E.P.Si.T. – Endoscopic Pilonidal Sinus Treatment

The pilonidal sinus is an acute or chronic inflammatory process in the subcutaneous adipose tissue, often occurring in the sacrococcygeal region. E.P.Si.T. – Endoscopic Pilonidal Sinus Treatment – proceeds in two phases. In the first – diagnostic – phase, the sinus cavity and the sinus tracts are examined. The aim of the second – therapeutic – phase is to ablate the abscess cavity and to eliminate the fistula. Both phases are performed under direct endoscopic control.

Special Features:

- E.P.Si.T. can be performed in an outpatient setting
- Ablation of the abscess cavity and elimination of the fistula under direct vision
- High patient satisfaction
- Straightforward, safe, effective and reproducible method of treatment
- Instruments can also be used to treat anal fistulas (VAAFT technique)
<table>
<thead>
<tr>
<th>Code</th>
<th>Product Description</th>
</tr>
</thead>
</table>
| 24511 | **Fistulectomy Set,** including:  
Fistuloscope 8°, angled eyepiece, outer diameter 3.3 x 4.7 mm, working length 18 cm  
Handle  
Obturator  
Wire Tray for Cleaning, Sterilization and Storage  
Sealing Cap “Endoscopic Seal”, sterile, package of 10 |
| 100020-10* | **Sealing Cap “Endoscopic Seal”,** for working channels of 4-10 Fr. instruments, sterile, for single use, package of 10 |
| 24515 | **Coagulation Electrode,** unipolar, for fistulectomy, 7 Fr., length 53 cm |
| 24514 | **Fistula Brush,** including:  
3-ring Handle  
Outer Sheath  
Fistula Brush Insert, outer diameter 4 mm, unsterile, for single use  
Fistula Brush Insert, outer diameter 4.5 mm, unsterile, for single use  
Fistula Brush Insert, outer diameter 5 mm, unsterile, for single use |
| 30251KJ | **CLICKLINE REDDICK-OLSEN Grasping Forceps,** rotating, dismantling, insulated, with connector pin for unipolar coagulation, with Luer-Lock irrigation connector for cleaning, double action jaws, size 2 mm, length 30 cm  
including:  
Plastic Handle, without ratchet, with larger contact area at the finger ring  
Outer Sheath, with working insert |

**Sources:**
1. AWMF Summary of the S3 Guidelines 081/009: Sinus pilonidalis  
2. Endoscopic Pilonidal Sinus Treatment: A Prospective Multicentre Trial. P. Meinero et al., 2016  
3. Endoscopic Pilonidal Sinus Treatment, Giarratano G et al., 2017

*To view the application video, please scan the QR code*
The VAAFT technique is suitable for the surgical treatment of complex anal fistulas and recurrences. VAAFT – Video Assisted Anal Fistula Treatment – proceeds in two phases. The purpose of the first – diagnostic – phase is to inspect the fistula pathway and to locate the internal fistula opening. The goal of the second – therapeutic – phase is the complete destruction of the fistula epithelium. Both phases are performed under direct endoscopic control.

Special Features:

- Exact localization of the internal fistula opening under visual control
- Complete elimination of the fistula from the inside
- Minimal postoperative trauma
- Significant time and cost-saving potential
- Fully autoclavable
Fistulectomy Set,
including:
Fistuloscope 8°, angled eyepiece, outer diameter 3.3 x 4.7 mm, working length 18 cm
Handle
Obturator
Wire Tray for Cleaning, Sterilization and Storage
Sealing Cap “Endoscopic Seal”, sterile, package of 10

100020-10*
Sealing Cap “Endoscopic Seal”, for working channels of 4-10 Fr. instruments, sterile, for single use, package of 10

Coagulation Electrode, unipolar, for fistulectomy, 7 Fr., length 53 cm

Fistula Brush,
including:
3-ring Handle
Outer Sheath
Fistula Brush Insert, outer diameter 4 mm, unsterile, for single use
Fistula Brush Insert, outer diameter 4.5 mm, unsterile, for single use
Fistula Brush Insert, outer diameter 5 mm, unsterile, for single use

CLICKLINE REDDICK-OLSEN Grasping Forceps, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, double action jaws, size 2 mm, length 30 cm
including:
Plastic Handle, without ratchet, with larger contact area at the finger ring
Outer Sheath, with working insert

Source:
TEO® – Transanal Endoscopic Operations

The minimally invasive transanal platform for the treatment of rectal neoplasia

Transanal Endoscopic Operations (TEO®) combines the minimal invasiveness of an intervention via a natural body orifice (NOTES) with the precision of resection under endoscopic microsurgery.

