

# Physician's

## pocket reference guide

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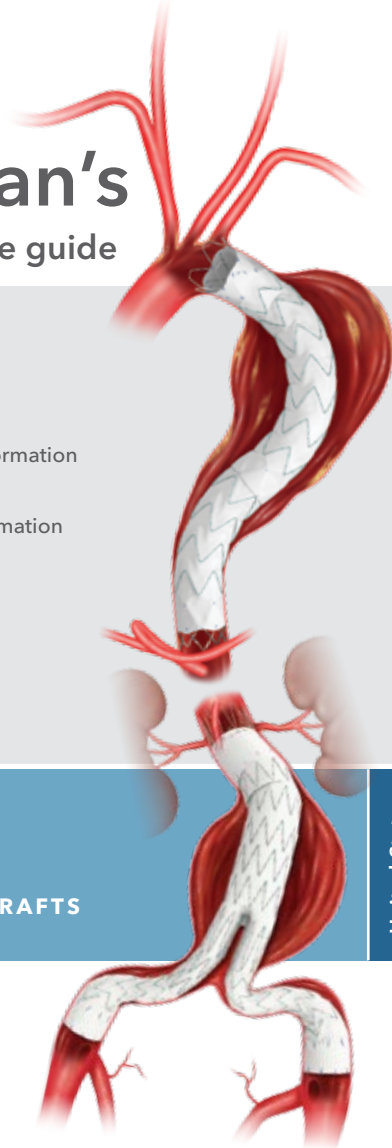
# Zenith<sup>®</sup>

ENDOVASCULAR GRAFTS

United States



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Achieving  
a durable  
aortic repair  
is the  
foundation  
of the  
Zenith design  
philosophy.

For complete instructions for use (IFUs), go to [ifu.cookmedical.com/ifuPub/searchIFU.jsf](https://ifu.cookmedical.com/ifuPub/searchIFU.jsf).

Additional information may be found at [cookmedical.com/aortic-intervention](https://cookmedical.com/aortic-intervention)  
or [zenithalphathoracic.cookmedical.com](https://zenithalphathoracic.cookmedical.com).

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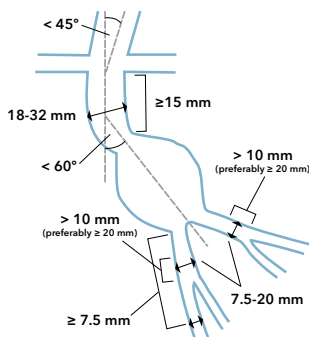


Time-tested  
accuracy and  
durability.

# Zenith Flex<sup>®</sup>

AAA ENDOVASCULAR GRAFT

# Indications for Use



|                                          |                                                                                                                                                                                                                                                                                                   |                                                    |                                                 |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------|
| <b>Indications for Use</b>               | Patients with abdominal aortic or aortoiliac aneurysms having morphology suitable for endovascular repair                                                                                                                                                                                         |                                                    |                                                 |
| <b>Length</b>                            | ≥ 15 mm nonaneurysmal infrarenal neck                                                                                                                                                                                                                                                             |                                                    |                                                 |
| <b>Aortic Fixation Site Diameter</b>     | 18-32 mm (measured outer wall to outer wall)                                                                                                                                                                                                                                                      |                                                    |                                                 |
| <b>Angulation/ Curvature</b>             | <ul style="list-style-type: none"> <li>• Angle &lt; 60 degrees relative to the long axis of the aneurysm.</li> <li>• Angle &lt; 45 degrees relative to the axis of the suprarenal aorta</li> </ul>                                                                                                |                                                    |                                                 |
| <b>Ipsilateral Iliac Fixation Site</b>   | Distal fixation site >10 mm in length and 7.5-20 mm in diameter (measured outer wall to outer wall)                                                                                                                                                                                               |                                                    |                                                 |
| <b>Contralateral Iliac Fixation Site</b> | Distal fixation site >10 mm in length and 7.5-20 mm in diameter (measured outer wall to outer wall)                                                                                                                                                                                               |                                                    |                                                 |
| <b>Access</b>                            | Adequate femoral/iliac access compatible with the required introduction systems                                                                                                                                                                                                                   |                                                    |                                                 |
| <b>Introducer Diameters</b>              | 22-26 mm grafts:<br>ID 18 Fr (6.0 mm)<br>OD 7.1 mm                                                                                                                                                                                                                                                | 28-32 mm grafts:<br>ID 20 Fr (6.7 mm)<br>OD 7.7 mm | 36 mm grafts:<br>ID 22 Fr (7.3 mm)<br>OD 8.5 mm |
| <b>Contraindications</b>                 | <ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to stainless steel, nitinol, polyester, solder (tin, silver), polypropylene or gold</li> <li>• Patients with a systemic infection who may be at increased risk of endovascular graft infection</li> </ul> |                                                    |                                                 |

# Bifurcated Main Body Grafts

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Main Body Diameter mm | Main Body Contralateral Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|---------------------|-----------------------|-----------------------------------|------------------------------------|
| <b>22 mm Diameter</b> |                       |                     |                       |                                   |                                    |
| G48402                | TFFB-22-82-ZT         | 18-19               | 22                    | 82                                | 18 (6.0)/7.1                       |
| G48403                | TFFB-22-96-ZT         | 18-19               | 22                    | 96                                | 18 (6.0)/7.1                       |
| G48404                | TFFB-22-111-ZT        | 18-19               | 22                    | 111                               | 18 (6.0)/7.1                       |
| G48405                | TFFB-22-125-ZT        | 18-19               | 22                    | 125                               | 18 (6.0)/7.1                       |
| G48406                | TFFB-22-140-ZT        | 18-19               | 22                    | 140                               | 18 (6.0)/7.1                       |
| <b>24 mm Diameter</b> |                       |                     |                       |                                   |                                    |
| G48407                | TFFB-24-82-ZT         | 20-21               | 24                    | 82                                | 18 (6.0)/7.1                       |
| G48408                | TFFB-24-96-ZT         | 20-21               | 24                    | 96                                | 18 (6.0)/7.1                       |
| G48409                | TFFB-24-111-ZT        | 20-21               | 24                    | 111                               | 18 (6.0)/7.1                       |
| G48410                | TFFB-24-125-ZT        | 20-21               | 24                    | 125                               | 18 (6.0)/7.1                       |
| G48411                | TFFB-24-140-ZT        | 20-21               | 24                    | 140                               | 18 (6.0)/7.1                       |
| <b>26 mm Diameter</b> |                       |                     |                       |                                   |                                    |
| G48412                | TFFB-26-82-ZT         | 22                  | 26                    | 82                                | 18 (6.0)/7.1                       |
| G48413                | TFFB-26-96-ZT         | 22                  | 26                    | 96                                | 18 (6.0)/7.1                       |
| G48414                | TFFB-26-111-ZT        | 22                  | 26                    | 111                               | 18 (6.0)/7.1                       |
| G48415                | TFFB-26-125-ZT        | 22                  | 26                    | 125                               | 18 (6.0)/7.1                       |
| G48416                | TFFB-26-140-ZT        | 22                  | 26                    | 140                               | 18 (6.0)/7.1                       |
| <b>28 mm Diameter</b> |                       |                     |                       |                                   |                                    |
| G48417                | TFFB-28-82-ZT         | 23-24               | 28                    | 82                                | 20 (6.7)/7.7                       |
| G48418                | TFFB-28-96-ZT         | 23-24               | 28                    | 96                                | 20 (6.7)/7.7                       |
| G48419                | TFFB-28-111-ZT        | 23-24               | 28                    | 111                               | 20 (6.7)/7.7                       |
| G48420                | TFFB-28-125-ZT        | 23-24               | 28                    | 125                               | 20 (6.7)/7.7                       |
| G48421                | TFFB-28-140-ZT        | 23-24               | 28                    | 140                               | 20 (6.7)/7.7                       |
| <b>30 mm Diameter</b> |                       |                     |                       |                                   |                                    |
| G48422                | TFFB-30-82-ZT         | 25-26               | 30                    | 82                                | 20 (6.7)/7.7                       |
| G48423                | TFFB-30-96-ZT         | 25-26               | 30                    | 96                                | 20 (6.7)/7.7                       |
| G48424                | TFFB-30-111-ZT        | 25-26               | 30                    | 111                               | 20 (6.7)/7.7                       |
| G48425                | TFFB-30-125-ZT        | 25-26               | 30                    | 125                               | 20 (6.7)/7.7                       |
| G48426                | TFFB-30-140-ZT        | 25-26               | 30                    | 140                               | 20 (6.7)/7.7                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Bifurcated Main Body Grafts (Continued)

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Main Body Diameter mm | Main Body Contralateral Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|---------------------|-----------------------|-----------------------------------|------------------------------------|
| <b>32 mm Diameter</b> |                       |                     |                       |                                   |                                    |
| G48427                | TFFB-32-82-ZT         | 27-28               | 32                    | 82                                | 20 (6.7)/7.7                       |
| G48428                | TFFB-32-96-ZT         | 27-28               | 32                    | 96                                | 20 (6.7)/7.7                       |
| G48429                | TFFB-32-111-ZT        | 27-28               | 32                    | 111                               | 20 (6.7)/7.7                       |
| G48430                | TFFB-32-125-ZT        | 27-28               | 32                    | 125                               | 20 (6.7)/7.7                       |
| G48431                | TFFB-32-140-ZT        | 27-28               | 32                    | 140                               | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b> |                       |                     |                       |                                   |                                    |
| G48432                | TFFB-36-95-ZT         | 29-32               | 36                    | 95                                | 22 (7.3)/8.5                       |
| G48433                | TFFB-36-113-ZT        | 29-32               | 36                    | 113                               | 22 (7.3)/8.5                       |
| G48434                | TFFB-36-131-ZT        | 29-32               | 36                    | 131                               | 22 (7.3)/8.5                       |
| G48435                | TFFB-36-149-ZT        | 29-32               | 36                    | 149                               | 22 (7.3)/8.5                       |

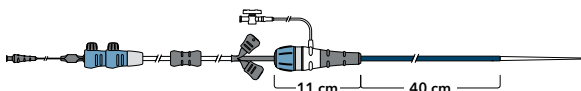
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Z-Trak® Introduction System for Main Body Grafts

22-26 mm grafts: 18 Fr (6.0 mm) ID/7.1 mm OD

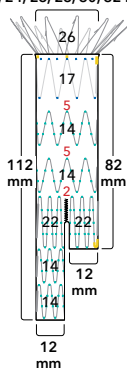
28-32 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

36 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD

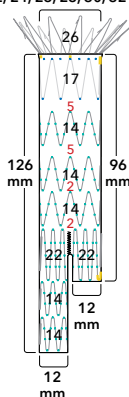


# Bifurcated Main Body Grafts

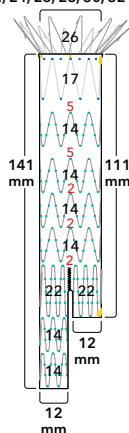
22, 24, 26, 28, 30, 32 mm



22, 24, 26, 28, 30, 32 mm



22, 24, 26, 28, 30, 32 mm



**Note:** Ipsilateral and contralateral limb diameters on all 22 mm diameter main body grafts are 11 mm.

## TFFB-XX-YY-ZT

TFFB-(main body diameter)-(main body contralateral length)-ZT

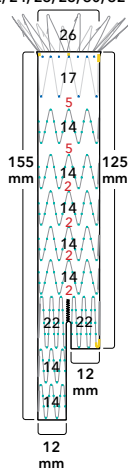
**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

## Contralateral and ipsilateral iliac legs:

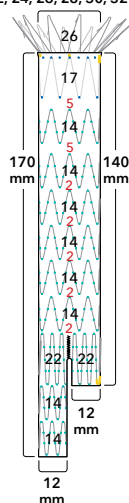
Refer to [pages 33-39](#) of this pocket guide for **Spiral-Z AAA Iliac Leg Grafts**.

