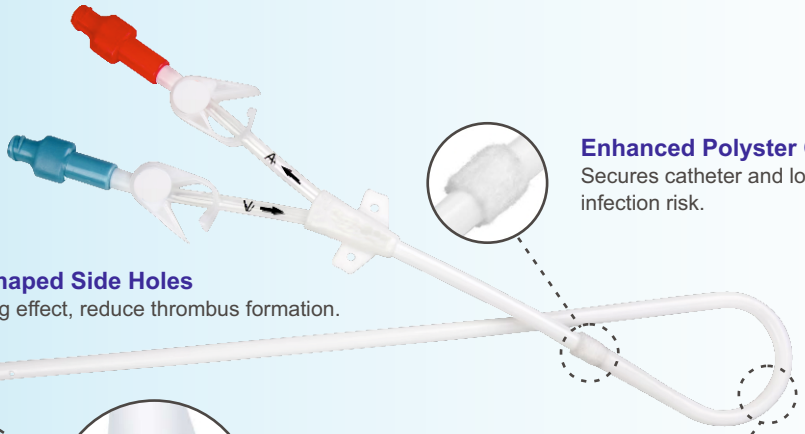
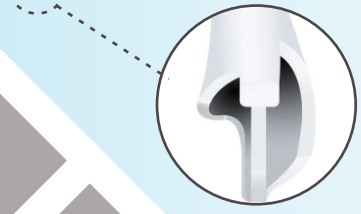
www.sceptremedica.com

Reversible Lumen Functionality
Allows arterial and venous reversal with minimal performance loss and <2% Recirculation Rate Ensures high dialysis efficiency.

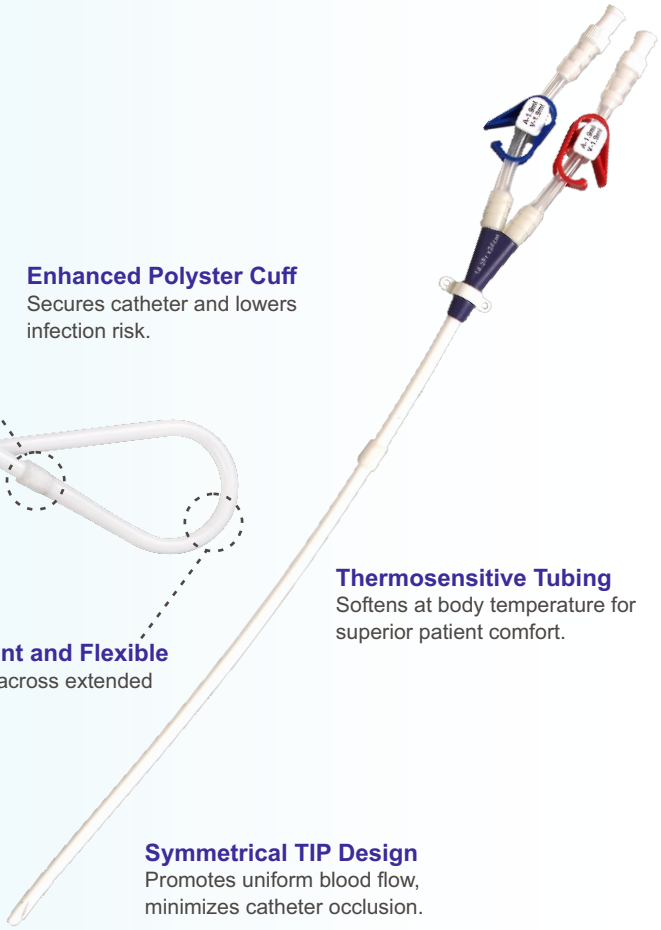


Enhanced Polyster Cuff
Secures catheter and lowers infection risk.

Diamond-Shaped Side Holes
Create flushing effect, reduce thrombus formation.



Kink-Resistant and Flexible
Maintains flow across extended durations.



Thermosensitive Tubing
Softens at body temperature for superior patient comfort.

Symmetrical TIP Design
Promotes uniform blood flow, minimizes catheter occlusion.

