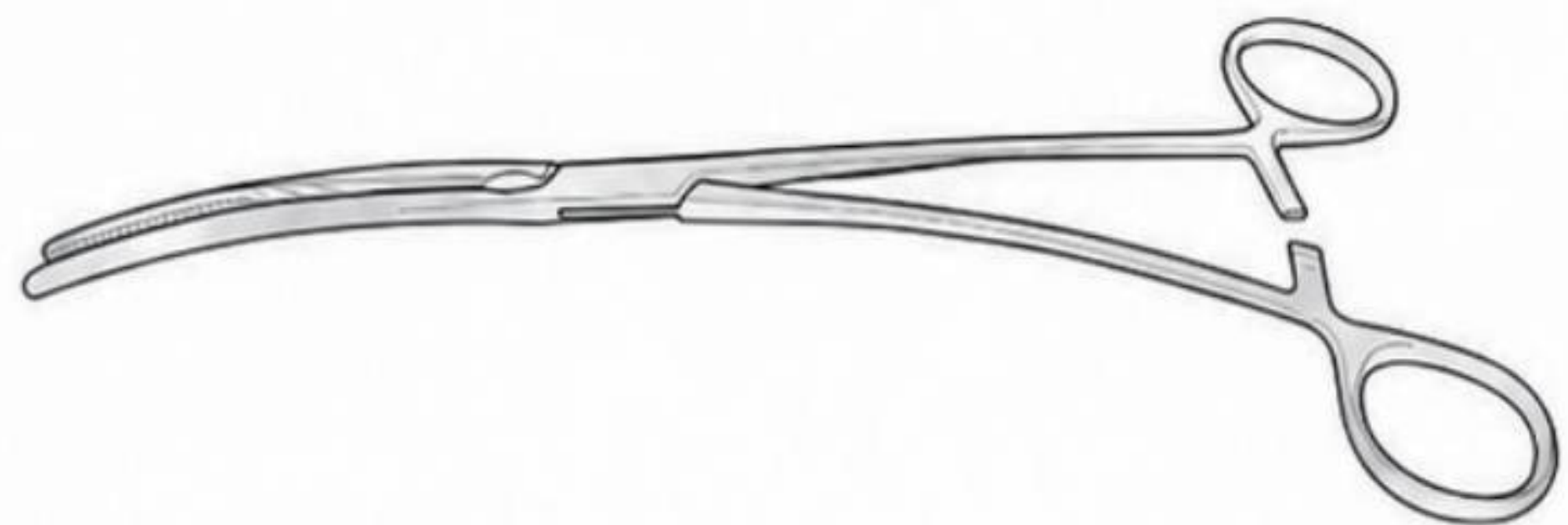
TIT SS TC BC



Code	Description
PTI-A0899	115mm jaws

PRIME DeBakey Atraumatic Clamp

TIT SS TC BC



Code	Description
PTI-A0900	110mm jaw, 300mm long.
PTI-A0901	95mm jaw, 250mm long

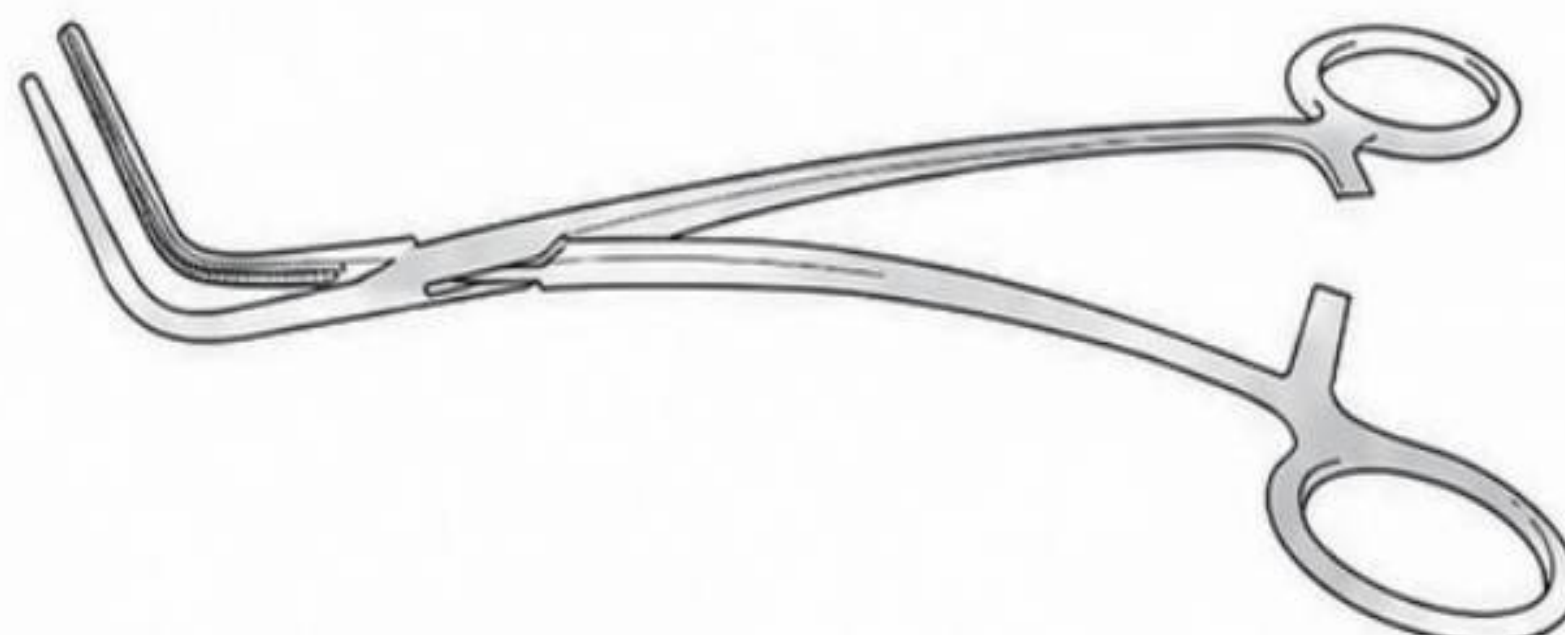
PRIME CLAMPS

PRIME DeBakey Atraumatic Clamp

Right-angled, 40mm jaw

TIT SS TC BC

Code	Description
PTI-A0902	220mm long

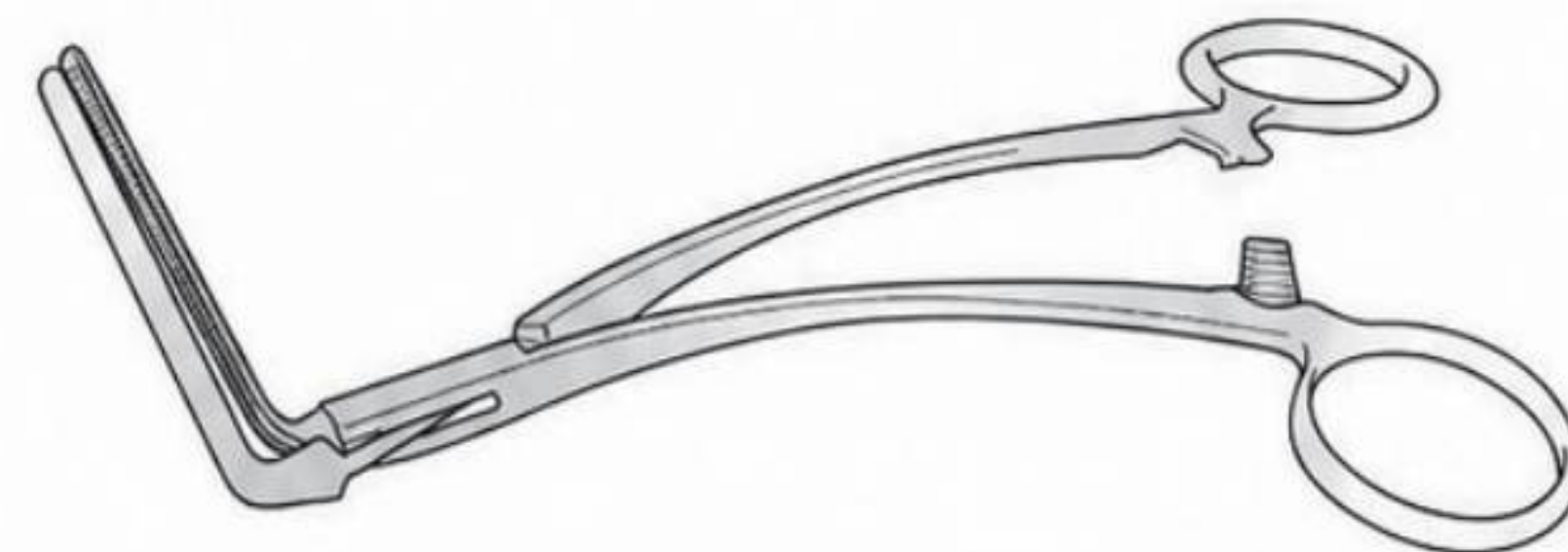


PRIME DeBakey Atraumatic Clamp

Right-angled, 50mm jaw

TIT SS TC BC

Code	Description
PTI-A0903	200mm long

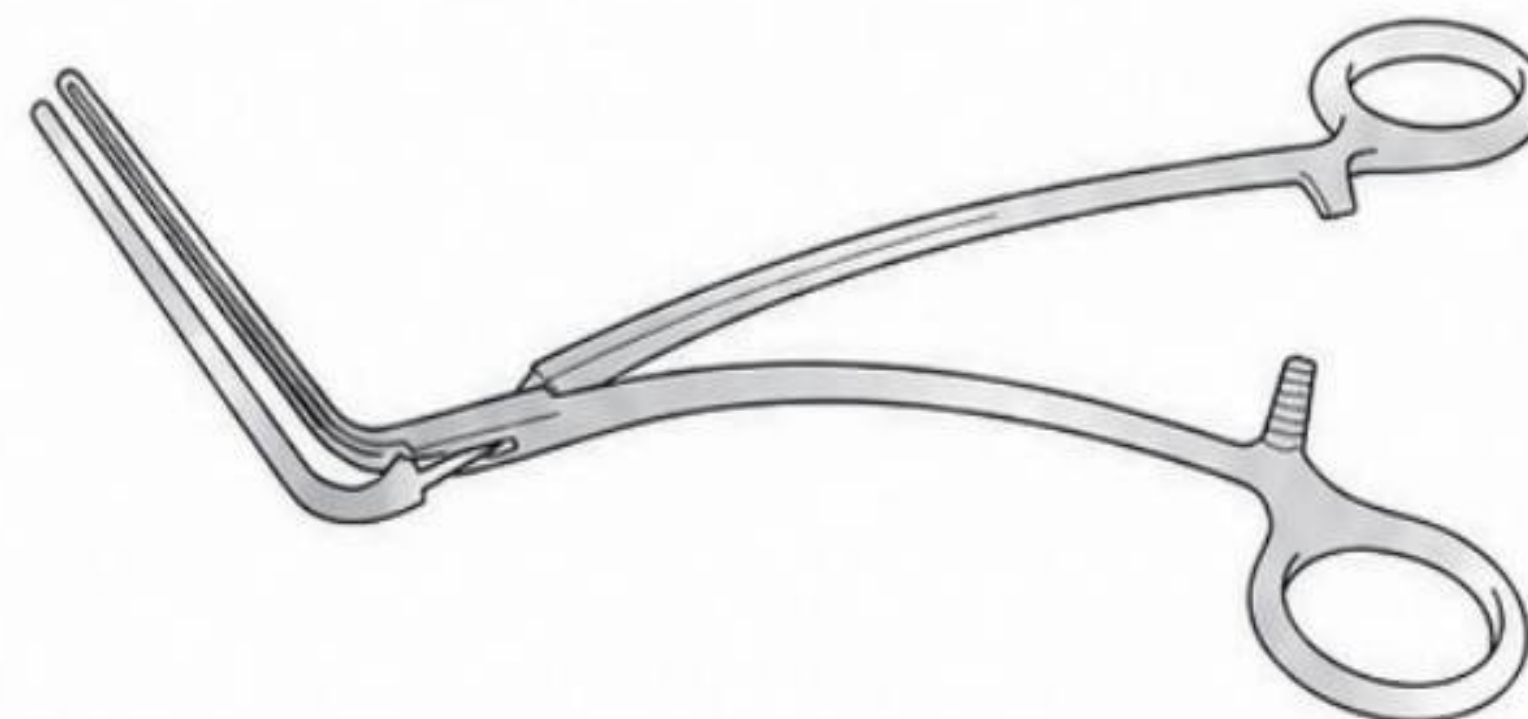


PRIME DeBakey Atraumatic Clamp

Right-angled, 65mm jaw

TIT SS TC BC

Code	Description
PTI-A0904	215mm long

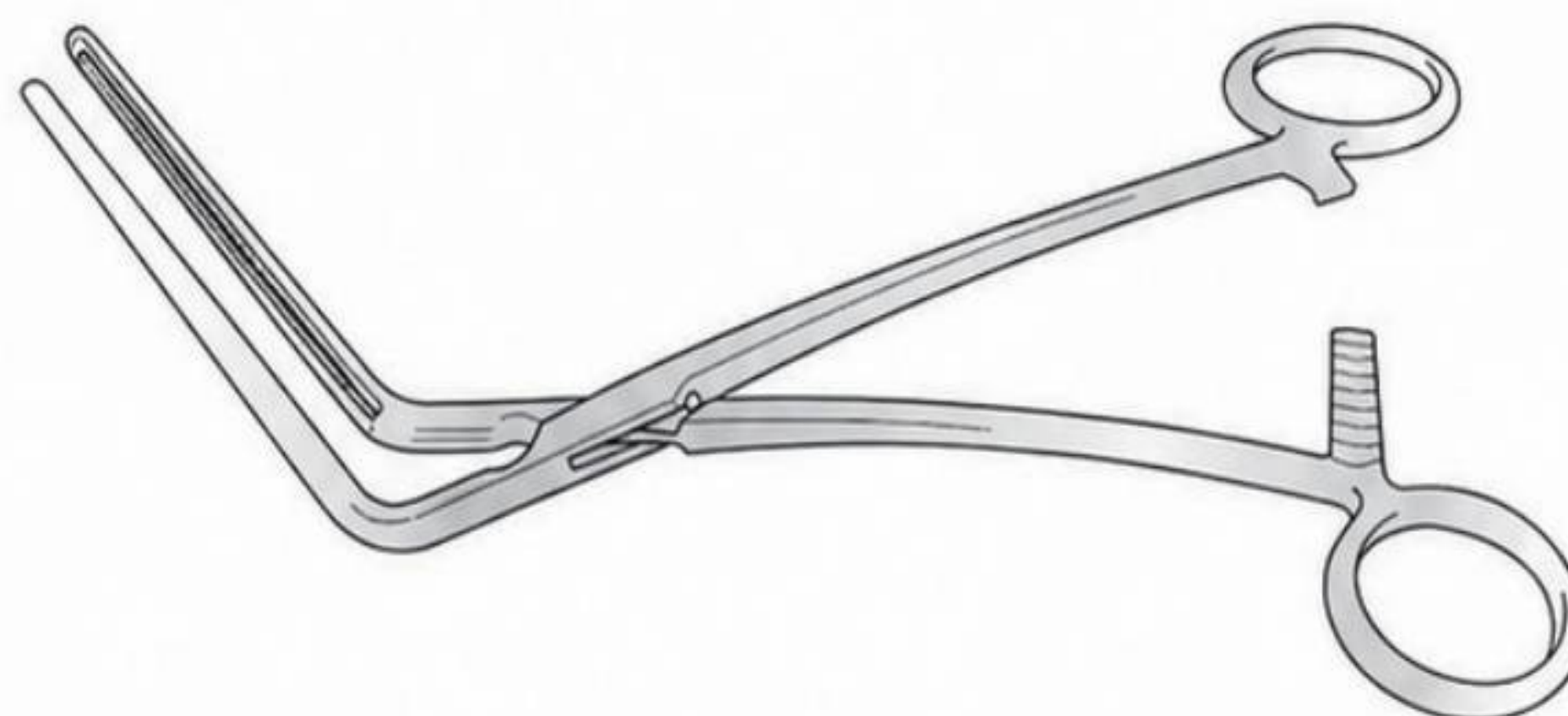


PRIME DeBakey Atraumatic Clamp

Right-angled, 100mm jaw

TIT SS TC BC

Code	Description
PTI-A0905	280mm long

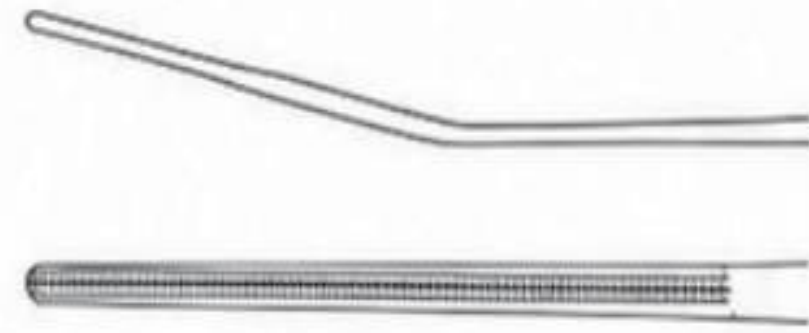


PRIME CLAMPS

PRIME DeBakey Coarctation Clamp

Angled, 225mm long

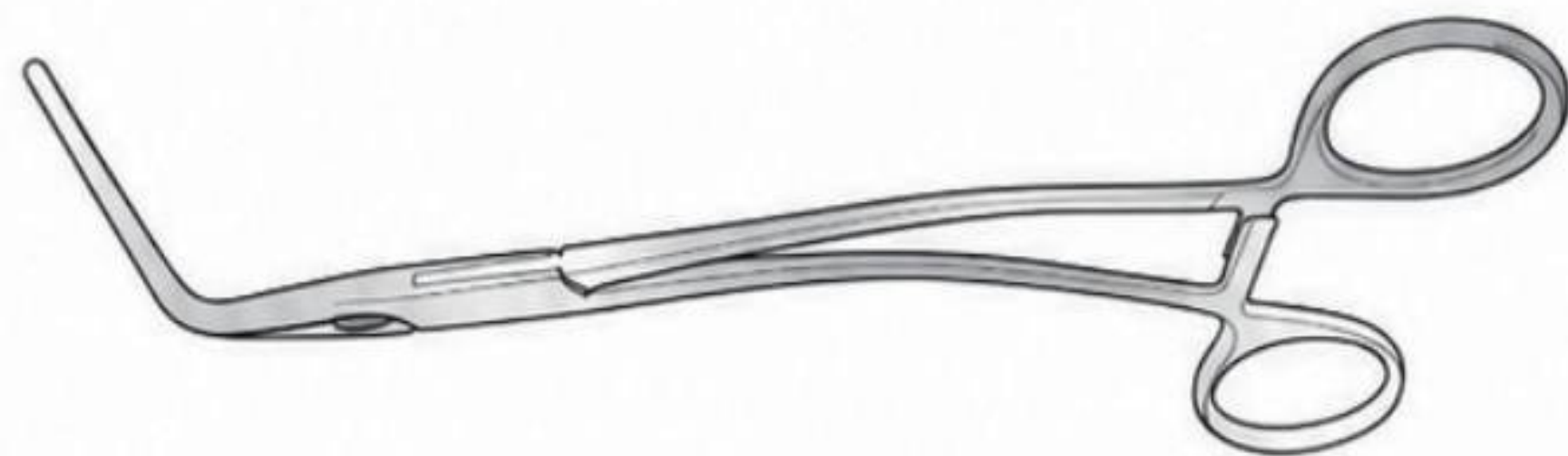
TIT SS TC BC



Code	Description
PTI-A0906	225mm long

PRIME DeBakey Multipurpose Clamp

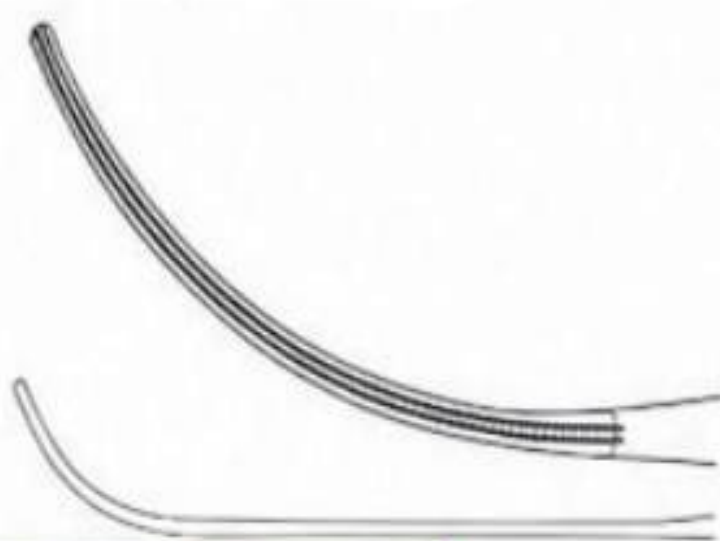
TIT SS TC BC



Code	Description
PTI-A0907	85mm jaw, 230mm long
PTI-A0908	100mm jaw, 280mm long

PRIME DeBakey Multipurpose Clamp

Obtuse angled 60°, 280mm long



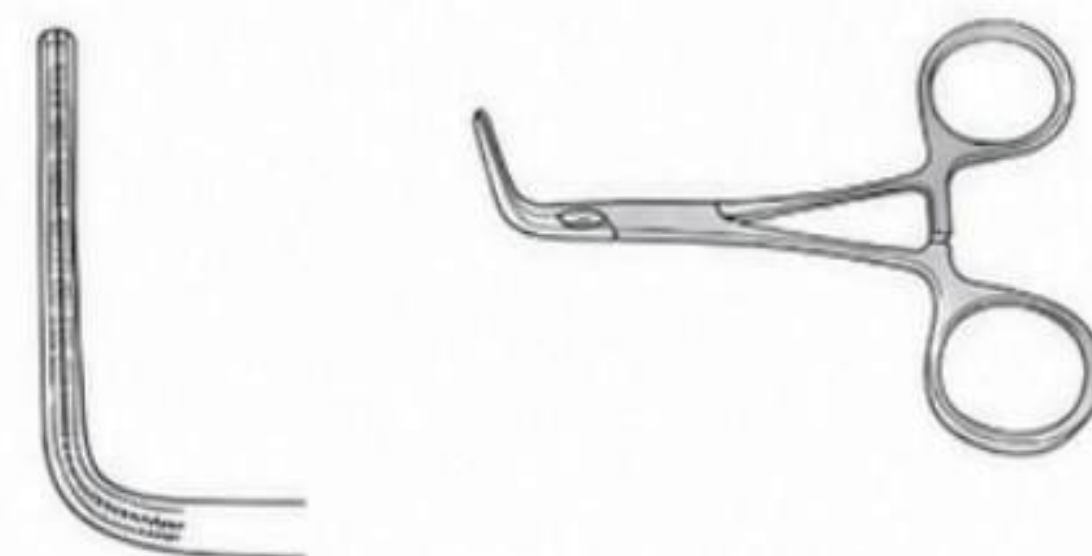
Code	Description	TIT	SS	TC	BC
PTI-A0909	280mm long				

PRIME DeBakey 45° Paediatric Clamp



Code	Description	TIT	SS	TC	BC
PTI-A0910	130mm long				

PRIME DeBakey 90° Paediatric Clamp



Code	Description	TIT	SS	TC	BC
PTI-A0911	105mm long				

PRIME BULLDOG CLAMPS

PRIME Dieffenbach Bulldog Clamp

TIT SS TC BC



Straight, serrated

Code	Description
PTI-A0912	1.2mm fine jaw, 40mm long
PTI-A0913	1.2mm fine jaw, 45mm long
PTI-A0914	1.8mm jaw, 30mm long
PTI-A0915	1.8mm jaw, 35mm long
PTI-A0916	2.5mm jaw, 40mm long
PTI-A0917	2.5mm jaw, 45mm long
PTI-A0918	6mm heavy jaw, 60mm long
PTI-A0919	20mm jaw, 75mm long
PTI-A0920	30mm jaw, 85mm long
PTI-A0921	45mm jaw, 105mm long
PTI-A0922	65mm jaw, 120mm long

Straight, plain

Code	Description
PTI-A0923	1.2mm fine jaw, 40mm long
PTI-A0924	1.2mm fine jaw, 45mm long
PTI-A0925	1.8mm jaw, 30mm long
PTI-A0926	1.8mm jaw, 35mm long
PTI-A0927	2.5mm jaw, 40mm long
PTI-A0928	2.5mm jaw, 45mm long

Curved, serrated

Code	Description
PTI-A0929	1.2mm fine jaw, 40mm long
PTI-A0930	1.2mm fine jaw, 45mm long
PTI-A0931	1.8mm jaw, 30mm long
PTI-A0932	1.8mm jaw, 35mm long
PTI-A0933	2.5mm jaw, 40mm long
PTI-A0934	2.5mm jaw, 45mm long
PTI-A0935	6mm heavy jaw, 60mm long
PTI-A0936	20mm jaw, 75mm long
PTI-A0937	30mm jaw, 85mm long
PTI-A0938	45mm jaw, 105mm long
PTI-A0939	65mm jaw, 120mm long

Curved, plain

Code	Description
PTI-A0940	1.2mm fine jaw, 40mm long
PTI-A0941	1.2mm fine jaw, 45mm long
PTI-A0942	1.8mm jaw, 30mm long
PTI-A0943	1.8mm jaw, 35mm long
PTI-A0944	2.5mm jaw, 40mm long
PTI-A0945	2.5mm jaw, 45mm long

PRIME Blalock Bulldog Clamp

TIT SS TC BC



Serrated, with hole in handle

Straight

Code	Description
PTI-A0946	11mm jaw, 38mm long
PTI-A0947	14mm jaw, 48mm long
PTI-A0948	17mm jaw, 60mm long
PTI-A0949	27mm jaw, 70mm long

Curved

Code	Description
PTI-A0950	11mm jaw, 38mm long
PTI-A0951	14mm jaw, 48mm long
PTI-A0952	17mm jaw, 60mm long
PTI-A0953	27mm jaw, 70mm long

Plain, with hole in handle

Straight

Code	Description
PTI-A0955	11mm jaw, 38mm long
PTI-A0956	14mm jaw, 48mm long
PTI-A0957	17mm jaw, 60mm long
PTI-A0958	27mm jaw, 70mm long

Curved

Code	Description
PTI-A0959	11mm jaw, 38mm long
PTI-A0960	14mm jaw, 48mm long
PTI-A0961	17mm jaw, 60mm long
PTI-A0962	27mm jaw, 70mm long