# Bifurcated Main Body Grafts (Continued)

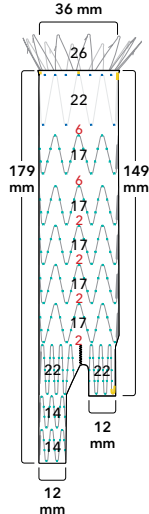
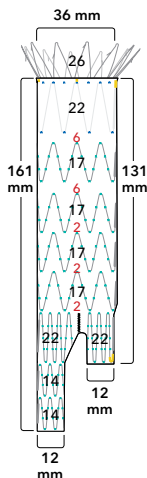
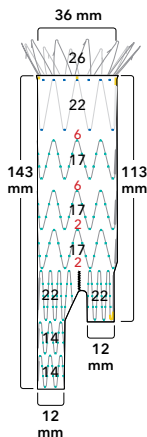
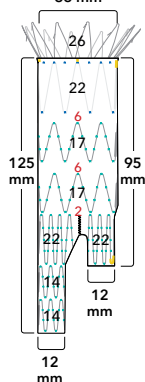
22, 24, 26, 28, 30, 32 mm



22, 24, 26, 28, 30, 32 mm



36 mm



**Note:** Ipsilateral and contralateral limb diameters on all 22 mm diameter main body grafts are 11 mm.

# Ancillary Components

| Order Number                | Reference Part Number | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------------|-----------------------|-------------|-----------|------------------------------------|
| <b>Main Body Extensions</b> |                       |             |           |                                    |
| G55204                      | ESBE-22-39-ZT         | 22          | 39        | 18 (6.0)/7.1                       |
| G55205                      | ESBE-24-39-ZT         | 24          | 39        | 18 (6.0)/7.1                       |
| G55206                      | ESBE-26-39-ZT         | 26          | 39        | 18 (6.0)/7.1                       |
| G55207                      | ESBE-28-39-ZT         | 28          | 39        | 20 (6.7)/7.7                       |
| G55208                      | ESBE-30-39-ZT         | 30          | 39        | 20 (6.7)/7.7                       |
| G55209                      | ESBE-32-39-ZT         | 32          | 39        | 20 (6.7)/7.7                       |
| G55210                      | ESBE-36-50-ZT         | 36          | 50        | 20 (6.7)/7.7                       |

| Order Number                | Reference Part Number | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------------|-----------------------|-------------|-----------|------------------------------------|
| <b>Main Body Extensions</b> |                       |             |           |                                    |
| G55211                      | ESBE-22-58-ZT         | 22          | 58        | 18 (6.0)/7.1                       |
| G55212                      | ESBE-24-58-ZT         | 24          | 58        | 18 (6.0)/7.1                       |
| G55213                      | ESBE-26-58-ZT         | 26          | 58        | 18 (6.0)/7.1                       |
| G55214                      | ESBE-28-58-ZT         | 28          | 58        | 20 (6.7)/7.7                       |
| G55215                      | ESBE-30-58-ZT         | 30          | 58        | 20 (6.7)/7.7                       |
| G55216                      | ESBE-32-58-ZT         | 32          | 58        | 20 (6.7)/7.7                       |
| G55217                      | ESBE-36-73-ZT         | 36          | 73        | 20 (6.7)/7.7                       |

| Order Number      | Reference Part Number | Proximal Diameter mm | Distal Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-------------------|-----------------------|----------------------|--------------------|-----------|------------------------------------|
| <b>Converters</b> |                       |                      |                    |           |                                    |
| G55191            | ESC-24-12-80-ZT       | 24                   | 12                 | 80        | 18 (6.0)/7.1                       |
| G55192            | ESC-28-12-80-ZT       | 28                   | 12                 | 80        | 20 (6.7)/7.7                       |
| G55193            | ESC-32-12-80-ZT       | 32                   | 12                 | 80        | 20 (6.7)/7.7                       |
| G55194            | ESC-36-12-82-ZT       | 36                   | 12                 | 82        | 20 (6.7)/7.7                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Ancillary Components (Continued)

| Order Number       | Reference Part Number | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|--------------------|-----------------------|-------------|-----------|------------------------------------|
| <b>Iliac Plugs</b> |                       |             |           |                                    |
| <b>G18505</b>      | <b>ZIP-14-30-ZT</b>   | 14          | 30        | 14 (4.7)/5.4                       |
| <b>G18506</b>      | <b>ZIP-16-30-ZT</b>   | 16          | 30        | 14 (4.7)/5.4                       |
| <b>G18507</b>      | <b>ZIP-20-30-ZT</b>   | 20          | 30        | 16 (5.3)/6.0                       |
| <b>G18508</b>      | <b>ZIP-24-30-ZT</b>   | 24          | 30        | 16 (5.3)/6.0                       |

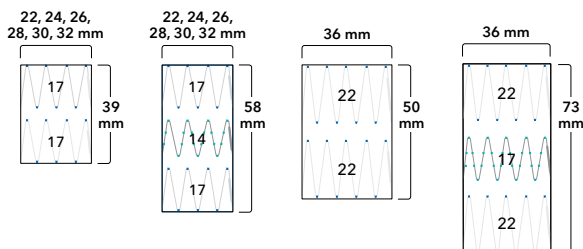
| Order Number               | Reference Part Number | Proximal Diameter mm | Distal Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|----------------------------|-----------------------|----------------------|--------------------|-----------|------------------------------------|
| <b>Iliac Leg Extension</b> |                       |                      |                    |           |                                    |
| <b>G55197</b>              | <b>ESLE-12-55-ZT</b>  | 12                   | 12                 | 55        | 14 (4.7)/5.4                       |
| <b>G55198</b>              | <b>ESLE-14-55-ZT</b>  | 14                   | 14                 | 55        | 14 (4.7)/5.4                       |
| <b>G55199</b>              | <b>ESLE-16-55-ZT</b>  | 16                   | 16                 | 55        | 14 (4.7)/5.4                       |
| <b>G55200</b>              | <b>ESLE-18-55-ZT</b>  | 18                   | 18                 | 55        | 16 (5.3)/6.0                       |
| <b>G55201</b>              | <b>ESLE-20-55-ZT</b>  | 20                   | 20                 | 55        | 16 (5.3)/6.0                       |
| <b>G55202</b>              | <b>ESLE-22-55-ZT</b>  | 22                   | 22                 | 55        | 16 (5.3)/6.0                       |
| <b>G55203</b>              | <b>ESLE-24-55-ZT</b>  | 24                   | 24                 | 55        | 16 (5.3)/6.0                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

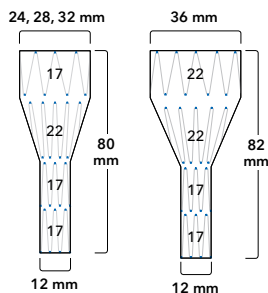


# Ancillary Components

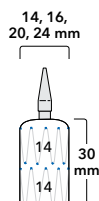
## Main Body Extensions



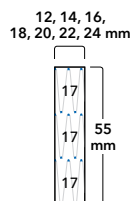
## Converters



## Iliac Plugs



## Iliac Leg Extensions



## Main Body Extensions

ESBE-XX-YY-ZT

ESBE-(diameter)-(length)-ZT

## Iliac Plugs

ZIP-XX-YY-ZT

ZIP-(diameter)-(length)-ZT

## Converters

ESC-XX-YY-ZZ-ZT

ESC-(proximal diameter)-(distal diameter)-(length)-ZT

## Iliac Leg Extensions

ESLE-XX-YY-ZT

ESLE-(diameter)-(length)-ZT

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths.

# Deployment Overview\*

## 1 MAIN BODY PLACEMENT

**Note:** Before insertion, position main body delivery system on patient's abdomen under fluoroscopy to determine the orientation of the contralateral limb radiopaque marker.

Insert main body delivery system over a stiff wire into the femoral artery. Advance delivery system until the four gold radiopaque markers (which are positioned 2 mm from the most proximal segment of the graft material) are just inferior to the most inferior renal orifice.

- 1a** Deploy the first two covered stents by withdrawing the sheath while monitoring device location. Check position of the contralateral limb radiopaque marker and location of renal arteries.

**Note:** A marker formation of √ indicates an anterior position of the short contralateral limb.

Proceed with deployment until contralateral limb is fully deployed. **Stop withdrawing sheath.**

## 2 CONTRALATERAL ILIAC WIRE GUIDE PLACEMENT

Manipulate catheter and wire guide through open end of contralateral limb into body of the endovascular graft. A-P and oblique fluoroscopic views aid in verification of device cannulation. Advance angiographic catheter over the wire into the body of the endovascular graft. Perform angiography to confirm position, then advance wire guide until it curves inside the body of the endovascular graft.

## 3 MAIN BODY PROXIMAL (TOP) DEPLOYMENT

Remove the safety lock from the top stent trigger-wire release mechanism. Withdraw and remove the trigger-wire release mechanism. Loosen the pin vise and deploy the suprarenal stent by advancing the top cap inner cannula 1 to 2 mm at a time until the top stent is fully deployed. Advance the top cap inner cannula an additional 1 to 2 cm and retighten the pin vise. Advance the contralateral wire guide into the thoracic aorta.

**Note:** Once the barbed suprarenal stent has been deployed, further attempts to reposition the graft are not recommended.

## 4 CONTRALATERAL ILIAC LEG PLACEMENT AND DEPLOYMENT

Introduce the contralateral iliac leg delivery system over a stiff wire into the femoral artery. Advance slowly until the iliac leg graft overlaps at least one full iliac leg stent inside the contralateral limb of the main body. Reposition the iliac leg graft if necessary to ensure both internal iliac patency and a minimum of one full iliac leg stent overlap (maximum 30 mm) within the main body endovascular graft. To deploy, hold the iliac leg graft in position with the gray positioner while withdrawing the sheath. Stop withdrawing the sheath as soon as the distal end of the iliac leg graft is released. Verify iliac leg graft position, loosen pin vise and retract inner cannula to dock tapered dilator to gray positioner. Tighten pin vise and withdraw gray positioner with secured inner cannula.

