

CDMO

PRODUCT CATALOGUE

Hebei Coury Medical Technology Inc.

TEL: 86-311-88882200

E-mail: kangyu@courymed.com

Web: www.courymedical.com

Address: 15 Chongyin Road, Zhengding Area, China (Hebei) Pilot Free Trade Zone, Hebei Province, China



COMPANY PROFILE



Coury Medical is a full-service OEM/CDMO partner for interventional medical devices, offering end-to-end lifecycle solutions from concept design and custom development to validation, regulatory support, and scalable manufacturing. Backed by strong technical expertise, a robust quality system, and industrial-scale production capabilities, we help our partners accelerate time to market, reduce development risk, and compete with confidence in global markets.



R&D and Manufacturing Base

112,000m²



Three Major R&D Centers

Beijing Shanghai Shijiazhuang



Class 10,000 Cleanrooms

9000m²



Self-Developed Product Lines

30+

Catalogue

Manufacturing Capability

Extrusion	02
Lamination	03
Balloon Forming and Assembly	04
Grinding and Welding	05
Injection Molding	06
EO Sterilization	07
OEM & ODM Service	08

Product Introduction

Guidewire	09
Catheter	17
Balloon	25
Access	30
Accessories	35

Molded Parts

Coury Medical has built integrated R&D and manufacturing capabilities across six product lines, including guidewires, catheters, sheath systems, balloons, stents, and accessories. With end-to-end in-house control from raw material processing to core technologies, Coury Medical delivers efficient and reliable solutions to its customers.



Extrusion

Lamination

Balloon Forming and Assembly

Grinding and Welding

Injection Molding

EO Sterilization

EXTRUSION

Materials

Expertise in processing more than 50 polymer materials, such as PA, TPU, PP, PE, PVC, FEP, ETFE, PEEK, and PI.

Technologies

Expertise in advanced extrusion processes, including co-extrusion, single-lumen and multi-lumen extrusion, braid-reinforced extrusion, profile extrusion, and overcoat extrusion.

Equipments

Equipped with five imported extrusion lines, including renowned U.S. co-extrusion twin-screw and precision extruders, enabling real-time control of product dimensions and temperature.

Production Experience

15 years of experience in polymer extrusion with in-depth knowledge of various materials and extrusion equipments.



LAMINATION

Braiding and Spring Winding

Braiding: 304 SS, Nitinol, Tungsten wire

Spring Winding: 304 SS

Braiding Parameters

PPI: 8-130

Braiding Method: 1 over 1 / 1 over 2, etc.

Equipments

Number of Braiding and Spring Winding Machines: 50

Lamination Method

Outer Layer: Multiple materials and colors available

Middle Layer: Braiding / Spring Winding / Braiding & Spring Winding

Inner Layer: PTFE



BALLOON FORMING AND ASSEMBLY

Balloon Materials

PA, PU, PEBAX, PET, blended materials, etc.

Balloon Types

Compliant balloons, semi-compliant balloons, non-compliant balloons, high pressure balloons and other special balloons.

Equipments

4 dedicated production lines built on U.S. Interface and BW-TEC forming platforms.

Production Experience

10 years' expertise in balloon forming and assembly.



GRINDING AND WELDING

Grinding Accuracy

Multi-segment core wire grinding achieves dimensional tolerances within ± 0.005 mm.

Guidewire Welding

Welded Dimensions: 0.014-0.038

Materials: Butt welding of stainless steel and nickel-titanium metal.

Equipments

Equipped with 4 imported grinding equipment, including American Royal Master Grinder.

Experience

Extensive experience in guidewire R&D and manufacturing.



INJECTION MOLDING

Molding and Inspection Equipment

Equipped with multiple imported machines to meet customers' requirements for precision and stability.

Experience

15 years experience in injection molding.



EO STERILIZATION

1. Sterilization is supported by a 1,575 m² Class A explosion-proof facility and a 1,800 m³ aeration chamber, ensuring compliant residual levels.
2. Two fully automated EO sterilization lines provide real-time monitoring and precise parameter control, enhancing sterilization efficiency and batch-to-batch consistency.
3. Sterilization activities are supported by a team with over 10 years of experience in sterilization operations and validation.
4. Capable of adjusting sterilization pressure from -80 kPa to 80 kPa, meeting diverse sterilization requirements for different products and packaging.
5. Utilizes PID control technology to achieve precise temperature and humidity regulation, and leverages a PLC + SCADA system architecture for real-time monitoring and data traceability, ensuring compliance with GMP and 21 CFR Part 11 (electronic records and electronic signatures) requirements.



PROVEN R&D EXPERTISE | OEM & ODM DEVELOPMENT AVAILABLE

Pushable Coil
Detachable Coil
Aspiration Thrombectomy Catheter
Coronary Cutting Balloon Catheter
Snare Kit
Snare Retrieval Kit
Vascular Closure Device
Peripheral Cutting Balloon Catheter
Embolectomy Balloon Catheter
Stent
Vascular Plug
Vena Cava Filter
Coronary Mammillary Balloon Dilatation Catheter
PTCA Balloon Dilatation Catheter



Guidewire

Angiographic Guidewire

Extra-Stiff Guidewire

Micro Guidewire

Peripheral Guidewire

Guidewire

Hydrophilic Guidewire

ANGIOGRAPHIC GUIDEWIRE

Outer Diameter: 0.014", 0.016", 0.018", 0.021"

Length: 165-300cm

Distal Curve: S0/A1/A2/A3/A4/J1/J2/J3



FEATURES

- The unique core wire grinding process ensures excellent dimensional stability.
- Reinforced shaft design made of SUS304 stainless steel, providing enhanced shaft stiffness for superior support in complex anatomies, with excellent torque response and controllability.
- PTFE-coated guidewire surface for easier handling during procedures.
- Excellent tip shaping retains its form even during prolonged procedures.

EXTRA-STIFF GUIDEWIRE

Outer Diameter: 0.035"

Length: 260cm

Distal Curve: Straight



FEATURES

- Full-length PTFE coating enhances lubricity and improves guidewire handling and control.
- SUS304 stainless steel core provides excellent supportability and torque response.
- Platinum-iridium alloy tip ensures superior radiopacity for clear radiopacity.
- Specially designed distal tip offers enhanced tactile feedback for precise manipulation.

MICRO GUIDEWIRE

Outer Diameter: 0.014", 0.016", 0.018", 0.021"

Length: 165-300cm

Distal Curve: S0/A1/A2/A3/A4/J1/J2/J3



FEATURES

- Excellent tip shape retention providing visibility and consistent tip performance.
- Integrated Nitinol core wire with a specially designed distal segment delivers precise 1:1 torque.
- Polymer-coated surface with hydrophilic coating ensures smooth advancement and crossability.