Special Features:

- Available in lengths of 7.5, 15 and 20 cm
- Compatible with all standard camera systems for laparoscopy
- Mechanical holding arm enables the platform to be placed in a very stable position
Working lengths 7.5 and 15 cm

24941BA **HOPKINS® Forward-Oblique Telescope 30°**, angled eyepiece, diameter 5 mm, length 21 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

24942TK **TEO® Operating Rectoscope Tube**, outer diameter 40 mm, working length 7.5 cm, with handle for holding system, LUER-Lock connector for vapor evacuation

24942T **Same**, working length 15 cm

24942OK **TEO® Obturator**, for use with TEO® Operating Rectoscope Tube 24942TK

24942O **Same**, for use with TEO® Operating Rectoscope Tube 24942T

24942AK **TEO® Working Attachment**, with attachment for HOPKINS® Telescope 24941BA, 2 channels for instrument size 5 mm and 1 channel for instruments up to size 12 mm, for use with TEO® Operating Rectoscope Tube 24942TK

24942A **Same**, for use with TEO® Operating Rectoscope Tube 24942T

Working length 20 cm

24941BAL **HOPKINS® Forward-Oblique Telescope 30°**, angled eyepiece, diameter 5 mm, length 28 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

24942TL **TEO® Operating Rectoscope Tube**, outer diameter 40 mm, working length 20 cm, with handle for holding system, LUER-Lock connector for vapor evacuation

24942OL **TEO® Obturator**, for use with TEO® Operating Rectoscope Tube 24942TL

24942AL **TEO® Working Attachment**, with attachment for HOPKINS® Telescope 24941BAL, 2 channels for instruments size 5 mm and 1 channel for instruments up to size 12 mm, for use with TEO® Operating Rectoscope Tube 24942TL

25370KG **Dissection Hook Electrode**, proximally and distally bent downwards, needle-shaped

25351MG **CLICKLINE Dissecting and Grasping Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, jaws offset downwards, 2 x 4 teeth, size 5 mm, length 36 cm

**Holding system – U-shaped**

28272RLD **Holding System**, U-shaped, **autoclavable**, with quick release coupling KSLOCK

Further instruments for transanal surgery can be found in the Proctology catalog.
TEO® Platform with Flexible Working Attachment and High-Flow Adaptor – B-PORT

TEO® (Transanal Endoscopic Operations) combines the minimal invasiveness of an intervention via a natural orifice (NOTES) with the precision of resection under visual control. In cooperation with Prof. Luigi Boni, Milan, Italy, it was possible to optimize the TEO® platform for TaTME (Transanal Total Mesorectal Excision).

Special Features:

- Flexible working attachment
- Instruments up to size 15 mm can be used
- High-flow insufflation adaptor
- Straight distal end
- Suitable for TaTME
24942TKG **TEO® Operating Rectoscope Tube**, outer diameter 40 mm, working length 7.5 cm, straight distal end, with handle for holding system, LUER-Lock connector for vapor evacuation

24942OK **TEO® Obturator**, for use with Operating Rectoscope Tube 24942TK/24942TKG

24943S **TEO® High-Flow Adaptor**, for S-PORT seal

23030SA **S-PORT Seal**, 4x access 3 mm, 5 mm or 13-15 mm

28272RLD **Holding System**, U-shaped, **autoclavable**, with quick release coupling KSLOCK

33362ON **CLICKLINE Grasping Forceps**, rotating, dismantling, without connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, with especially fine atraumatic serration, fenestrated, size 5 mm, length 36 cm including:

- **Metal Handle**, with ratchet, with large contact area
- **Metal Outer Sheath**, insulated
- **Forceps Insert**

26775C **CADIERE Coagulation and Dissection Electrode**, insulated sheath, with connector pin for unipolar coagulation, L-shaped, with cm-marking, distal tip tapered, size 5 mm, length 36 cm

For use with:

- A standard telescope in size 5 mm or 10 mm, e.g., HOPKINS® Forward-Oblique Telescope 30°, diameter 5 mm, length 50 cm (art. no. 26048BSA)

- Standard instrumentation for laparoscopy or alternatively with instruments specially adapted for Transanal Endoscopic Operations (jaws offset downwards)

Further telescopes and standard instrumentation for laparoscopy can be found in the Laparoscopy catalog.