Close the Captor® Hemostatic Valve on the Flexor® Introducer Sheath.

## 5 MAIN BODY DISTAL (BOTTOM) DEPLOYMENT

Fully deploy the ipsilateral limb of the main body by withdrawing the sheath until the most distal stent has expanded. **Stop withdrawing sheath.** Remove the safety lock from the ipsilateral limb trigger-wire release mechanism. Withdraw and remove the trigger-wire release mechanism.

# Deployment Overview\* (Continued)

## 6 DOCKING OF TOP CAP

Loosen pin vise and advance the gray positioner over the inner cannula until it docks with the top cap. Retighten pin vise and withdraw the entire top cap and gray positioner through the endovascular graft and through the sheath by pulling on the inner cannula.

**Note:** Maintain position of sheath and wire guide.

Close the Captor® Hemostatic Valve on the Flexor® Introducer Sheath.

## 7 IPSILATERAL ILIAC LEG PLACEMENT AND DEPLOYMENT

Use the main body graft stiff wire and sheath to introduce the ipsilateral iliac leg graft. Advance ipsilateral iliac leg delivery system into the main body sheath. Advance slowly until the ipsilateral iliac leg graft overlaps a minimum of one full iliac leg stent inside the ipsilateral limb of the main body. Reposition the iliac leg graft if necessary to ensure internal iliac patency. To deploy, stabilize the iliac leg graft with the gray positioner while withdrawing the iliac leg sheath. Verify iliac leg graft position, loosen pin vise and retract inner cannula to dock tapered dilator to gray positioner. Tighten pin vise and withdraw gray positioner with secured inner cannula. Close the Captor Hemostatic Valve on the Flexor Introducer Sheath.

## 8 MOLDING BALLOON INSERTION

Advance the molding balloon over the stiff wire guide and through the hemostatic valve of the main body introduction system to the level of the renal arteries. Expand the molding balloon with diluted contrast media in the area of the most proximal covered stent and the infrarenal neck, starting proximally and working in the distal direction.

**Caution:** Confirm complete balloon deflation prior to repositioning.

**Caution:** Captor Hemostatic Valve must be open prior to repositioning of molding balloon.

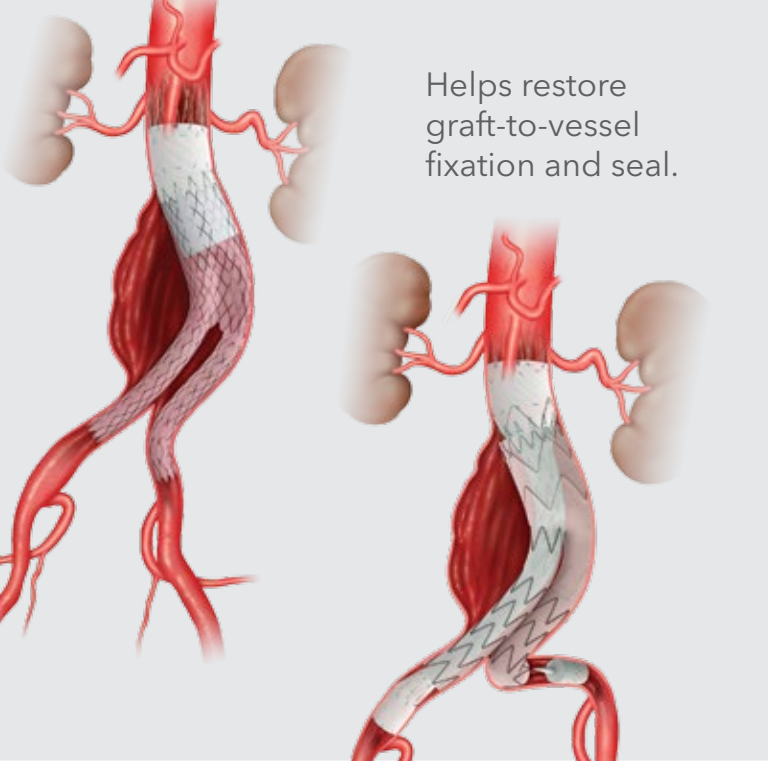
Withdraw the molding balloon to both the ipsilateral limb overlap and the ipsilateral distal fixation site and expand. Deflate and remove molding balloon. Transfer the molding balloon onto the contralateral stiff wire guide and into the contralateral iliac leg introduction system. Advance molding balloon to the contralateral limb overlap and expand. Withdraw the molding balloon to the contralateral iliac leg/vessel distal fixation and expand.

**Caution:** Do not inflate balloon in vessel outside of graft.

Deflate and remove molding balloon and replace it with an angiographic catheter to perform completion angiography.

*\*This deployment overview is an outline highlighting the deployment process for the Zenith Flex AAA Endovascular Graft. The Instructions for Use booklet should be consulted for a more thorough examination of the deployment protocol, indications, contraindications, warnings, and precautions.*



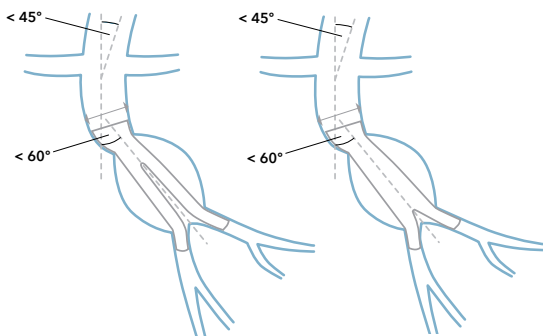


Helps restore  
graft-to-vessel  
fixation and seal.

# Zenith Renu<sup>®</sup>

AAA ANCILLARY GRAFT

# Indications for Use



|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------|
| <b>Indications for Use</b>            | Secondary endovascular intervention in patients having received prior endovascular repair of infrarenal abdominal aortic or aortoiliac aneurysms in which there is inadequate proximal fixation or seal.                                                                                                                                                                                                        |                                                    |                                                 |
| <b>Length</b>                         | Lowest renal artery to bifurcation of previously placed graft of > 43 mm for the main body extension and > 37 mm for the converter.                                                                                                                                                                                                                                                                             |                                                    |                                                 |
| <b>Aortic Fixation Site Diameter</b>  | 18-32 mm (measured outer wall to outer wall)                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                                 |
| <b>Angulation/ Curvature</b>          | <ul style="list-style-type: none"> <li>• Angle &lt; 60 degrees relative to the long axis of the aneurysm</li> <li>• Angle &lt; 45 degrees relative to the axis of the suprarenal aorta</li> </ul>                                                                                                                                                                                                               |                                                    |                                                 |
| <b>Converter Distal Fixation Site</b> | For the converter used without an iliac leg, distal fixation site within a graft segment of $\leq 12$ mm in diameter and $\geq 17$ mm (one Cook-Z® stent) in length, with more overlap length being preferred. For the converter used in combination with the iliac leg, distal fixation site 7.5-20 mm in diameter (measured outer wall to outer wall) and > 10 mm in length with 20 to 30 mm being preferred. |                                                    |                                                 |
| <b>Main Body Distal Fixation Site</b> | Main body extension distal fixation site within a graft segment of $\leq 34$ mm diameter and at least one Cook-Z stent in length, with more overlap length being preferred.                                                                                                                                                                                                                                     |                                                    |                                                 |
| <b>Access</b>                         | Adequate femoral/iliac access compatible with the required introduction systems                                                                                                                                                                                                                                                                                                                                 |                                                    |                                                 |
| <b>Introducer Diameters</b>           | 22-26 mm grafts:<br>ID 18 Fr (6.0 mm)<br>OD 7.1 mm                                                                                                                                                                                                                                                                                                                                                              | 28-32 mm grafts:<br>ID 20 Fr (6.7 mm)<br>OD 7.7 mm | 36 mm grafts:<br>ID 22 Fr (7.3 mm)<br>OD 8.5 mm |
| <b>Contraindications</b>              | <ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to stainless steel, polyester, solder (tin, silver), nitinol, polypropylene or gold.</li> <li>• Patients with a systemic infection who may be at increased risk of endovascular graft infection.</li> </ul>                                                                                                             |                                                    |                                                 |

# Converters

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Proximal/ Distal Diameter mm | Proximal/ Distal Length mm | Total Length mm | Introducer Sheath ID/OD Fr (mm)/ mm |
|-----------------------|-----------------------|---------------------|------------------------------|----------------------------|-----------------|-------------------------------------|
| <b>22 mm Diameter</b> |                       |                     |                              |                            |                 |                                     |
| G55355                | AX1-1-22-108-ZT       | 18-19               | 22/12                        | 37/71                      | 108             | 18 (6.0)/7.1                        |
| G55356                | AX1-1-22-125-ZT       | 18-19               | 22/12                        | 37/88                      | 125             | 18 (6.0)/7.1                        |
| G55357                | AX1-2-22-113-ZT       | 18-19               | 22/12                        | 59/54                      | 113             | 18 (6.0)/7.1                        |
| <b>24 mm Diameter</b> |                       |                     |                              |                            |                 |                                     |
| G55361                | AX1-1-24-108-ZT       | 20-21               | 24/12                        | 37/71                      | 108             | 18 (6.0)/7.1                        |
| G55362                | AX1-1-24-125-ZT       | 20-21               | 24/12                        | 37/88                      | 125             | 18 (6.0)/7.1                        |
| G55363                | AX1-2-24-113-ZT       | 20-21               | 24/12                        | 59/54                      | 113             | 18 (6.0)/7.1                        |
| <b>26 mm Diameter</b> |                       |                     |                              |                            |                 |                                     |
| G55367                | AX1-1-26-108-ZT       | 22                  | 26/12                        | 37/71                      | 108             | 18 (6.0)/7.1                        |
| G55368                | AX1-1-26-125-ZT       | 22                  | 26/12                        | 37/88                      | 125             | 18 (6.0)/7.1                        |
| G55369                | AX1-2-26-113-ZT       | 22                  | 26/12                        | 59/54                      | 113             | 18 (6.0)/7.1                        |
| <b>28 mm Diameter</b> |                       |                     |                              |                            |                 |                                     |
| G55374                | AX1-1-28-108-ZT       | 23-24               | 28/12                        | 37/71                      | 108             | 20 (6.7)/7.7                        |
| G55375                | AX1-1-28-125-ZT       | 23-24               | 28/12                        | 37/88                      | 125             | 20 (6.7)/7.7                        |
| G55376                | AX1-2-28-113-ZT       | 23-24               | 28/12                        | 59/54                      | 113             | 20 (6.7)/7.7                        |
| <b>30 mm Diameter</b> |                       |                     |                              |                            |                 |                                     |
| G55380                | AX1-1-30-108-ZT       | 25-26               | 30/12                        | 37/71                      | 108             | 20 (6.7)/7.7                        |
| G55381                | AX1-1-30-125-ZT       | 25-26               | 30/12                        | 37/88                      | 125             | 20 (6.7)/7.7                        |
| G55382                | AX1-2-30-113-ZT       | 25-26               | 30/12                        | 59/54                      | 113             | 20 (6.7)/7.7                        |
| <b>32 mm Diameter</b> |                       |                     |                              |                            |                 |                                     |
| G55386                | AX1-1-32-108-ZT       | 27-28               | 32/12                        | 37/71                      | 108             | 20 (6.7)/7.7                        |
| G55387                | AX1-1-32-125-ZT       | 27-28               | 32/12                        | 37/88                      | 125             | 20 (6.7)/7.7                        |
| G55388                | AX1-2-32-113-ZT       | 27-28               | 32/12                        | 59/54                      | 113             | 20 (6.7)/7.7                        |
| <b>36 mm Diameter</b> |                       |                     |                              |                            |                 |                                     |
| G55392                | AX1-1-36-116-ZT       | 29-32               | 36/12                        | 52/64                      | 116             | 22 (7.3)/8.5                        |
| G55394                | AX1-2-36-127-ZT       | 29-32               | 36/12                        | 80/47                      | 127             | 22 (7.3)/8.5                        |