JETFLOW®

CHRONIC HEMODIALYSIS CATHETER
LONG TERM SYMMETRICAL TIP

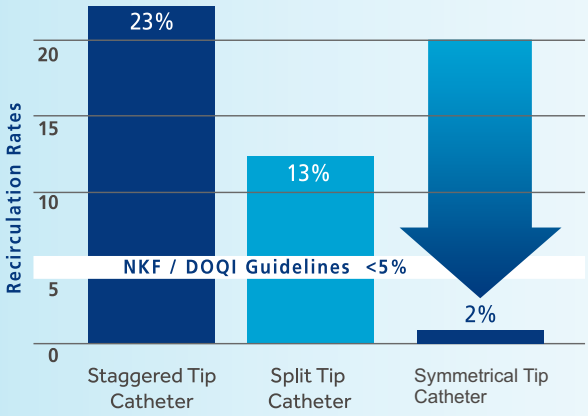
SCEPTRE
MEDICAL DEVICES PVT LTD

CHRONIC HEMODIALYSIS CATHETER
LONG TERM SYMMETRICAL TIP

Design Philosophy Symmetrical TIP
Engineered with a mirror-image lumen structure to maintain central positioning in the vessel, reduce trauma, and ensure balanced blood flow.Flow-Oriented Geometry: Precision-lasered side slots and smooth surfaces reduce clot formation and positional occlusion. Double-D™ Lumen Design: Streamlined internal architecture enhances flow dynamics and patency.

Material Composition & Construction
Constructed from thermosensitive polyurethane (PU) that softens post-insertion for vascular compatibility. High-tensile inner lumen ensures: High flow rates Flexibility and kink resistance Long-term functional durability

Clinical Benefits and Performance
Minimal Recirculation (<2%) vs. 13–23% in split/staggered tips.
Improved Catheter Patency over extended durations.
Uninterrupted Dialysis Flow due to reduced thrombus and occlusion risks.



Symmetrical TIP: Patency and Flow Efficiency
The primary benefit of the symmetrical TIP is its promotion of catheter patency. The balanced tip design ensures that blood flow is evenly distributed, reducing recirculation—a key factor in maintaining dialysis efficiency. Sceptre's symmetrical TIP catheters are designed to achieve minimal recirculation, which is critical for maximizing the clearance of uremic toxins. Additionally, the high-tensile strength material of the lumen allows for flow rates that do not compromise flexibility, ensuring both functional efficiency and patient comfort. For patients requiring long-term vascular access, the symmetrical TIP offers reliability in maintaining unobstructed flow over extended periods.

Symmetrical TIP Kit Components
Long-term hemodialysis catheter (Symmetrical TIP)
Introducer needle
Valve peel-away sheath
Tunneler
Nitinol guidewire
Dilators
Scalpel
Syringes
Surgical drape
Sutures
Gauze
Probe cover
Sterile Ultrasound gel
Alcohal free wipe
Wound dressing

Ideal Use Case
Suitable for stable vascular access patients needing:
Long-term dialysis | Low recirculation
High flow rates | Minimal intervention risk

Symmetrical TIP: Flow and Patency Metrics
Innovative symmetric tip and precision laser-cut side slots ensure superior catheter patency compared to standard split-tip designs. Engineered slot placement reduces the risk of positional occlusion. Smooth laser-cut surfaces help limit clot formation and reduce debris buildup. Specialized tip design supports uninterrupted flow during dialysis sessions.
The Symmetrical dialysis catheter, featuring an innovative Double-D™ lumen design and 14.5 Fr diameter, is engineered with high-strength PU material to consistently deliver superior flow rates.The robust PU construction and advanced lumen architecture ensure optimal inner diameter integrity while maintaining excellent flexibility and resistance to kinking.

Product Selection and ordering (Straight-Adult, Pediatric/Pre-Curved)

Product Code	Size (Cuff to tip)	Overall Length	Product Code	Size (Cuff to tip)	Overall Length
302.A221SN	14.5Fr x 19cm	36cm	302.A223SN	14.5 x 19cm	36cm
302.A221SQ	14.5Fr x 23cm	40cm	302.A223SQ	14.5 x 23cm	40cm
302.A221SS	14.5Fr x 28cm	45cm	302.A223SS	14.5 x 28cm	45cm
302.A221SX	14.5Fr x 55cm	72cm			
302.A221TN	15.5Fr x 19cm	36cm			
302.A221TQ	15.5Fr x 23cm	40cm			
302.A221TS	15.5Fr x 28cm	45cm			
302.A221TX	15.5Fr x 55cm	72cm			
302.A221FG	8Fr x 13cm	30cm			
302.A221JG	10Fr x 13cm	30cm			
302.A221ML	12Fr x 16cm	33cm			

SCEPTRE
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