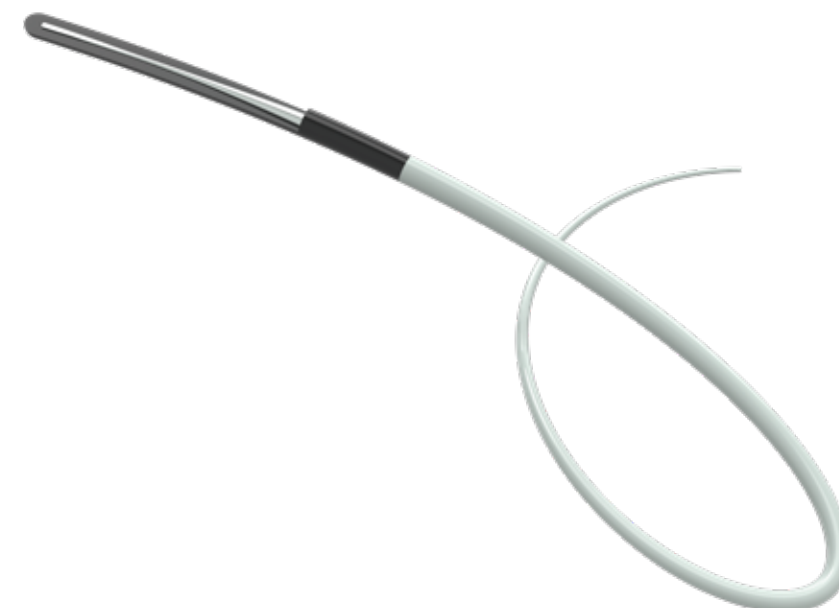
PERIPHERAL GUIDEWIRE

Outer Diameter: 0.018"

Length: 110/150/200/300 cm

Distal Curve: Straight

Tip Length: 8/12 cm



FEATURES

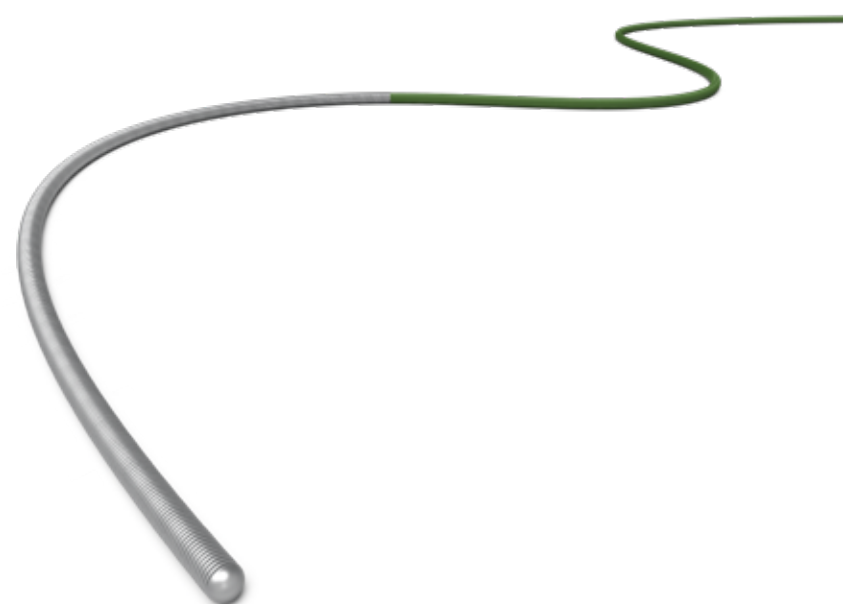
- Hydrophilic coating on the distal part enables smooth advancement, reduces vessel trauma, and provides excellent crossability.
- Tapered distal core wire grinding delivers excellent torque response to the distal tip.
- Soft distal tip minimizes the risk of vessel injury, ensuring procedural safety.
- Polymer-based shaft material offers adequate radiopacity for clear radiopacity.

GUIDEWIRE

Outer Diameter: 0.035"

Length: 145/190/300cm

Distal Curve: Straight



FEATURES

- 304 stainless steel construction provides excellent supportability.
- Special taper structure design helps reduce vessel trauma during advancement.
- PTFE-coated surface enhances lubricity, facilitating smooth device exchange.
- Delivers 1:1 torque for precise navigation in tortuous anatomy.

HYDROPHILIC GUIDEWIRE

Outer Diameter: 0.018", 0.025", 0.032", 0.035", 0.038"