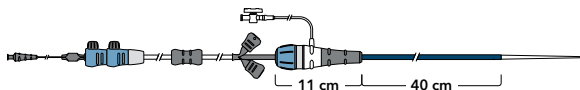
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Z-Trak® Introduction System for Renu Converters

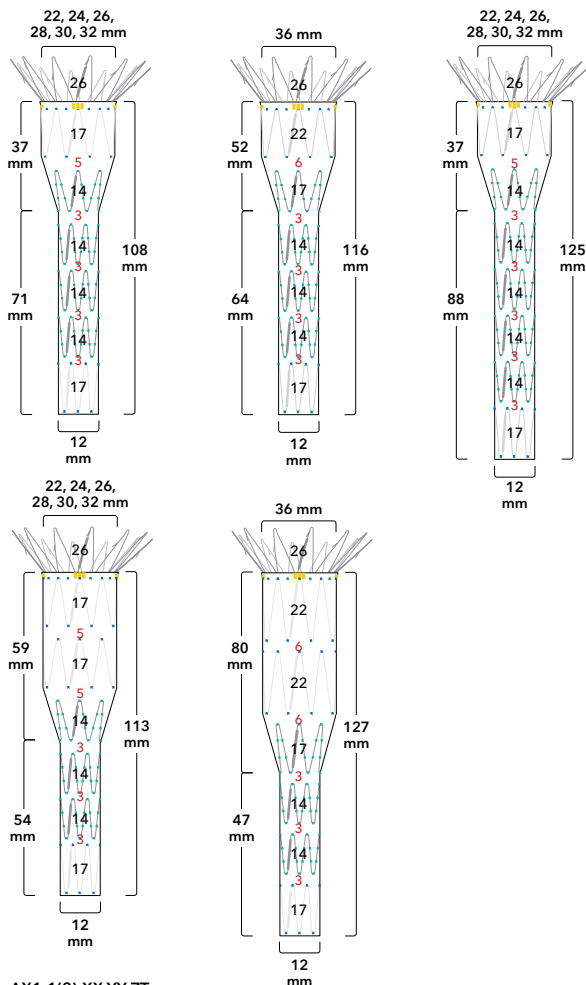
22-26 mm grafts: 18 Fr (6.0 mm) ID/7.1 mm OD

28-32 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

36 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD



## Converters



AX1-1(2)-XX-YY-ZT

AX1-1(2)-(proximal diameter)-(total length)-ZT

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

**Contralateral and ipsilateral iliac legs:**

Refer to **pages 33-39** of this pocket guide for **Spiral-Z AAA Iliac Leg Grafts**.



# Main Body Extensions

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/7.1 |
|-----------------------|-----------------------|---------------------|-------------|-----------|-------------------------------------|
| <b>22 mm Diameter</b> |                       |                     |             |           |                                     |
| G55397                | RX1-22-43-ZT          | 18-19               | 22          | 43        | 18 (6.0)/7.1                        |
| G55398                | RX1-22-62-ZT          | 18-19               | 22          | 62        | 18 (6.0)/7.1                        |
| <b>24 mm Diameter</b> |                       |                     |             |           |                                     |
| G55400                | RX1-24-43-ZT          | 20-21               | 24          | 43        | 18 (6.0)/7.1                        |
| G55401                | RX1-24-62-ZT          | 20-21               | 24          | 62        | 18 (6.0)/7.1                        |
| <b>26 mm Diameter</b> |                       |                     |             |           |                                     |
| G55403                | RX1-26-43-ZT          | 22                  | 26          | 43        | 18 (6.0)/7.1                        |
| G55404                | RX1-26-62-ZT          | 22                  | 26          | 62        | 18 (6.0)/7.1                        |
| <b>28 mm Diameter</b> |                       |                     |             |           |                                     |
| G55406                | RX1-28-43-ZT          | 23-24               | 28          | 43        | 20 (6.7)/7.7                        |
| G55407                | RX1-28-62-ZT          | 23-24               | 28          | 62        | 20 (6.7)/7.7                        |
| <b>30 mm Diameter</b> |                       |                     |             |           |                                     |
| G55409                | RX1-30-43-ZT          | 25-26               | 30          | 43        | 20 (6.7)/7.7                        |
| G55410                | RX1-30-62-ZT          | 25-26               | 30          | 62        | 20 (6.7)/7.7                        |
| <b>32 mm Diameter</b> |                       |                     |             |           |                                     |
| G55412                | RX1-32-43-ZT          | 27-28               | 32          | 43        | 20 (6.7)/7.7                        |
| G55413                | RX1-32-62-ZT          | 27-28               | 32          | 62        | 20 (6.7)/7.7                        |
| <b>36 mm Diameter</b> |                       |                     |             |           |                                     |
| G55415                | RX1-36-54-ZT          | 29-32               | 36          | 54        | 22 (7.3)/8.5                        |
| G55416                | RX1-36-77-ZT          | 29-32               | 36          | 77        | 22 (7.3)/8.5                        |

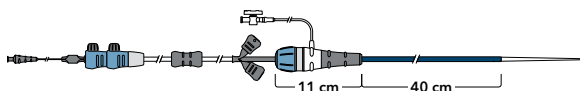
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Z-Trak® Introduction System for Renu Main Body Extensions

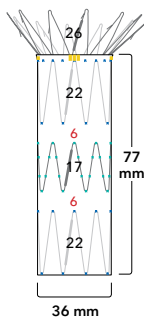
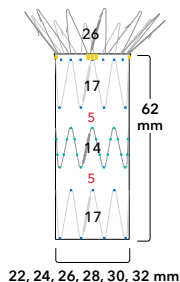
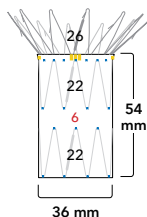
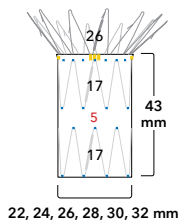
22-26 mm grafts: 18 Fr (6.0 mm) ID/7.1 mm OD

28-32 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

36 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD



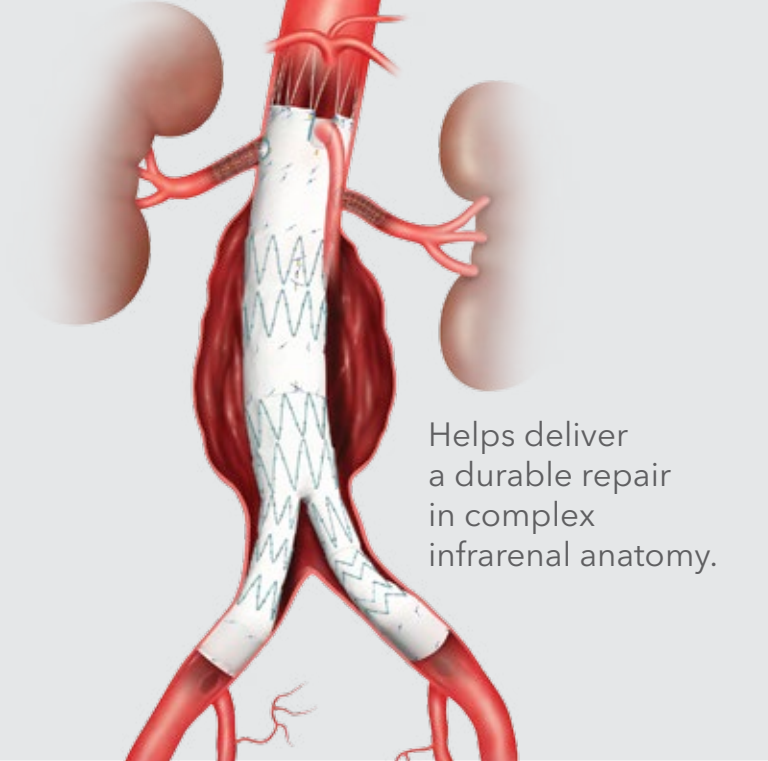
# Main Body Extensions



**RX1-XX-YY-ZT**

**RX1-(diameter)-(length)-ZT**

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

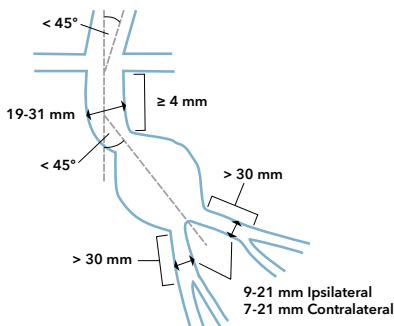


Helps deliver  
a durable repair  
in complex  
infrarenal anatomy.