PRIME Diethrich Bulldog Clamp

Angled 12mm jaw

TIT SS TC BC



Code	Description
PTI-A0954	44mm long

PRIME SCISSORS

PRIME Potts Scissors

Satin finish, 190mm long

TIT SS TC BC

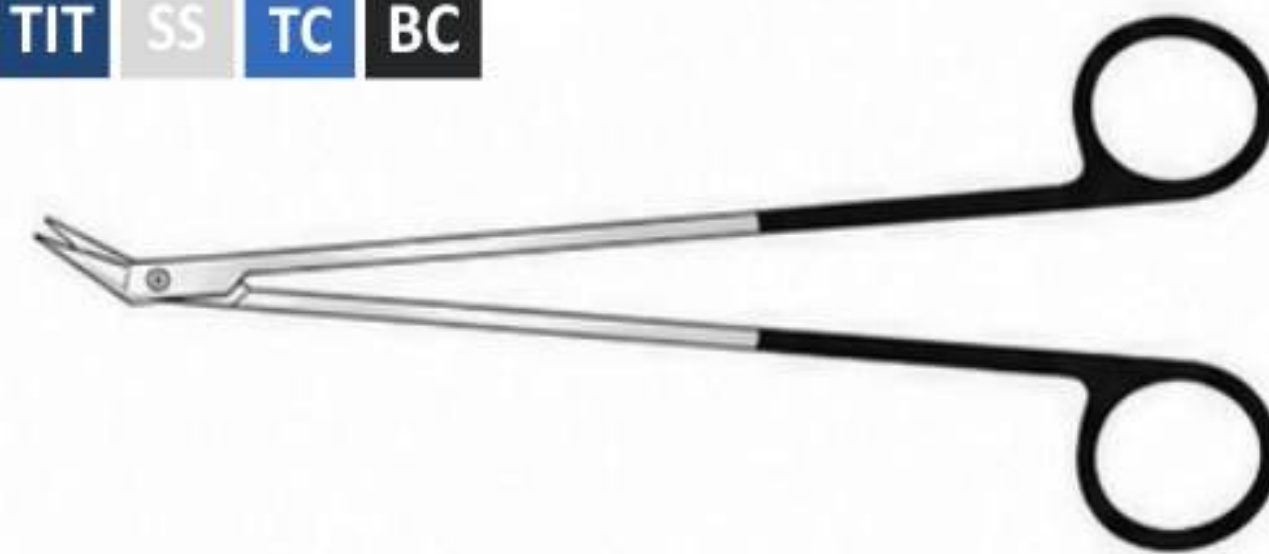


Code	Description
PTI-A0963	Angled on flat 45°
PTI-A0964	Angled to side 45°
PTI-A0965	Acute angle to side

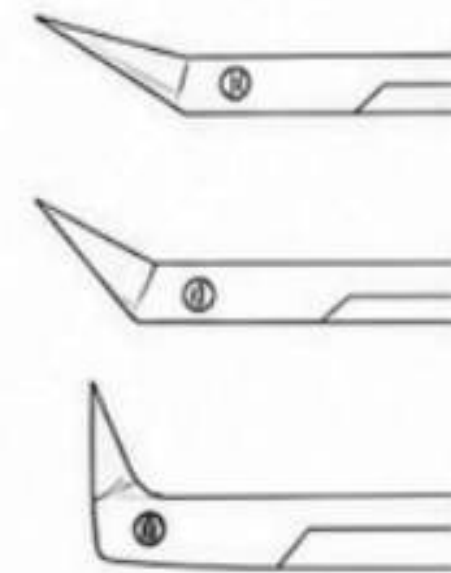
PRIME Potts Diethrich Scissors

Supercut, 190mm long

TIT SS TC BC



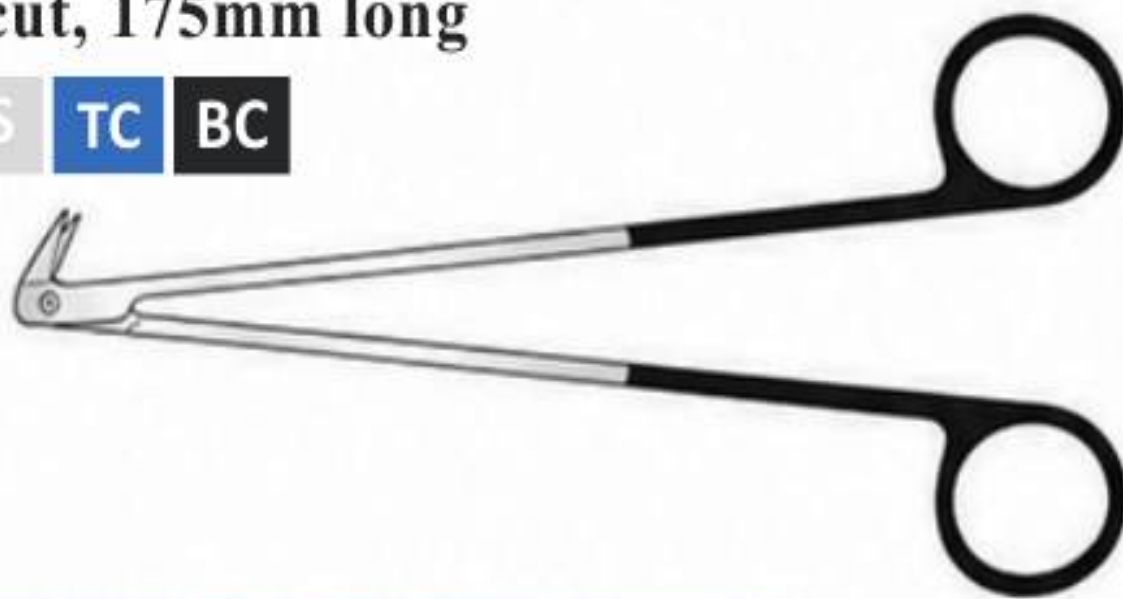
Code	Description
PTI-A0966	25° angled on side
PTI-A0967	45° angled on side
PTI-A0968	90° angled on side



PRIME Diethrich Circumflex Artery Scissors

Supercut, 175mm long

TIT SS TC BC

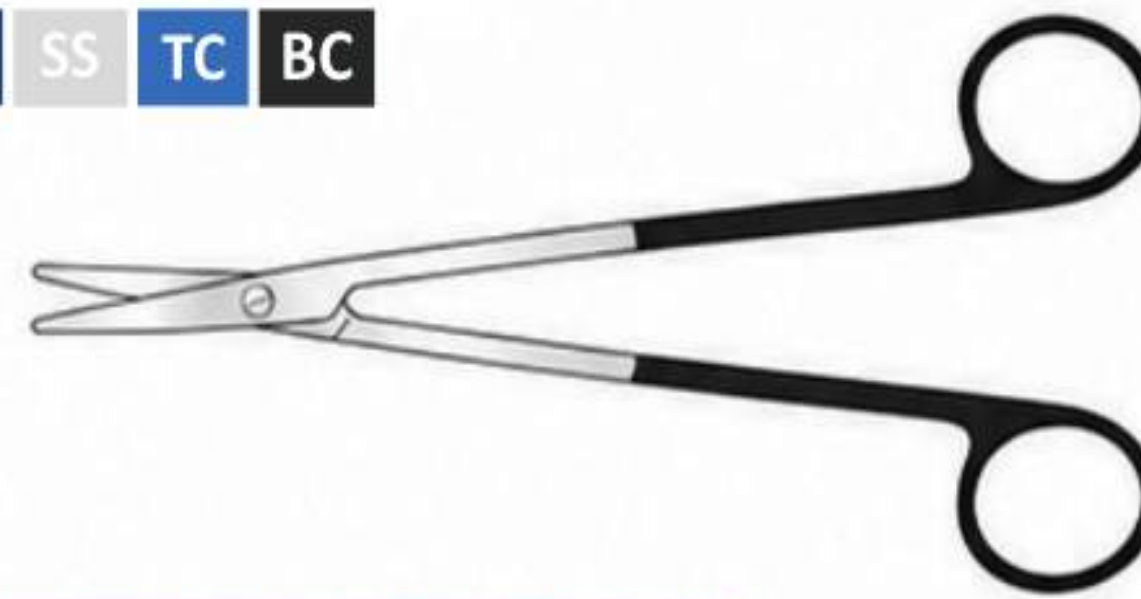


Code	Description
PTI-A0969	125° angled on side

PRIME Boyd Scissor

Supercut, slight curve

TIT SS TC BC



Code	Description
PTI-A0970	180mm long

PRIME Lobectomy Scissors

Curved on flat

TIT SS TC BC

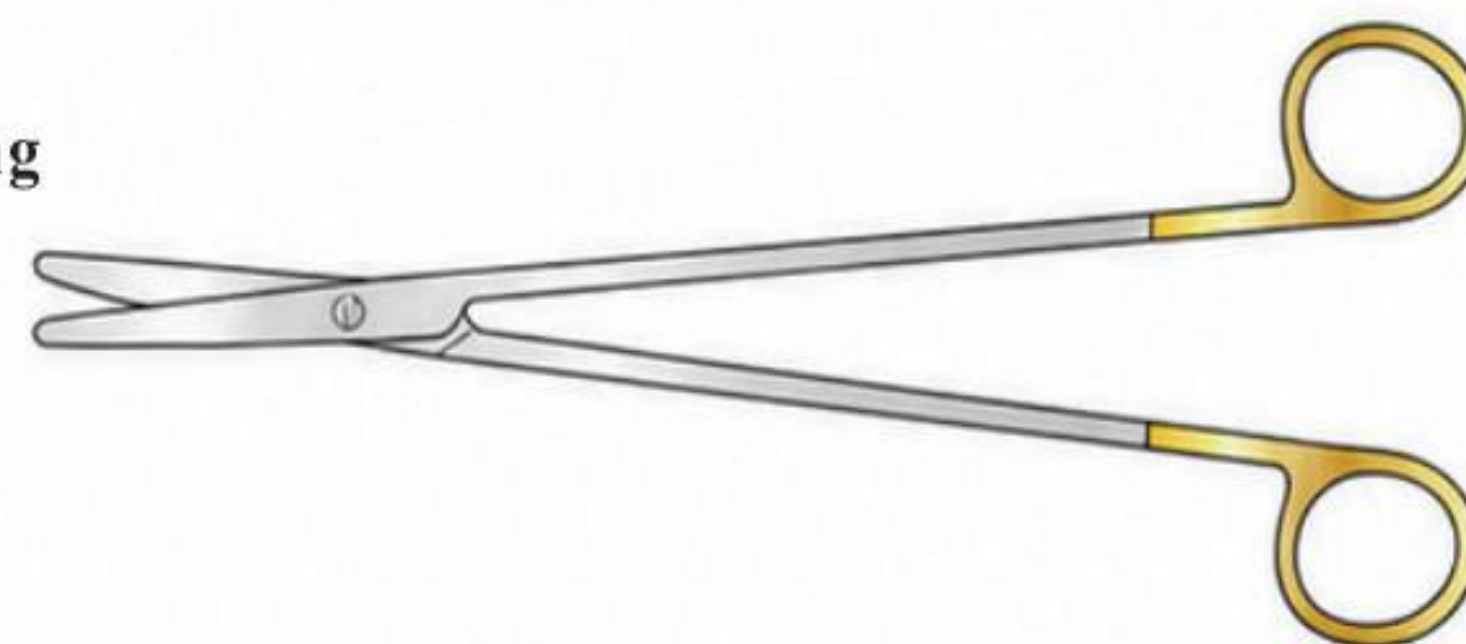


Code	Description
PTI-A0971	305 mm long

PRIME Nelson Lobectomy Scissor

Tungsten carbide, curved on flat, 230mm long

TIT SS TC BC



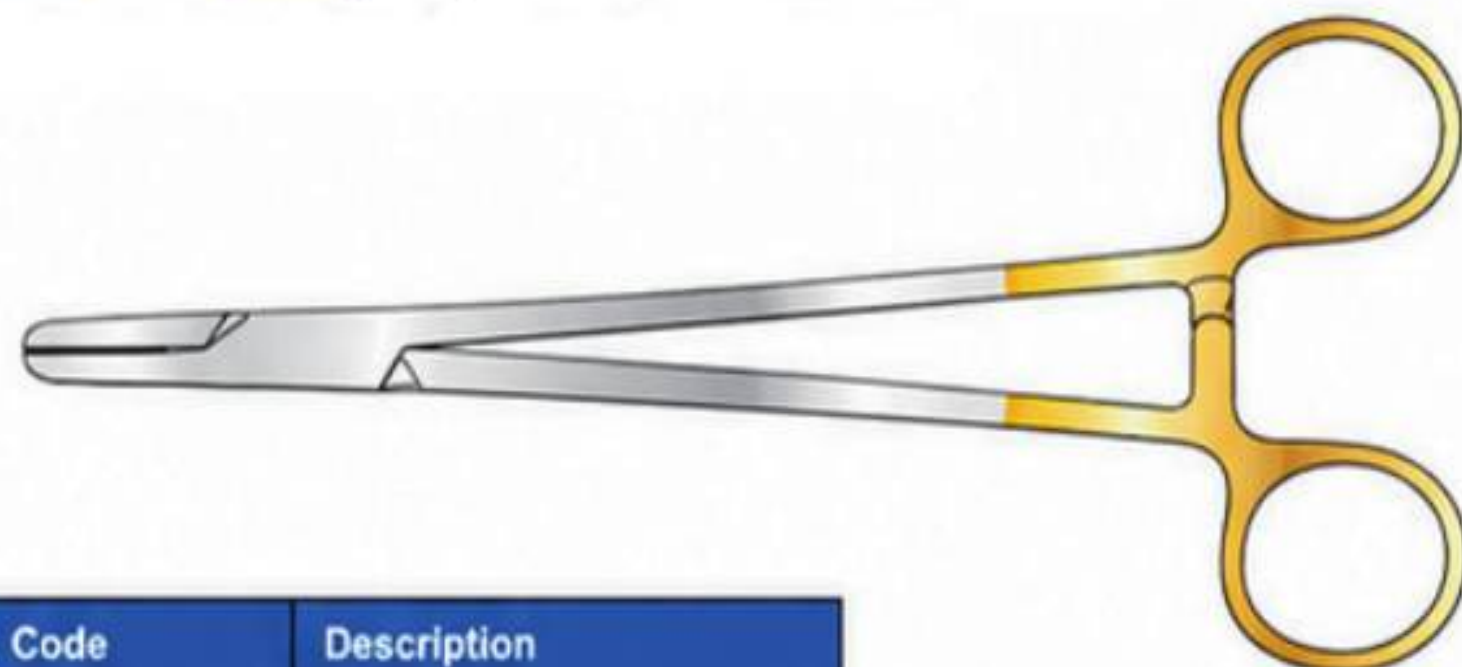
Code	Description
PTI-A0972	230 mm long

PRIME NEEDLE HOLDERS

PRIME Needle Holder and Wire Twister

For sternum wire, left-handed, 300mm long.

TIT SS TC BC

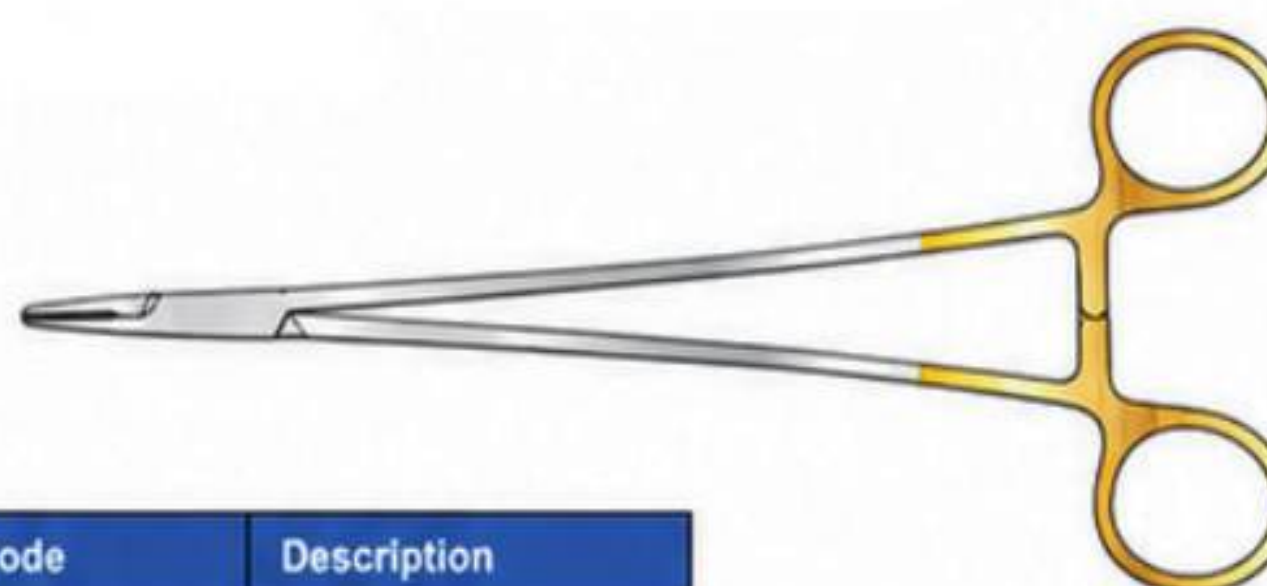


Code	Description
PTI-A0973	Left-handed, 300mm long

PRIME Julian Needle Holder

Light, delicate model, with tungsten carbide jaws, 220mm long.

TIT SS TC BC

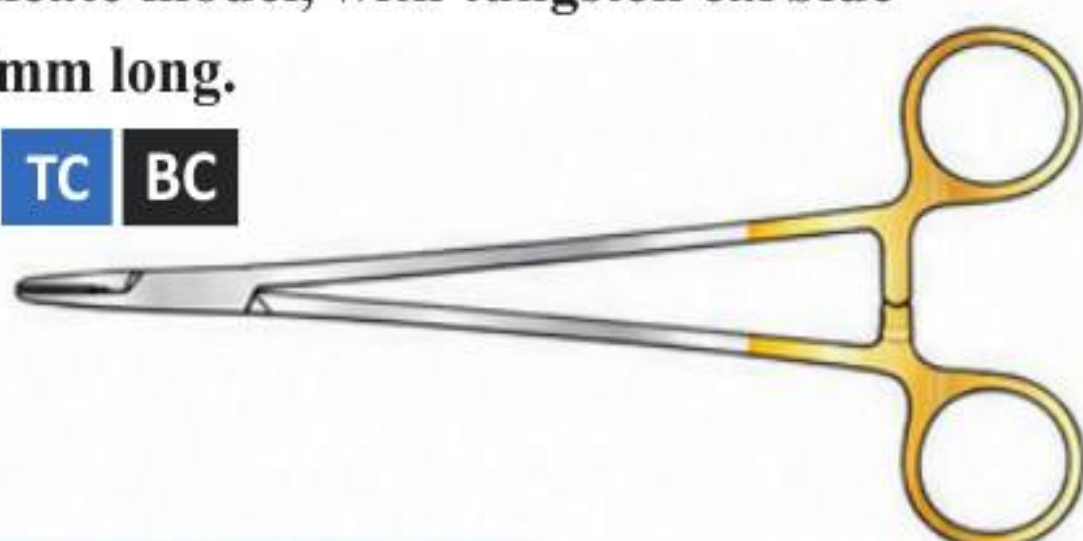


Code	Description
PTI-A0974	Standard
PTI-A0975	Left-handed

PRIME Rochester Needle Holder

Light, delicate model, with tungsten carbide jaws, 190mm long.

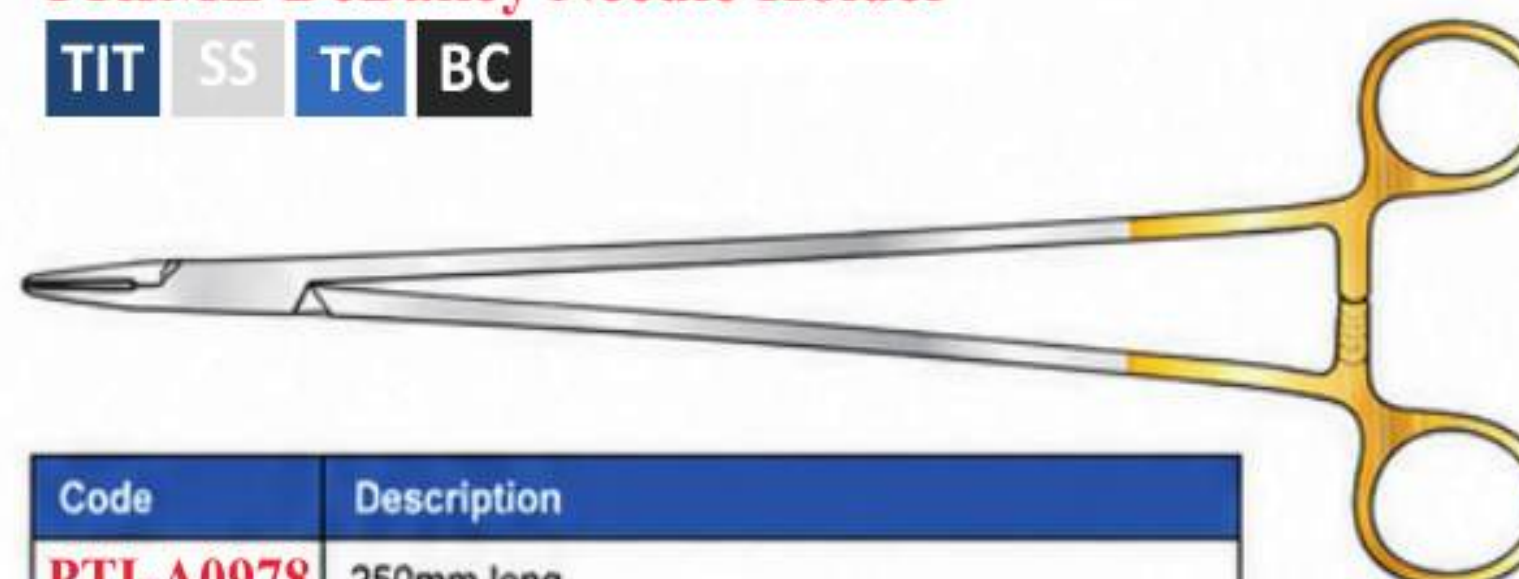
TIT SS TC BC



Code	Description
PTI-A0976	Standard
PTI-A0977	Left-handed

PRIME DeBakey Needle Holder

TIT SS TC BC

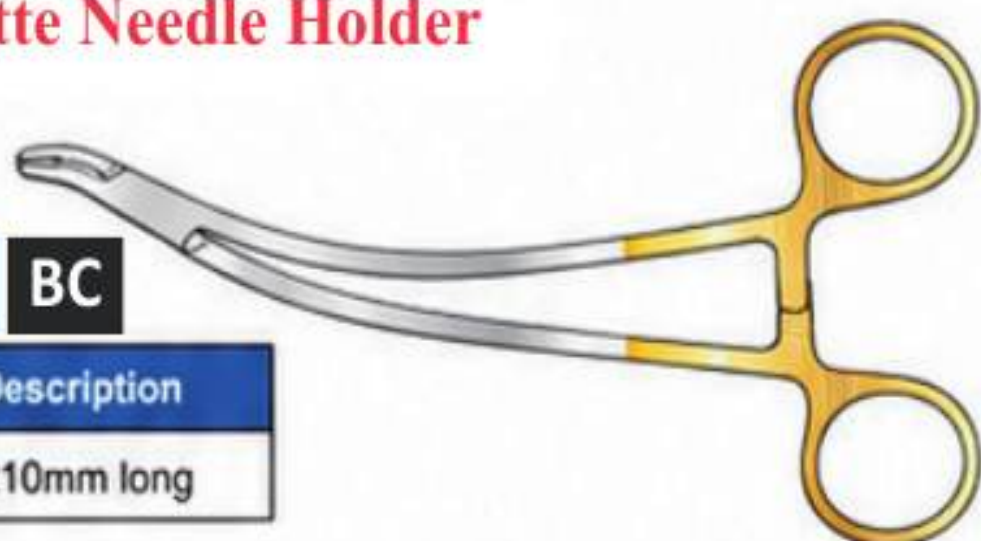


Code	Description
PTI-A0978	250mm long
PTI-A0979	165mm very delicate
PTI-A0980	180mm tungsten carbide
PTI-A0981	260mm long straight with tungsten carbide inserts
PTI-A0982	240mm long
PTI-A0983	Tungsten carbide delicate 230mm long
PTI-A0984	Tungsten carbide delicate 250mm long
PTI-A0985	Tungsten carbide delicate 305mm long

PRIME Stratte Needle Holder

210mm long.