Instruments specially adapted for Transanal Endoscopic Operations can be found in the Proctology catalog.
D-PORT

The reusable D-PORT was designed and optimized for transanal surgery. It is also possible to perform Transanal Total Mesorectal Excision (TaTME) with this platform.

Special Features:
- Simultaneous CO₂ insufflation and smoke/gas evacuation possible
- Flexible sealing cap
- Small outer diameter of 30 mm
- Free choice of telescopes (5 mm or 10 mm)
- Reusable and thus cost-effective

To view the application video, please scan the QR code.
24944TS | DAPRI D-PORT Operating Rectoscope System
including:
- DAPRI Operating Rectoscope Tube
- Obturator
- Seal

24944SA | Seal, for DAPRI operating rectoscope tube, 3x access 5 mm, 10 mm and/or 13-15 mm
including:
- Sealing Cap
- 3x Reducers, 13/5 mm and 13/3 mm
- Reducer, 13/10 mm
- Valve Seal, for instruments size 5 and 5.5 mm, package of 10
- Valve Seal, for instruments size 10 mm, package of 10

26003BA | HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 10 mm, length 31 cm,
autoclavable, fiber optic light transmission incorporated,
color code: red

23125ONG | CLICKLINE Dissecting and Grasping Forceps, non-rotating, dismantling, insulated,
with connector pin for unipolar coagulation, with Luer-Lock irrigation connector for cleaning,
single action jaws, fenestrated, with especially fine serration, DAPRI sheath curve, size 5 mm
including:
- Metal Handle, without ratchet, with 4 locking positions
- Outer Sheath, with working insert

23775CLG | Coagulation and Dissection Electrode, L-shaped tip, DAPRI sheath curve, size 5 mm

Further instruments for use with the D-PORT can be found in ENDOWORLD® PRO 5
“D-PORT – A new reusable platform for transanal laparoscopic surgery”.
Retrieval Tube

For avoiding minilaparotomy in laparoscopic colon resection

Laparoscopic techniques in colorectal resection have become increasingly established in recent years as a standard procedure in colorectal surgery\(^1,2\) although a minilaparotomy is still necessary to recover the specimen. With the development of a retrieval tube, which is introduced transanally, it is possible to avoid minilaparotomy and thus significantly reduce the morbidity of the abdominal wall in the form of wound infections, postoperative pain and the formation of abdominal hernias\(^3\).

Special Features:

- Anatomically adapted shape
- The flexible working insert allows instrument use with the minimal loss of CO\(_2\)

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3 Brockhaus AC, Polit D, Lindlohr C, Saad S (2016) Transanal extraction vs. minilaparotomy for laparoendoscopic left-sided colon resection
For retrieval of resected tissue, we recommend the following grasping forceps from our product portfolio:

- **Retrieval Tube**, for retrieval of resected tissue, for use with Obturator 23040O, Adaptor 23040A, ENDOCONE Port Attachment 23010AS and S-PORT Seal 23030SA
- **Obturator**, for use with Retrieval Tube 23040T
- **Adaptor**, for use with ENDOCONE Port Attachment 23010AS and Retrieval Tube 23040T
- **ENDOCONE Port Attachment**, for use with S-PORT Seal 23030SA
- **S-PORT Seal**, 4x access 3 mm, 5 mm or 13-15 mm

**CLICKLINE Dissecting and Grasping Forceps**, rotating, with connector pin for unipolar coagulation, size 5 mm, length 36 cm, atraumatic, fenestrated, double action jaws, consisting of:

- **Plastic Handle** with disengageable ratchet, with larger contact area
- **Outer Tube**, insulated
- **Forceps Insert**

Further instruments can be found in the Laparoscopy catalog.
ENDOFLATOR® 50 and S-PILOT® – An Ideal Combination

The ENDOFLATOR® 50 creates ideal prerequisites for optimal insufflation with smoke gas management. To make full use of the excellent flow rate provided by the insufflator, appropriate accessories are required.