# Zenith® Fenestrated

AAA ENDOVASCULAR GRAFT

# Indications for Use



|                                          |                                                                                                                                                                                                                                                                                                          |                                |  |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--|
| <b>Indications for Use</b>               | Endovascular treatment of patients with abdominal aortic or aortoiliac aneurysms having morphology suitable for endovascular repair.                                                                                                                                                                     |                                |  |
| <b>Length</b>                            | ≥ 4 mm nonaneurysmal neck                                                                                                                                                                                                                                                                                |                                |  |
| <b>Aortic Fixation Site Diameter</b>     | 19-31 mm (measured outer wall to outer wall)                                                                                                                                                                                                                                                             |                                |  |
| <b>Angulation/ Curvature</b>             | <ul style="list-style-type: none"> <li>• Angle &lt; 45 degrees relative to the long axis of the aneurysm</li> <li>• Angle &lt; 45 degrees relative to the axis of the suprarenal aorta</li> </ul>                                                                                                        |                                |  |
| <b>Ipsilateral Iliac Fixation Site</b>   | Distal fixation site > 30 mm in length and 9-21 mm in diameter (measured outer wall to outer wall)                                                                                                                                                                                                       |                                |  |
| <b>Contralateral Iliac Fixation Site</b> | Distal fixation site > 30 mm in length and 7-21 mm in diameter (measured outer wall to outer wall)                                                                                                                                                                                                       |                                |  |
| <b>Access</b>                            | Adequate femoral/iliac access compatible with the required introduction systems                                                                                                                                                                                                                          |                                |  |
| <b>Introducer Diameters</b>              | ID 20 Fr (6.7 mm)<br>OD 7.7 mm                                                                                                                                                                                                                                                                           | ID 22 Fr (7.3 mm)<br>OD 8.5 mm |  |
| <b>Contraindications</b>                 | <ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to stainless steel, polyester, nitinol, solder (tin, silver), polypropylene, or gold</li> <li>• Patients with systemic or local infection that may increase the risk of endovascular graft infection.</li> </ul> |                                |  |

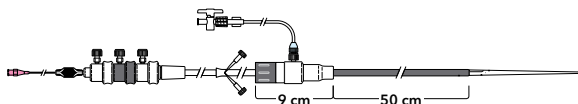
# Proximal Body Grafts

| Order Number                       | Reference Part Number | Aortic Vessel OD mm | Proximal Body Diameter mm | Proximal Body Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|------------------------------------|-----------------------|---------------------|---------------------------|-------------------------|------------------------------------|
| <b>One Proximal Internal Stent</b> |                       |                     |                           |                         |                                    |
| <b>24 mm Diameter</b>              |                       |                     |                           |                         |                                    |
| G32502                             | ZFEN-P-1-24-76-R      | 19-21               | 24                        | 76                      | 20 (6.7)/7.7                       |
| G32507                             | ZFEN-P-1-24-91-R      | 19-21               | 24                        | 91                      | 20 (6.7)/7.7                       |
| G32512                             | ZFEN-P-1-24-106-R     | 19-21               | 24                        | 106                     | 20 (6.7)/7.7                       |
| G32517                             | ZFEN-P-1-24-121-R     | 19-21               | 24                        | 121                     | 20 (6.7)/7.7                       |
| <b>26 mm Diameter</b>              |                       |                     |                           |                         |                                    |
| G32503                             | ZFEN-P-1-26-76-R      | 21-22               | 26                        | 76                      | 20 (6.7)/7.7                       |
| G32508                             | ZFEN-P-1-26-91-R      | 21-22               | 26                        | 91                      | 20 (6.7)/7.7                       |
| G32513                             | ZFEN-P-1-26-106-R     | 21-22               | 26                        | 106                     | 20 (6.7)/7.7                       |
| G32518                             | ZFEN-P-1-26-121-R     | 21-22               | 26                        | 121                     | 20 (6.7)/7.7                       |
| <b>28 mm Diameter</b>              |                       |                     |                           |                         |                                    |
| G32504                             | ZFEN-P-1-28-76-R      | 23-24               | 28                        | 76                      | 20 (6.7)/7.7                       |
| G32509                             | ZFEN-P-1-28-91-R      | 23-24               | 28                        | 91                      | 20 (6.7)/7.7                       |
| G32514                             | ZFEN-P-1-28-106-R     | 23-24               | 28                        | 106                     | 20 (6.7)/7.7                       |
| G32519                             | ZFEN-P-1-28-121-R     | 23-24               | 28                        | 121                     | 20 (6.7)/7.7                       |
| <b>30 mm Diameter</b>              |                       |                     |                           |                         |                                    |
| G32505                             | ZFEN-P-1-30-76-R      | 24-26               | 30                        | 76                      | 20 (6.7)/7.7                       |
| G32510                             | ZFEN-P-1-30-91-R      | 24-26               | 30                        | 91                      | 20 (6.7)/7.7                       |
| G32515                             | ZFEN-P-1-30-106-R     | 24-26               | 30                        | 106                     | 20 (6.7)/7.7                       |
| G32520                             | ZFEN-P-1-30-121-R     | 24-26               | 30                        | 121                     | 20 (6.7)/7.7                       |
| <b>32 mm Diameter</b>              |                       |                     |                           |                         |                                    |
| G32506                             | ZFEN-P-1-32-76-R      | 26-28               | 32                        | 76                      | 20 (6.7)/7.7                       |
| G32511                             | ZFEN-P-1-32-91-R      | 26-28               | 32                        | 91                      | 20 (6.7)/7.7                       |
| G32516                             | ZFEN-P-1-32-106-R     | 26-28               | 32                        | 106                     | 20 (6.7)/7.7                       |
| G32521                             | ZFEN-P-1-32-121-R     | 26-28               | 32                        | 121                     | 20 (6.7)/7.7                       |
| <b>34 mm Diameter</b>              |                       |                     |                           |                         |                                    |
| G32522                             | ZFEN-P-1-34-84-R      | 28-29               | 34                        | 84                      | 20 (6.7)/7.7                       |
| G32524                             | ZFEN-P-1-34-99-R      | 28-29               | 34                        | 99                      | 20 (6.7)/7.7                       |
| G32526                             | ZFEN-P-1-34-114-R     | 28-29               | 34                        | 114                     | 20 (6.7)/7.7                       |
| G32528                             | ZFEN-P-1-34-129-R     | 28-29               | 34                        | 129                     | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b>              |                       |                     |                           |                         |                                    |
| G32523                             | ZFEN-P-1-36-84-R      | 29-31               | 36                        | 84                      | 22 (7.3)/8.5                       |
| G32525                             | ZFEN-P-1-36-99-R      | 29-31               | 36                        | 99                      | 22 (7.3)/8.5                       |
| G32527                             | ZFEN-P-1-36-114-R     | 29-31               | 36                        | 114                     | 22 (7.3)/8.5                       |
| G32529                             | ZFEN-P-1-36-129-R     | 29-31               | 36                        | 129                     | 22 (7.3)/8.5                       |

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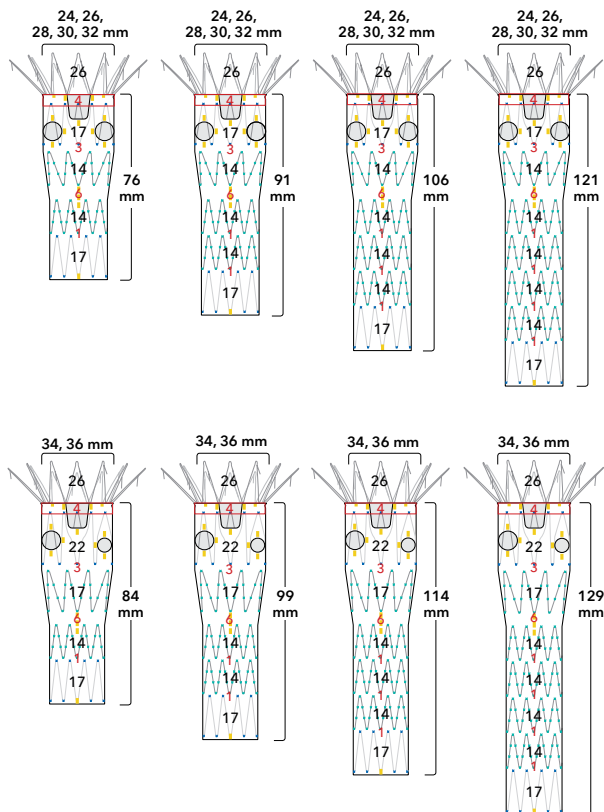
## H&L-B One-Shot® Introduction System for Proximal Body Grafts

20 Fr (6.7 mm) ID/7.7 mm OD, 22 Fr (7.3 mm) ID/8.5 mm OD



# Proximal Body Grafts

## One Internal Proximal Stent



ZFEN-P-1-XX-YY-R

ZFEN-P-1-(proximal body diameter)-(proximal body length)-R

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

**Contralateral and ipsilateral iliac legs:**

Refer to **pages 33-39** of this pocket guide for **Spiral-Z AAA Iliac Leg Grafts**.

# Proximal Body Grafts

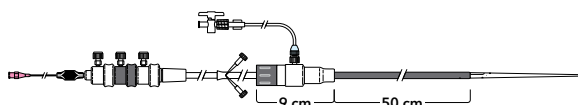
| Order Number                        | Reference Part Number | Aortic Vessel OD mm | Proximal Body Diameter mm | Proximal Body Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-------------------------------------|-----------------------|---------------------|---------------------------|-------------------------|------------------------------------|
| <b>Two Proximal Internal Stents</b> |                       |                     |                           |                         |                                    |
| <b>24 mm Diameter</b>               |                       |                     |                           |                         |                                    |
| G32530                              | ZFEN-P-2-24-94-R      | 19-21               | 24                        | 94                      | 20 (6.7)/7.7                       |
| G32535                              | ZFEN-P-2-24-109-R     | 19-21               | 24                        | 109                     | 20 (6.7)/7.7                       |
| G32540                              | ZFEN-P-2-24-124-R     | 19-21               | 24                        | 124                     | 20 (6.7)/7.7                       |
| <b>26 mm Diameter</b>               |                       |                     |                           |                         |                                    |
| G32531                              | ZFEN-P-2-26-94-R      | 21-22               | 26                        | 94                      | 20 (6.7)/7.7                       |
| G32536                              | ZFEN-P-2-26-109-R     | 21-22               | 26                        | 109                     | 20 (6.7)/7.7                       |
| G32541                              | ZFEN-P-2-26-124-R     | 21-22               | 26                        | 124                     | 20 (6.7)/7.7                       |
| <b>28 mm Diameter</b>               |                       |                     |                           |                         |                                    |
| G32532                              | ZFEN-P-2-28-94-R      | 23-24               | 28                        | 94                      | 20 (6.7)/7.7                       |
| G32537                              | ZFEN-P-2-28-109-R     | 23-24               | 28                        | 109                     | 20 (6.7)/7.7                       |
| G32542                              | ZFEN-P-2-28-124-R     | 23-24               | 28                        | 124                     | 20 (6.7)/7.7                       |
| <b>30 mm Diameter</b>               |                       |                     |                           |                         |                                    |
| G32533                              | ZFEN-P-2-30-94-R      | 24-26               | 30                        | 94                      | 20 (6.7)/7.7                       |
| G32538                              | ZFEN-P-2-30-109-R     | 24-26               | 30                        | 109                     | 20 (6.7)/7.7                       |
| G32543                              | ZFEN-P-2-30-124-R     | 24-26               | 30                        | 124                     | 20 (6.7)/7.7                       |
| <b>32 mm Diameter</b>               |                       |                     |                           |                         |                                    |
| G32534                              | ZFEN-P-2-32-94-R      | 26-28               | 32                        | 94                      | 20 (6.7)/7.7                       |
| G32539                              | ZFEN-P-2-32-109-R     | 26-28               | 32                        | 109                     | 20 (6.7)/7.7                       |
| G32544                              | ZFEN-P-2-32-124-R     | 26-28               | 32                        | 124                     | 20 (6.7)/7.7                       |
| <b>34 mm Diameter</b>               |                       |                     |                           |                         |                                    |
| G32545                              | ZFEN-P-2-34-107-R     | 28-29               | 34                        | 107                     | 20 (6.7)/7.7                       |
| G32547                              | ZFEN-P-2-34-122-R     | 28-29               | 34                        | 122                     | 20 (6.7)/7.7                       |
| G32549                              | ZFEN-P-2-34-137-R     | 28-29               | 34                        | 137                     | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b>               |                       |                     |                           |                         |                                    |
| G32546                              | ZFEN-P-2-36-107-R     | 29-31               | 36                        | 107                     | 22 (7.3)/8.5                       |
| G32548                              | ZFEN-P-2-36-122-R     | 29-31               | 36                        | 122                     | 22 (7.3)/8.5                       |
| G32550                              | ZFEN-P-2-36-137-R     | 29-31               | 36                        | 137                     | 22 (7.3)/8.5                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## H&L-B One-Shot® Introduction System for Proximal Body Grafts