TIT SS TC BC



Code	Description
PTI-A0986	210mm long

PRIME Castroviejo Needle Holder

TIT SS TC BC

Code	Description
PTI-A0987	140mm long, with catch
PTI-A0988	140mm long, without catch

Diamond dust jaws

Code	Description
PTI-A0989	180mm long, without catch
PTI-A0990	200mm long, without catch
PTI-A0991	215mm long, without catch

Tungsten carbide jaws

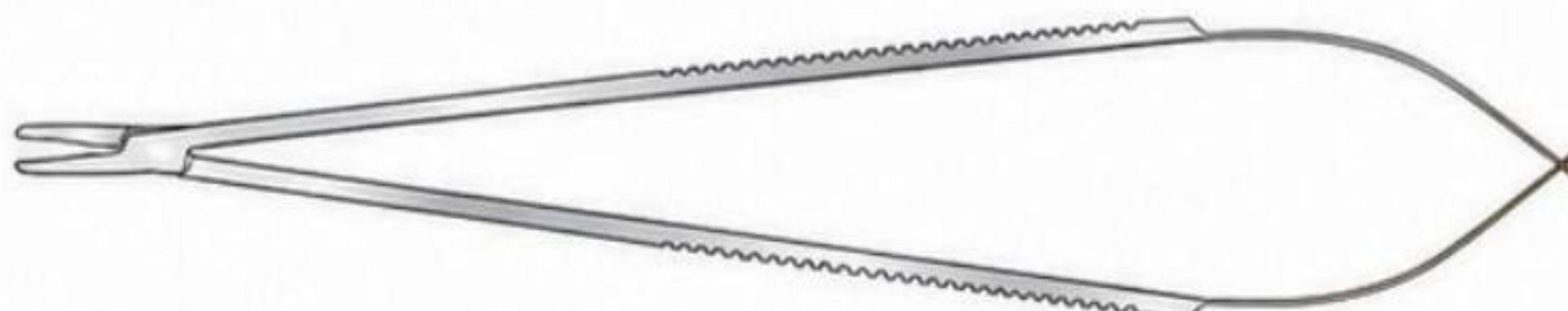
Code	Description
PTI-A0992	180mm long
PTI-A0993	200mm long
PTI-A0994	215mm long



ALSO AVAILABLE WITH CATCH - ADD SUFFIX CTH TO CODE



ALSO AVAILABLE WITH CATCH - ADD SUFFIX CTH TO CODE



PRIME RETRACTORS

PRIME Blanco Valve Leaflet Retractor

280mm long



Code	Description
PTI-A0995	280mm long

TIT SS TC BC

PRIME Harrington Splanchnic Retractor

Small size, end of blade
38mm wide x 127mm deep
satin finish handle



Code	Description
PTI-A0996	320mm long

TIT SS TC BC

PRIME Brocks Erecton Spinal Back End Retractor

215mm long



Code	Description
PTI-A0997	13 x 28mm

PRIME Cleland Valve Leaflet Retractor

250mm long

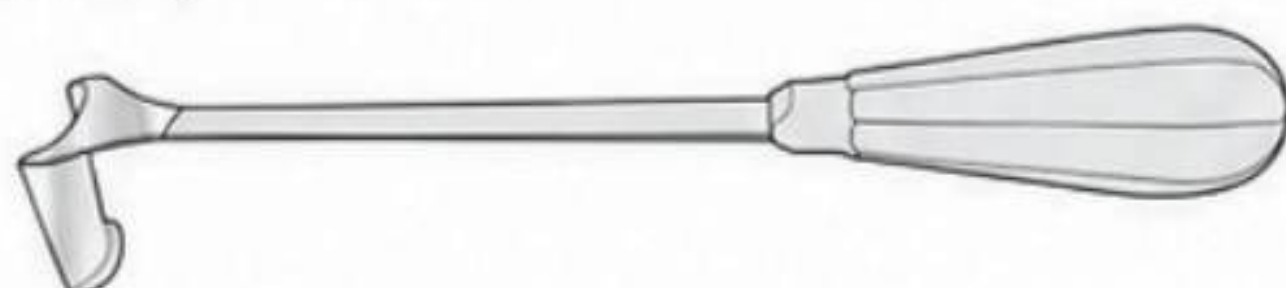


Code	Description
PTI-A0998	250mm long

TIT SS TC BC

PRIME Ross Retractor

250mm long



Code	Description
PTI-A0999	16mm x 15mm blade
PTI-A1000	23mm x 13mm blade
PTI-A1001	24mm x 16mm blade

Code	Description
PTI-A1002	27mm x 13mm blade
PTI-A1003	27mm x 27mm blade
PTI-A1004	25mm x 38mm blade

PRIME Tudor Edwards Retractor

25mm Wide

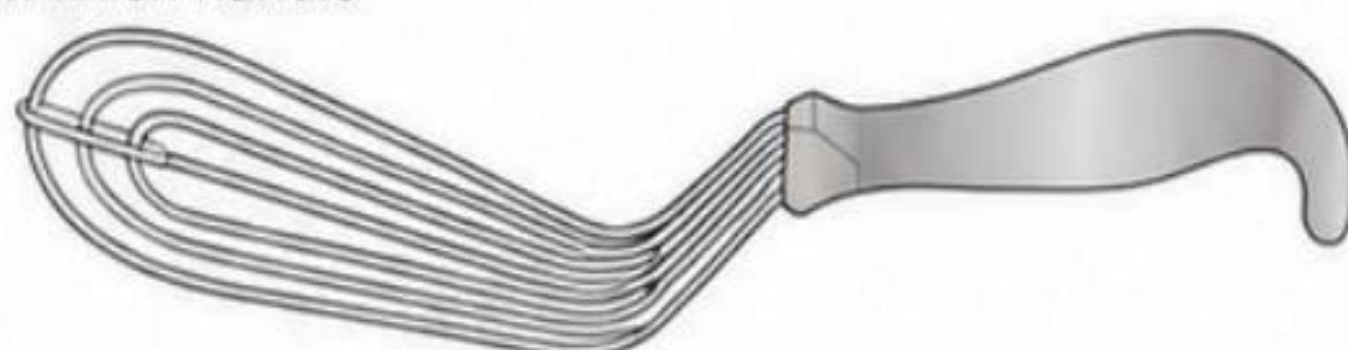


Code	Description
PTI-A1005	205mm long

TIT SS TC BC

PRIME Allison Lung Retractor

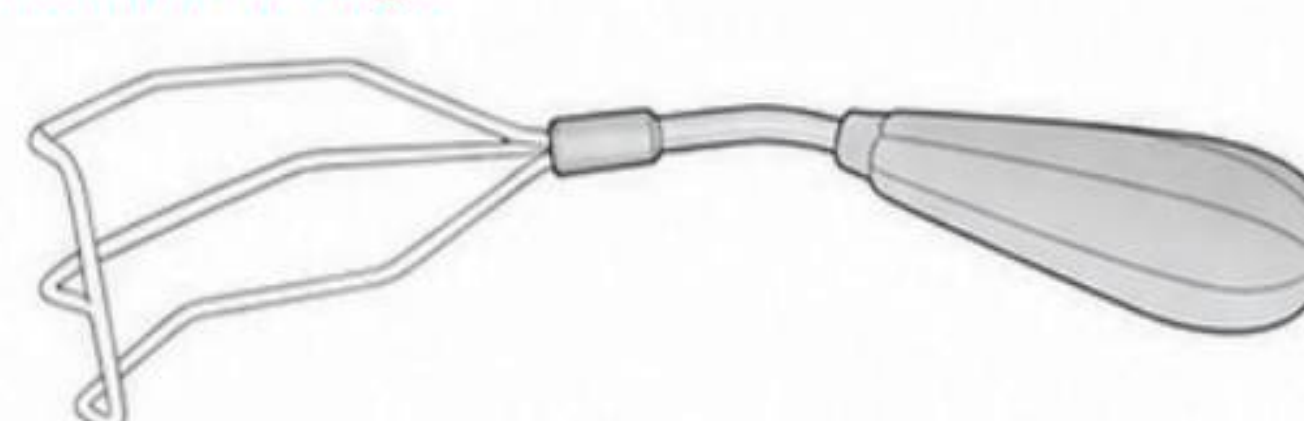
Satin finish handle



Code	Description
PTI-A1006	Infant
PTI-A1007	Child, 280mm blade
PTI-A1008	Adult, 300mm blade

PRIME Cooley Atrial Retractor

260mm overall length



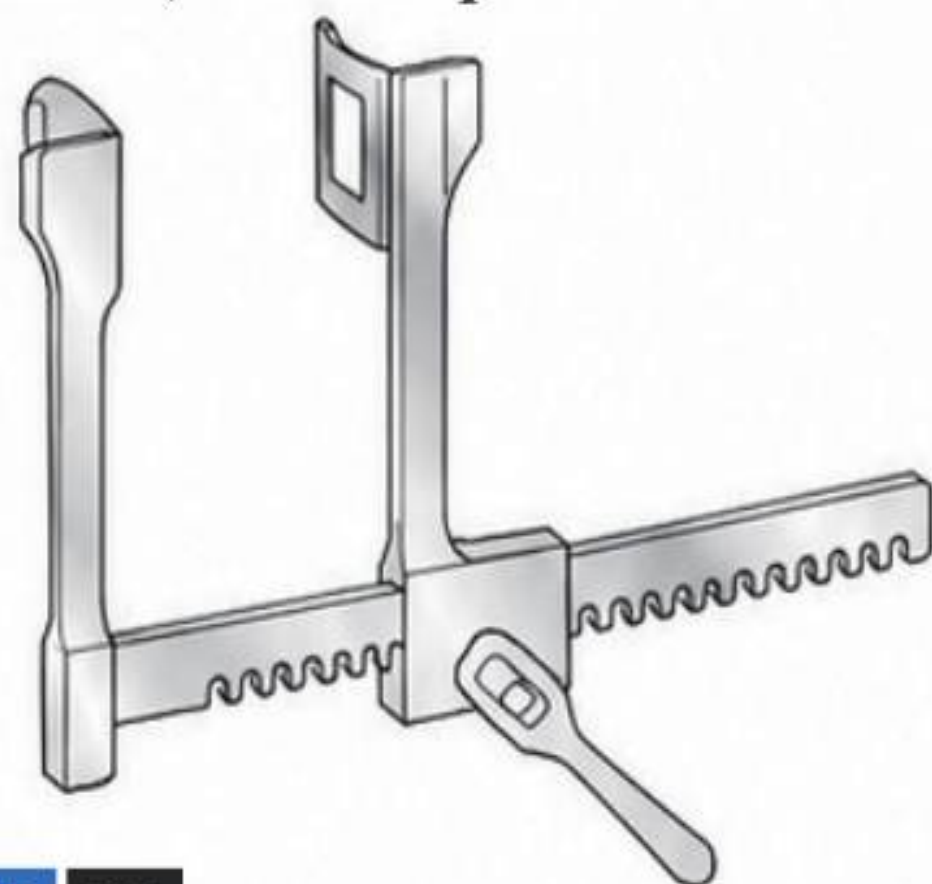
Code	Description
PTI-A1009	Right
PTI-A1010	Left

TIT SS TC BC

PRIME RIB SPREADERS

PRIME Finochietto Rib Spreader

Straight arms, 20mm square blades

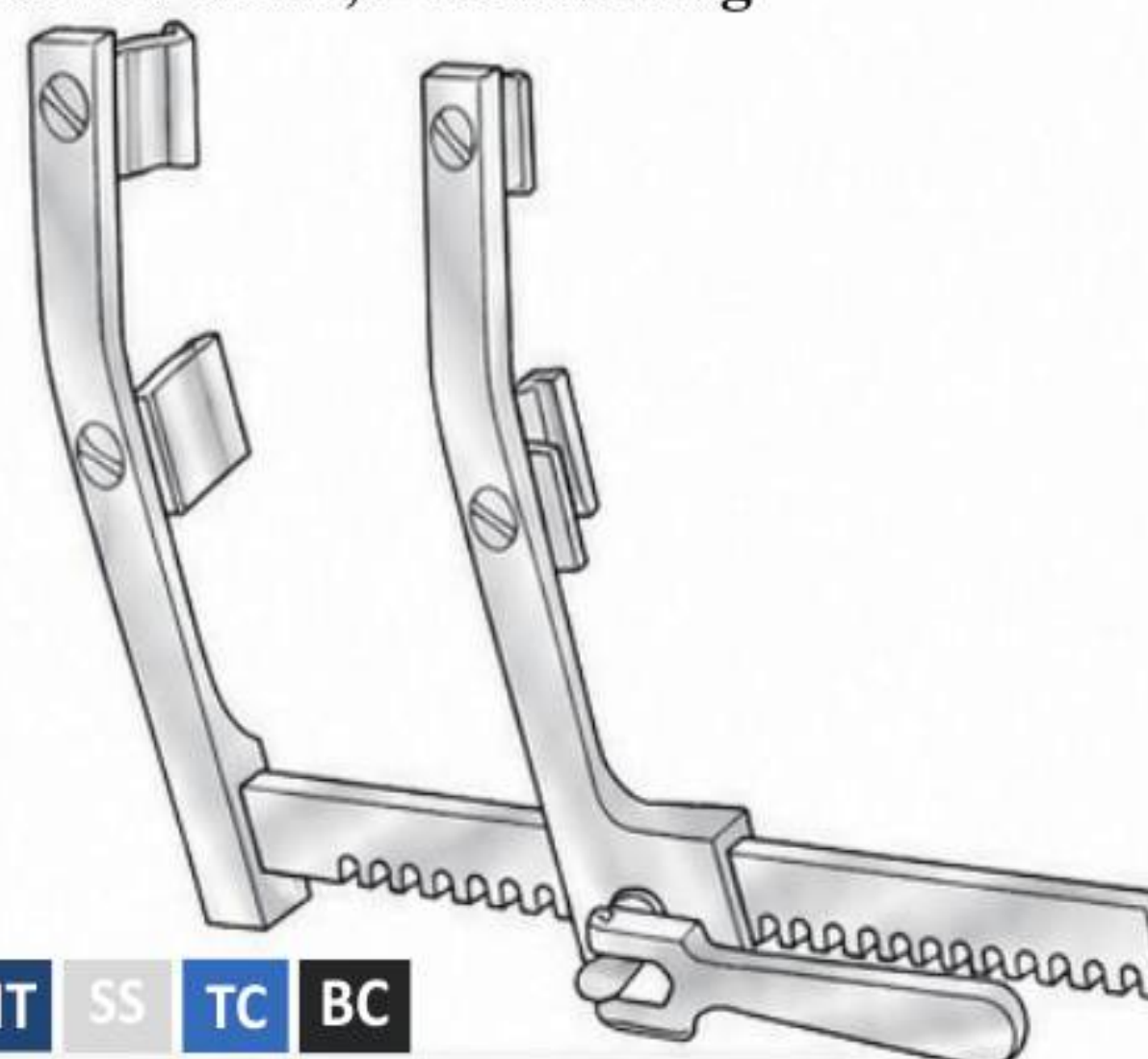


TIT SS TC BC

Code	Description
PTI-A1011	Infant, maximum opening 80mm x 60mm
PTI-A1012	Adult, maximum opening 200mm, blades 44 x 65mm

PRIME Morse-Favaloro Rib Spreader

Curved arms, 275mm long



TIT SS TC BC

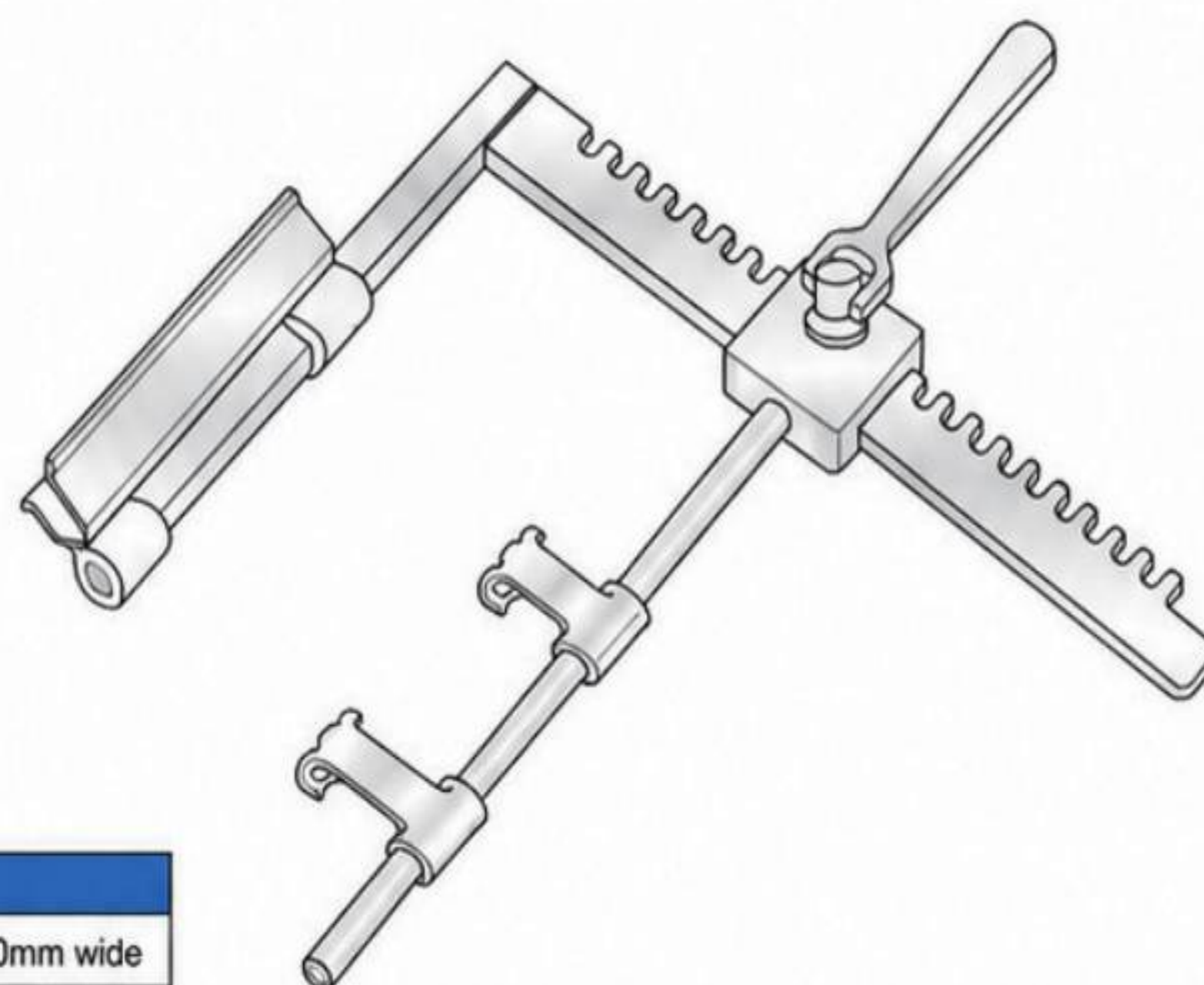
Code	Description
PTI-A1013	Swivel blades 215mm long
PTI-A1014	Swivel blades 185mm long

PRIME IMA Rib Spreader

Converts left or right

TIT SS TC BC

Code	Description
PTI-A1015	Standard frame only
PTI-A1016	Ministernotomy frame only
PTI-A1017	Complete, standard, 1 x frame, 1 x 100mm long x 20mm wide U shaped blade, 1 x claw blades 28mm and 32mm deep
PTI-A1018	Complete, ministernotomy, 1 x 30mm long x 20mm wide U shaped blade, 1 x claw blades 43mm and 50mm deep



Claw blade only

Code	Description
PTI-A1019	28mm deep
PTI-A1020	32mm deep
PTI-A1021	38mm deep
PTI-A1022	43mm deep
PTI-A1023	50mm deep

U shaped blade only

Code	Description
PTI-A1024	100mm long x 20mm wide
PTI-A1025	100mm long x 25mm wide
PTI-A1026	30mm long x 20mm wide

PRIME Price Thomas Rib Spreader

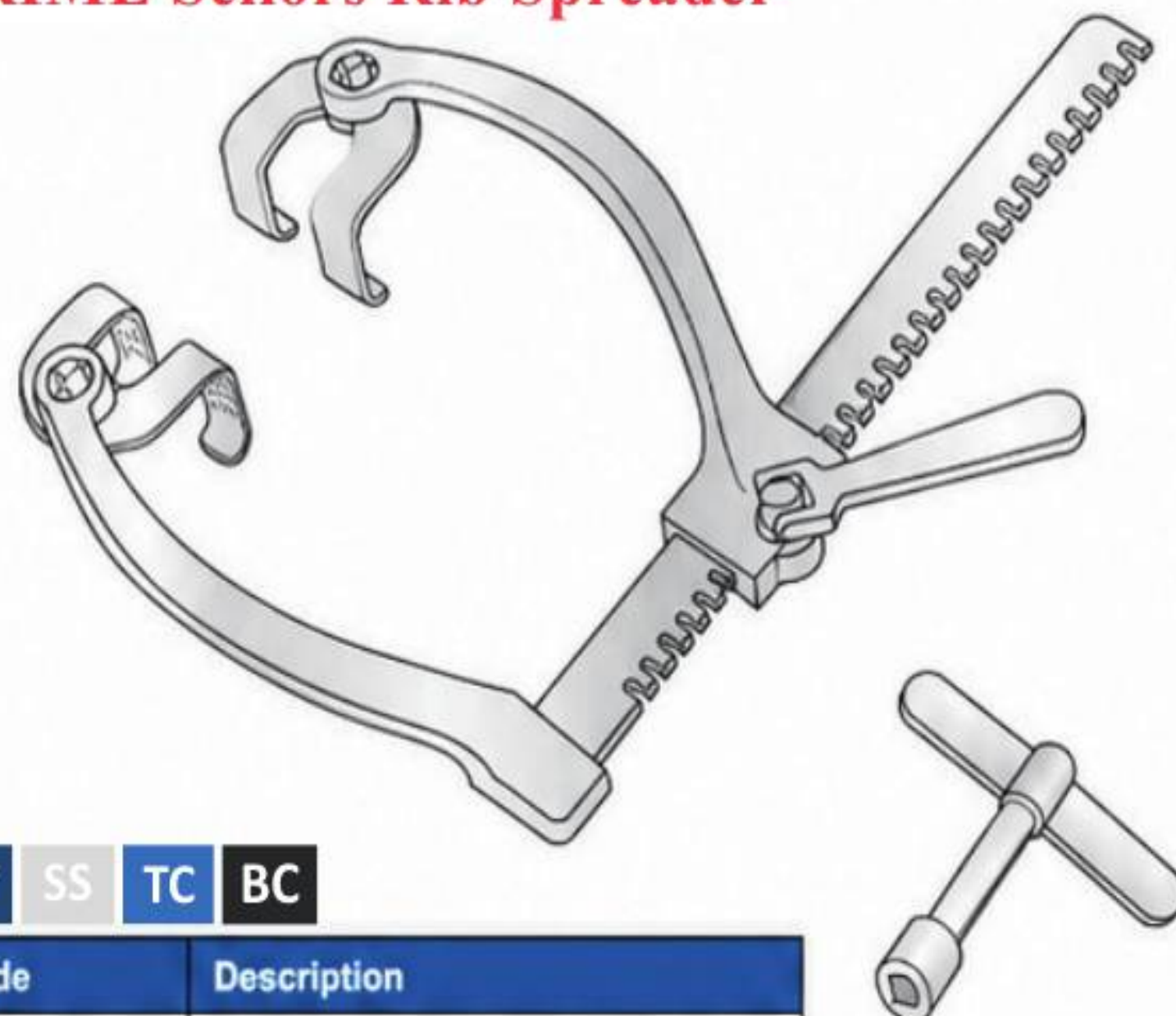
TIT SS TC BC

Code	Description
PTI-A1027	Complete with 3 pairs of blades, key, 250, 215, 68mm
PTI-A1028	Blade only, 50mm x 38mm, pair
PTI-A1029	Blade only, 50mm x 45mm, pair
PTI-A1030	Blade only, 50mm x 65mm, pair
PTI-A1031	Nut and bolt for blade only
PTI-A1032	Frame only
PTI-A1033	Key only

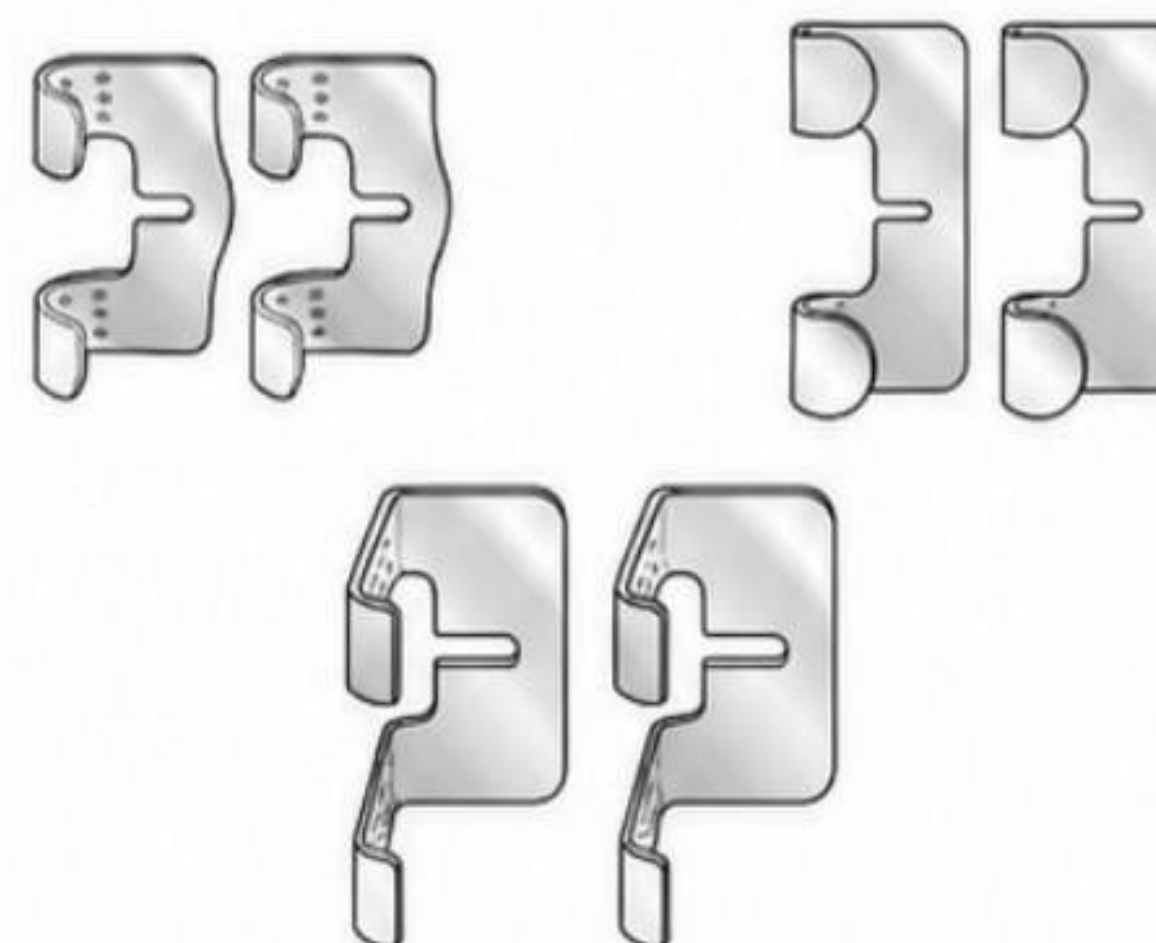


PRIME RIB SPREADERS

PRIME Sellors Rib Spreader



TIT	SS	TC	BC
Code	Description		
PTI-A1034	Complete with 3 pairs of blades, key,		
PTI-A1035	Blade only, 50mm x 38mm, pair		
PTI-A1036	Blade only, 50mm x 45mm, pair		
PTI-A1037	Blade only, 50mm x 65mm, pair		
PTI-A1038	Frame only		
PTI-A1039	Nut and bolt for blade only		
PTI-A1040	Key only		