Special Features:

- Gas heating adapts to various ambient conditions and helps to prevent telescope fogging
- Creates optimal viewing conditions and a stable OR field, even in small cavity surgery
UI500S1  **ENDOFLATOR® 50 SCB**, with integrated SCB module,
   power supply 100-240 VAC, 50/60 Hz
   including:
   **SCB Connecting Cable**, length 100 cm
   **Universal Wrench**
   **Heated Insufflation Tubing Set**, with gas filter, sterile, for single use,
   package of 3

UP501S1  **S-PILOT®**, including footswitch, power supply 100-240 VAC, 50/60 Hz
   including:
   **One-Pedal Footswitch**
   **Tubing Set Suction**, sterile, for single use, package of 5
   **SCB Connecting Cable**, length 100 cm

031210-10* **Insufflation Tubing Set with Gas Filter**, length 300 cm, heatable, hydrophobic on both sides,
sterile, for single use, package of 10, for use with ENDOFLATOR® 50

031447-10* **Tubing Set for Smoke, Gas and Fluid Suction**, with connector for second suction tube,
sterile, for single use, package of 10, for use with S-PILOT®, for laparoscopy

031111-10* **Smoke Evacuation Filter**, unsterile, for single use, package of 10

UP004  **S-PILOT® Connecting Cable**, diameter 3.5 mm, length 300 cm,
   for use with AUTOCON® III 400, ConMed System 2450 or 5000

UP005  **S-PILOT® Connecting Cable**, diameter 2.5 mm, length 300 cm,
   for use with Valleylab Force Triad or Valleylab Force FX

* STERILE

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Highlights PROCTOLOGY | 1-2020
Rectoscope for Video Documentation – RECTOVISION® with Sliding Cap

The combination of laparoscopic and rectoscopic technologies permits visualization and documentation of the intraluminal conditions in patients undergoing coloproctological interventions. RECTOVISION® is intended for use in both outpatient settings and surgical departments.

Special Features:

- Clear, high-resolution display of even the finest details
- Fully reusable; long service life
- Can be used with all 10 mm telescopes – also in conjunction with NIR/ICG for intraluminal perfusion assessment
- Airtight sliding cap
24912K HEINKEL Rectoscope Tube, outer diameter 20 mm, working length 20 cm including:
Obturator

24920 Illumination Head, for HEINKEL rectoscope tubes, with fiber optic light transmission, LUER-Lock hub for rubber insufflation bulb

24886SOW Airtight Sliding Cap, for centering a 10 mm telescope in HEINKEL rectoscope tubes ≥ 20 mm during documentation

30103CS Telescope Stopper, size 11 mm, sterile, for single use, package of 12

40924 Rubber Insufflation Tube, with detachable tube, with LUER-Lock including:
Rubber Tube

031123-10* Gas Filter, for fluid irrigation, with male LUER-Lock connector and female LUER-Lock connector, sterile, for single use, package of 10

26003AA HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 10 mm, length 31 cm, autoclavable, fiber optic light transmission incorporated, color code: green

or

26003ARA HOPKINS® RUBINA 0°, NIR/ICG, straight forward telescope, enlarged view, diameter 10 mm, length 31 cm, autoclavable, for indocyanine green (ICG), fiber optic light transmission incorporated, color code: green

Note: The gas filter is positioned between the rubber ball and the rubber tube to prevent instrument contamination. Reprocessing of the rubber tube is nevertheless required when using Filter 031123-10*.
KARL STORZ TROIDL SILVER SCOPE® Flexible Rectoscope

The flexible TROIDL SILVER SCOPE® rectoscope combines the fundamental advantages of flexible endoscopy with the application possibilities of rectoscopy.

Special Features:

- Short working length of 40 cm
- Inversion up to 210° improves visualization compared to rigid rectoscopy and, consequently, diagnostic and therapeutic options thanks to forward and retrograde viewing
- Field of application especially suited for surgical conditions and procedures in the rectal area
- Possibility to combine rigid and flexible endoscopy thanks to modular IMAGE1 S™ camera platform
13912PKSK  TROIDL Rectoscope, Set, flexible, 11.8 mm x 40 cm, color system PAL,
Direction of view: 0°
Sheath diameter: 11.8 mm
Working channel diameter: 3.4 mm
Deflection up/down: 210°/120°
Deflection left/right: 120°/120°
Field of view: 140°
Working length: 40 cm