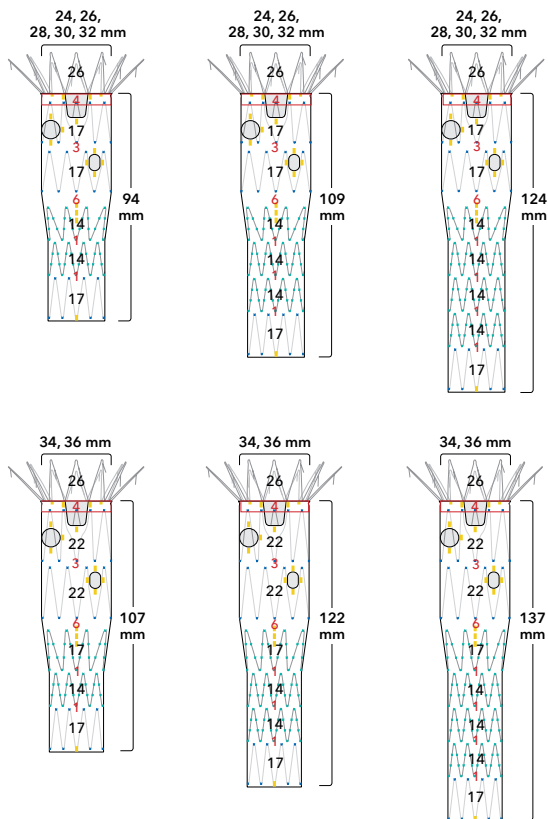
20 Fr (6.7 mm) ID/7.7 mm OD

22 Fr (7.3 mm) ID/8.5 mm OD



# Proximal Body Grafts

## Two Internal Proximal Stents



ZFEN-P-2-XX-YY-R

ZFEN-P-2-(proximal body diameter)-(proximal body length)-R

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

**Contralateral and ipsilateral iliac legs:**

Refer to **pages 33-39** of this pocket guide for **Spiral-Z AAA Iliac Leg Grafts**.



# Distal Bifurcated Body Grafts

| Order Number                        | Reference Part Number | Ipsilateral Leg Diameter mm | Distal Body Length mm | Distal Leg Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-------------------------------------|-----------------------|-----------------------------|-----------------------|----------------------|------------------------------------|
| <b>Distal Bifurcated Body Graft</b> |                       |                             |                       |                      |                                    |
| G32551                              | ZFEN-D-12-28-76-C     | 12                          | 76                    | 28                   | 20 (6.7)/7.7                       |
| G32554                              | ZFEN-D-12-28-91-C     | 12                          | 91                    | 28                   | 20 (6.7)/7.7                       |
| G32500                              | ZFEN-D-12-28-106-C    | 12                          | 106                   | 28                   | 20 (6.7)/7.7                       |
| G32501                              | ZFEN-D-12-28-121-C    | 12                          | 121                   | 28                   | 20 (6.7)/7.7                       |
| G32561                              | ZFEN-D-12-45-76-C     | 12                          | 76                    | 45                   | 20 (6.7)/7.7                       |
| G32565                              | ZFEN-D-12-45-91-C     | 12                          | 91                    | 45                   | 20 (6.7)/7.7                       |
| G32569                              | ZFEN-D-12-45-106-C    | 12                          | 106                   | 45                   | 20 (6.7)/7.7                       |
| G32573                              | ZFEN-D-12-45-121-C    | 12                          | 121                   | 45                   | 20 (6.7)/7.7                       |
| G32577                              | ZFEN-D-12-62-76-C     | 12                          | 76                    | 62                   | 20 (6.7)/7.7                       |
| G32580                              | ZFEN-D-12-62-91-C     | 12                          | 91                    | 62                   | 20 (6.7)/7.7                       |
| G32584                              | ZFEN-D-12-62-106-C    | 12                          | 106                   | 62                   | 20 (6.7)/7.7                       |
| G32588                              | ZFEN-D-12-62-121-C    | 12                          | 121                   | 62                   | 20 (6.7)/7.7                       |
| G32552                              | ZFEN-D-16-28-76-C     | 16                          | 76                    | 28                   | 20 (6.7)/7.7                       |
| G32555                              | ZFEN-D-16-28-91-C     | 16                          | 91                    | 28                   | 20 (6.7)/7.7                       |
| G32557                              | ZFEN-D-16-28-106-C    | 16                          | 106                   | 28                   | 20 (6.7)/7.7                       |
| G32559                              | ZFEN-D-16-28-121-C    | 16                          | 121                   | 28                   | 20 (6.7)/7.7                       |
| G32562                              | ZFEN-D-16-45-76-C     | 16                          | 76                    | 45                   | 20 (6.7)/7.7                       |
| G32566                              | ZFEN-D-16-45-91-C     | 16                          | 91                    | 45                   | 20 (6.7)/7.7                       |
| G32570                              | ZFEN-D-16-45-106-C    | 16                          | 106                   | 45                   | 20 (6.7)/7.7                       |
| G32574                              | ZFEN-D-16-45-121-C    | 16                          | 121                   | 45                   | 20 (6.7)/7.7                       |
| G32592                              | ZFEN-D-16-62-76-C     | 16                          | 76                    | 62                   | 20 (6.7)/7.7                       |
| G32581                              | ZFEN-D-16-62-91-C     | 16                          | 91                    | 62                   | 20 (6.7)/7.7                       |
| G32585                              | ZFEN-D-16-62-106-C    | 16                          | 106                   | 62                   | 20 (6.7)/7.7                       |
| G32589                              | ZFEN-D-16-62-121-C    | 16                          | 121                   | 62                   | 20 (6.7)/7.7                       |
| G32553                              | ZFEN-D-20-28-76-C     | 20                          | 76                    | 28                   | 20 (6.7)/7.7                       |
| G32556                              | ZFEN-D-20-28-91-C     | 20                          | 91                    | 28                   | 20 (6.7)/7.7                       |
| G32558                              | ZFEN-D-20-28-106-C    | 20                          | 106                   | 28                   | 20 (6.7)/7.7                       |
| G32560                              | ZFEN-D-20-28-121-C    | 20                          | 121                   | 28                   | 20 (6.7)/7.7                       |
| G32563                              | ZFEN-D-20-45-76-C     | 20                          | 76                    | 45                   | 20 (6.7)/7.7                       |
| G32567                              | ZFEN-D-20-45-91-C     | 20                          | 91                    | 45                   | 20 (6.7)/7.7                       |
| G32571                              | ZFEN-D-20-45-106-C    | 20                          | 106                   | 45                   | 20 (6.7)/7.7                       |
| G32575                              | ZFEN-D-20-45-121-C    | 20                          | 121                   | 45                   | 20 (6.7)/7.7                       |
| G32578                              | ZFEN-D-20-62-76-C     | 20                          | 76                    | 62                   | 20 (6.7)/7.7                       |
| G32582                              | ZFEN-D-20-62-91-C     | 20                          | 91                    | 62                   | 20 (6.7)/7.7                       |
| G32586                              | ZFEN-D-20-62-106-C    | 20                          | 106                   | 62                   | 20 (6.7)/7.7                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

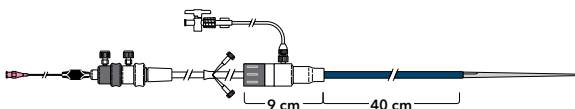
# Distal Bifurcated Body Grafts (Continued)

| Order Number                        | Reference Part Number | Ipsilateral Leg Diameter mm | Distal Body Length mm | Distal Leg Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-------------------------------------|-----------------------|-----------------------------|-----------------------|----------------------|------------------------------------|
| <b>Distal Bifurcated Body Graft</b> |                       |                             |                       |                      |                                    |
| G32590                              | ZFEN-D-20-62-121-C    | 20                          | 121                   | 62                   | 20 (6.7)/7.7                       |
| G32564                              | ZFEN-D-24-45-76-C     | 24                          | 76                    | 45                   | 20 (6.7)/7.7                       |
| G32568                              | ZFEN-D-24-45-91-C     | 24                          | 91                    | 45                   | 20 (6.7)/7.7                       |
| G32572                              | ZFEN-D-24-45-106-C    | 24                          | 106                   | 45                   | 20 (6.7)/7.7                       |
| G32576                              | ZFEN-D-24-45-121-C    | 24                          | 121                   | 45                   | 20 (6.7)/7.7                       |
| G32579                              | ZFEN-D-24-62-76-C     | 24                          | 76                    | 62                   | 20 (6.7)/7.7                       |
| G32583                              | ZFEN-D-24-62-91-C     | 24                          | 91                    | 62                   | 20 (6.7)/7.7                       |
| G32587                              | ZFEN-D-24-62-106-C    | 24                          | 106                   | 62                   | 20 (6.7)/7.7                       |
| G32591                              | ZFEN-D-24-62-121-C    | 24                          | 121                   | 62                   | 20 (6.7)/7.7                       |

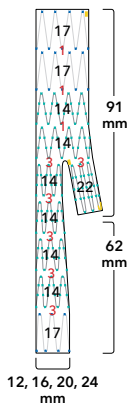
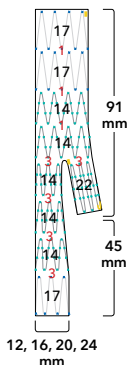
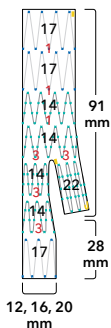
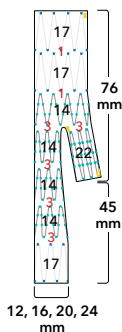
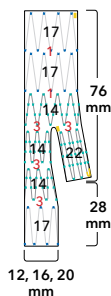
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## H&L-B One-Shot® Introduction System for Distal Body Grafts

20 Fr (6.7 mm) ID/7.7 mm OD



# Distal Bifurcated Body Grafts



## ZFEN-D-XX-YY-ZZ-C

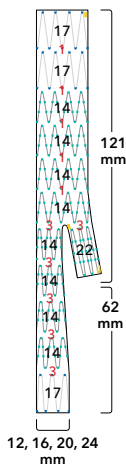
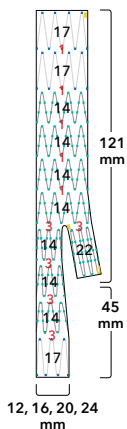
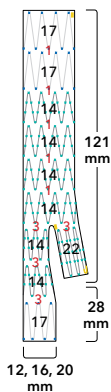
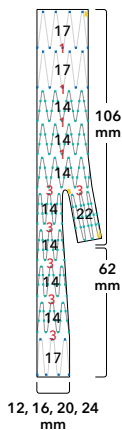
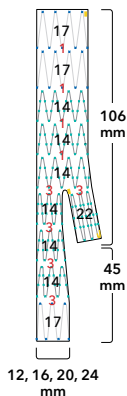
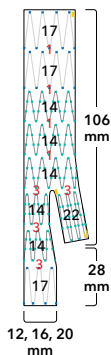
ZFEN-D-(ipsilateral leg diameter)-(distal leg length)-(distal body length)-C