Harefield sternal blade only, pair

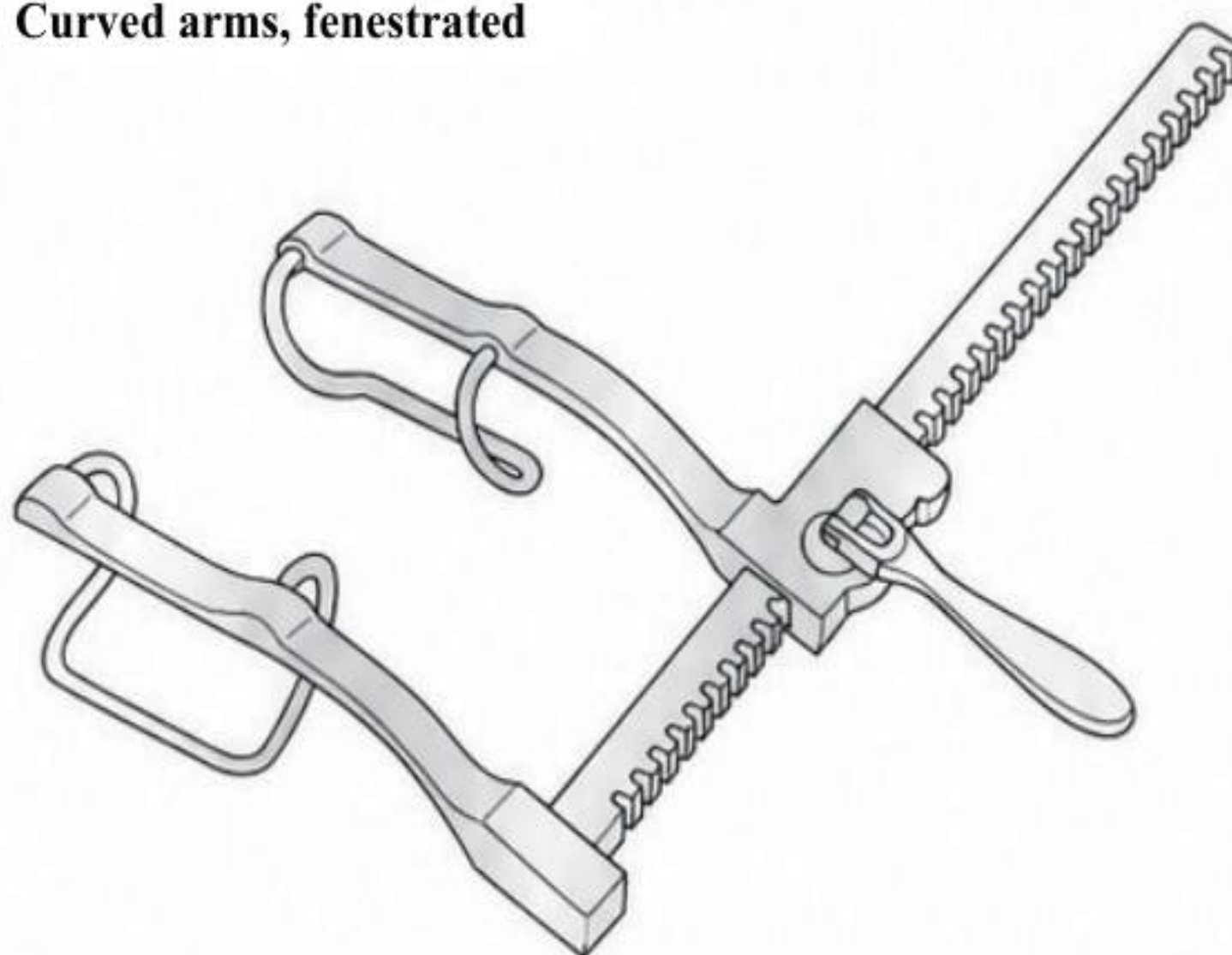
Code	Description
PTI-A1041	70 x 30mm
PTI-A1042	120 x 30mm

Harefield scapula blade only, pair

Code	Description
PTI-A1043	75 x 70mm

PRIME Ronald Edwards Rib Spreader

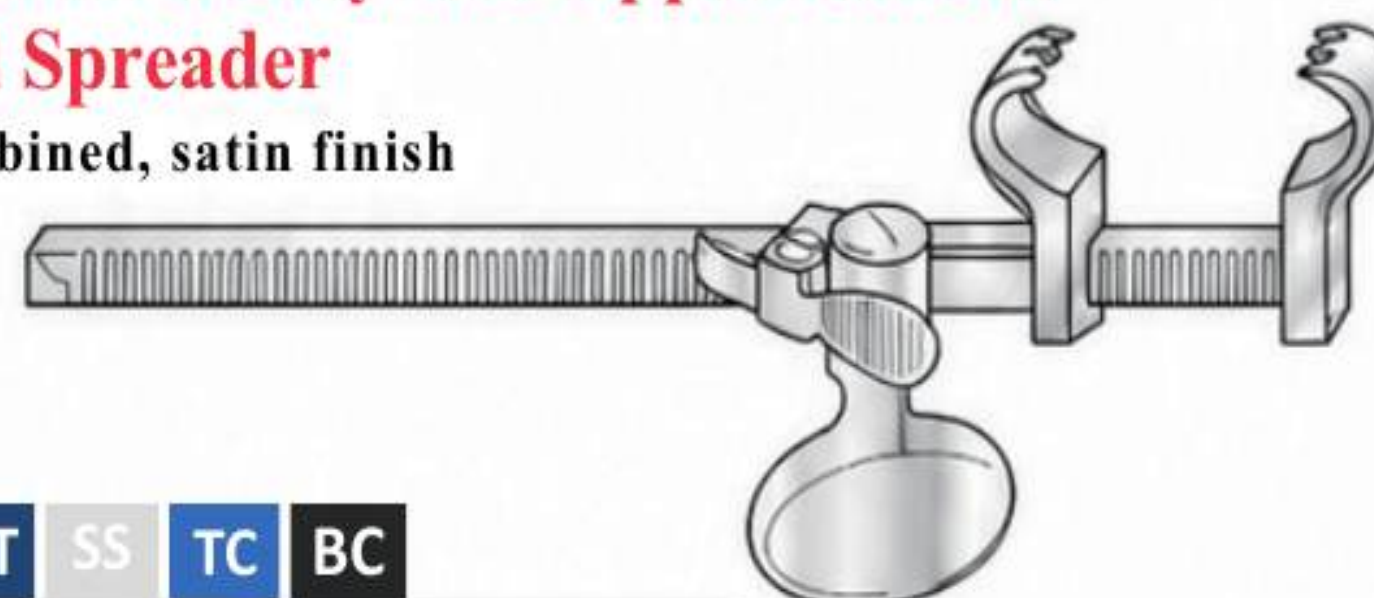
Curved arms, fenestrated



TIT	SS	TC	BC
Code	Description		
PTI-A1044	Infant, 100mm, 25mm x 30mm blades		
PTI-A1045	Child, 150mm, 30mm x 50mm blades		
PTI-A1046	Adult, 245mm, 65mm x 75mm blades		

PRIME Bailey Rib Approximator and Spreader

Combined, satin finish



TIT	SS	TC	BC
Code	Description		
PTI-A1047	160mm long		

PRIME Sellors Rib Approximator and Spreader

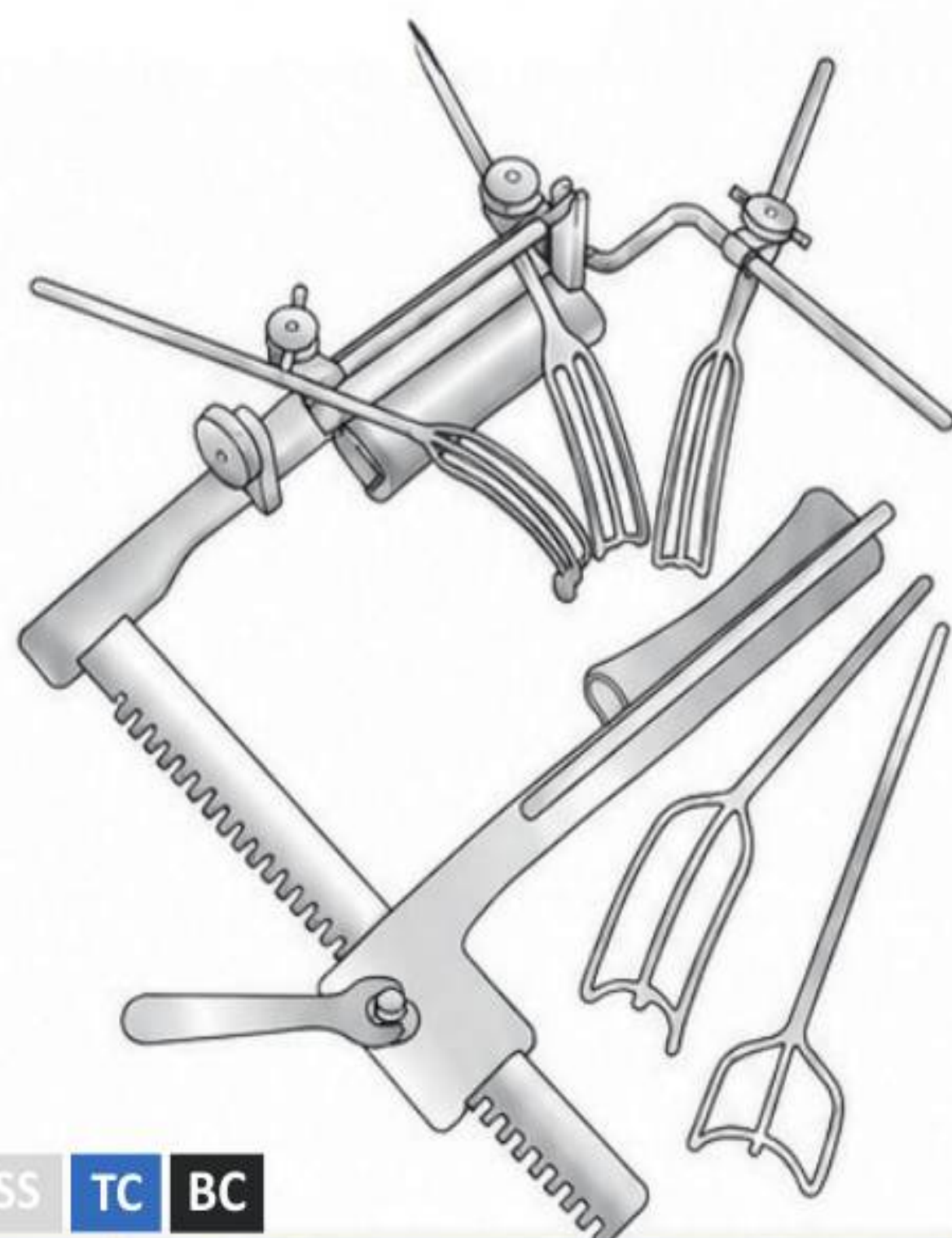
Combined action, satin finish



TIT	SS	TC	BC
Code	Description		
PTI-A1048	195mm long		

PRIME RIB SPREADERS

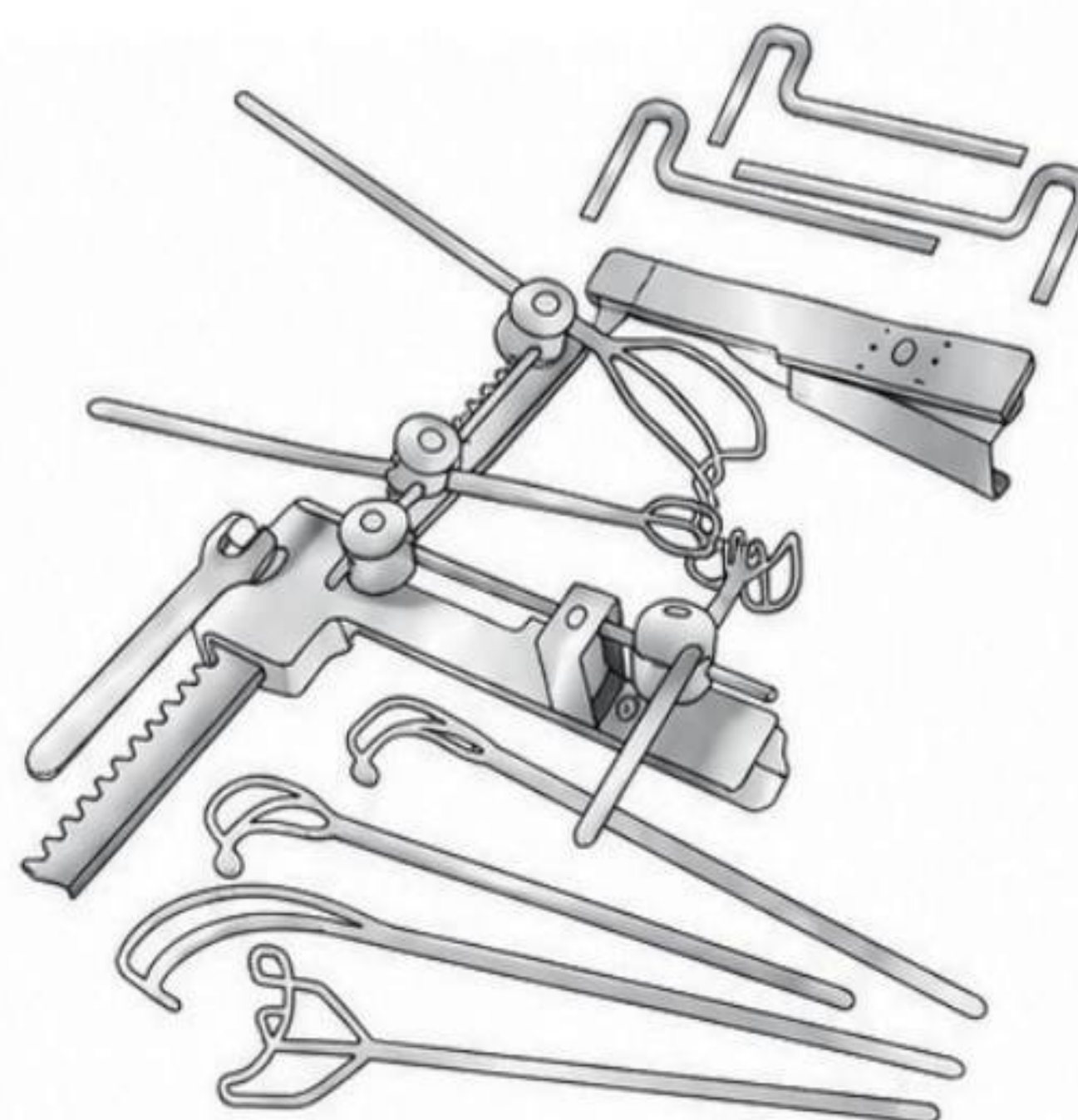
PRIME Cooley Rib Spreader



TIT SS TC BC

Code	Description
PTI-A1049	Adult, 40mm x 110mm blades, complete with cosgrove mounting bars
PTI-A1050	Adult, 40mm x 110mm blades, complete with cosgrove mitral valve retractor attachment, 5 x blades, 3 x clamp, 1 x side arm

PRIME Wells Rib Spreader



TIT SS TC BC

Code	Description
PTI-A1051	Small rake retractor on shaft
PTI-A1052	Frame only, 90mm wide x 25mm deep blades
PTI-A1053	Complete, frame, pillar clamp, 4 x ball clamps, 2 x mounting bars, hex keys, 1 x tricuspid rake ret, 2 x small, medium and large rake ret

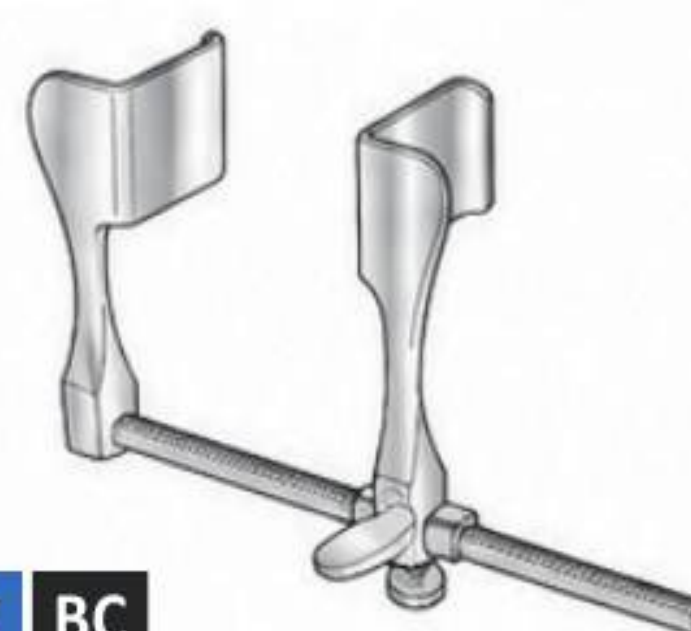
PRIME Tudor Edwards Rib Spreader



TIT SS TC BC

Code	Description
PTI-A1055	Complete, 2 of each blade, plus key
PTI-A1056	25mm blade only, pair
PTI-A1057	50mm blade only, pair
PTI-A1058	75mm blade only, pair

PRIME Tuffier Rib Spreader

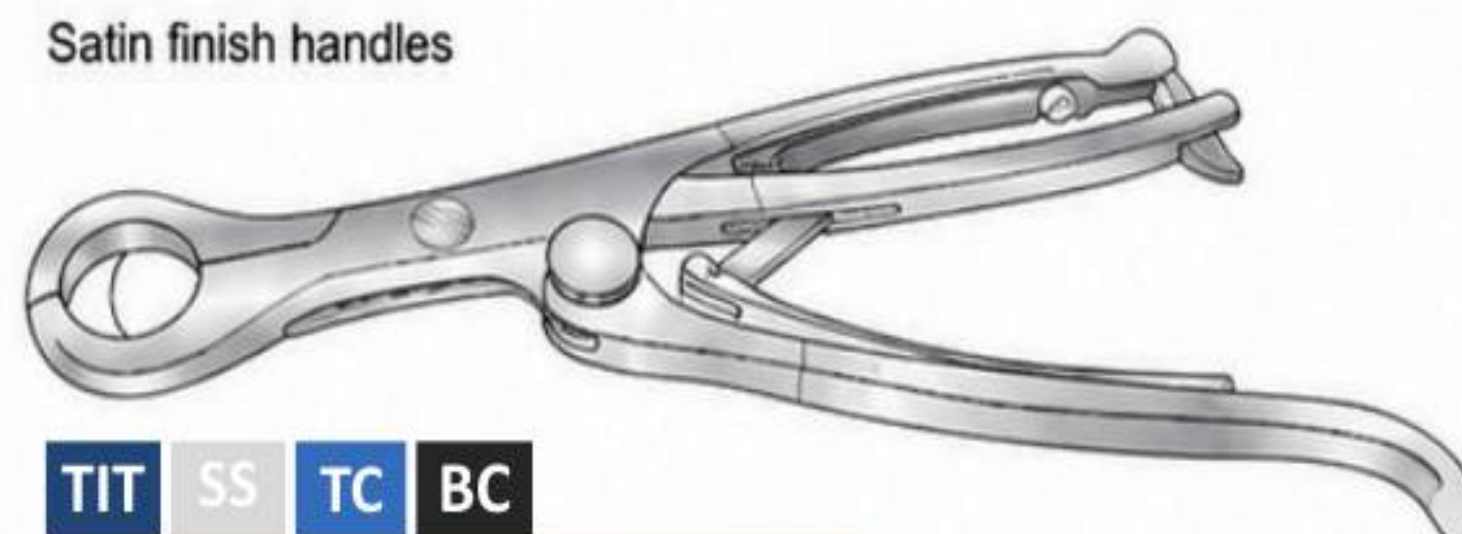


TIT SS TC BC

Code	Description
PTI-A1054	Blades 25mm deep x 19mm wide

PRIME Vehmehren Rib Holder and Costotome

Satin finish handles

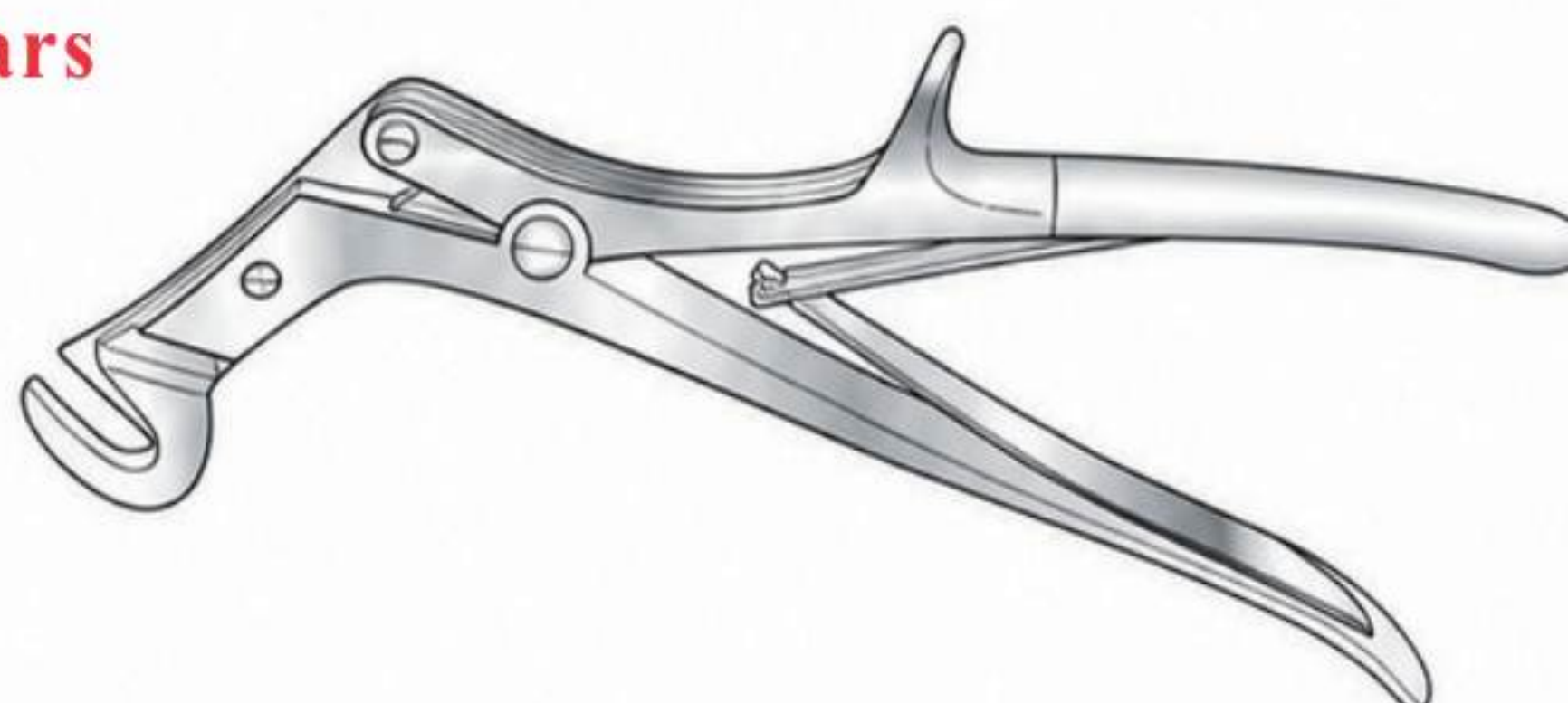


TIT SS TC BC

Code	Description
PTI-A1059	240mm long

PRIME RIB SHEARS AND LUNG FORCEPS

PRIME Giertz Rib Shears



TIT	SS	TC	BC
Code	Description		
PTI-A1060	270mm long		

PRIME Tudor Edwards Rib Shears Compound action, anterior



TIT	SS	TC	BC
Code	Description		
PTI-A1061	235mm long		

PRIME Mayo Lung Forceps Fenestrated, semi-circular jaw, satin finish



TIT	SS	TC	BC
Code	Description		
PTI-A1062	230mm long		

Special Care Needed For Your Thoracic Instruments

Staining



Beware of the use of Saline during surgery. This can be very damaging to any instrument if not immediately rinsed after surgery. Saline is highly corrosive. The image shows damage to the passive surface of an instrument.

Rusting



Due to the nature of their use, Thoracic Retractors can tarnish or present rust easily. These retractors can be fully refurbished and passivated by PRIME.