13912NKSK  Same, color system NTSC

For use with the following camera systems
- IMAGE1 S™
- IMAGE 1 HUB™ HD
- TELECAM/TELE PACK X GI

Please note:
One of the following videoendoscope adaptors is required to connect the flexible TROIDL Rectoscope 13912PKSK/13912NKSK to a camera control unit:

For use with IMAGE1 S™
TC001  IMAGE1 S™ Videoendoscopy Adaptor, color systems PAL/NTSC, length 60 cm, for use with IMAGE1 S™ X-LINK TC301

For use with IMAGE 1 HUB™ HD
22200077  Videoendoscope Adaptor, color systems PAL/NTSC, length 90 cm

For use with TELECAM/TELE PACK X GI
20213070  Videoendoscope Adaptor, for use between KARL STORZ videoendoscopes and TELECAM Camera Control Units (CCU) or TELE PACK video units

Further information on the TROIDL flexible rectoscope and other flexible endoscopes, e.g., gastroscopes and colonoscopes, is available in the Proctology catalog.
Further information on camera systems is available in the Telepresence catalog.
Documentation in Proctology

The mobile all-in-one solution TELE PACK X GI provides clear patient information for procto- and/or rectoscopic examinations. The flexible TROIDL resectoscope as well as the rigid systems PROCTOVISION® and RECTOVISION® allow the visualization and documentation of all examination and/or therapy steps.

Special Features:

- The mobile all-in-one solution combines a monitor, camera control unit, LED light source, data management and an insufflation pump in one unit
- Universal use in doctors’ offices, emergency rooms and intensive care units
- Flexible and rigid endoscopes can be easily connected with suitable adaptors
- As well as presenting clear patient information, the documentation can be an effective aid for proctological training
- The integrated network function allows straightforward export of patient images and videos to the hospital or practice network
Data Storage

USB Flash Drive

Network

TP200DE*

Patient Data Report

USB Printer

USB Silicone Keyboard

Rigid Endoscopy

Flexible Videoendoscopy

Adaptor, in combination with KARL STORZ light cables

Video Connecting Cable

Telecam One-Chip Camera Heads

Flexible Rectoscope

* Also available in the following languages: CH, D, ES, FR, IT, PL, PT, RU and SE

**Note:** We recommend the use of Adaptor 20045030 in combination with the KARL STORZ Light Cables 495NL and 495NAC.
Proctoscopes

KARL STORZ offers a wide range of proctoscopes in various sizes for rigid proctoscopy.

Special Features:

- Plastic obturator
- Completely reusable, durable
- With the proper working attachment can also be utilized for video-assisted proctoscopy and documentation
MORGAN Proctoscope Tube, available in the following sizes:

<table>
<thead>
<tr>
<th>MORGAN Proctoscope Tube with Obturator</th>
<th>Art. No.</th>
<th>Outer Diameter</th>
<th>Working Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>24950K</td>
<td>17 mm</td>
<td>6.5 cm</td>
<td></td>
</tr>
<tr>
<td>24951K</td>
<td>17 mm</td>
<td>8 cm</td>
<td></td>
</tr>
<tr>
<td>24952K</td>
<td>20 mm</td>
<td>6.5 cm</td>
<td></td>
</tr>
<tr>
<td>24953K</td>
<td>20 mm</td>
<td>8 cm</td>
<td></td>
</tr>
<tr>
<td>24956K</td>
<td>20 mm</td>
<td>15 cm</td>
<td></td>
</tr>
<tr>
<td>24954KK</td>
<td>24 mm</td>
<td>6.5 cm</td>
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<td>24955K</td>
<td>24 mm</td>
<td>8 cm</td>
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<tr>
<td>24959K</td>
<td>27 mm</td>
<td>7 cm</td>
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<tr>
<td>24957K</td>
<td>30 mm</td>
<td>8 cm</td>
<td></td>
</tr>
</tbody>
</table>

24960    Fiber Optic Light Carrier, with fiber optic light cable connector
25200    Swab Forceps, length 20 cm
25195    ARNOLD Fistula Hook, length 18 cm

Optional components for video-assisted proctoscopy (PROCTOVISION®),
for use with Proctoscope 24955K

24954F    Working Attachment, for use with MORGAN Proctoscope Tube 24955 and HOPKINS® Telescope 24954BA
24954BA   HOPKINS® Forward-Oblique Telescope 30°, eyepiece angled 45°, diameter 4 mm, length 9.5 cm, autoclavable, fiber optic light transmission incorporated, color code: red

Instrumentation for proctoscopy (e.g., instruments for hemorrhoid ligature) as well as suitable light sources and fiber optic light cables can be found in the Proctology catalog.
Rectoscopes

KARL STORZ offers a wide range of rectoscopes in various sizes for rigid rectoscopy.