Length: 80-350cm

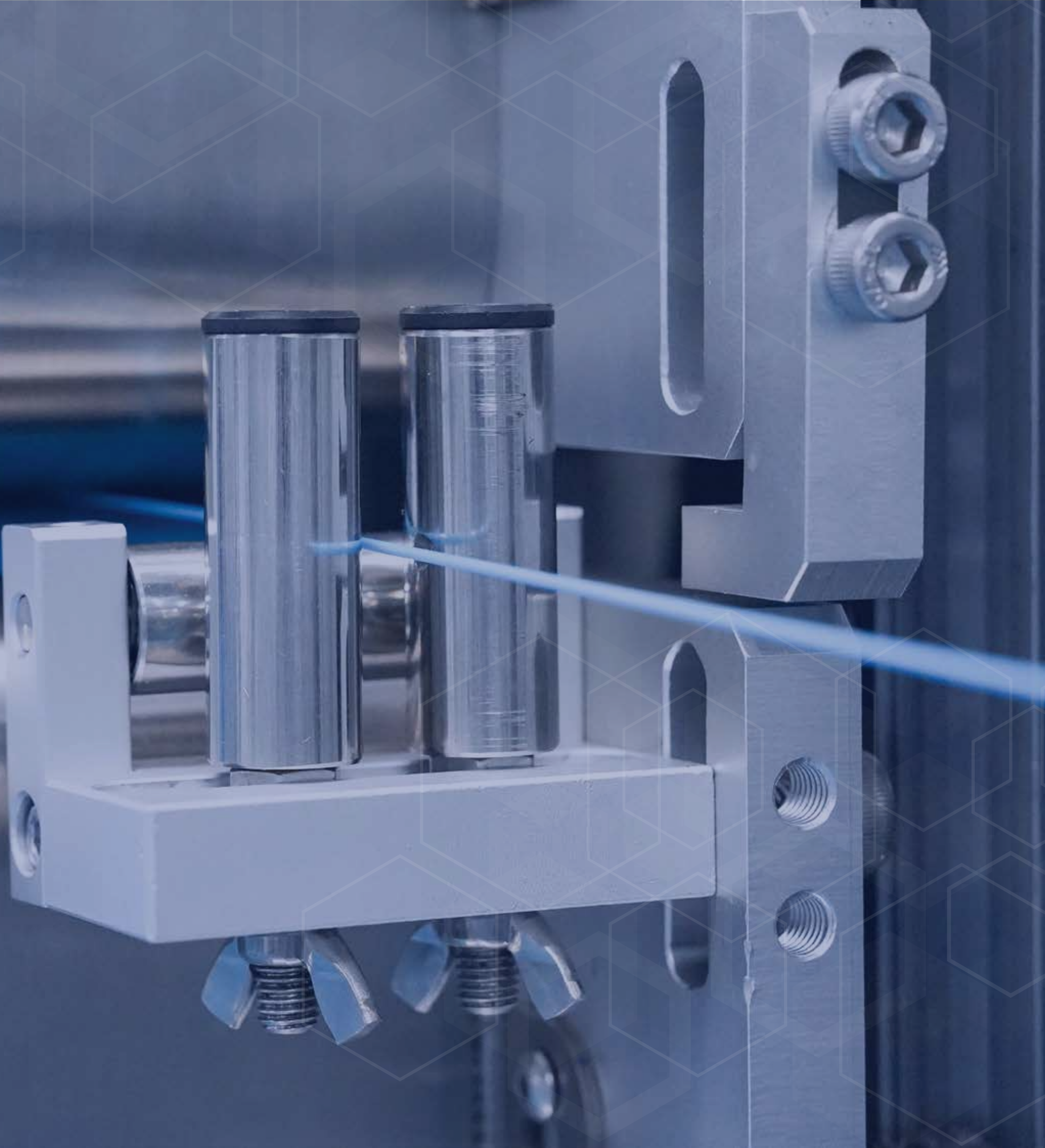
Distal Curve: GA/GS/GR/GN/GB/PA/PS

Tip Length: 10/30/50/80 mm



FEATURES

- Advanced hydrophilic coating provides durable lubricity, reducing friction and easing guidewire advancement through vessels.
- Tungsten-loaded outer layer enhances radiopacity for clear visualization and accurate positioning.
- Nitinol core wire resists kinking and delivers reliable, responsive torque control.
- Rounded, atraumatic tip enables safe access and helps minimize vessel injury.



Catheter

Angiographic Catheter

Guiding Catheter

Sizing Catheter

Support Catheter

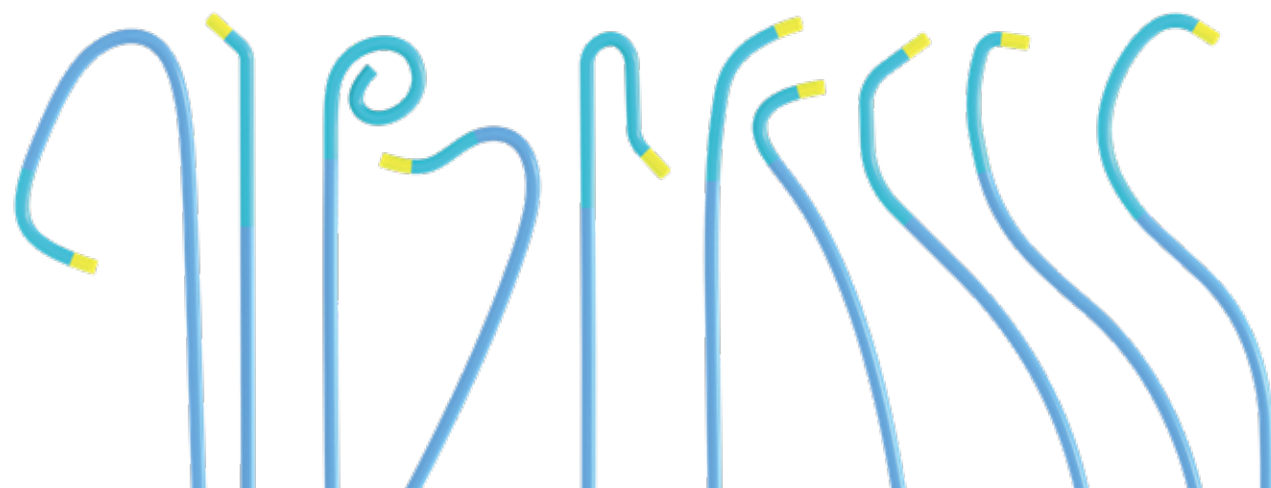
Micro Catheter

ANGIOGRAPHIC CATHETER

French Size: 4/5/6F

Length: 65/80/100/125cm

Distal Curve: A total of 105 distal types



FEATURES

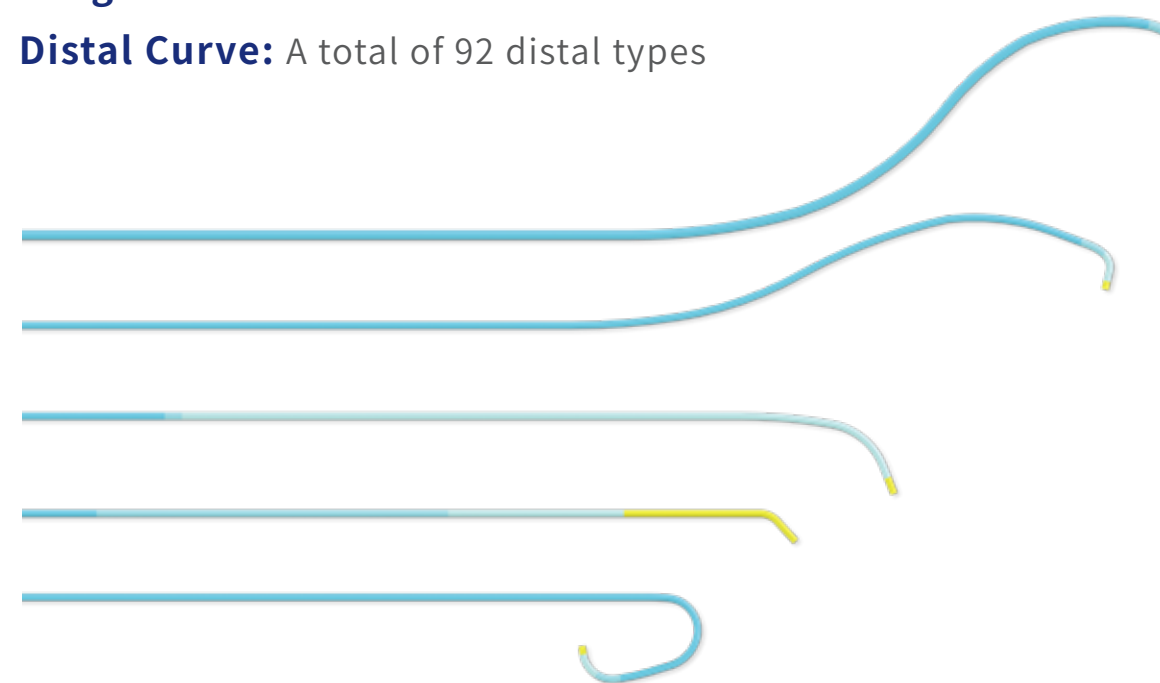
- Optimized braided reinforcement enhances torque control and provides reliable shaft support.
- Designed for high-pressure applications, rated up to 1200 psi.
- Excellent shape retention enables smooth advancement to the intended position.
- Enhanced radiopacity, supporting precise positioning during angiographic procedures.
- Soft distal tip helps reduce vessel trauma during catheter advancement.