PRIME ELEVATORS AND MISCELLANEOUS

PRIME Tudor Edwards Periosteal Elevator

First rib, 175mm long



TIT	SS	TC	BC
Code	Description		
PTI-A1063	18mm wide		

PRIME Doyen Periosteal Elevator

Satin finish handle

TIT	SS	TC	BC
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165mm long

Code	Description
PTI-A1065	Right
PTI-A1066	Left

180mm long

Code	Description
PTI-A1067	Right
PTI-A1068	Left

PRIME Blalock Hook

249mm long

TIT	SS	TC	BC
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Code	Description
PTI-A1071	45° angle, 5mm tip
PTI-A1072	90° angle, 5mm tip

PRIME Ross (Papworth) Ventricular Sucker

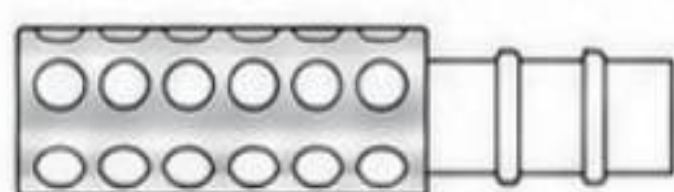
33mm long



TIT	SS	TC	BC
Code	Description		
PTI-A1073	Bullet		

PRIME Ross (Papworth) Sump Sucker

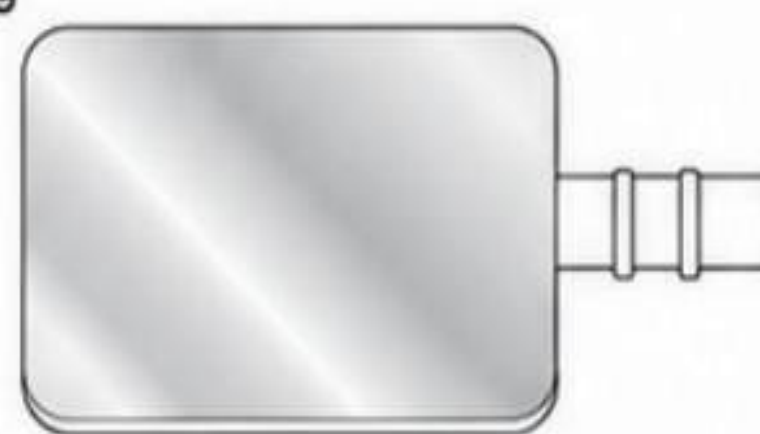
42mm long



TIT	SS	TC	BC
Code	Description		
PTI-A1074	Round end		

PRIME Ross (Papworth) Flat Sucker

42mm long



TIT	SS	TC	BC
Code	Description		
PTI-A1064	42 mm long		

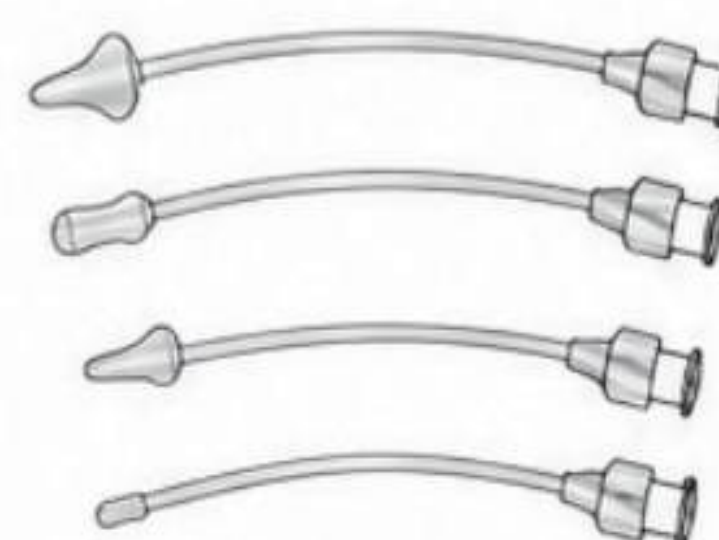
PRIME Ross Probe

200mm long



TIT	SS	TC	BC
Code	Description		
PTI-A1069	1mm		
PTI-A1070	1.5mm		

PRIME Tibbs Arterial Cannula



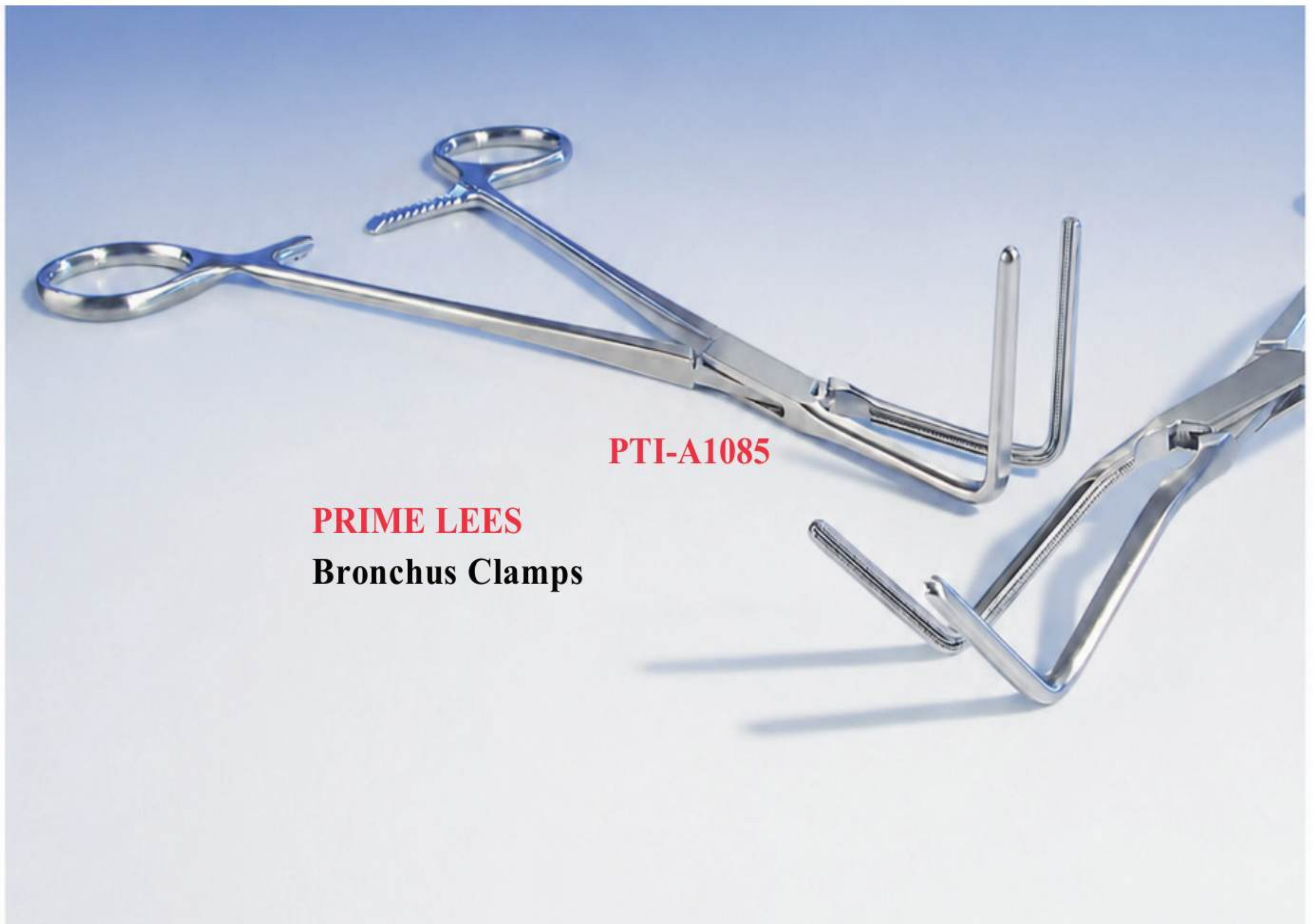
TIT	SS	TC	BC
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Code	Description
PTI-A1075	Set of four
PTI-A1076	Large cone
PTI-A1077	Large olive
PTI-A1078	Small cone
PTI-A1079	Small olive

GU pattern

Code	Description
PTI-A1080	Large cone
PTI-A1081	Large olive
PTI-A1082	Small cone
PTI-A1083	Small olive
PTI-A1084	Set of four

PRIME ATRAUMATIC VASCULAR CLAMPS

**PTI-A1085****PRIME LEES
Bronchus Clamps**

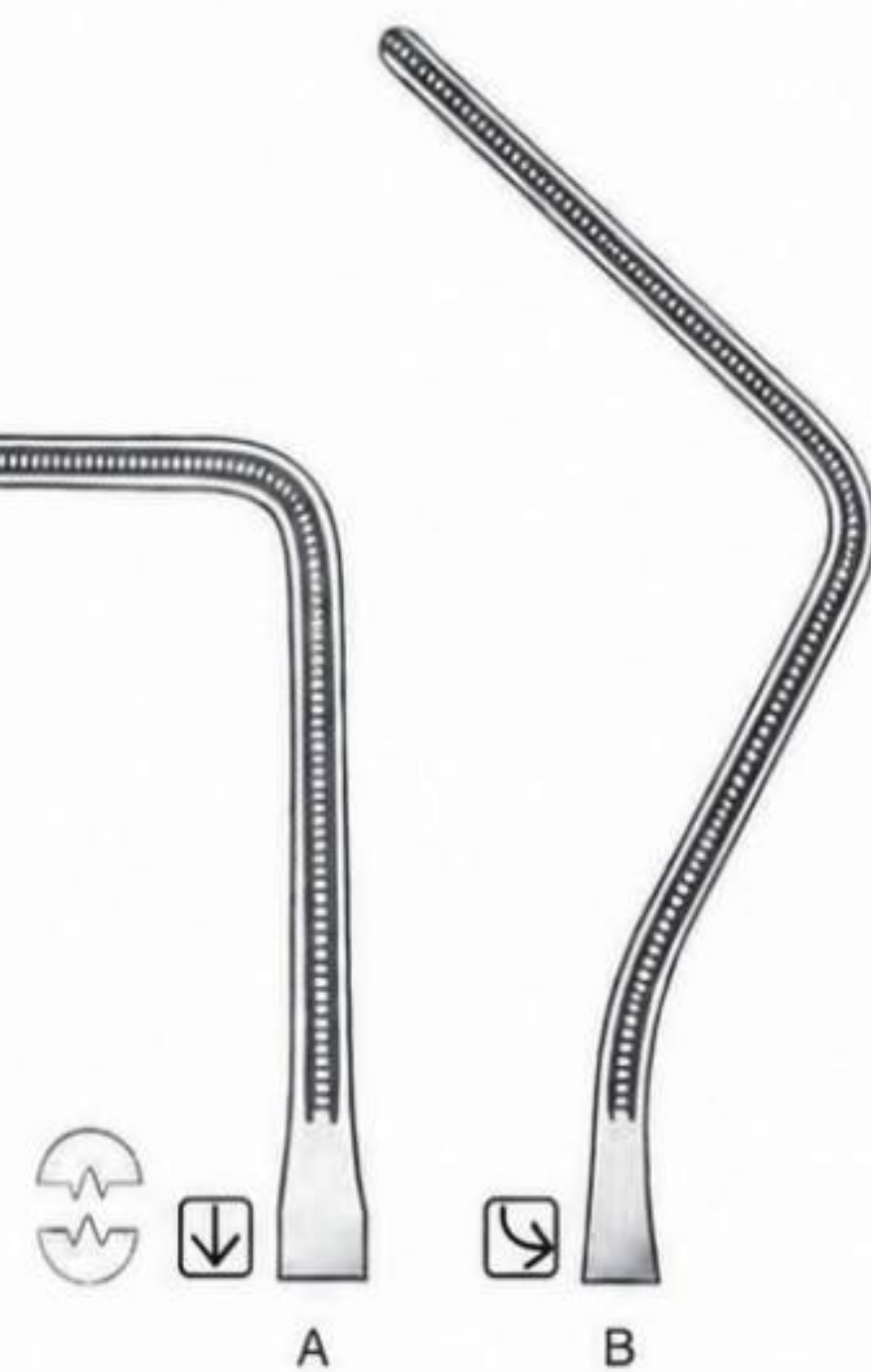
PRIME ATRAUMATIC VASCULAR **CLAMPS**



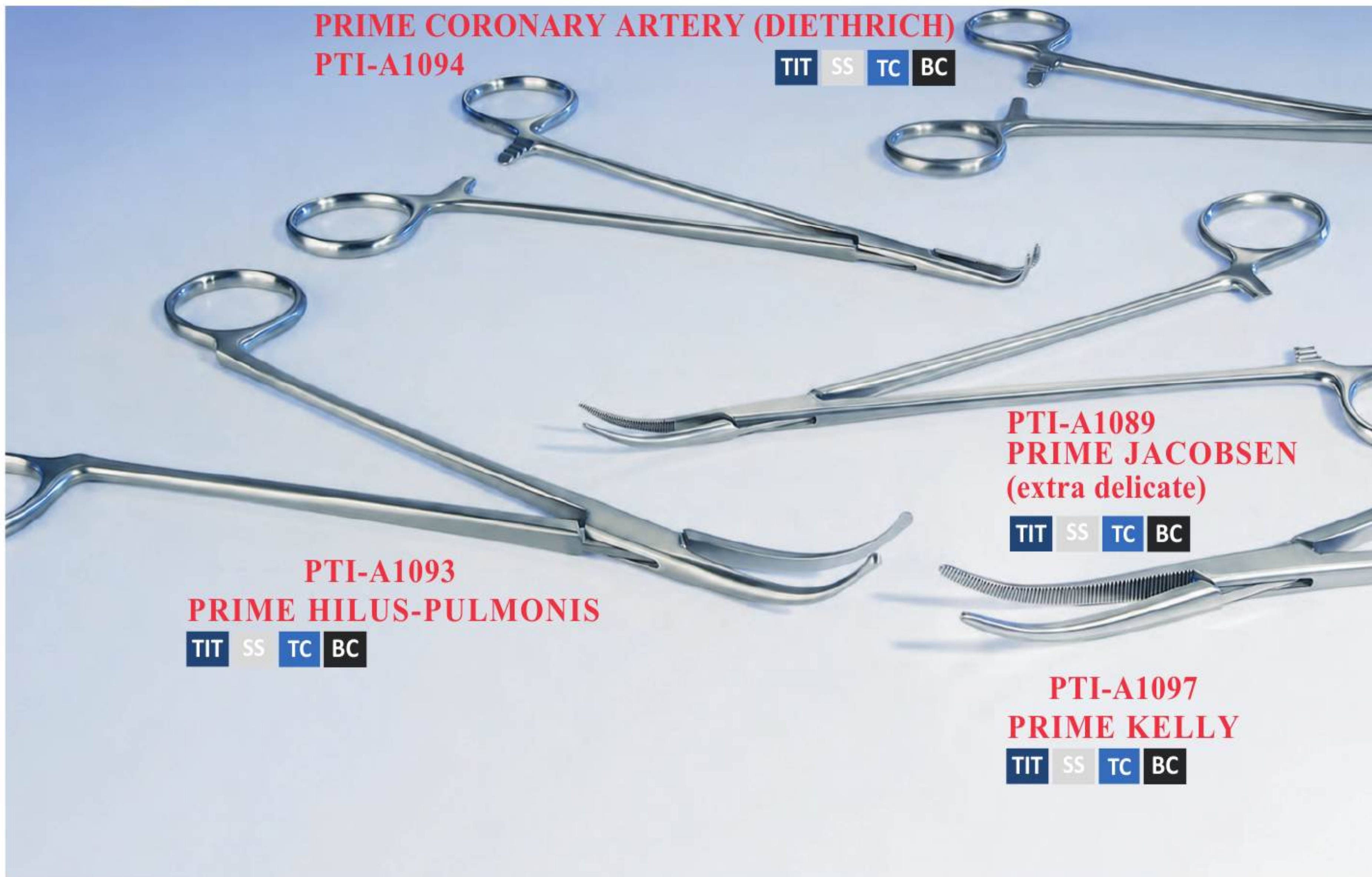
PRIME LEES Bronchus Clamps

- A **PTI-A1085**
23 cm/9"
PTI-A1086.TI
- B **PTI-A1087**
25 cm/10"
PTI-A1088.TI

TIT **SS** **TC** **BC**



PRIME DISSECTING FORCEPS



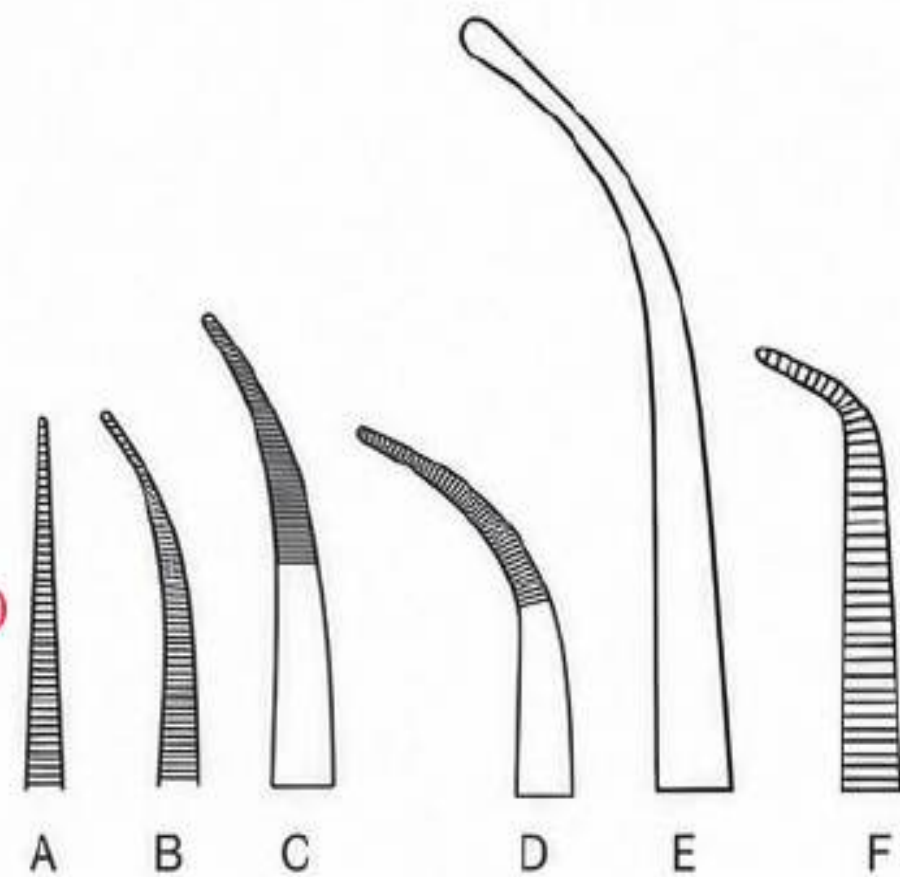


PRIME DISSECTING FORCEPS



PRIME JACOBSEN (extra delicate)

A	PTI-A1089	13 cm/5"
B	PTI-A1090	13 cm/5"
C	PTI-A1091	19 cm/7½"
D	PTI-A1092	19 cm/7½"



PRIME HILUS-PULMONIS

E	PTI-A1093	20 cm/8"
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PRIME CORONARY ARTERY (DIETHRICH)

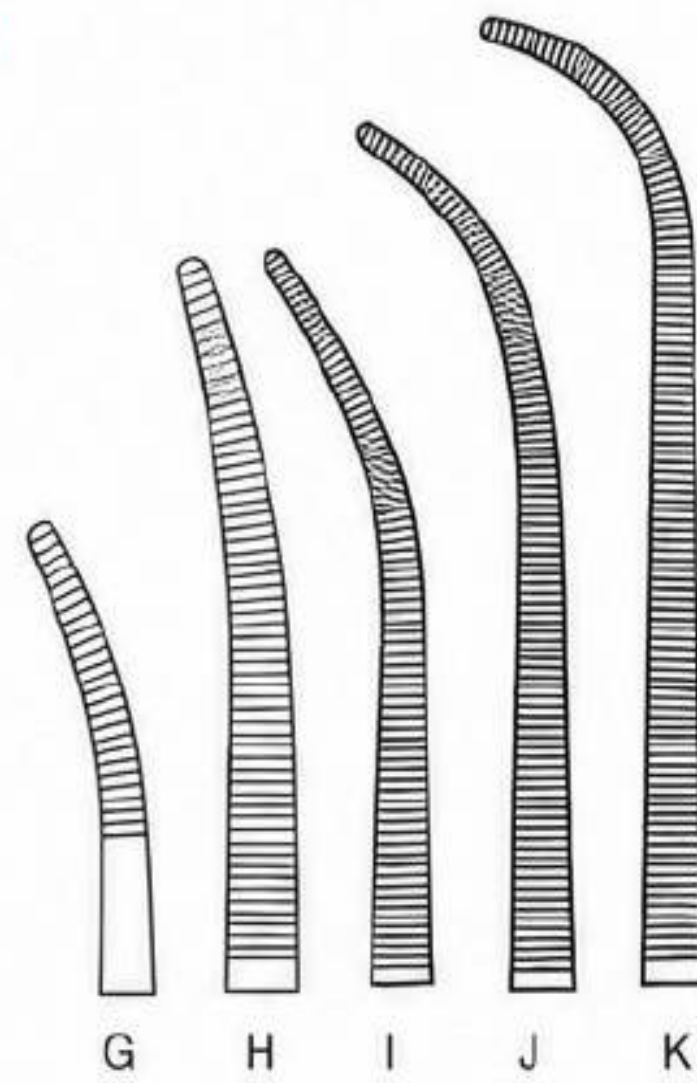
F	PTI-A1094	18.5 cm/7½"
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PRIME DUNHILL'S (UK)

G	PTI-A1095	12.5 cm/5"
H	PTI-A1096	18 cm/7"

PRIME KELLY

I	PTI-A1097	19 cm/7½"
	PTI-A1098	22 cm/8½"
	PTI-A1099	24 cm/9½"
J	PTI-A1100	19 cm/7½"
	PTI-A1101	22 cm/8½"
	PTI-A1102	24 cm/9½"
K	PTI-A1103	19 cm/7½"
	PTI-A1104	22 cm/8½"
	PTI-A1105	24 cm/9½"



PRIME FINE HEMOSTATIC FORCEPS



PRIME FINE HEMOSTATIC FORCEPS

PRIME PAPILLARY MUSCLE CLAMPS

with Resano jaws for strong and atraumatic grasping.

A	PTI-A1106	17 cm
	PTI-A1107	24 cm
	PTI-A1108	27 cm

PRIME SEMB BRONCHUS CLAMPS AND LIGATURE CARRIERS

B	PTI-A1109	25 cm/10"
C	PTI-A1110	25 cm/10"

PRIME CRAFOORD-SELLORS DISSECTING CLAMPS

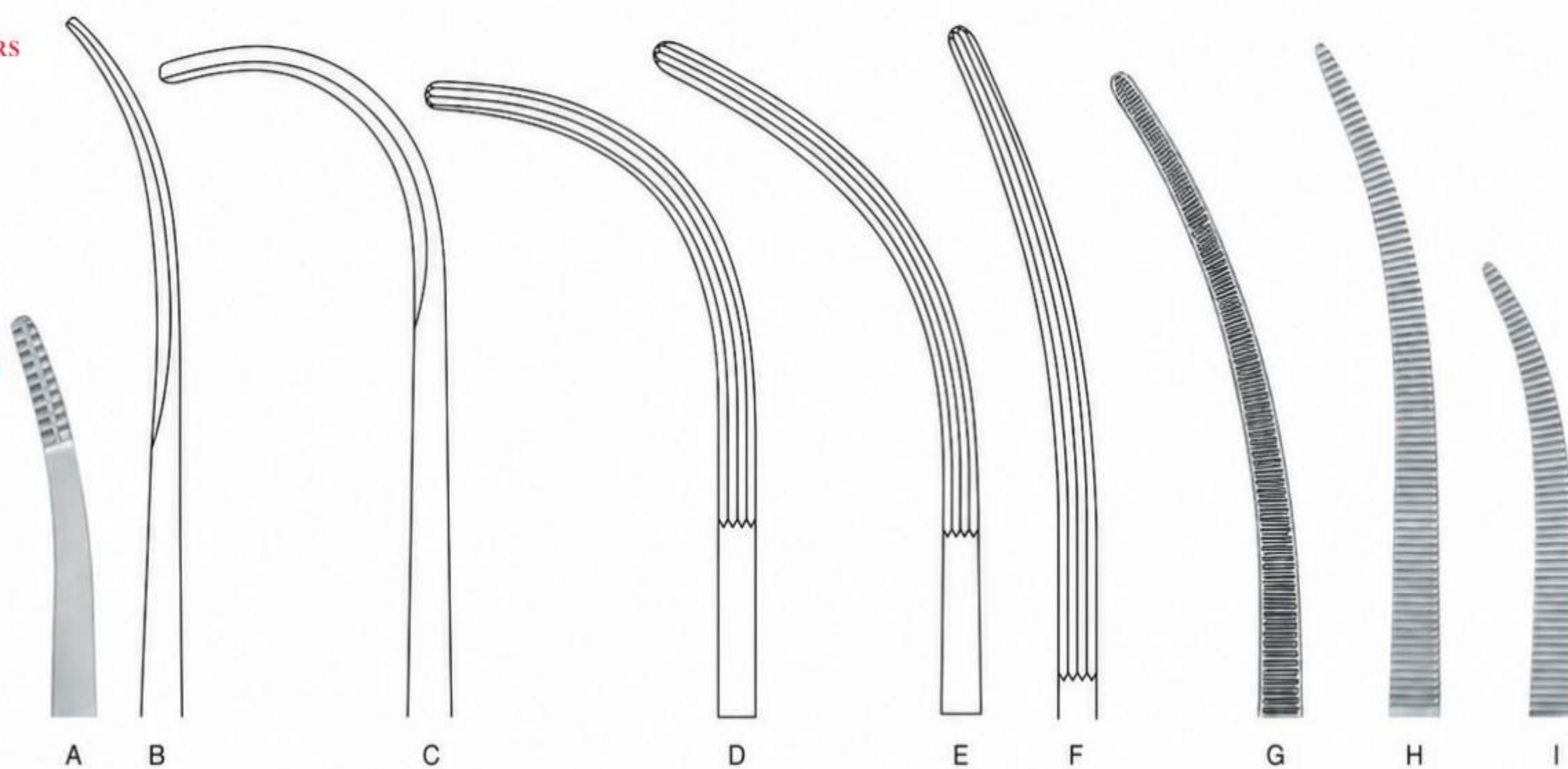
D	PTI-A1111	24 cm/9½"
E	PTI-A1112	24 cm/9½"
F	PTI-A1113	24 cm/9½"

PRIME SAROT (CRAFOORD) THORACIC FORCEPS

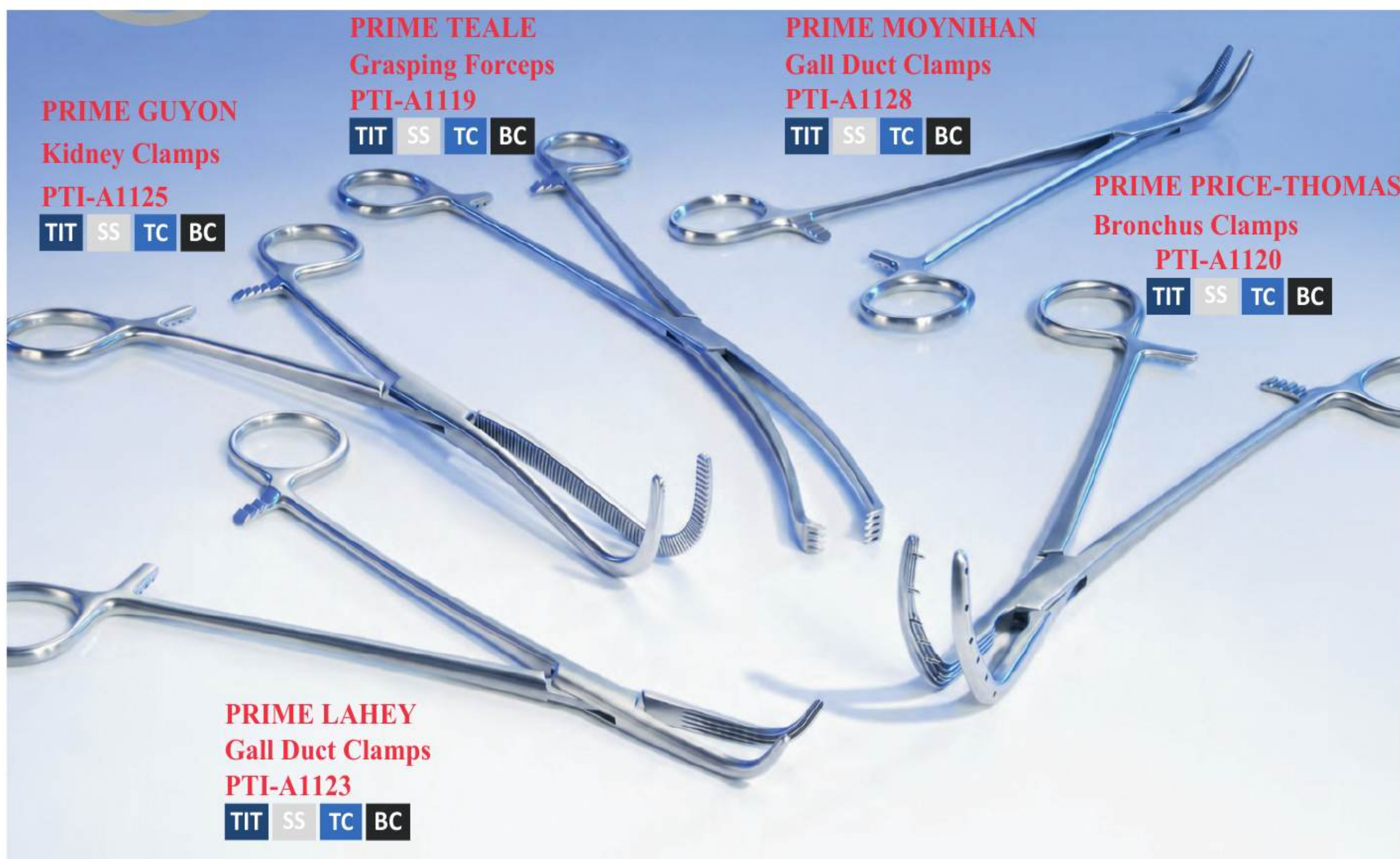
G	PTI-A1114	24 cm/9½"
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PRIME CRAFOORD FINE THORACIC FORCEPS