Special Features:

- Completely reusable, durable
- Illumination head unit with fiber optic light cable connector
- With the proper working attachment can also be utilized for video-assisted rectoscopy and documentation
HEINKEL Rectoscope Tube, available in the following sizes:

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>24918K</td>
<td>12 mm</td>
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<td>24912K</td>
<td>20 mm</td>
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<tr>
<td>24916K</td>
<td>16 mm</td>
<td>20 cm</td>
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<tr>
<td>24913K</td>
<td>18 mm</td>
<td>30 cm</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

24920K \(^{\text{Illumination Head Unit}}\), for HEINKEL rectoscope tubes, with fiber optic light transmission, Luer-Lock hub for rubber insufflation bulb, including Glass Window Plug 24920FK

40924 Rubber Insufflation Bulb, with detachable tube, with Luer-Lock connector including:
- Rubber Bulb
- Rubber Tube

031123-10* Gas Filter, sterile, for single use, package of 10

25215 Sponge Forceps, working length 40 cm

25239 Suction Tube, with cut-off hole, working length 40 cm

34351B CLICKLINE Biopsy Forceps, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with Luer-Lock irrigation connector for cleaning, single action jaws, medium jaws, standard model for mucosal biopsy, size 5 mm, length 36 cm including:
- Plastic Handle, without ratchet, with large contact area
- Metal Outer Sheath, insulated
- Forceps Insert

Note: The gas filter is positioned between the rubber ball and the rubber tube to prevent instrument contamination. Reprocessing of the rubber tube is nevertheless required when using Filter 031123-10*.

Components for video-assisted rectoscopy (RECTOVISION®)

24995K Rectoscope Tube, outer diameter 20 mm, length 25 cm, Luer-Lock hub for rubber insufflation bulb and obturator

24995GA Working Attachment, with locking ring for Rectoscope Tube 24995 and 2 channels for instruments with diameters up to 5 mm

24995BA HOPKINS® Forward-Oblique Telescope 30°, eyepiece angled 45°, diameter 4 mm, length 28.5 cm, for use with Rectoscope Tube 24995 and Working Attachment 24995GA

Instrumentation for rectoscopy as well as suitable light sources and fiber optic light cables can be found in the Proctology catalog.
Hemorrhoid Treatment

KARL STORZ offers a wide range of suction ligature instruments for the treatment of hemorrhoids

Special Features:

- Available with integrated mechanical vacuum pump or with connector pin for external vacuum pump
- Replaceable, ergonomic handle
- Available with lateral or straight suction openings
It is recommended to check the suitability of the product for the intended procedure prior to use.

Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.

With integrated vacuum pump

25211NS Suction Ligature Instrument, for the treatment of hemorrhoids, suction opening diameter 10 mm, working length 14 cm, with integrated vacuum pump including:
  - Ligature Attachment
  - Handle
  - Loading Cone

25212NS Suction Ligature Instrument, for the treatment of hemorrhoids, suction opening diameter 8 mm, working length 19 cm, with integrated vacuum pump including:
  - Ligature Attachment
  - Handle
  - Loading Cone

With connector pin for external vacuum pump

25211N Suction Ligature Instrument, for the treatment of hemorrhoids, suction opening diameter 10 mm, working length 14 cm, with connector pin for external vacuum pump including:
  - Ligature Attachment
  - Handle
  - Loading Cone

25212N Suction Ligature Instrument, for the treatment of hemorrhoids, suction opening diameter 8 mm, working length 19 cm, with connector pin for external vacuum pump including:
  - Ligature Attachment
  - Handle
  - Loading Cone

Suitable Rubber Ligature Ring

25210RP Rubber Ligature Ring, extra strong, containing latex, package of 100

25210RL Rubber Ligature Ring, latex-free, package of 100
Shaping the Future of Endoscopy with you