GUIDING CATHETER

French Size: 5/6/7/8 F

Length: 55-125cm

Distal Curve: A total of 92 distal types



FEATURES

- Soft distal tip helps minimize vessel trauma and reduces resistance during vascular access.
- Excellent tip shape retention enables smooth advancement to the intended position.
- Special radiopaque shaft material enhances procedural precision.
- Thin-wall large lumen design provides improved deliverability and device compatibility.
- Optimized braided reinforcement enhances torque response and shaft support for stable catheter manipulation.
- Optimized braided reinforcement enhances torque control and shaft support.

| SIZING CATHETER

French Size: 4/5/6F

Length: 100cm

Distal Curve: STR/PIG



FEATURES

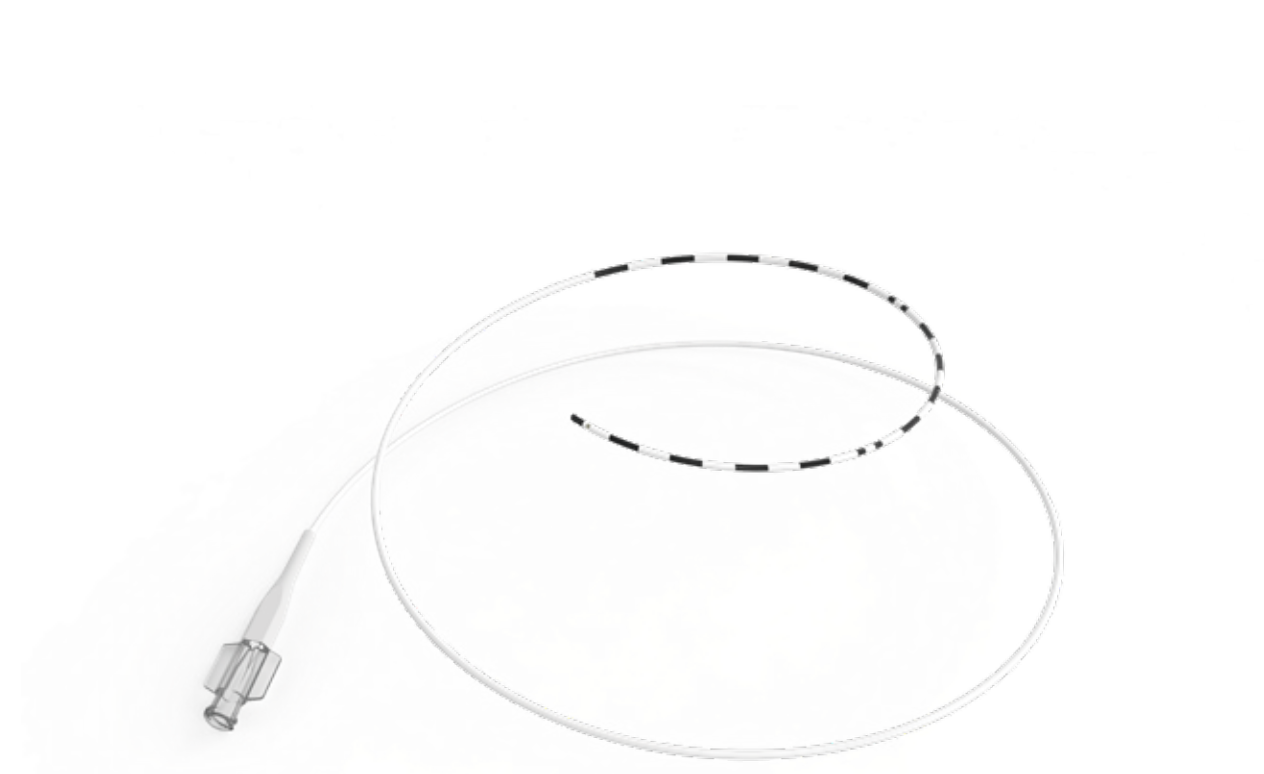
- Soft distal tip helps reduce vessel trauma and enhances procedural safety.
- Excellent shaft radiopacity supports precise catheter positioning.
- Multi-side-hole design promotes uniform contrast dispersion for clear and consistent angiographic imaging.
- High-contrast distance markers enable accurate measurement of lesion length and anatomical distances.
- Peel-away shaft design allows smooth catheter insertion

| SUPPORT CATHETER

French Size: 0.99/1.14/1.63 mm

Length: 65-150cm

Guidewire Compatibility: 0.014", 0.018", 0.035"



FEATURES

- Distal 30 cm radiopaque marker enables accurate measurement of lesion length.
- Smooth distal taper with hydrophilic coating enhances crossability through complex anatomy.
- Distal marker band combined with radiopaque polymer tip provides dual visibility for precise positioning.

MICRO CATHETER

Outer Diameter: 1.5-2.7F

Length: 110/130/150/170cm



FEATURES

- Multi-segment variable stiffness shaft enhances torqueresponse and overall maneuverability.
- Mid-shaft braided reinforcement increases strength,pushability, and torque transmission.
- Ultra-smooth hydrophilic coating reduces friction for easyintravascular navigation.
- Soft distal tip enables smooth vessel entry and helpsminimize the risk of vessel trauma.
- Compatible with extension guidewires to extend working lengthand facilitate device exchange

ASPIRATION CATHETER

French Size: 4.5/5.1/5.7 F

Aspiration Lumen Length: 20/50/100/150/200mm



FEATURES

- Fully braided shaft offers excellent kink resistance and maintains lumen integrity under negative pressure.
- Round, large-lumen aspiration design enables efficient thrombus removal.
- Graduated stiffness profile provides distal flexibility and proximal pushability for smooth delivery.
- Radiopaque markers allow precise localization of the aspiration port.