H	PTI-A1115	24 cm/9½"
I	PTI-A1116	18 cm/7"



PRIME BRONCHUS CLAMPS, GRASPING FORCEPS, GALL DUCT CLAMPS AND KIDNEY CLAMPS



PRIME BRONCHUS CLAMPS, GRASPING FORCEPS, GALL DUCT CLAMPS AND KIDNEY CLAMPS

PRIME MCDUGAL-TYPE PROSTATECTOMY CLAMPS

- A PTI-A1117 26,5 cm/10½" right
B PTI-A1118 26,5 cm/10½" left

PRIME TEALE GRASPING FORCEPS PTI-A1119 26 cm/10¼"



PRIME PRICE-THOMAS BRONCHUS CLAMPS

- PTI-A1120 22 cm/8¾" without Teeth
PTI-A1121 22 cm/8¾" Teeth left
PTI-A1122 22 cm/8¾" Teeth right

PRIME LAHEY GALL DUCT CLAMPS

- C PTI-A1123 19 cm/7½"
D PTI-A1124 22,5 cm/8½"

PRIME GUYON KIDNEY CLAMPS

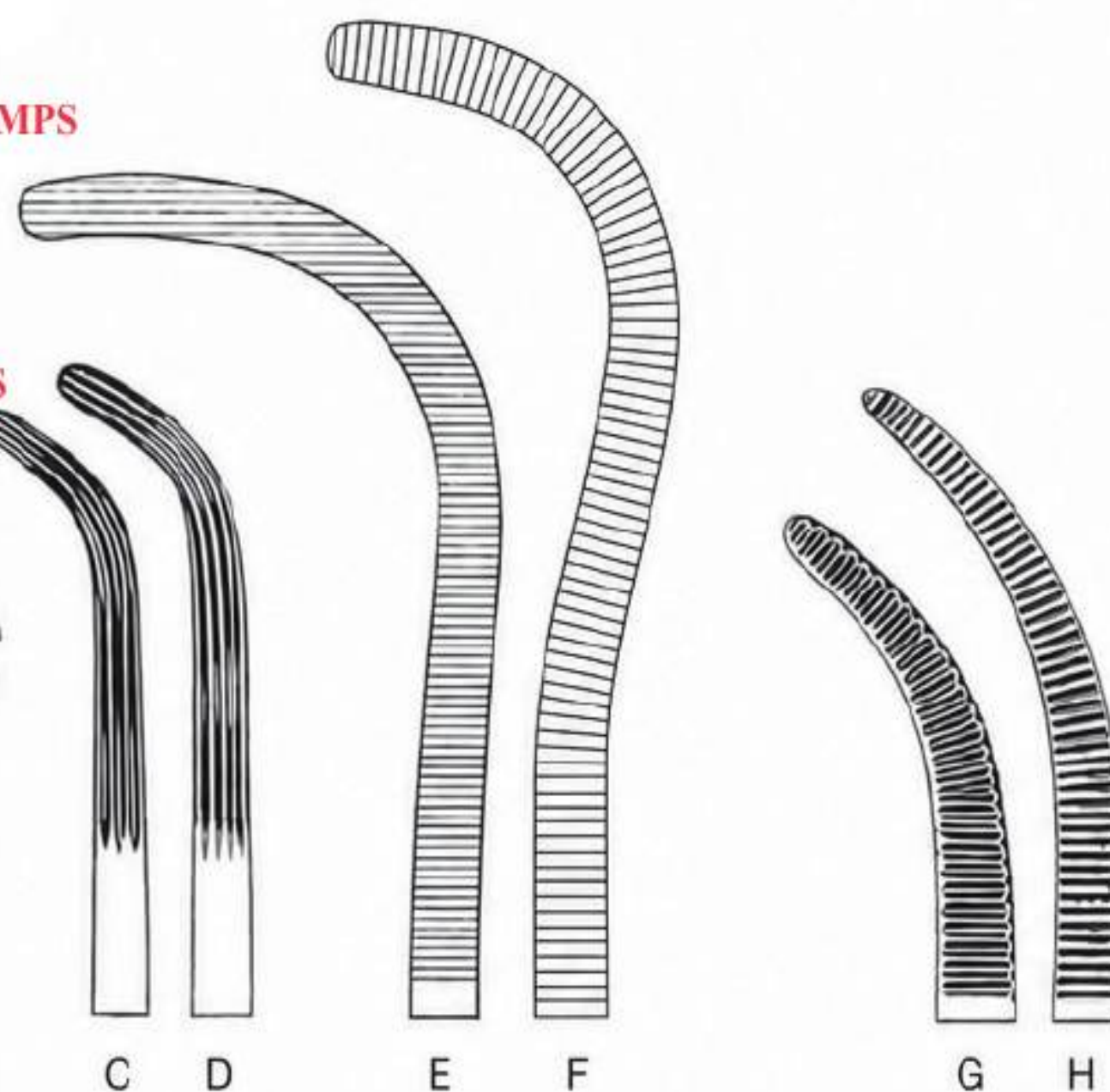
- E PTI-A1125 23 cm/9"
F PTI-A1126 24 cm/9½"
DeBakey Serrations
PTI-A1127 23 cm/9"
PTI-A1128 24 cm/9½"
Curvature see C/D



PRIME MOYNIHAN GALL DUCT CLAMPS

- G PTI-A1128 23 cm/9"
H PTI-A1129 24 cm/9½"

TIT SS TC BC



PRIME TUBE MILKING ROLLERS AND CHEST TUBE PASSER



PRIME TUBE MILKING ROLLERS AND CHEST TUBE PASSER



PRIME TUBE STRETCHER
PTI-A1130 13 cm/5"

PRIME BROMPTON TUBE MILKING ROLLER
Teflon roller wheels, Aluminium
PTI-A1131 16 cm/6 1/4"

PRIME GUNNAR HEY TUBE MILKING ROLLER
Stainless steel roller wheels
PTI-A1132 19 cm/7 1/2"

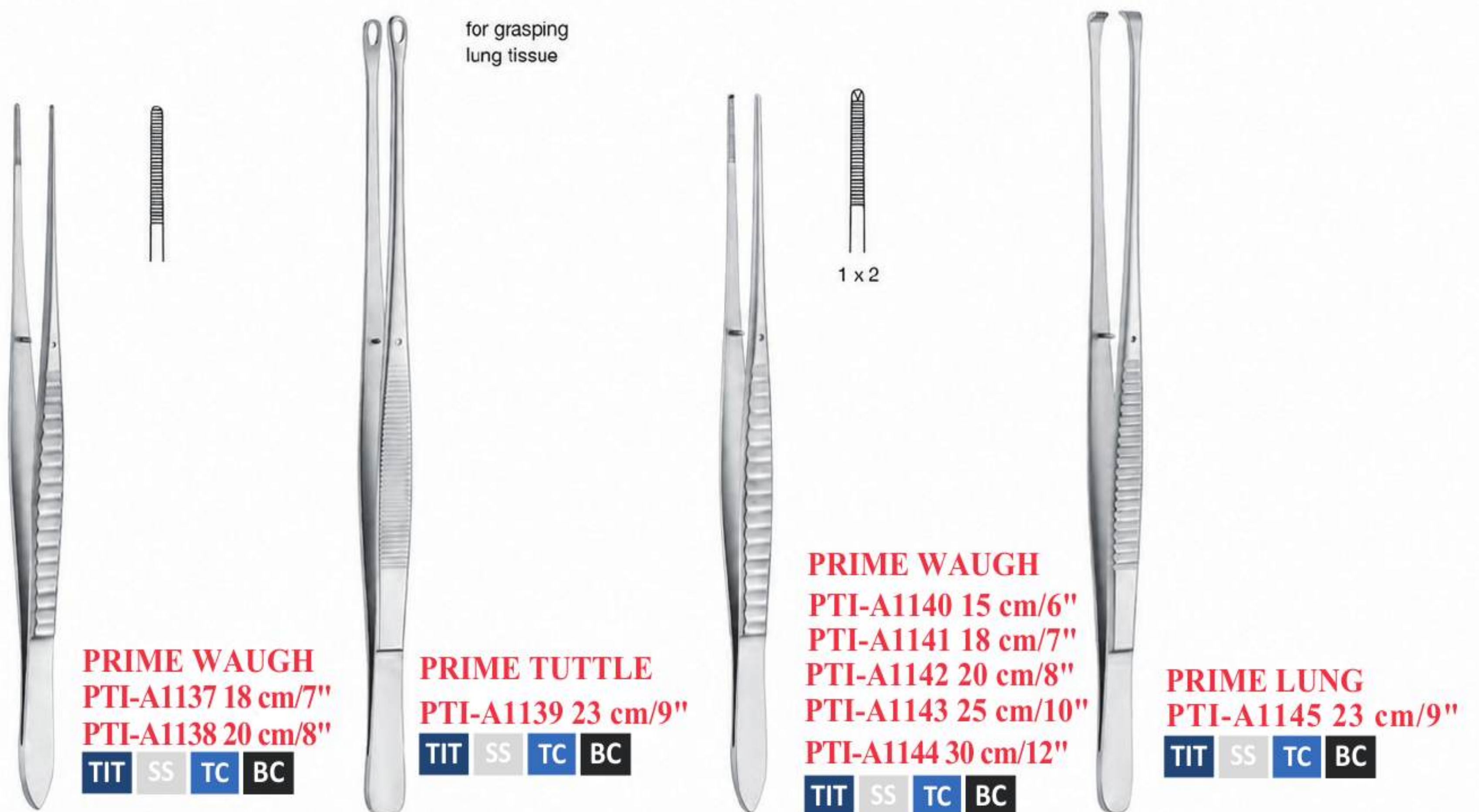
PRIME CHEST TUBE PASSER

The purpose of a chest tube is to restore normal vacuum (negative) pressures by removing air or fluid in a closed, one-way fashion. A chest tube can be placed during surgery or at the bedside as a sterile procedure. Placement for air removal is apical, as air rises to the highest point. Placement for fluid removal is in the fourth to sixth intercostal spaces at the mid-axillary line, as gravity pulls fluid downward. Also useful to depress lung in minimally invasive cardiac surgery.

- Facilitates placement of chest tubes
- solid design, gently curved
- extended jaw with strong teeth for good grip
- optional vascular clamp type ratchet

PTI-A1133 24 cm/9 1/2"	without ratchet
PTI-A1134 24 cm/9 1/2"	with ratchet
PTI-A1135 37 cm/14 1/2"	without ratchet
PTI-A1136 37 cm/14 1/2"	with ratchet

PRIME DRESSING AND TISSUE FORCEPS, GRASPING FORCEPS





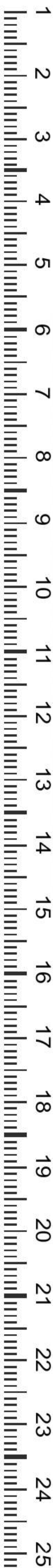
PRIME RIB SHEARS

PRIME CORYLLOS-BETHUNE

PRIME CORYLLOS-BETHUNE



PRIME CORYLLOS-BETHUNE	
Art.-No.	Length
PTI-A1146	36 cm/14"
Right protected jaws	
PRIME CORYLLOS-BETHUNE	
Art.-No.	Length
PTI-A1147	36 cm/14"
Left protected jaws	
TIT	SS TC BC



PRIME RIB SHEARS

PRIME BETHUNE

Art.-No.	Length
PTI-A1148	23 cm/9"
PTI-A1149	21 cm/8 1/4"
PRIME BETHUNE	
Art.-No.	Length
PTI-A1150	35 cm/14"
TIT	SS
TC	BC



PRIME BONE CUTTING FORCEPS AND COSTOTOME

TIT SS TC BC

PRIME TUDOR-EDWARDS



TIT SS TC BC

PRIME COSTOTOME



PRIME TUDOR-EDWARDS

S-curved

Art.-No.	Length
PTI-A1151	26 cm/10 1/4"

PRIME COSTOTOME

Art.-No.	Length
PTI-A1152	24 cm/9 1/2"



PRIME RIB SHEARS

TIT SS TC BC

PRIME SAUERBRUCH



TIT SS TC BC

PRIME GIERTZ-STILLE



PRIME SAUERBRUCH	
Art.-No.	Length
PTI-A1153	26 cm/10 1/4"
PRIME GIERTZ-STILLE	
Art.-No.	Length
PTI-A1154	27 cm/10 1/2"



**PRIME SPERONI
One for All Retractor
PTI-A1155**

TIT SS TC BC



Sternum Blades

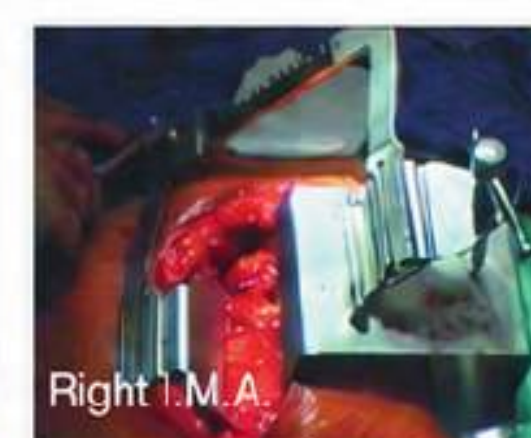
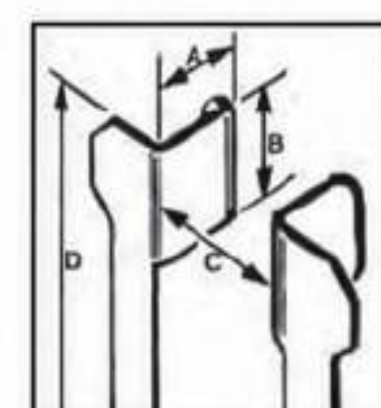
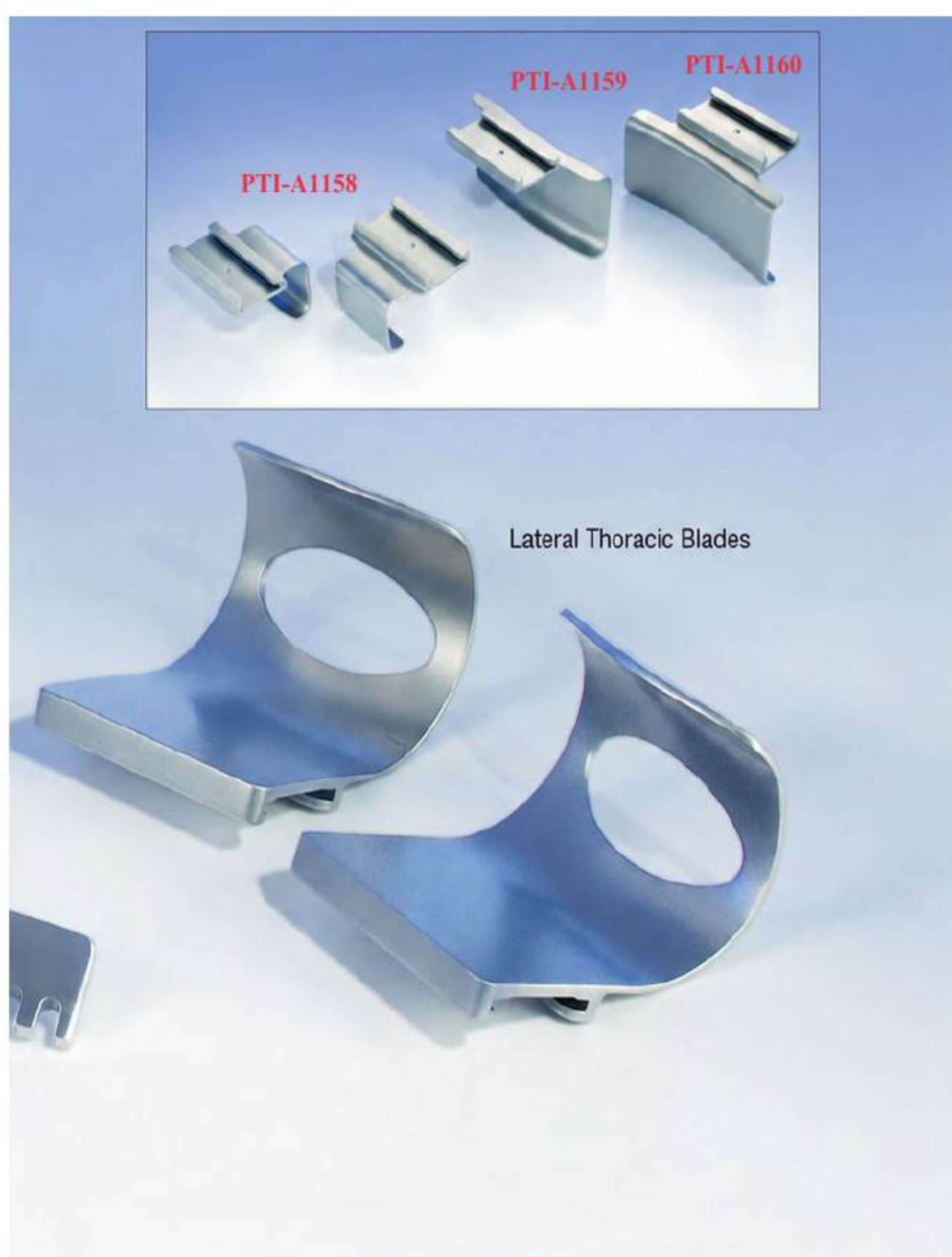
IMA blade



PTI-A1156

PTI-A1157

PRIME SPERONI ONE FOR ALL **RETRACTOR**

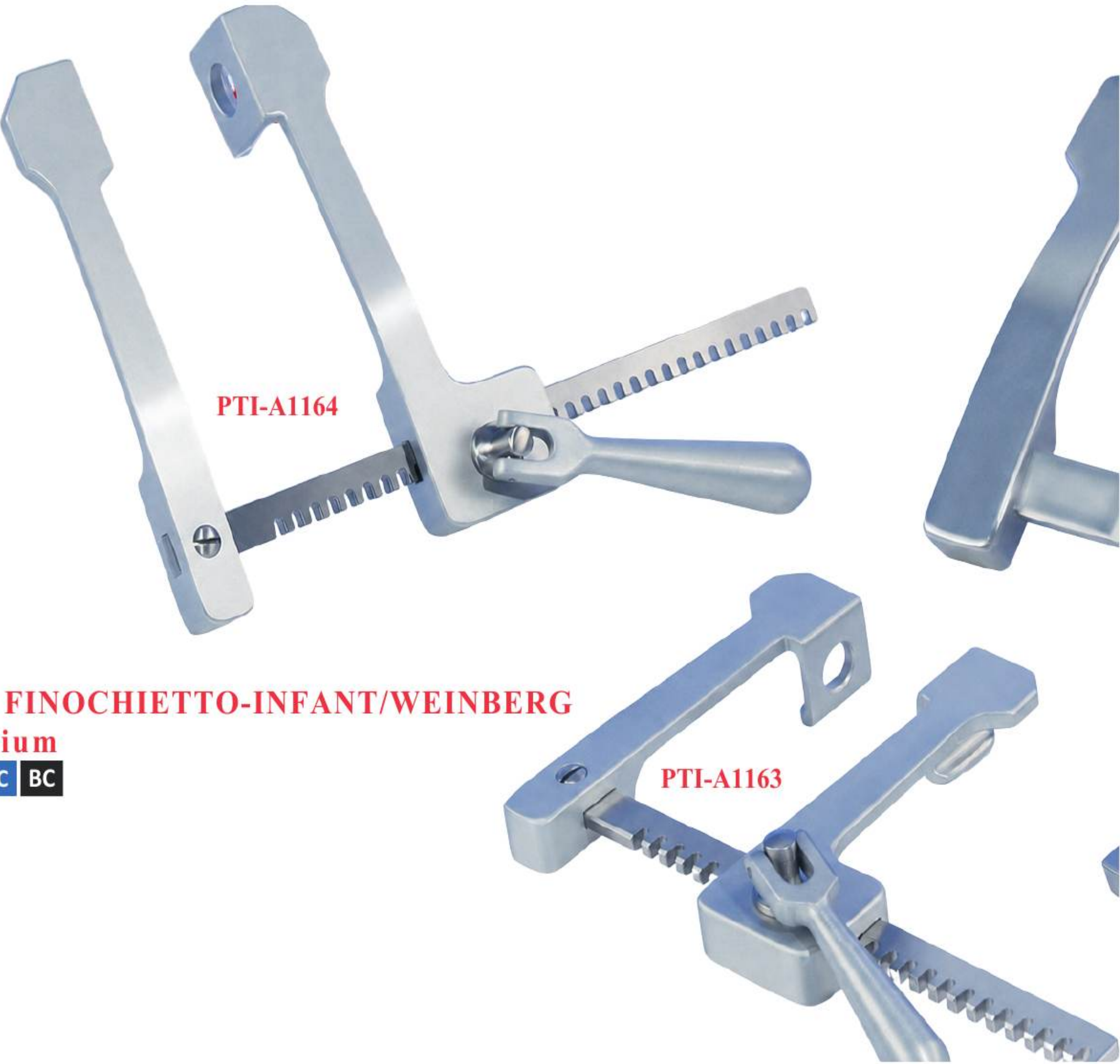


PRIME SPERONI ONE FOR ALL RETRACTOR

Art.-No.	A	B	C	D
PTI-A1155	40 mm 50 mm	100 mm 60 mm	230 mm	160 mm
Optional blades:				
PTI-A1156	30 mm	100 mm		
PTI-A1157	50 mm	100 mm		
PTI-A1158	60 mm	100 mm		
PTI-A1159	35 mm	42 mm		
PTI-A1160	Mini I.M.A. blade, long			
PTI-A1161	Mini I.M.A. blade, short w/teeth			

This universal retractor system perfectly covers all requirements of modern cardiothoracic surgery. It comes with one I.M.A. blade with stabilizing screw – converting it into a stable threepoint I.M.A. retractor – as well as with 2 sternum blades and 2 lateral thoracic blades. Optionally available are smaller mini-thoracotomy blades and a t-bar with a wide variety of accessories making it truly **“One for All”**

Developed in cooperation with Dr. Fabio Speroni, German Heart Institute Berlin.



PTI-A1164

PRIME FINOCHIETTO-INFANT/WEINBERG

Aluminium

TIT SS TC BC

PTI-A1163

PRIME RIB SPREADERS



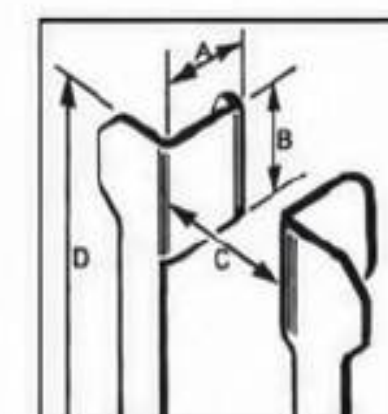
TIT SS TC BC

PRIME FINOCHIETTO-BABY-HAIGHT
Aluminium
PTI-A1167

PRIME MINI-FINOCHIETTO

Stainless Steel
PTI-A1162

TIT SS TC BC



Aluminium

The specific gravity of Aluminium is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminium are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminium is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by "-RS" behind the article number.

PRIME MINI-FINOCHIETTO

Steel	Fig.	A	B	C	D
PTI-A1162	XXS	6 mm	7 mm	37 mm	25 mm

PRIME FINOCHIETTO-INFANT/WEINBERG

Aluminium Steel	Fig.	t	B	C	D
PTI-A1163 PTI-A1165	XS	12 mm	15 mm	70 mm	55 mm
PTI-A1164 PTI-A1166	S	12 mm	20 mm	95 mm	75 mm

PRIME FINOCHIETTO-BABY-HAIGHT

Aluminium Steel	Fig.	t	B	C	D
PTI-A1167 PTI-A1168 M		28 mm	30 mm	100 mm	75 mm



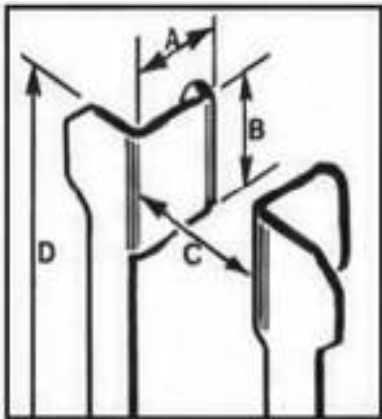
PRIME RIB SPREADERS

PRIME FINOCHIETTO
Aluminium

TIT SS TC BC

PTI-A1169

PTI-A1170



Aluminium

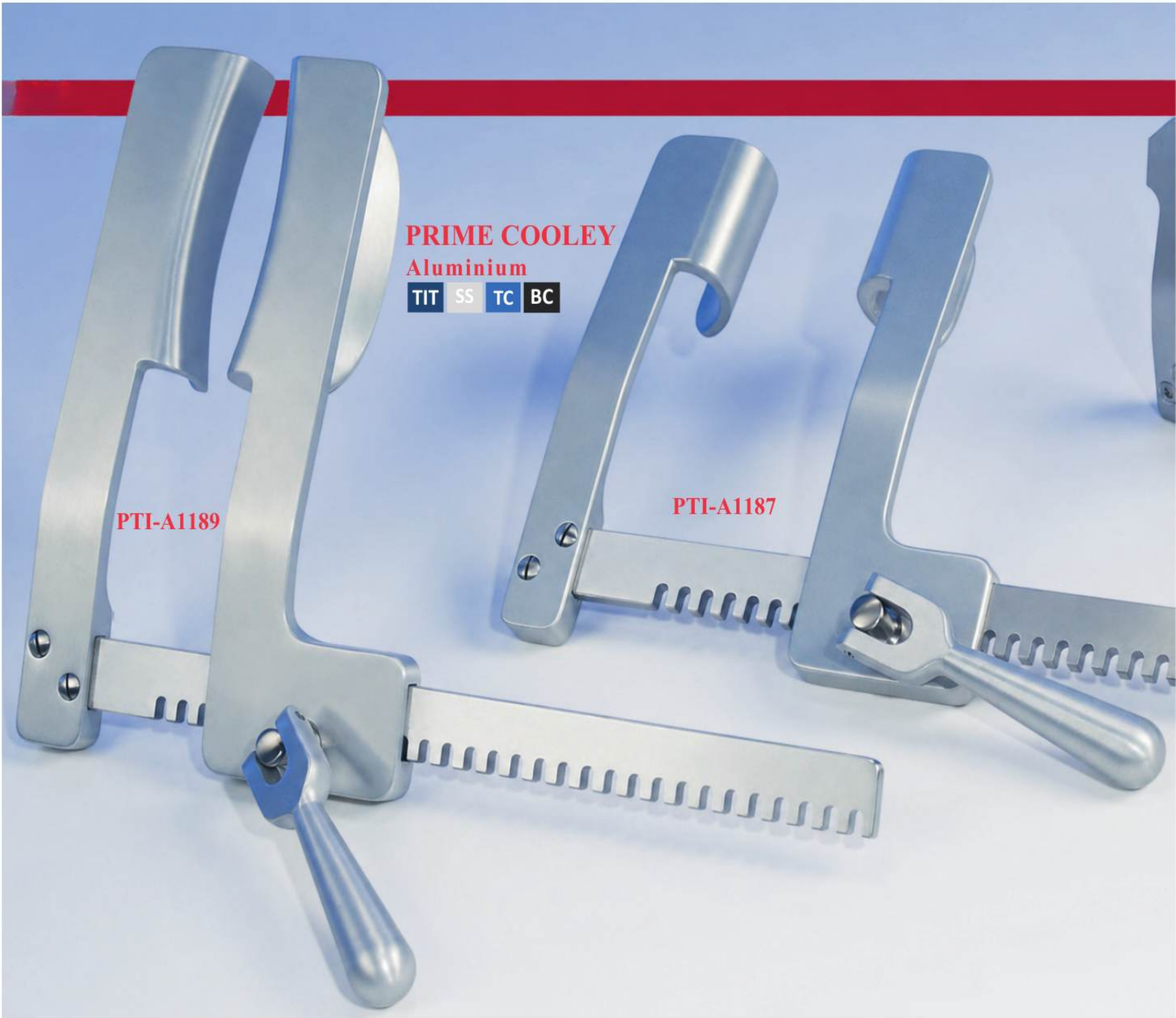
The specific gravity of Aluminium is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminium are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminium is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.

