ARROW NEXTSTEP® RETROGRADE
The next step in dialysis catheter technology
NOW STEP-TIP EASE MEETS SPLIT-TIP FLOW

THE ARROW NEXTSTEP RETROGRADE IS THE FIRST OF ITS KIND, A CHRONIC HEMODIALYSIS CATHETER DESIGNED TO COMBINE:
• A step-tip catheter’s ease of insertion
• A split-tip’s sustained high flow

EASE OF INSERTION
The Arrow NextStep Retrograde unique tip is designed for:
• Smooth transition through a sheath and over-the-wire insertion
• The benefits of retrograde tunneling

DESIGNED FOR SUSTAINED HIGH FLOW AND MINIMAL RECIRCULATION
To reduce recirculation and deliver high flow, the Arrow NextStep Retrograde tip has two unique, complementary features:
• The ports are reversed to take better advantage of blood flow dynamics
  – The venous port releases blood in the SVC
  – The arterial port draws blood from the right atrium
  – Side holes on the tip are designed to pull blood from all sides
• The ports are significantly separated to both enhance flow and minimize recirculation

TECHNIQUE TO IMPROVE OVERALL PLACEMENT ACCURACY
Retrograde tunneling improves your ability to ideally position the catheter tip, cuff and hub. The Arrow NextStep Retrograde unique design is engineered to take advantage of retrograde tunneling, and to help you achieve the outcomes you want for your patients.
In particular, retrograde insertion:
• Facilitates fast, precise tip placement within the right atrium
• Helps create a smooth, contoured tunnel tract that:
  – Minimizes catheter kinking
  – Inhibits catheter migration
  – Minimizes retrograde bleeding
• Permits reproducible cuff positioning and exit site location
• Eases hub replacement

ENGINEERED FOR HIGH FLOW
ARROW SMARTSEAL® HEMOSTATIC PEELEABLE DIALYSIS SHEATH
- Designed to minimize risk of air embolism and clinicians’ exposure to bloodborne pathogens.

ARROW SIMPLICITY® COLOR-CODED MICRO-PUNCTURE INTRODUCER SET
- Unique system designed to simplify catheterization and facilitate optimal placement. Corresponds to color-coded packaging for Arrow NextStep chronic hemodialysis catheters.

ALCOHOL-COMPATIBLE CONSTRUCTION
For use with a broad spectrum of agents, including Chloraprep® and iodine¹

REVERSED PORTS
To help deliver sustained high flow, the Arrow NextStep Retrograde ports are reversed: The venous port resides in the SVC, the arterial port in the right atrium.

REPLACEABLE HUB CONNECTION
Enables easy replacement without removing indwelling catheter
THIS SET INCLUDES:
1 Catheter: 15 Fr.
1 Arrow SmartSeal® Hemostatic Peelable Dialysis Sheath: 16 Fr.
1 Spring-Wire guide: .038” (.97 mm) x 39-1/2” (100 cm) straight stiff tip on one end—"J" tip on other with Arrow Advancer™
1 Introducer needle: 18 Ga. x 2-1/2” (6.35 cm)
1 Pre-loaded tunneler (metal) with threaded compression cap and compression sleeve
1 Hub connection assembly
2 Luer-Lock caps
1 Tunnel dilator
1 Dressing: Tegaderm® 10 cm x 12 cm
1 Tissue dilator: 12 Fr.
1 Tissue dilator: 14 Fr.
1 SharpsAway II™ Locking Disposal Cup
1 Safety scalpel: #11
1 Irrigation tube with clamp
1 Catheter clamp
1 Patient ID card

To learn more about retrograde insertion talk to your sales representative or visit Arrowintl.com/NextStep.
### Arrow NextStep Retrograde Chronic Hemodialysis Catheter Sets with Arrow Simplicity® Color-Coded Micro-Puncture Introducer

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Product #</th>
<th>Description</th>
<th>Tip-to-cuff Insertion Length (cm)</th>
</tr>
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<tbody>
<tr>
<td>19</td>
<td>CS-15192-XM</td>
<td>Arrow 15 Fr. x 7.5&quot; (19 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set</td>
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<tr>
<td>23</td>
<td>CS-15232-XM</td>
<td>Arrow 15 Fr. x 9&quot; (23 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set</td>
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<tr>
<td>27</td>
<td>CS-15272-XM</td>
<td>Arrow 15 Fr. x 10.5&quot; (27 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set</td>
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<tr>
<td>31</td>
<td>CS-15312-XM</td>
<td>Arrow 15 Fr. x 12&quot; (31 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 GA. Micro-puncture Introducer Set</td>
<td>31</td>
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### Arrow NextStep Retrograde Chronic Hemodialysis Catheter Sets

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<th>Description</th>
<th>Tip-to-cuff Insertion Length (cm)</th>
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<tbody>
<tr>
<td>CS-15192-X</td>
<td>Arrow 15 Fr. x 7.5&quot; (19 cm) Radiopaque Polyurethane Catheter</td>
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</tr>
<tr>
<td>CS-15232-X</td>
<td>Arrow 15 Fr. x 9&quot; (23 cm) Radiopaque Polyurethane Catheter</td>
<td>23</td>
</tr>
<tr>
<td>CS-15272-X</td>
<td>Arrow 15 Fr. x 10.5&quot; (27 cm) Radiopaque Polyurethane Catheter</td>
<td>27</td>
</tr>
<tr>
<td>CS-15312-X</td>
<td>Arrow 15 Fr. x 12&quot; (31 cm) Radiopaque Polyurethane Catheter</td>
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### Arrow NextStep Retrograde Chronic Hemodialysis Catheter—Replacement Hubs

<table>
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<tr>
<th>Product #</th>
<th>Description</th>
<th>Tip-to-cuff Insertion Length (cm)</th>
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<tr>
<td>NRH-15192</td>
<td>NextStep Replacement Hub for part# CS-15192-X (catheter)</td>
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<tr>
<td>NRH-15232</td>
<td>NextStep Replacement Hub for part# CS-15232-X (catheter)</td>
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<tr>
<td>NRH-15272</td>
<td>NextStep Replacement Hub for part# CS-15272-X (catheter)</td>
<td>27</td>
</tr>
<tr>
<td>NRH-15312</td>
<td>NextStep Replacement Hub for part# CS-15312-X (catheter)</td>
<td>31</td>
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</table>

### Arrow Simplicity

<table>
<thead>
<tr>
<th>Product #</th>
<th>Description</th>
<th>Qty</th>
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<tbody>
<tr>
<td>MP-04450-A5</td>
<td>Color-Coded Micro-Puncture Introducer Set</td>
<td>5 ea. per box</td>
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</tbody>
</table>

Does not contain natural rubber latex.

Note: Products are not CE marked.

**Reference:**

1 Alcohol, alcohol-based solutions such as ChloraPrep®, iodine-based solutions such as Povidone-iodine, mineral oil-based ointments, hydrogen peroxide or commercially available ExSept Plus are accepted for use with the Arrow NextStep catheter. Caution: Federal law restricts this device to sale by or on the order of a physician.
Teleflex is a global provider of medical products designed to enable healthcare providers to protect against infections and improve patient and provider safety. The company specializes in products and services for vascular access, respiratory, general and regional anesthesia, cardiac care, urology and surgery. Teleflex also provides specialty products for device manufacturers.

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For detailed information, see teleflex.com

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