Balloon

PTA Balloon Dilatation Catheter
PTCA Balloon Dilatation Catheter

PTA BALLOON DILATATION CATHETER

Catheter Length: 40/75/135cm

Balloon Length: 20-200mm

Balloon Diameter: 3-12mm



FEATURES

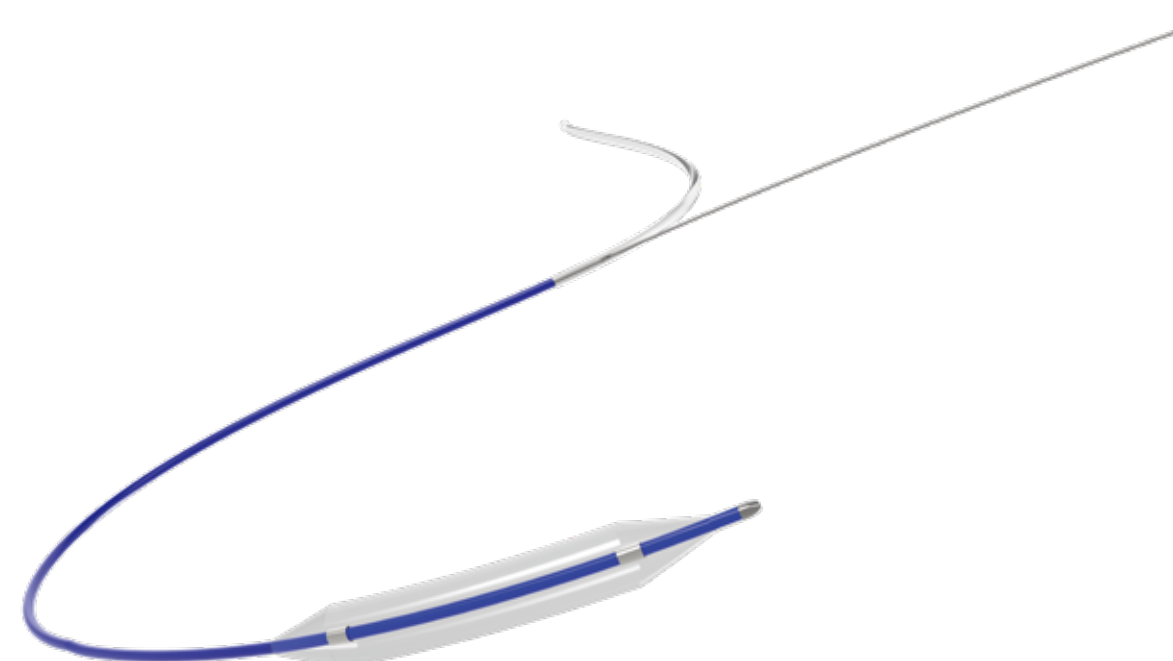
- Hydrophilic-coated catheter shaft delivers excellent trackability through complex vasculature.
- Hydrophilic coating enhances crossability and smooth delivery in peripheral vasculature.
- Multi-fold non-compliant balloon ensures precise dilation and easy retrieval.
- High-pressure performance supports safe and effective vessel expansion.
- Soft tapered tip improves access to complex peripheral lesions.

PTCA BALLOON DILATATION CATHETER

Catheter Length: 143cm

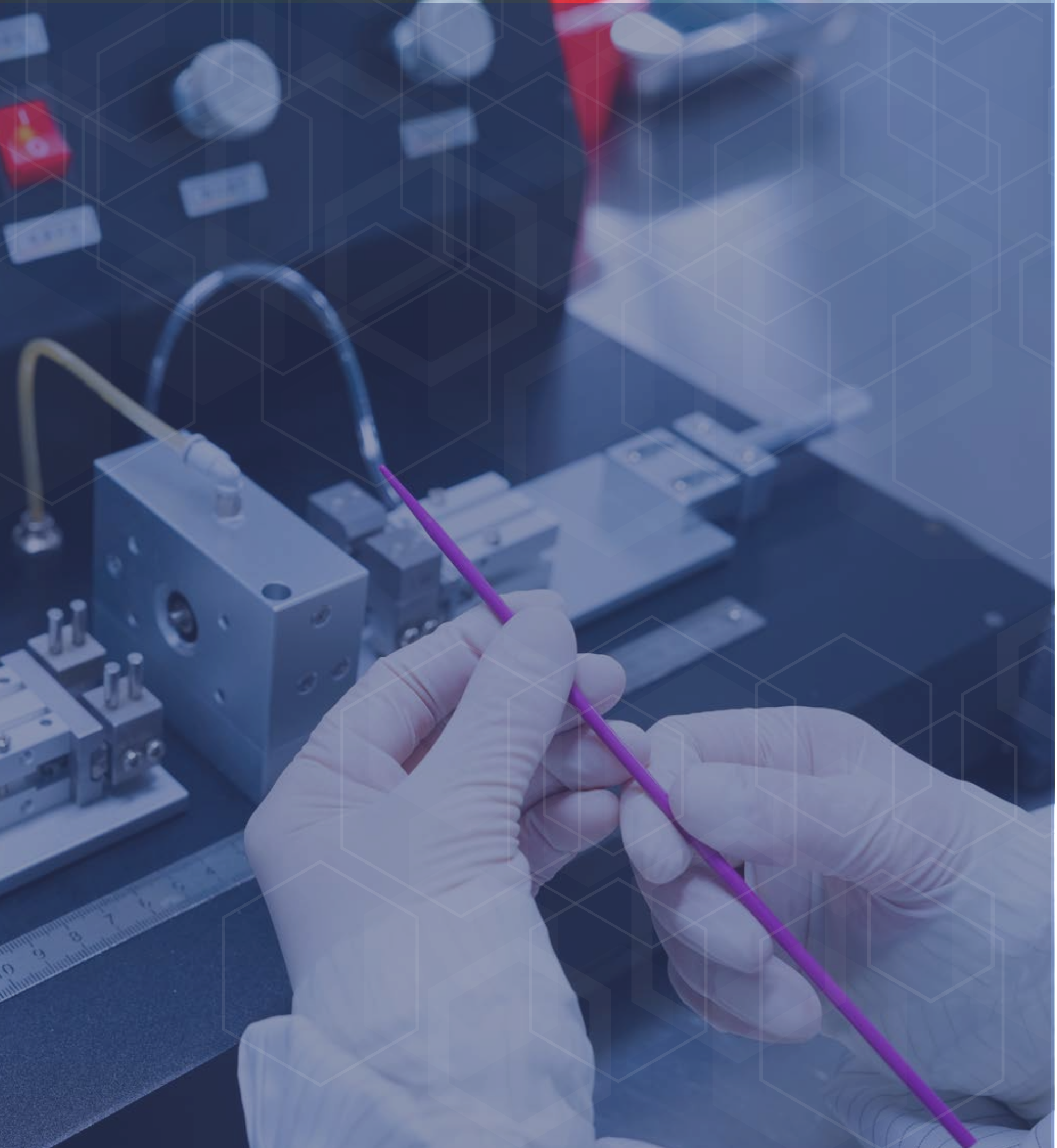
Balloon Length: 6-40mm

Balloon Diameter: 1-5mm



FEATURES

- Hydrophilic-coated shaft reduces friction and enhances deliverability through tortuous coronary anatomy.
- Comprehensive size matrix accommodates a wide range of coronary vessel diameters and clinical needs.
- Multi-fold balloon technology minimizes crossing profile while providing excellent recoil and refolding performance.
- Integrated soft, atraumatic distal tip helps prevent fish-mouthing and reduces vessel wall trauma.