PRIME FINOCHIETTO

Aluminium Steel	Fig.	A	B	C	D
PTI-A1169 PTI-A1170	ML	30 mm	45 mm	140 mm	110 mm
PTI-A1171 PTI-A1172	L	42 mm	62 mm	175 mm	140 mm
PTI-A1173 PTI-A1174	XL	75 mm	65 mm	175 mm	140 mm



PRIME RIB SPREADERS

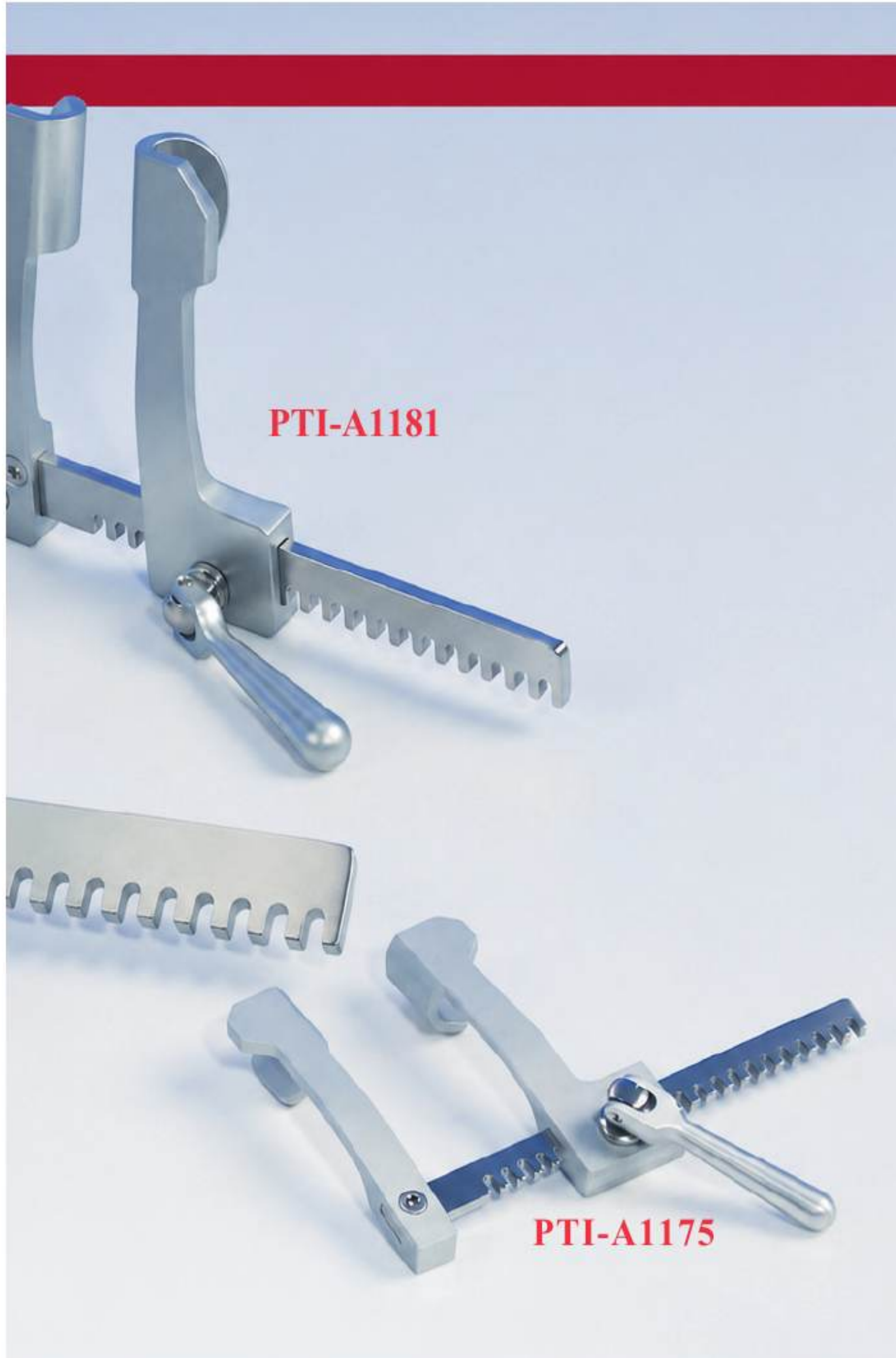


PRIME COOLEY
Aluminium
TIT SS TC BC

PTI-A1189

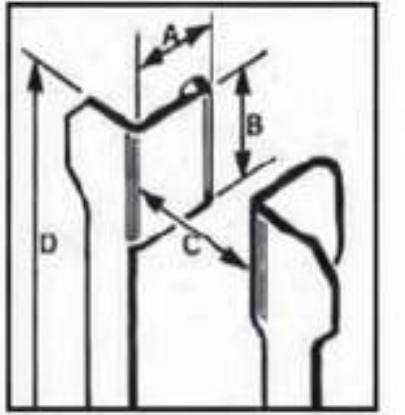
PTI-A1187

PRIME RIB SPREADERS



Aluminium

The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.



PRIME COOLEY

Fig.	A	B	C	D
XS	12 mm	15 mm	70 mm	55 mm
S	14 mm	16 mm	80 mm	55 mm
SM	15 mm	20 mm	100 mm	80 mm
M	15 mm	30 mm	110 mm	80 mm
ML	20 mm	45 mm	140 mm	110 mm
L	30 mm	50 mm	135 mm	145 mm
L	30 mm	50 mm	185 mm	145 mm
XL	35 mm	100 mm	180 mm	170 mm
XXL	35 mm	115 mm	230 mm	205 mm

• with suture holder

PTI-A1193	PTI-A1194	XL	35 mm	100 mm	180 mm	180 mm
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• with stabilizing pins in blade

PRIME RIB SPREADERS



PRIME MORSE

Aluminium

PTI-A1202

TIT SS TC BC

TIT SS TC BC

PRIME MORSE-FAVALORO

Aluminium

PTI-A1196

PRIME MOD. FINOCHIETTO

Aluminium

PTI-A1195

TIT SS TC BC

PRIME RIB SPREADERS

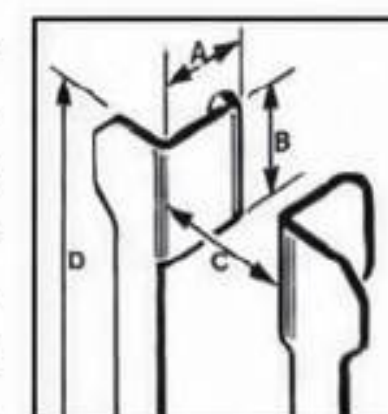


TIT SS TC BC
PRIME MORSE MOD. USA
Stainless Steel
PTI-A1201

TIT SS TC BC
PRIME MORSE
Stainless Steel
PTI-A1207

Aluminium

The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminum requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.



PRIME Mod. Finochietto

Aluminium	Fig.	A	B	C	D	blades
PTI-A1195	S	10 mm	15 mm	120 mm	105 mm	2x2

PRIME Morse-Favaloro

Aluminium	Steel	Fig.	A	B	C	D	blades
PTI-A1196	PTI-A1197	M	12 mm	20 mm	155 mm	120 mm	2x2
PTI-A1198	PTI-A1199	L	40 mm	20 mm	155 mm	175 mm	2x2

PRIME Morse Mod. USA

Aluminium	Steel	Fig.	A	B	C	D	blades
PTI-A1200	PTI-A1201	M	20 mm	20 mm	155 mm	120 mm	2x2
PTI-A1202	PTI-A1203	L	20 mm	28 mm	210 mm	155 mm	2x2

PRIME Morse

Aluminium	Steel	Fig.	A	B	C	D	blades
PTI-A1204	PTI-A1205	M	20 mm	20 mm	155 mm	120 mm	2x2
PTI-A1206	PTI-A1207	L	20 mm	28 mm	210 mm	155 mm	2x2
PTI-A1208	PTI-A1209	L	30 mm	28 mm	210 mm	155 mm	2x2
PTI-A1210	PTI-A1211	L	42 mm	28 mm	210 mm	155 mm	2x2
PTI-A1212	PTI-A1213	XL	30 mm	35 mm	200 mm	195 mm	3x3

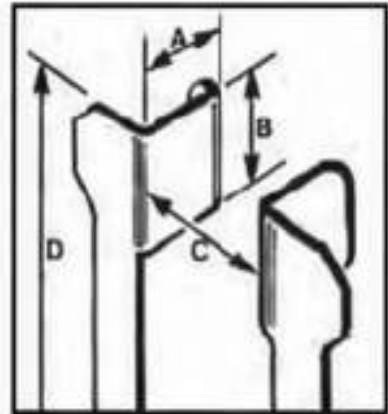
**PRIME SURGICAL INTERNATIONAL®**

PRIME RIB SPREADERS





PRIME RIB SPREADERS



Aluminium
The specific gravity of Aluminum is very low (2.7), approximately only one third of steel (7.8). Therefore, products made of Aluminum are very lightweight. At the same time it has a high tensile strength, which makes it so suitable as durable structural material for spreading instruments. Aluminum is also non-magnetic, corrosion-resistant and recyclable. The surface of our Aluminium Rib Spreaders is anodized for a smooth non-glare appearance. Aluminium requires the use of non-alkaline, neutral cleaning agents in combination with fully demineralized water for cleaning and sterilization. Otherwise damages to the anodized surface are possible. Many of our Aluminium Rib Spreader models are also available in stainless steel alternatively, usually identified by ".RS" behind the article number.

PRIME BURFORD-FINOCHIETTO WITH 2 PAIRS OF BLADES		FIG	A	B	C	D
Aluminium	Steel					
PTI-A1214	PTI-A1215	ML	41 mm 30 mm	42 mm 42 mm	130 mm	117 mm
PTI-A1216	PTI-A1217	L	45 mm	62 mm	165 mm	200 mm
PTI-A1218	PTI-A1219	XL	65 mm	62 mm	250 mm	200 mm
PTI-A1220	PTI-A1221	L	45 mm	62 mm	290 mm	200 mm
		XL	65 mm	62 mm		

PRIME RIB SPREADERS



PRIME RIB SPREADERS



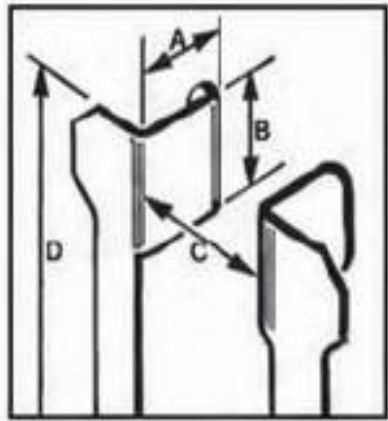


PRIME RIB SPREADERS



TIT SS TC BC
PRIME SELLORS (UK)
Stainless Steel

PTI-A1229



PRIME ANKENY					
Aluminium	Fig.	A	B	C	D
PTI-A1222	M	20 mm	20 mm	160 mm	115 mm
Steel					
PTI-A1223 XXL		33 mm	35 mm	180 mm	300 mm

optional extra blades			
PTI-A1224	42 mm	35 mm	
PTI-A1225	52 mm	35 mm	
Spare Springs (Set of 4)			
PTI-A1226			

PRIME DEBAKEY WITH 3 PAIRS OF BLADES					
Steel		A	B	C	D
PTI-A1227	XL	40 mm	100 mm	200 mm	225 mm
		50 mm	80 mm		
		60 mm	60 mm		
PTI-A1228	ML	50 mm	50 mm	150 mm	180 mm
		40 mm	40 mm		
		30 mm	30 mm		

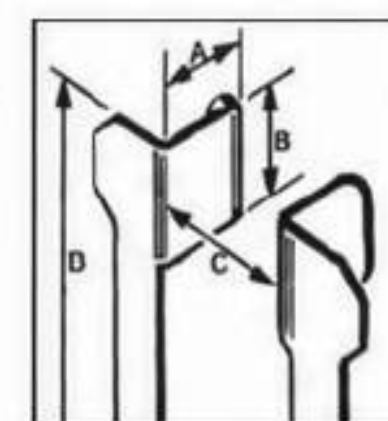
PRIME SELLORS (UK) WITH 3 PAIRS OF BLADES AND KEY					
Steel	Fig.	A	B	C	D
PTI-A1229	L	38 mm	50 mm	200 mm	195 mm
		45 mm			
		65 mm			



PRIME RIB SPREADERS



PRIME RIB SPREADERS


PRIME PREMIE WITH 2 PAIRS OF BLADES

Titanium	FIG	A	B	C	D
PTI-A1230	XS	15 mm 15 mm	10 mm 20 mm	52 mm	40 mm

**PRIME CASTANEDA
Aluminium Steel**

	FIG	A	B	C	D
PTI-A1231 PTI-A1232	XS	16 mm	30 mm	65 mm	55 mm
PTI-A1233	S	12 mm	45 mm	73 mm	80 mm
PTI-A1234	M	15 mm	60 mm	100 mm	125 mm

PRIME SPERONI-ALEXI INFANT WITH 2X4 BLADES

Steel	FIG	A	B	C	D
PTI-A1235	S	20 mm 30 mm	20 mm 20 mm	135 mm	120 mm

PRIME ALEXI TAVI

PTI-A1236	M	40 mm 50 mm	20 mm 20 mm	135 mm	120 mm
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Size adjustable with free positionable blades. Usable with 2, 3 or 4 blades. Gently rounded for suture protection.

PRIME EUFRATE-PASQUÉ FLIP-OVER STYLE

Steel	FIG	A	B	C	D
PTI-A1237	XS	16 mm	30 mm	65 mm	75 mm
PTI-A1238	S	18 mm	45 mm	80 mm	90 mm
PTI-A1239	M	18 mm	45 mm	90 mm	100 mm
PTI-A1240	L	18 mm	55 mm	90 mm	85 mm



PRIME RIB SPREADERS

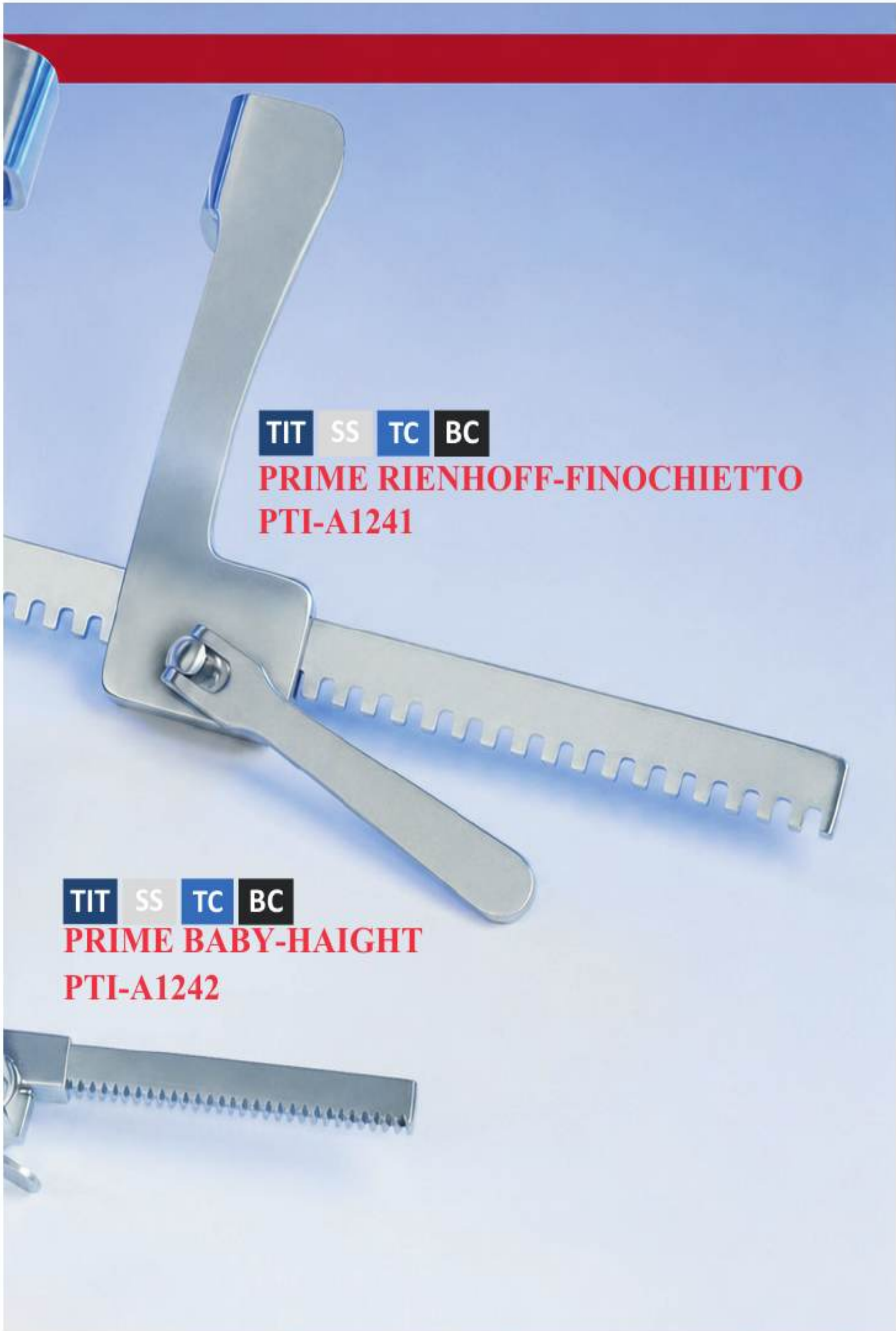


TIT SS TC BC
PRIME MINI THORACOTOMY
PTI-A1245

PTI-A1244
PRIME TUFFIER
TIT SS TC BC

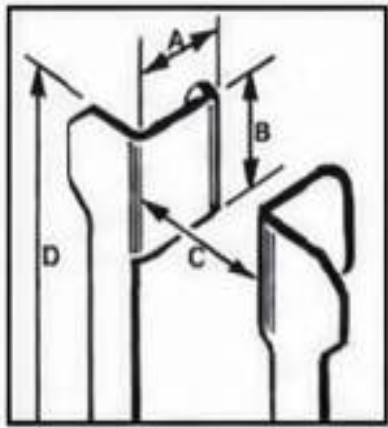


PRIME RIB SPREADERS



TIT SS TC BC
PRIME RIENHOFF-FINOCHIETTO
PTI-A1241

TIT SS TC BC
PRIME BABY-HAIGHT
PTI-A1242



PRIME RIENHOFF-FINOCHIETTO

Art.-No.	Fig.	A	B	C	D
PTI-A1241	M	20 mm	25 mm	150 mm	110 mm

PRIME BABY-HAIGHT

Art.-No.	Fig.	A	B	C	D
PTI-A1242	S	30 mm	30 mm	85 mm	70 mm
PTI-A1243	M	30 mm	30 mm	120 mm	90 mm

PRIME TUFFIER

Art.-No.	Fig.	A	B	C	D
PTI-A1244	ML	42 mm	45 mm	170 mm	110 mm

PRIME MINI-THORACOTOMY

Art.-No.	A	B	C	D
PTI-A1245	38 mm	12 mm	70 mm	90 mm

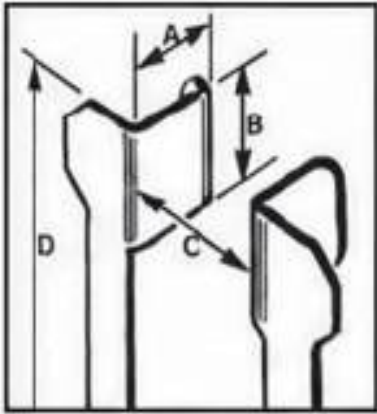


PRIME RIB SPREADERS





PRIME RIB SPREADERS



PRIME AMATO NEONATAL STERNAL RETRACTORS

Secifically designed by Joseph J. Amato (Rush University Medical Center, Chicago, U.S.A.) for use in the infant or small child surgery, the Amato neonatal sternal retractors* are designed to assist in avoiding bowing of the chest by spreading pressure over 2 or 3 points, rather than only one area. The selection of three sizes with arm length of 4 cm, 5.9 cm and 8.9 cm provides flexi-bility in matching retractor size to the incision.

Art.-No.	Fig.	A	B	C	D	blades
PTI-A1246	SM	14 mm	13 mm	70 mm	89 mm	6
PTI-A1247	S	14 mm	13 mm	70 mm	59 mm	4
PTI-A1248	XS	10 mm	10 mm	60 mm	40 mm	4

* as specified by Joseph J. Amato, Rush University Medical Center, Chicago, Illinois, U.S.A.

PRIME VALVEGATE MINIMALLY INVASIVE VALVE SURGERY



PRIME VALVEGATE

MINIMALLY INVASIVE

VALVE SURGERY


PRIME VALVEGATE MINI-THORACOTOMY RETRACTORS PTI-A1249

Retractor with straight arms, 40 x 60 mm blades with turnable crossbar (detachable) for accessories

Recommended Accessories:

Extra turnable crossbar		PTI-A1250
Cooley Atrial Hook small, rigid	20 mm	PTI-A1251
Fixation Clamp	Ø 6 mm	PTI-A1252

PRIME VALVEGATE MINI-THORACOTOMY RETRACTOR PTI-A1253

Retractor with curved arms, 36 x 60 mm blades with strong spreading bar and turnable crossbar (detachable) for accessories*

PRIME VALVEGATE MINI-THORACOTOMY RETRACTOR PTI-A1254

Retractor with hinged arms, 2 x 2 exchangeable parallel blades 36 x 38 mm and 36 x 52 mm, turnable crossbar (detachable) for accessories

PRIME VALVEGATE MINI-THORACOTOMY PTI-A1255

Retractor with hinged arms, 2 x 2 exchangeable tubular 40 x 50 mm and 40 x 70 mm, turnable crossbar (detachable) for accessories*

PRIME VALVEGATE MINI-THORACOTOMY PTI-A1256

Retractor with hinged arms, 3 x 2 exchangeable tubular 40 x 30 mm, 40 x 50 mm and 40 x 70 mm, turnable crossbar (detachable) for accessories

* shown with PTI-A0166 and PTI-A0168 (not included)

** also available with fenestrated blades. Add „M“ behind article number.

PRIME RETRACTORS, LUNG SPATULAS

PRIME CRAWFORD VASCULAR HOOKS

Art.-No.	Fig	Lenght cm/''	Size mm
PTI-A1257 1		19/7½	15 x 15
PTI-A1258 2		19/7½	15 x 23

PRIME HARRINGTON SPLANCHNIC RETRACTOR

Art.-No.	
PTI-A1259	127 x 40 mm, 32 cm
PTI-A1260	127 x 62 mm, 32 cm

PRIME ALLISON LUNG SPATULAS

Art.-No.	Lenght cm/''	Size mm
PTI-A1261	32/12½	for adults
PTI-A1262	26/10¼	for children



PRIME CRAWFORD

Vascular Hooks

TIT SS TC BC

PRIME HARRINGTON

Splanchnic Retractor

TIT SS TC BC

PRIME ALLISON

Lung Spatulas

TIT SS TC BC



PRIME LUNG SPATULAS



PRIME ALLISON EXTRA LARGE LUNG SPATULA		
Art.-No.	Length	Size mm
PTI-A1263	30 cm/12"	137
PRIME SLADE BABY-ALLISON LUNG SPATULA		
Art.-No.	L	
PTI-A1264	42 mm	
PTI-A1265	23 mm	
PRIME WALTON COPPER RETRACTORS/ ABDOMINAL SPATULAS		
Art.-No.	Length	Size mm
PTI-A1266	20 cm/8"	6
PTI-A1267	20 cm/8"	8
PTI-A1268	20 cm/8"	10
PTI-A1269	20 cm/8"	12
PTI-A1270	20 cm/8"	17
PTI-A1271	20 cm/8"	20
PTI-A1272	20 cm/8"	25
PTI-A1273	25 cm/10"	25
PTI-A1274	33 cm/13"	20
PTI-A1275	33 cm/13"	25
PTI-A1276	33 cm/13"	30
PTI-A1277	33 cm/13"	35
PTI-A1278	33 cm/13"	40
PTI-A1279	33 cm/13"	50
PTI-A1280	33 cm/13"	75



PRIME RETRACTOR

PRIME TUDOR-EDWARDS (UK)		
Art.-No.	Lenght	Size mm
PTI-A1281	16.5 cm/6 1/2"	45 x 50
PRIME BROCK'S (UK)		
Art.-No.	Lenght	Size mm
PTI-A1282	19 cm/7 1/2"	13 x 29
PRIME BROMPTON (UK)		
Art.-No.	Lenght	Size mm
PTI-A1283	19 cm/7 1/2"	13 x 26



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PRIME RETRACTOR



PRIME CLELAND'S
(UK) LEAFLET
RETRACTOR
TIT SS TC BC



PRIME BROCK'S
(UK) RETRACTORS
TIT SS TC BC



PRIME LANGENBECK
(UK) RETRACTORS
TIT SS TC BC

PRIME CLELAND'S (UK) LEAFLET RETRACTOR		
Art.-No.	Length	Size
PTI-A1284	25 cm/10"	10 mm
PRIME BROCK'S (UK) RETRACTORS		
Art.-No.	Lenght	Size
PTI-A1285	19 cm/72"	5 mm
PTI-A1286	19 cm/72"	10 mm
	19 cm/72"	12 mm
PRIME LANGENBECK (UK) RETRACTORS		
Art.-No.	Lenght	Size
PTI-A1287	20.5 cm/8"	6 x 22 mm
		12 x 45 mm
		25 x 62 mm
PTI-A1288	20.5 cm/8"	18 x 90 mm



PRIME LUNG SPATULAS

PRIME DEAVER

TIT SS TC BC

PRIME DEAVER

Art.-No.	Fig.	Length	Size mm
PTI-A1289	000	19 cm/7½"	19 mm
PTI-A1290	00	22 cm/8½"	22 mm
PTI-A1291	0	25 cm/10"	25 mm
PTI-A1292	1	30 cm/12"	25 mm
PTI-A1293	2	33 cm/13"	25 mm
PTI-A1294	212	36 cm/14¼"	25 mm





PRIME LUNG SPATULAS



PRIME DEAVER			
Art.-No.	Fig.	Length	Size mm
PTI-A1295	3	30 cm/12"	38 mm
PTI-A1296	4	30 cm/12"	50 mm
PTI-A1297	5	30 cm/12"	75 mm
TIT	SS	TC	BC



PRIME RETRACTOR

PRIME TRACHEA

TIT SS TC BC

PRIME MORSE

TIT SS TC BC

Trachea		
Art.-No.	Fig.	Length
PTI-A1298	A	16 cm/6¼"
PTI-A1299	B	16 cm/6¼"
PTI-A1300	C	16 cm/6¼"
PTI-A1301	D	16 cm/6¼"
PTI-A1302	E	16 cm/6¼"
PTI-A1303	F	16 cm/6¼"
PTI-A1304	G	16 cm/6¼"
PTI-A1305	H	16 cm/6¼"
Morse		
Art.-No.	A	Length
PTI-A1306	10 mm	23 cm/9"
PTI-A1307	20 mm	23 cm/9"
PTI-A1308	30 mm	23 cm/9"
PTI-A1309	40 mm	23 cm/9"
PTI-A1310	50 mm	23 cm/9"





PRIME RIB SPREADERS

PRIME FINOCHIETTO RIB SPREADER

Sternum and rib spreader with interchangeable blades.