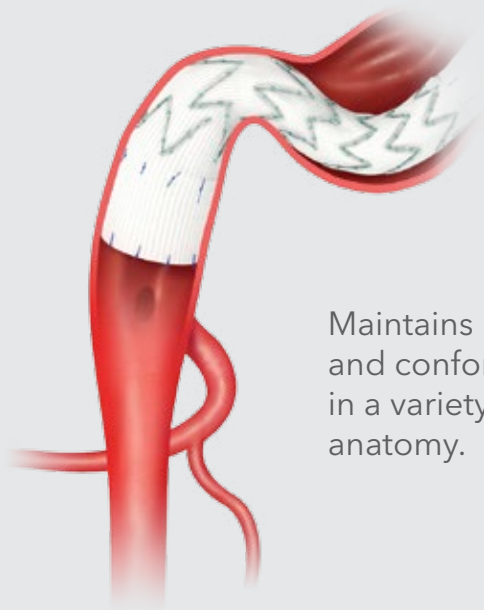
**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

### Contralateral and ipsilateral iliac legs:

Refer to **pages 33-39** of this pocket guide for **Spiral-Z AAA Iliac Leg Grafts**.

# Distal Bifurcated Body Grafts (Continued)





Maintains patency  
and conformability  
in a variety of iliac  
anatomy.

# Zenith<sup>®</sup> Spiral-Z<sup>®</sup>

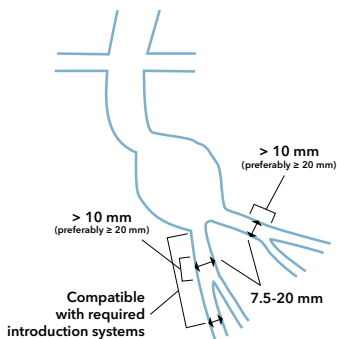
AAA ILIAC LEG GRAFT

Zenith Flex

Zenith Renu

Zenith Fenestrated

# Indications for Use



|                                          |                                                                                                                                                                                                                                                                                                    |                                                    |  |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--|
| <b>Indications for Use</b>               | For use with the Zenith® AAA Endovascular Graft family of products, during either a primary or a secondary procedure in patients who have adequate iliac/femoral access compatible with the required introduction systems.                                                                         |                                                    |  |
| <b>Ipsilateral Iliac Fixation Site</b>   | Distal fixation site >10 mm in length and 7.5-20 mm in diameter (measured outer wall to outer wall)                                                                                                                                                                                                |                                                    |  |
| <b>Contralateral Iliac Fixation Site</b> | Distal fixation site >10 mm in length and 7.5-20 mm in diameter (measured outer wall to outer wall)                                                                                                                                                                                                |                                                    |  |
| <b>Access</b>                            | Adequate femoral/iliac access compatible with the required introduction systems                                                                                                                                                                                                                    |                                                    |  |
| <b>Introducer Diameters</b>              | 9-16 mm grafts:<br>ID 14 Fr (4.7 mm)<br>OD 5.4 mm                                                                                                                                                                                                                                                  | 20-24 mm grafts:<br>ID 16 Fr (5.3 mm)<br>OD 6.0 mm |  |
| <b>Contraindications</b>                 | <ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to stainless steel, nitinol, polyester, solder (tin, silver), polypropylene, or gold</li> <li>• Patients with a systemic infection who may be at increased risk of endovascular graft infection</li> </ul> |                                                    |  |

# Contralateral/Ipsilateral Iliac Leg Grafts

| Order Number          | Reference Part Number | Iliac Leg Distal Diameter mm | Iliac Leg Working Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|------------------------------|-----------------------------|------------------------------------|
| <b>9 mm Diameter</b>  |                       |                              |                             |                                    |
| G55218                | ZSLE-9-39-ZT          | 9                            | 39                          | 14 (4.7)/5.4                       |
| G55219                | ZSLE-9-56-ZT          | 9                            | 56                          | 14 (4.7)/5.4                       |
| G55220                | ZSLE-9-74-ZT          | 9                            | 74                          | 14 (4.7)/5.4                       |
| G55221                | ZSLE-9-90-ZT          | 9                            | 90                          | 14 (4.7)/5.4                       |
| G55222                | ZSLE-9-107-ZT         | 9                            | 107                         | 14 (4.7)/5.4                       |
| G55223                | ZSLE-9-122-ZT         | 9                            | 122                         | 14 (4.7)/5.4                       |
| <b>11 mm Diameter</b> |                       |                              |                             |                                    |
| G55224                | ZSLE-11-39-ZT         | 11                           | 39                          | 14 (4.7)/5.4                       |
| G55225                | ZSLE-11-56-ZT         | 11                           | 56                          | 14 (4.7)/5.4                       |
| G55226                | ZSLE-11-74-ZT         | 11                           | 74                          | 14 (4.7)/5.4                       |
| G55227                | ZSLE-11-90-ZT         | 11                           | 90                          | 14 (4.7)/5.4                       |
| G55228                | ZSLE-11-107-ZT        | 11                           | 107                         | 14 (4.7)/5.4                       |
| G55229                | ZSLE-11-122-ZT        | 11                           | 122                         | 14 (4.7)/5.4                       |
| <b>13 mm Diameter</b> |                       |                              |                             |                                    |
| G55230                | ZSLE-13-39-ZT         | 13                           | 39                          | 14 (4.7)/5.4                       |
| G55231                | ZSLE-13-56-ZT         | 13                           | 56                          | 14 (4.7)/5.4                       |
| G55232                | ZSLE-13-74-ZT         | 13                           | 74                          | 14 (4.7)/5.4                       |
| G55233                | ZSLE-13-90-ZT         | 13                           | 90                          | 14 (4.7)/5.4                       |
| G55234                | ZSLE-13-107-ZT        | 13                           | 107                         | 14 (4.7)/5.4                       |
| G55235                | ZSLE-13-122-ZT        | 13                           | 122                         | 14 (4.7)/5.4                       |
| <b>16 mm Diameter</b> |                       |                              |                             |                                    |
| G55236                | ZSLE-16-39-ZT         | 16                           | 39                          | 14 (4.7)/5.4                       |
| G55237                | ZSLE-16-56-ZT         | 16                           | 56                          | 14 (4.7)/5.4                       |
| G55238                | ZSLE-16-74-ZT         | 16                           | 74                          | 14 (4.7)/5.4                       |
| G55239                | ZSLE-16-90-ZT         | 16                           | 90                          | 14 (4.7)/5.4                       |
| <b>20 mm Diameter</b> |                       |                              |                             |                                    |
| G55240                | ZSLE-20-39-ZT         | 20                           | 39                          | 16 (5.3)/6.0                       |
| G55241                | ZSLE-20-56-ZT         | 20                           | 56                          | 16 (5.3)/6.0                       |
| G55242                | ZSLE-20-74-ZT         | 20                           | 74                          | 16 (5.3)/6.0                       |
| G55243                | ZSLE-20-90-ZT         | 20                           | 90                          | 16 (5.3)/6.0                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Contralateral/Ipsilateral Iliac Leg Grafts (Continued)

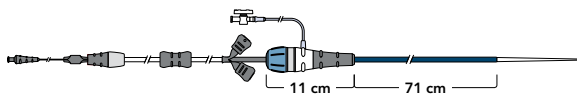
| Order Number          | Reference Part Number | Iliac Leg Distal Diameter mm | Iliac Leg Working Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|------------------------------|-----------------------------|------------------------------------|
| <b>24 mm Diameter</b> |                       |                              |                             |                                    |
| <b>G55244</b>         | <b>ZSLE-24-39-ZT</b>  | 24                           | 39                          | 16 (5.3)/6.0                       |
| <b>G55245</b>         | <b>ZSLE-24-56-ZT</b>  | 24                           | 56                          | 16 (5.3)/6.0                       |
| <b>G55246</b>         | <b>ZSLE-24-74-ZT</b>  | 24                           | 74                          | 16 (5.3)/6.0                       |
| <b>G55247</b>         | <b>ZSLE-24-90-ZT</b>  | 24                           | 90                          | 16 (5.3)/6.0                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

### Z-Trak® Introduction System for Iliac Legs

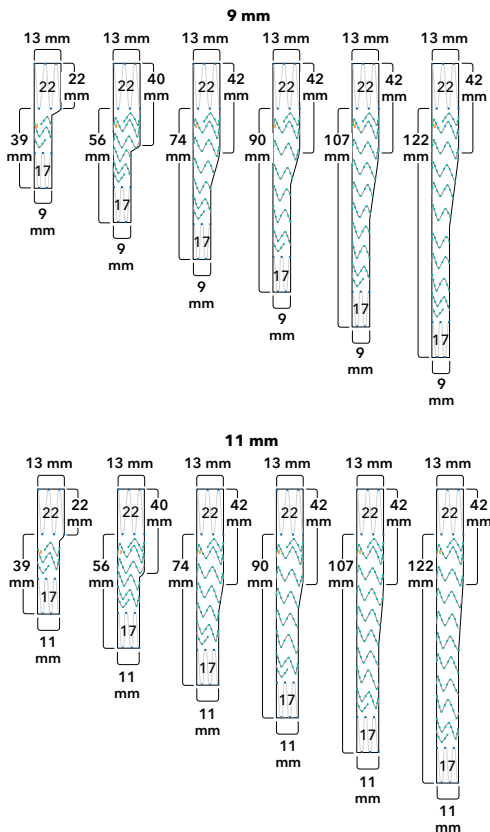
9-16 mm grafts: 14 Fr (4.7 mm) ID/5.4 mm OD

20-24 mm grafts: 16 Fr (5.3 mm) ID/6.0 mm OD





# Contralateral/Ipsilateral Iliac Leg Grafts

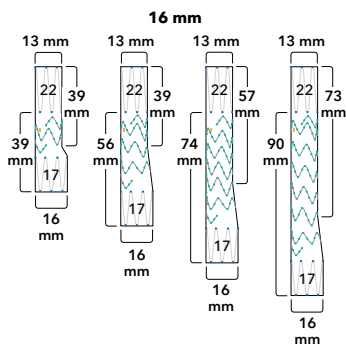
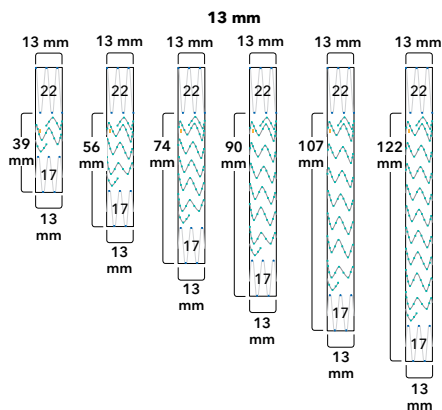


ZSLE-XX-YY-ZT

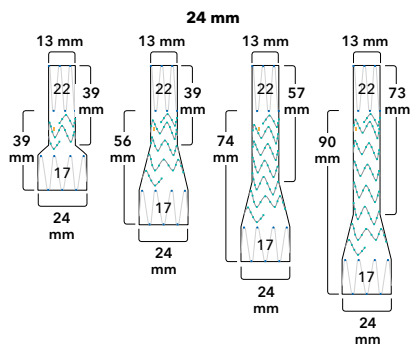
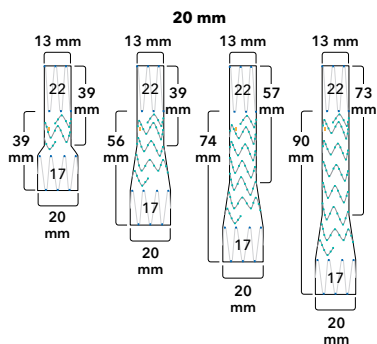
ZSLE-(distal diameter)-(working length)-ZT

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths.