Access

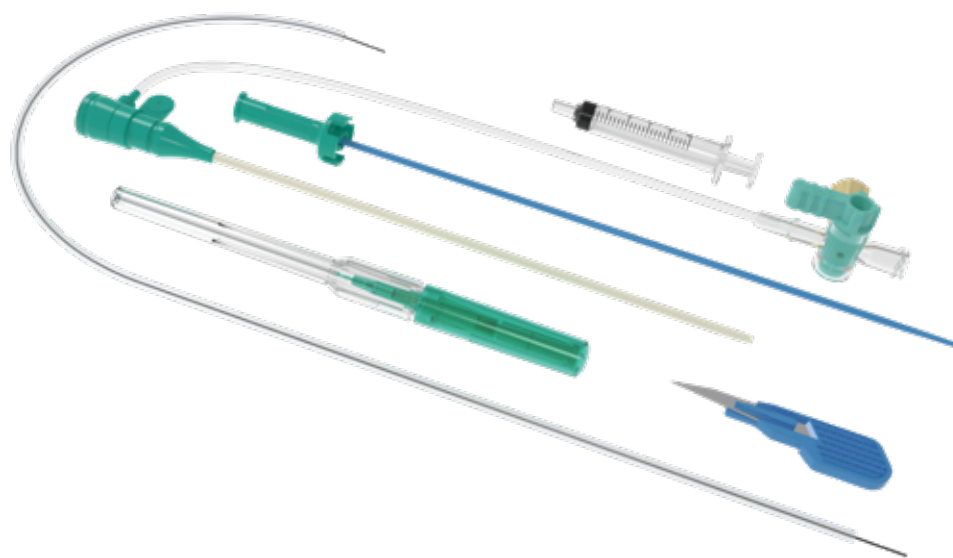
Introducer Sheath Set
Transjugular Intrahepatic Access Set
Micro Introducer Sheath
Introducer Guiding Sheath

INTRODUCER SHEATH SET

French Size: 4-11F

Length: 5-25cm

Guidewire Compatibility: 0.021", 0.025", 0.035", 0.038"



FEATURES

- Snap-fit hub design ensures secure dilator-sheath coupling and prevents accidental dilator dislodgement.
- Integrated hemostatic valve supports smooth dilator insertion and provides effective blood loss control.
- Optimized tapered tip enables smooth transition, delivering a sheath-dilator one-piece feel for easy vascular access.

TRANSJUGULAR INTRAHEPATIC ACCESS SET

French Size: 10F

Length: 40cm



FEATURES

- Secure needle-to-hub connection reduces the risk of disconnection during transjugular puncture procedures.
- Aligned orientation between stiff cannula bend and hub tip allows easy directional adjustment during procedures.
- Sharpened distal needle tip enhances puncture efficiency and improves tissue penetration performance.
- Integrated silicone valve minimizes blood leakage and supports smooth device insertion and withdrawal.
- Braided-reinforced guiding sheath provides enhanced support and improved kink resistance.

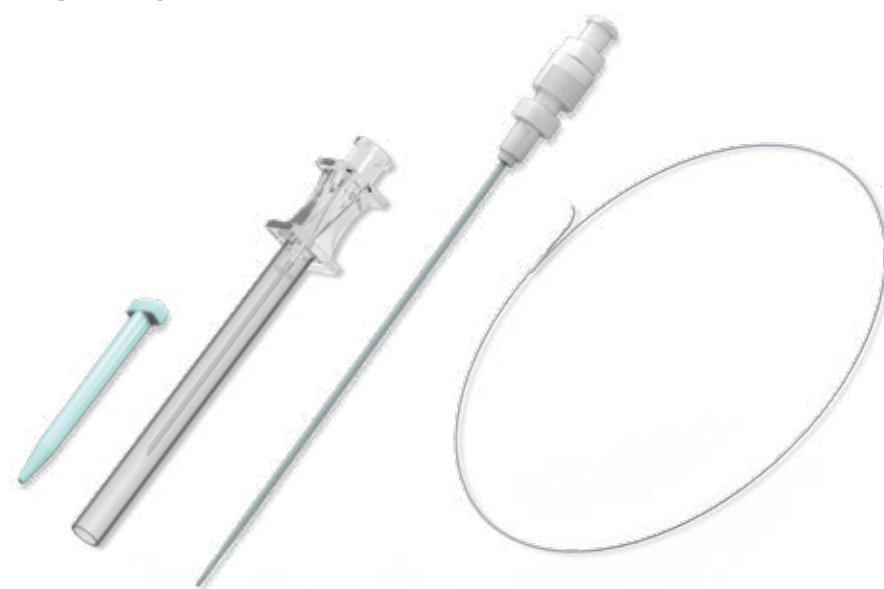
MICRO INTRODUCER SHEATH

French Size: 4/5 F

Length: 10cm

Guidewire Compatibility: 0.018"

Needle: 21G × 7cm



FEATURES

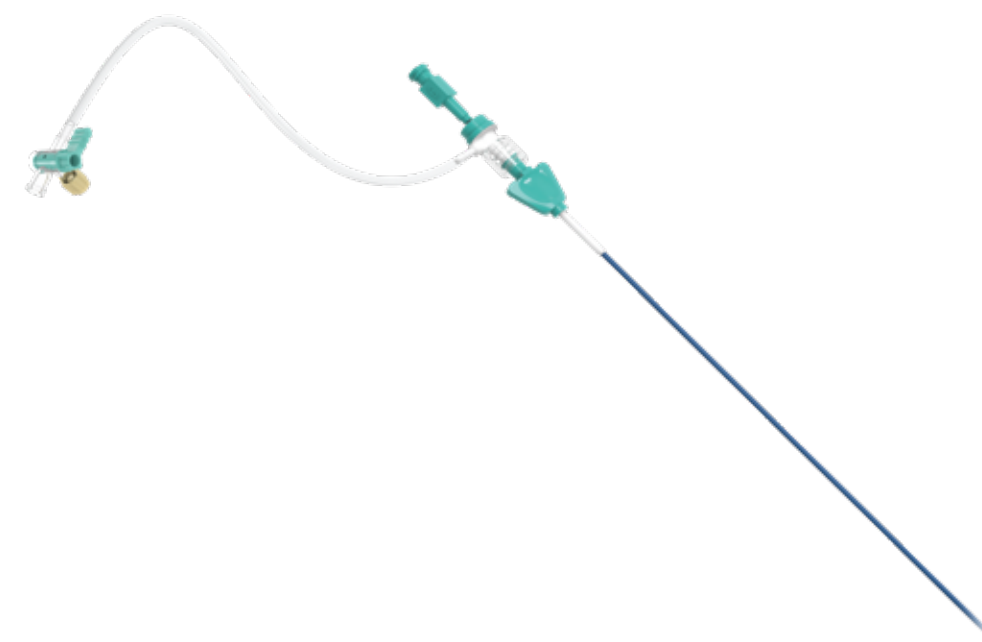
- Luer-lock connection between inner dilator and outer sheath prevents accidental separation during vascular access.
- Smooth transition between dilator and sheath provides a seamless, one-piece handling feel during insertion.
- Radiopaque-enhanced shaft improves visibility for accurate vessel access.

INTRODUCER GUIDING SHEATH

French Size: 4-12F

Guidewire Compatibility: 0.035", 0.038"

Sheath Length: 13-110cm



FEATURES

- Triple-layer braided shaft provides strong support and excellent kink resistance in tortuous anatomy.
- Smooth tapered transition reduces vessel trauma and enables easy sheath insertion.
- Dual radiopaque markers ensure clear visualization and precise positioning.
- Removable hemostatic valve supports efficient delivery and convenient device exchange.
- Multiple shapes and sizes accommodate diverse clinical access requirements.
- Hydrophilic coating enhances trackability and delivers smooth advancement throughout the procedure.