TIT SS TC BC



PTI-A0233

PTI-A0234

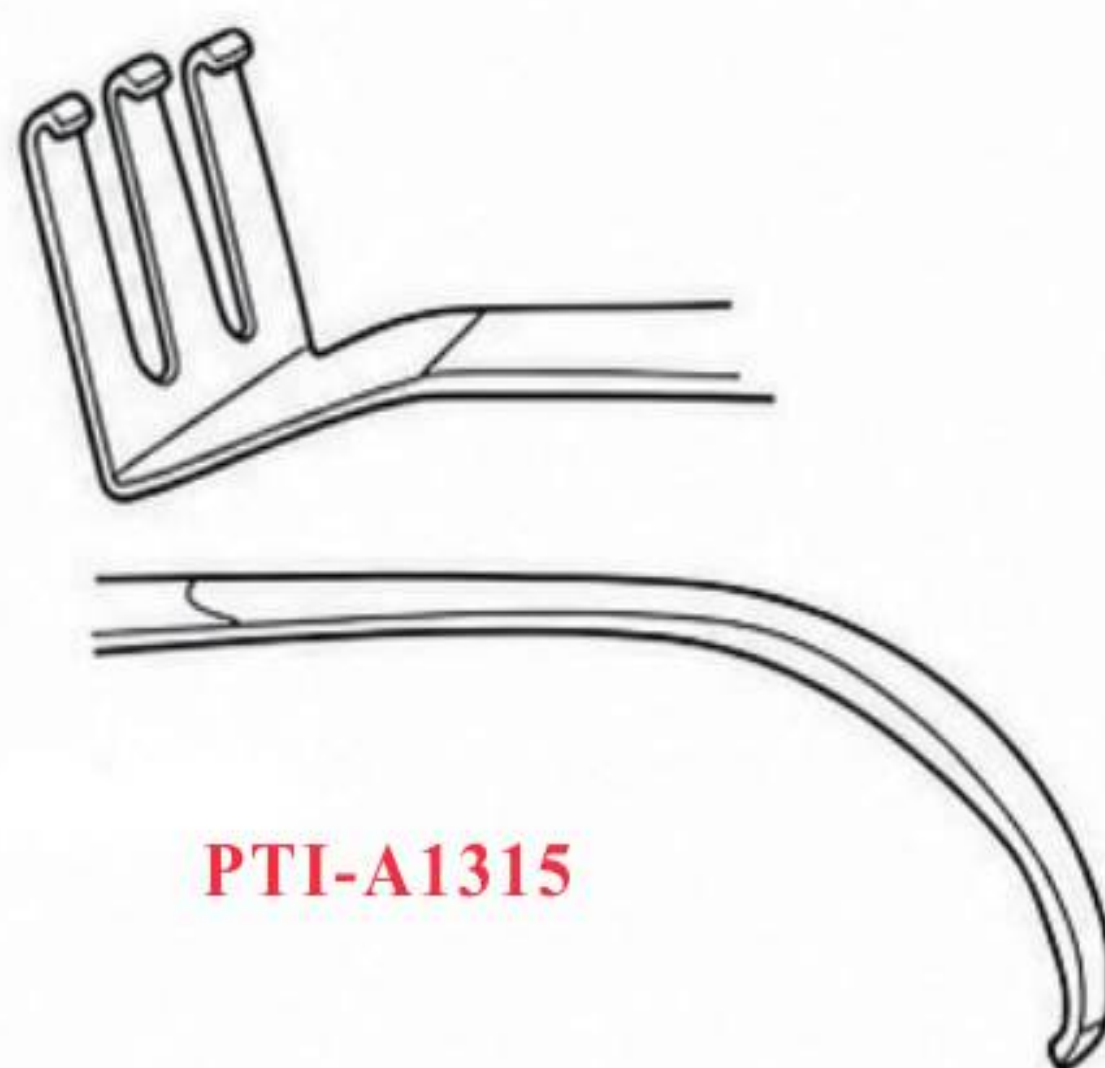
PTI-A1311	Self-retaining	with blades 50x50 mm
PTI-A1312	Blades	1 pair 50x50 mm
PTI-A1313	Blades	1 pair 80x50 mm
PTI-A1314	Blades	1 pair 30x100 mm



PRIME TRACHEA RETRACTORS

PRIME CARLENS TRACHEA RETRACTOR Double-ended trachea retractor.

TIT SS TC BC



PTI-A1315 Double-ended 22 cm 8.75"



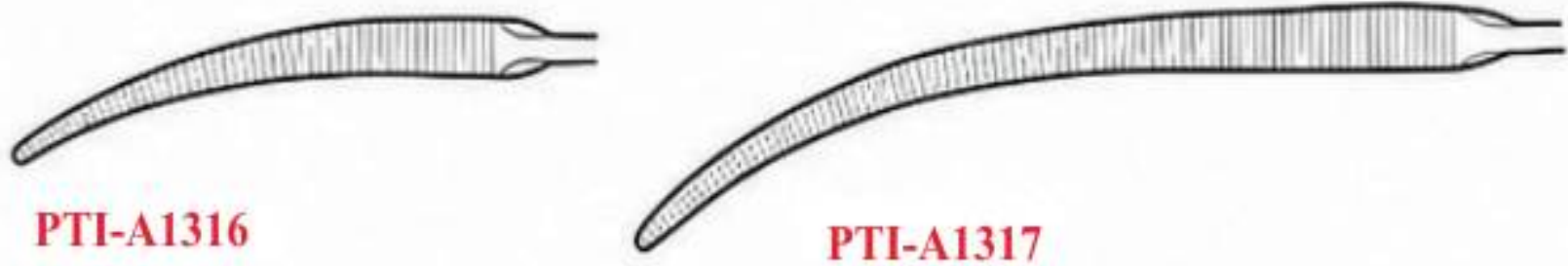


PRIME ARTERY FORCEPS

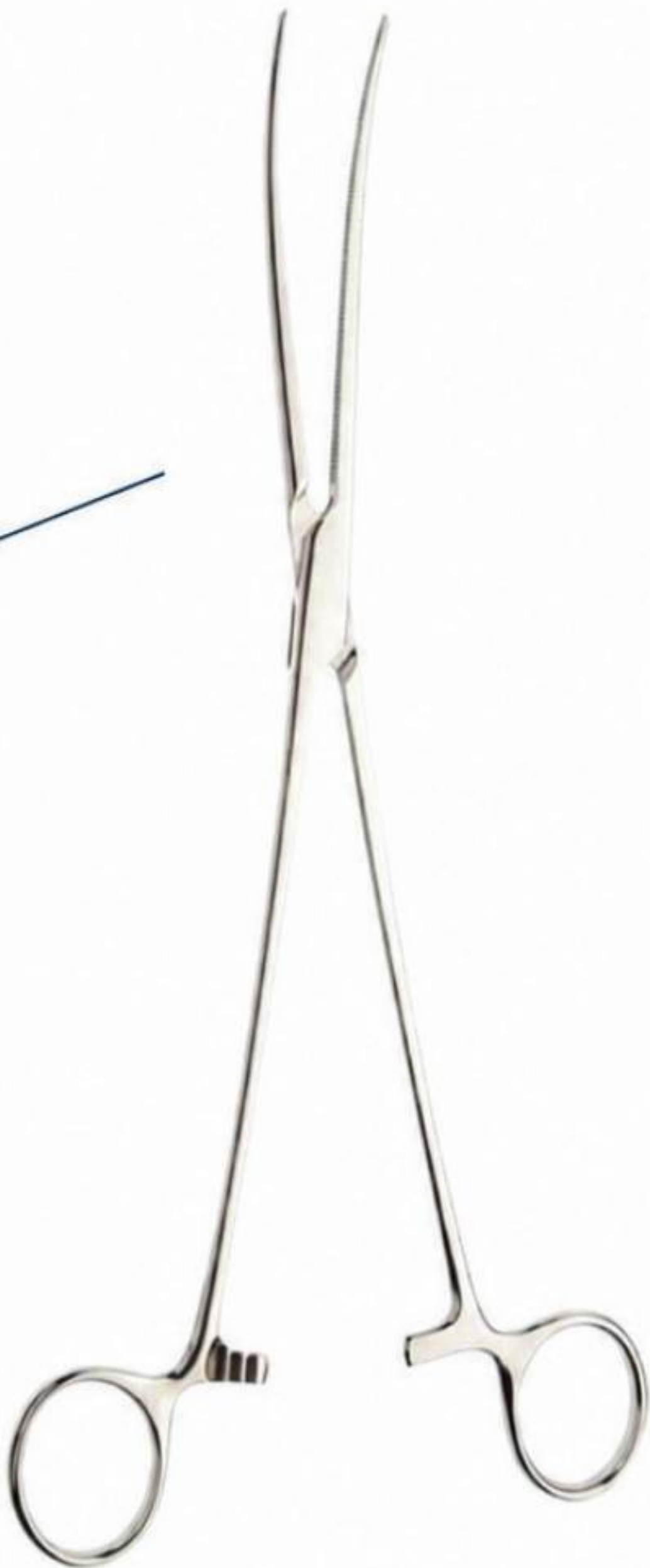
PRIME CRAFOORD ARTERY FORCEPS

TIT SS TC BC

Designed for thoracic and cardiovascular surgery. The fine tips make this a very useful instrument. Offers the surgeon Mosquito type tips, but with a length that allows working in a deep cavity.



PTI-A1316	Curved	18 cm 7"
PTI-A1317	Curved	24 cm 9.5"



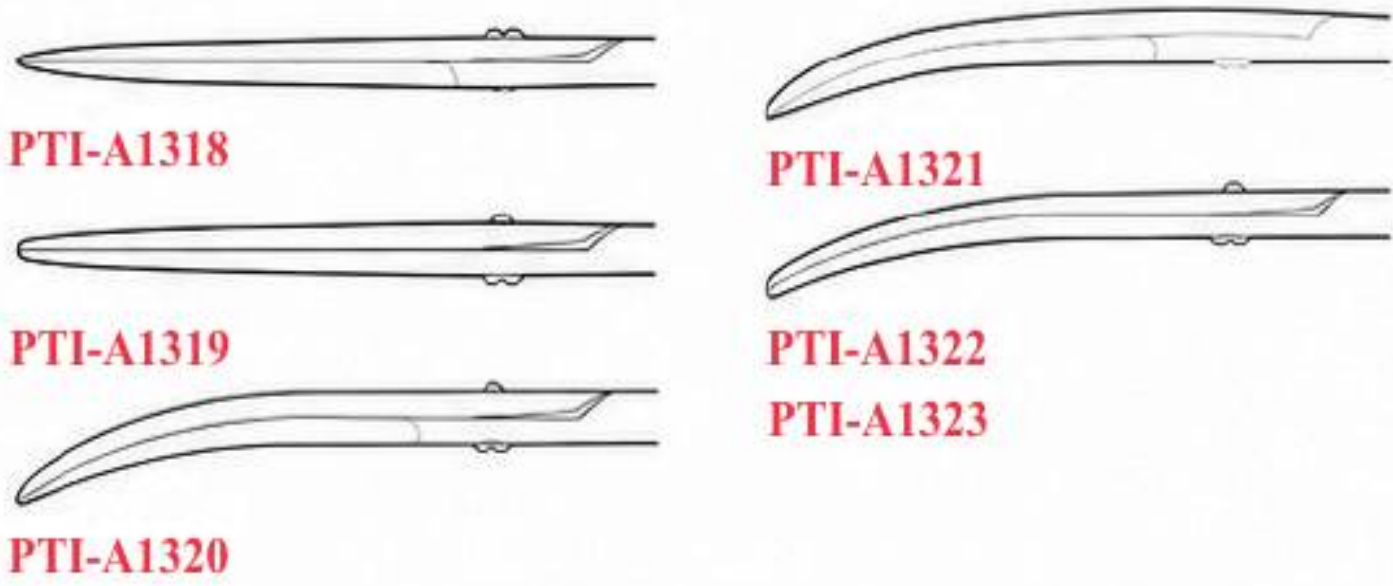


PRIME OPERATING SCISSOR'S

RIME COOPER OPERATING SCISSORS

eneral purpose utility scissors, often used for sutures, gauze etc. Beveled blades.

TIT SS TC BC



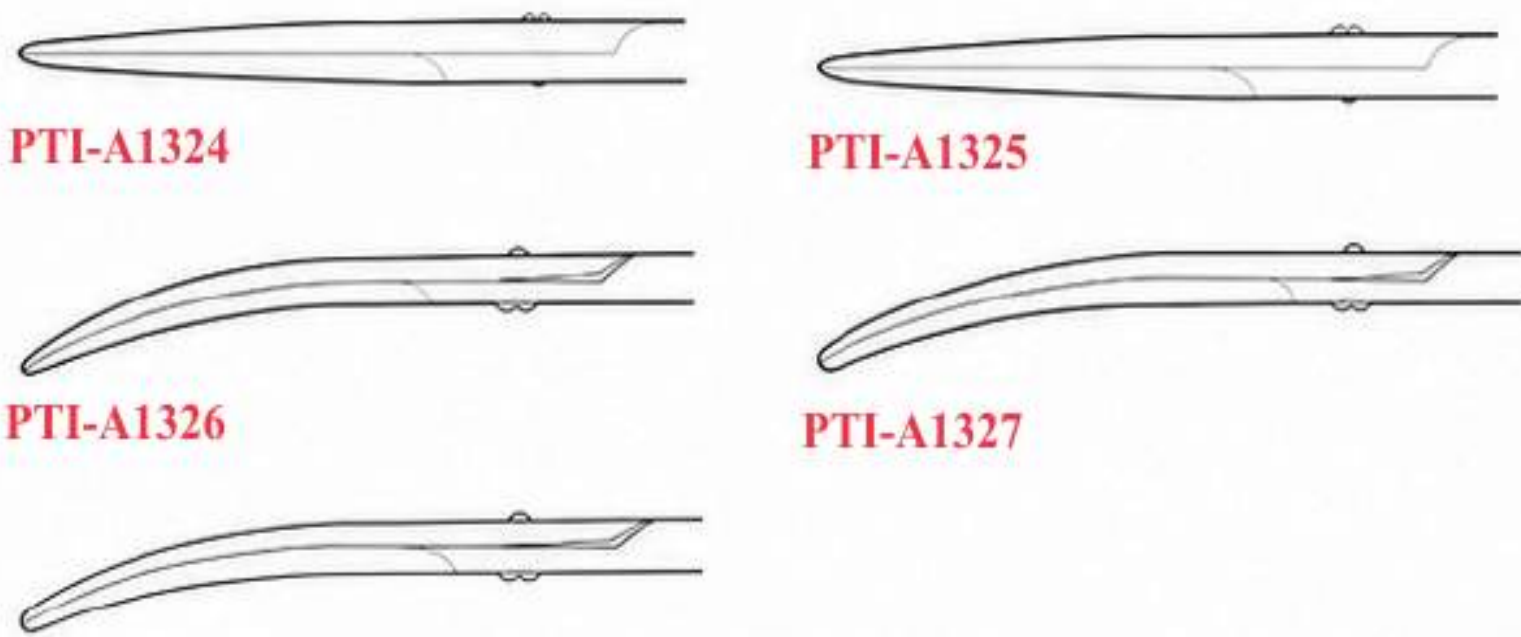
PTI-A1318	Sharp/blunt	Straight	15 cm 6"
PTI-A1319	Blunt/blunt	Straight	15 cm 6"
PTI-A1320	Sharp/blunt	Curved	13.5 cm 5.25"
PTI-A1321	Sharp/blunt	Curved	15 cm 6"
PTI-A1322	Blunt/blunt	Curved	15 cm 6"
PTI-A1323	Blunt/blunt	Curved	18 cm 7"



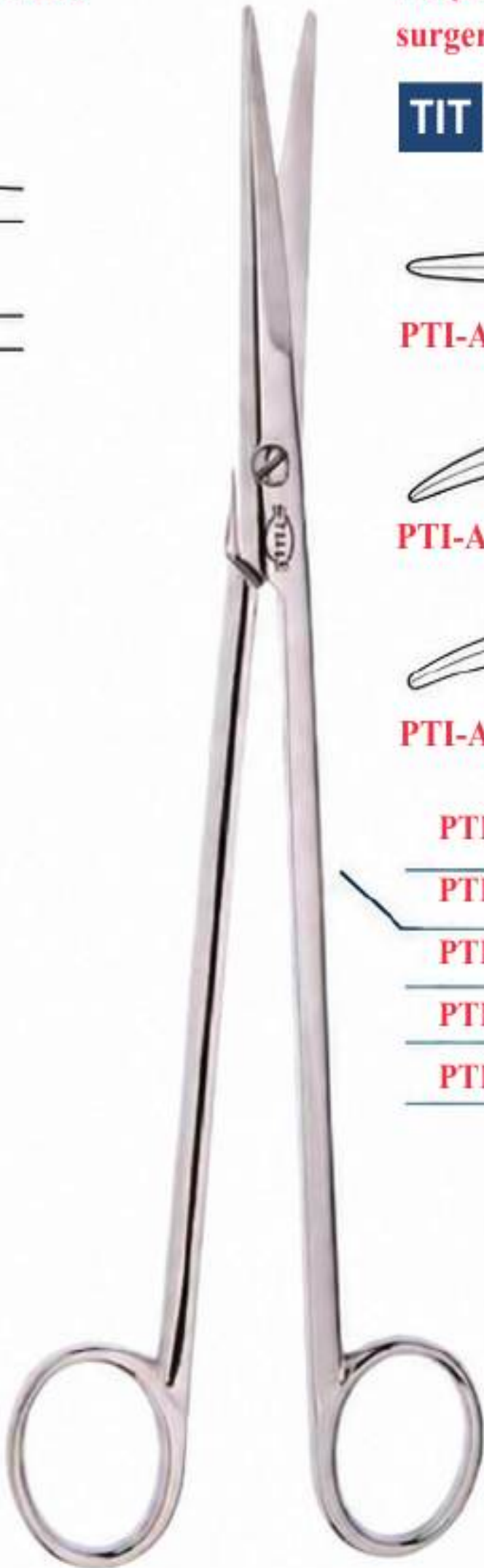
PRIME MAYO-HARRINGTON OPERATING SCISSORS

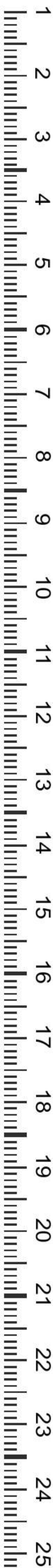
Very useful operating scissors for deep surgery like gynecology and thoracic surgery. Beveled blades.

TIT SS TC BC



PTI-A1324	Straight	20 cm 8"
PTI-A1325	Straight	23 cm 9"
PTI-A1326	Curved	20 cm 8"
PTI-A1327	Curved	23 cm 9"
PTI-A1328	Curved	30 cm 12"



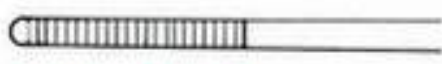


PRIME DRESSING FORCEPS

PRIME CRAFOORD DRESSING FORCEPS

TIT SS TC BC

Dressing forceps with rounded points. The perfect balance and delicate grip gives this instrument a true feeling.



PTI-A1329



PTI-A1330

PTI-A1329	Serrated	20 cm 8"
PTI-A1330	Diamond jaws	20 cm 8"



PRIME WAUGH-BROPHY DRESSING FORCEPS

TIT SS TC BC

Dressing forceps with very fine points and two different jaw surfaces. The cross-serration gives excellent holding power.



PTI-A1331



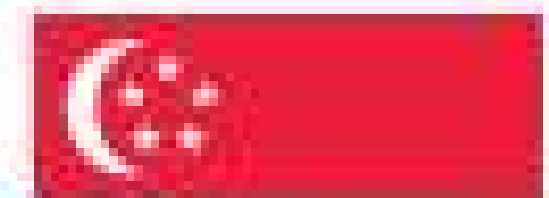
PTI-A1332
PTI-A1333

PTI-A1331	Cross-serrated	20 cm 8"
PTI-A1332	Diamond jaws	20 cm 8"
PTI-A1333	Diamond jaws	25 cm 10"





PRIME SURGICAL INTERNATIONAL PTE. LTD.



UEN No.: 202553158M

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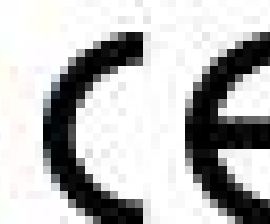
📞 Phone / WhatsApp: +65 9004 6134

✉️ Emails: ziaprimesurgical@gmail.com | info@primesurgicalinternational.com |

zia@primesurgicalinternational.com

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Best regards,
Zia Ur Rahman
CEO – PRIME Surgical International PTE. LTD



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PLASTIC SURGERY INSTRUMENTS 	CARDIAC SURGICAL INSTRUMENT 	ORTHOPEDIC IMPLANTS INSTRUMENT 	BEAUTY INSTRUMENTS



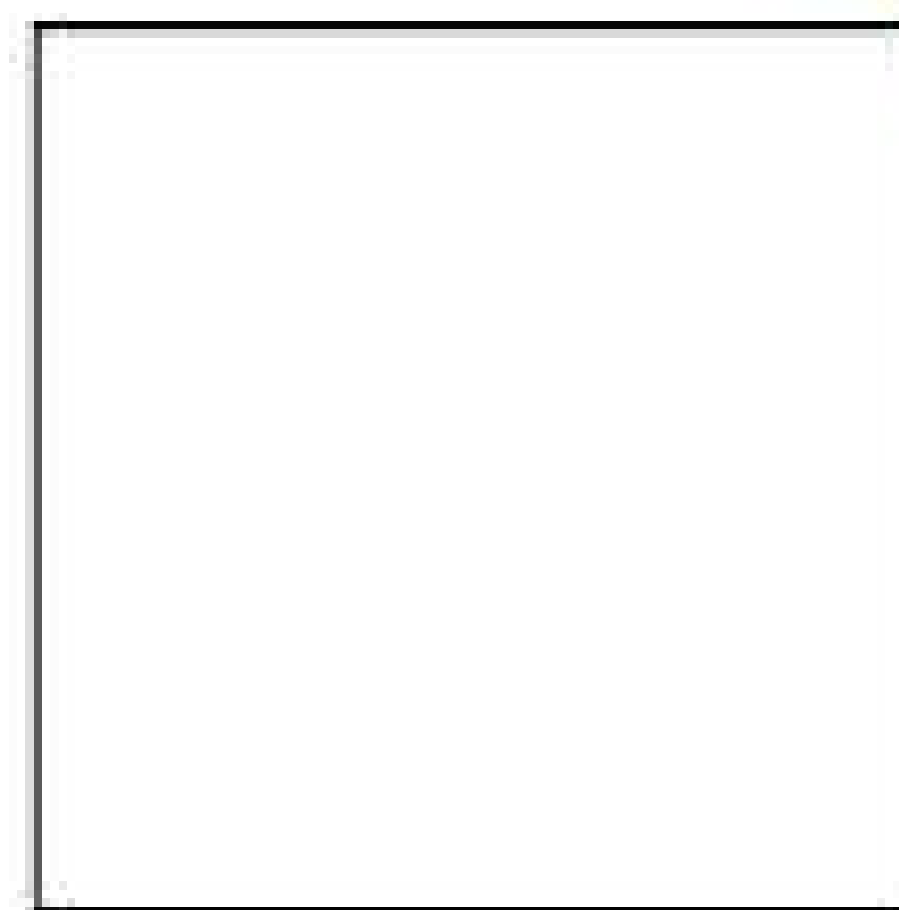
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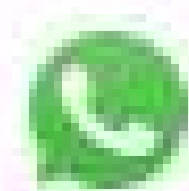
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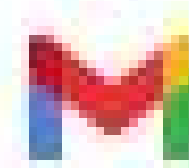
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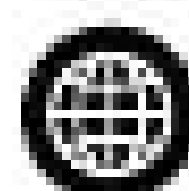
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