Accessories

Control Syringe

Manifold

Extension Tube

Radial Artery Compression Device

Y-Connector Set

Inflation Device

CONTROL SYRINGE

Nominal Capacity: 10/12/20ML



FEATURES

- Standard luer connector enables secure and compatible connection with a wide range of medical devices.
- High-clarity barrel material provides excellent transparency and pressure resistance.
- Three-ring handle design allows stable one-hand aspiration and injection control.

MANIFOLD

Side Ports: 3

Extension Tube: With/without

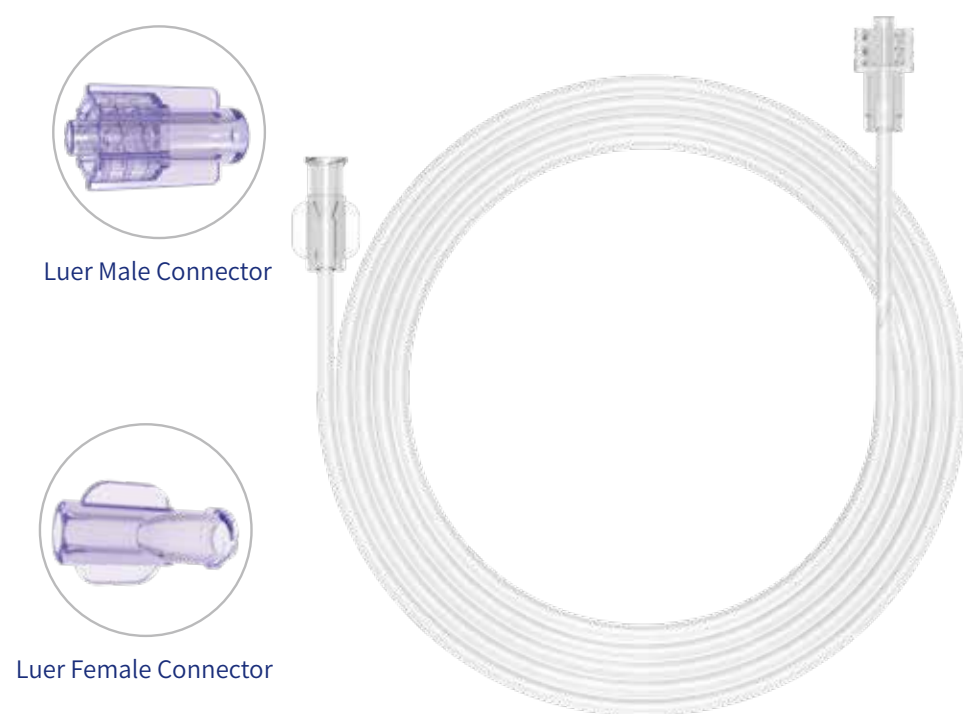


FEATURES

- Smooth-turning stopcocks enable precise and effortless flow control.
- Multiple configuration options support flexible clinical setup and selection.
- Reliable sealing performance minimizes leakage during procedures.
- High-clarity housing allows clear visualization of fluid pathways.

EXTENSION TUBE

Effective Length: 15-150cm



FEATURES

- Standard male and female luer connectors for easy connection with other medical devices.
- Soft and transparent tubing with high clarity for better observation and handling.
- Premium material with a pressure rating of 500 psi.
- Multiple length options available to meet different clinical needs.

RADIAL ARTERY COMPRESSION DEVICE

Fixation Strap Length: 180/220/260 mm



FEATURES

- Optimized screw-type sliding block structure for smoother and more precise pressure adjustment.
- Soft transparent silicone pad improves patient comfort and allows clinicians to better observe the hemostasis site.
- Non-elastic composite strap enhances wearing comfort and provides secure fixation.

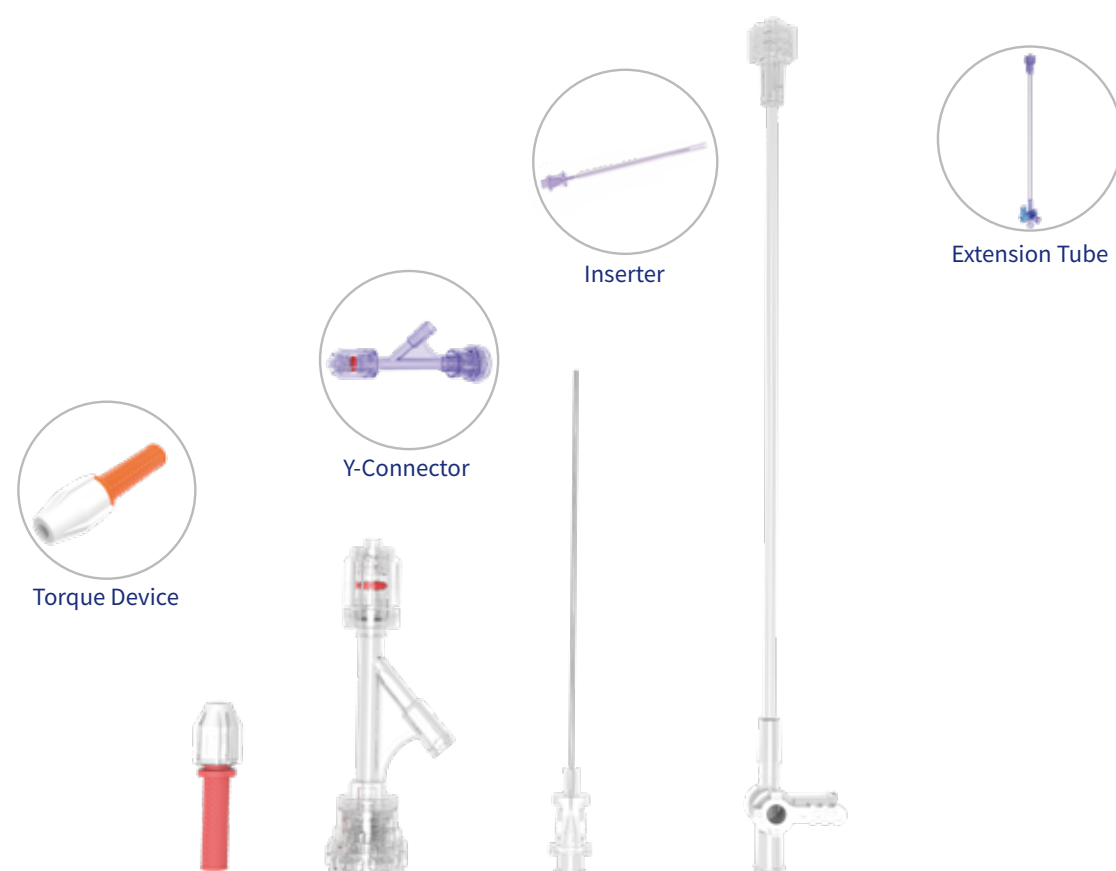
Y-CONNECTOR SET

Y-Connector: Accepts 7–9F catheters

Inserter: Compatible with 0.014"–0.021" guidewires

Torque Device: Compatible with 0.014"–0.025" guidewires

Extension Tube Pressure Rating: 100psi



FEATURES

- Large inner lumen with full size coverage, supporting up to 9F.
- Rotating on/off design for flexible operation.
- Secure hemostasis performance to minimize leakage.

INFLATION DEVICE

Capacity: 30ml

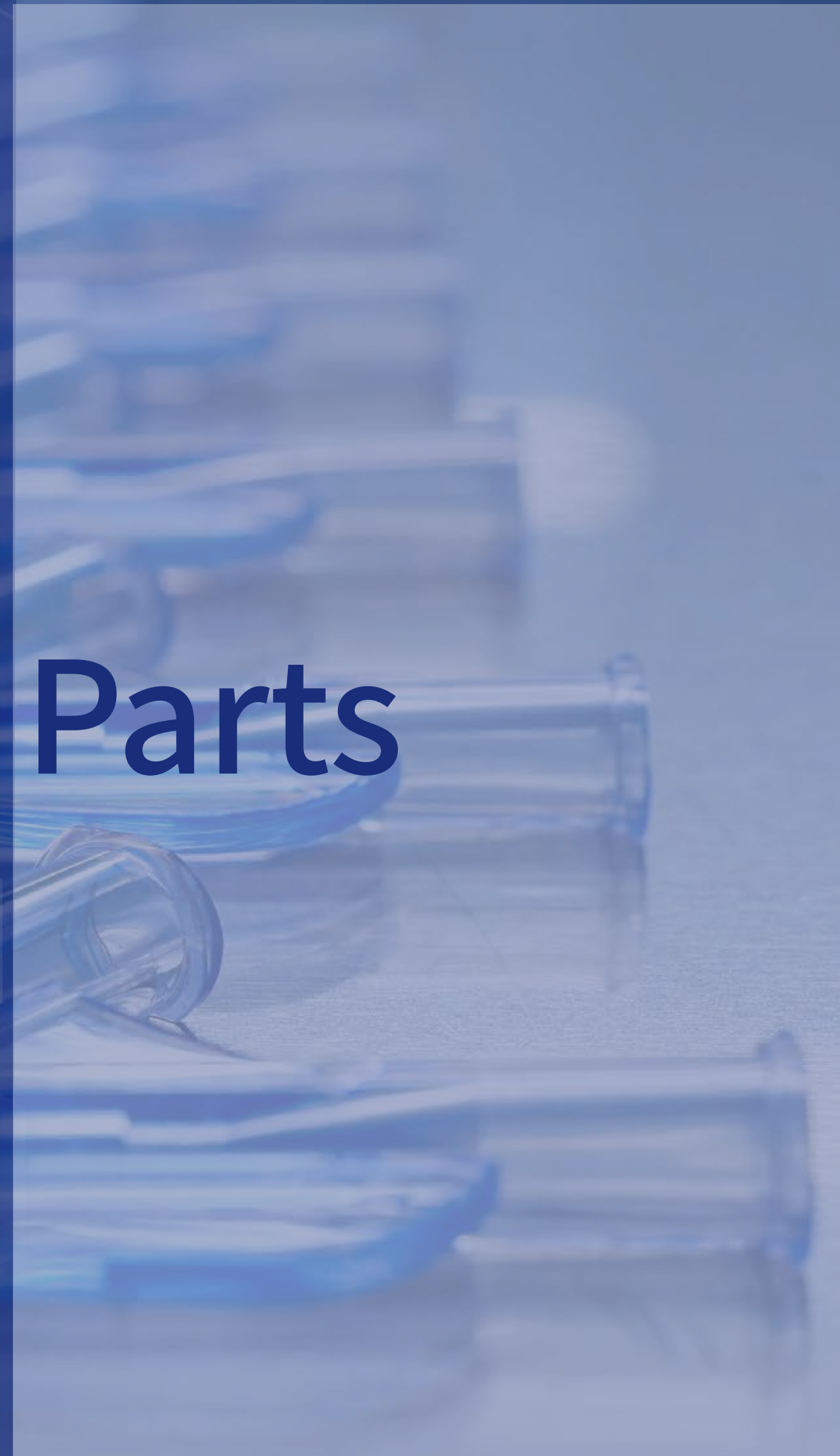
Rated Pressure: 30atm



FEATURES

- Accurate pressure setting with real-time monitoring and stable pressure maintenance.
- Supports rapid pressure release.
- Secure hemostasis performance to minimize leakage.
- Ergonomic handle design for a comfortable grip.
- Luminous pressure gauge for clear reading in low-light conditions.
- 30 ml capacity with a maximum pressure up to 30 atm.

Molded Parts



RETENTION CLIP (3-CLIP)

Material: PE

Size: 4.35 mm*3*22.5 mm



RETENTION CLIP (4-CLIP)

Material: PE

Size: 3.35 mm*4*22.6 mm



FEMALE CONNECTOR

Material: PE

Size: 3.8 mm*21.95 mm



TAPERED TIP

Material: PE

Size: 3.8 mm*38.2 mm



Y-TYPE CONNECTOR

Material: PCTG

Size: 1.45/1.95/2.15 mm



CATHETER HUB

Material: PA

Size: 4/5/6F



CATHETER HUB

Material: PA

Size: 5/6/7/8 F



CATHETER HUB

Material: PA

Size: 4/5/6F



CATHETER HUB

Material: PA

Size: 5/6/7/8 F



MALE CATHETER HUB

Material: PC

Size: 3.25 mm*21.5 mm



FEMALE CATHETER HUB

Material: PC

Size: 3.25*21.3 mm



HEMOSTASIS Y-CONNECTOR

Material: PC

Rated Pressure: 500psi



PUSH-ROTATE HEMOSTASIS Y-CONNECTOR

Material: PC

Rated Pressure: 1200psi



3-WAY STOPCOCK WITH EXTENSION TUBE

Material: PA

Material: PVC / TPU

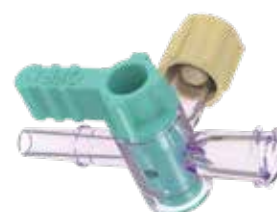
Rated Pressure: 300KPA



3-WAY STOPCOCK

Rated Pressure: 300KPA

Compatible Catheter: Outside diameter 2.1 mm



INTRODUCER INSERTER

Material: PC & Stainless Steel

Size: 0.65*0.90*135mm



BALLOON CATHETER HUB (OTW)

Material: PC

Bonding Inner Diameter: 2.1/1.5 mm



BALLOON CATHETER HUB (RX)

Material: PC

Bonding Inner Diameter: 0.9 mm



COILING TUBE

Material: HDPE

Inner Diameter: 4.7 mm

Outside Diameter: 6.1 mm