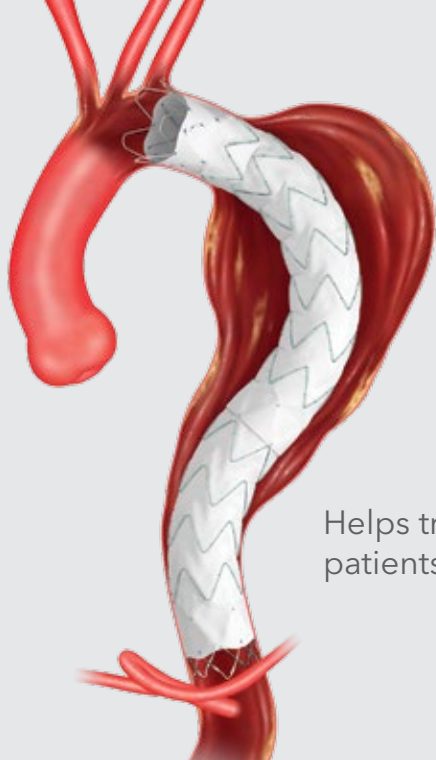
# Contralateral/Ipsilateral Iliac Leg Grafts (Continued)



# Contralateral/Ipsilateral Iliac Leg Grafts (Continued)





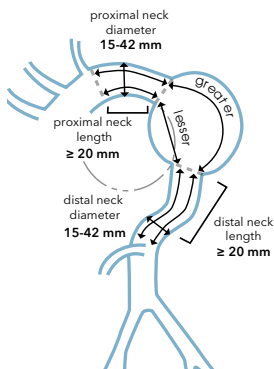


Helps treat more  
patients with TEVAR.

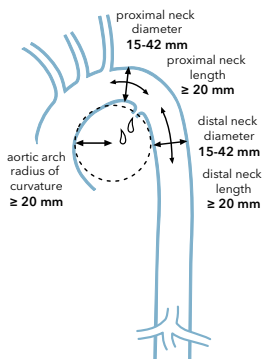
**Zenith Alpha™**  
THORACIC ENDOVASCULAR GRAFT

# Indications for Use

## Aneurysm or ulcer



## Blunt injury



### Indications for Use

The Zenith Alpha™ Thoracic Endovascular Graft is indicated for the endovascular treatment of patients with isolated lesions of the descending thoracic aorta (not including dissection) having vascular anatomy suitable for endovascular repair including:

- Iliac/femoral anatomy that is suitable for access with the required introduction systems
- Nonaneurysmal aortic segments (fixation sites) proximal and distal to the thoracic lesion:
  - with a length of at least 20 mm, and
  - with a diameter measured outer-wall-to-outer-wall of no greater than 42 mm and no less than 15 mm

### Length

Nonaneurysmal aortic necks proximal and distal to the aneurysms, ulcers, or blunt injuries with a length  $\geq 20$  mm

### Aortic Fixation Site Diameter

15-42 mm (measured outer wall to outer wall)

### Angulation/ Curvature

- A radius of curvature  $\geq 20$  mm for aortic arch landing zones
- An angle  $\leq 45$  degrees (any angle in the arch or distal aorta)

### Access

Adequate iliac (femoral) access compatible with the required introduction systems

### Introducer Diameters

|                                                    |                                                    |                                                    |
|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 18-30 mm grafts:<br>ID 16 Fr (5.3 mm)<br>OD 6.0 mm | 32-38 mm grafts:<br>ID 18 Fr (6.0 mm)<br>OD 7.1 mm | 40-46 mm grafts:<br>ID 20 Fr (6.7 mm)<br>OD 7.7 mm |
|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|

### Contraindications

- Patients with known sensitivities or allergies to polyester, polypropylene, nitinol, or gold.
- Patients who have a condition that threatens to infect the endovascular graft.

# Proximal Components

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|---------------------|-------------|-----------|------------------------------------|
| <b>18 mm Diameter</b> |                       |                     |             |           |                                    |
| G35327                | ZTA-P-18-105-W        | 15-16               | 18          | 105       | 16 (5.3)/6.0                       |
| <b>20 mm Diameter</b> |                       |                     |             |           |                                    |
| G35329                | ZTA-P-20-105-W        | 17                  | 20          | 105       | 16 (5.3)/6.0                       |
| <b>22 mm Diameter</b> |                       |                     |             |           |                                    |
| G35331                | ZTA-P-22-105-W        | 18-19               | 22          | 105       | 16 (5.3)/6.0                       |
| <b>24 mm Diameter</b> |                       |                     |             |           |                                    |
| G35333                | ZTA-P-24-105-W        | 20-21               | 24          | 105       | 16 (5.3)/6.0                       |
| <b>26 mm Diameter</b> |                       |                     |             |           |                                    |
| G35335                | ZTA-P-26-105-W        | 22-23               | 26          | 105       | 16 (5.3)/6.0                       |
| <b>28 mm Diameter</b> |                       |                     |             |           |                                    |
| G35337                | ZTA-P-28-109-W        | 24-25               | 28          | 109       | 16 (5.3)/6.0                       |
| G35339                | ZTA-P-28-155-W        | 24-25               | 28          | 155       | 16 (5.3)/6.0                       |
| G35340                | ZTA-P-28-201-W        | 24-25               | 28          | 201       | 16 (5.3)/6.0                       |
| <b>30 mm Diameter</b> |                       |                     |             |           |                                    |
| G35341                | ZTA-P-30-109-W        | 26-27               | 30          | 109       | 16 (5.3)/6.0                       |
| G35343                | ZTA-P-30-155-W        | 26-27               | 30          | 155       | 16 (5.3)/6.0                       |
| G35344                | ZTA-P-30-201-W        | 26-27               | 30          | 201       | 16 (5.3)/6.0                       |
| <b>32 mm Diameter</b> |                       |                     |             |           |                                    |
| G35345                | ZTA-P-32-109-W        | 28-29               | 32          | 109       | 18 (6.0)/7.1                       |
| G35347                | ZTA-P-32-155-W        | 28-29               | 32          | 155       | 18 (6.0)/7.1                       |
| G35348                | ZTA-P-32-201-W        | 28-29               | 32          | 201       | 18 (6.0)/7.1                       |
| <b>34 mm Diameter</b> |                       |                     |             |           |                                    |
| G35349                | ZTA-P-34-113-W        | 30                  | 34          | 113       | 18 (6.0)/7.1                       |
| G35351                | ZTA-P-34-161-W        | 30                  | 34          | 161       | 18 (6.0)/7.1                       |
| G35352                | ZTA-P-34-209-W        | 30                  | 34          | 209       | 18 (6.0)/7.1                       |
| <b>36 mm Diameter</b> |                       |                     |             |           |                                    |
| G35353                | ZTA-P-36-113-W        | 31-32               | 36          | 113       | 18 (6.0)/7.1                       |
| G35355                | ZTA-P-36-161-W        | 31-32               | 36          | 161       | 18 (6.0)/7.1                       |
| G35356                | ZTA-P-36-209-W        | 31-32               | 36          | 209       | 18 (6.0)/7.1                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Proximal Components (continued)

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|---------------------|-------------|-----------|------------------------------------|
| <b>38 mm Diameter</b> |                       |                     |             |           |                                    |
| G35357                | ZTA-P-38-117-W        | 33-34               | 38          | 117       | 18 (6.0)/7.1                       |
| G35359                | ZTA-P-38-167-W        | 33-34               | 38          | 167       | 18 (6.0)/7.1                       |
| G35360                | ZTA-P-38-217-W        | 33-34               | 38          | 217       | 18 (6.0)/7.1                       |
| <b>40 mm Diameter</b> |                       |                     |             |           |                                    |
| G35361                | ZTA-P-40-117-W        | 35-36               | 40          | 117       | 20 (6.7)/7.7                       |
| G35363                | ZTA-P-40-167-W        | 35-36               | 40          | 167       | 20 (6.7)/7.7                       |
| G35364                | ZTA-P-40-217-W        | 35-36               | 40          | 217       | 20 (6.7)/7.7                       |
| <b>42 mm Diameter</b> |                       |                     |             |           |                                    |
| G35365                | ZTA-P-42-121-W        | 37-38               | 42          | 121       | 20 (6.7)/7.7                       |
| G35367                | ZTA-P-42-173-W        | 37-38               | 42          | 173       | 20 (6.7)/7.7                       |
| G35368                | ZTA-P-42-225-W        | 37-38               | 42          | 225       | 20 (6.7)/7.7                       |
| <b>44 mm Diameter</b> |                       |                     |             |           |                                    |
| G35369                | ZTA-P-44-125-W        | 39                  | 44          | 125       | 20 (6.7)/7.7                       |
| G35371                | ZTA-P-44-179-W        | 39                  | 44          | 179       | 20 (6.7)/7.7                       |
| G35372                | ZTA-P-44-233-W        | 39                  | 44          | 233       | 20 (6.7)/7.7                       |
| <b>46 mm Diameter</b> |                       |                     |             |           |                                    |
| G35373                | ZTA-P-46-125-W        | 40-42               | 46          | 125       | 20 (6.7)/7.7                       |
| G35375                | ZTA-P-46-179-W        | 40-42               | 46          | 179       | 20 (6.7)/7.7                       |
| G35376                | ZTA-P-46-233-W        | 40-42               | 46          | 233       | 20 (6.7)/7.7                       |

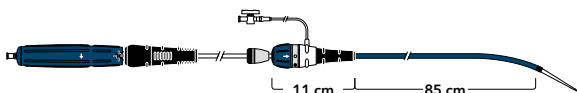
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Introduction System for Proximal Components

18-30 mm grafts: 16 Fr (5.3 mm) ID/6.0 mm OD

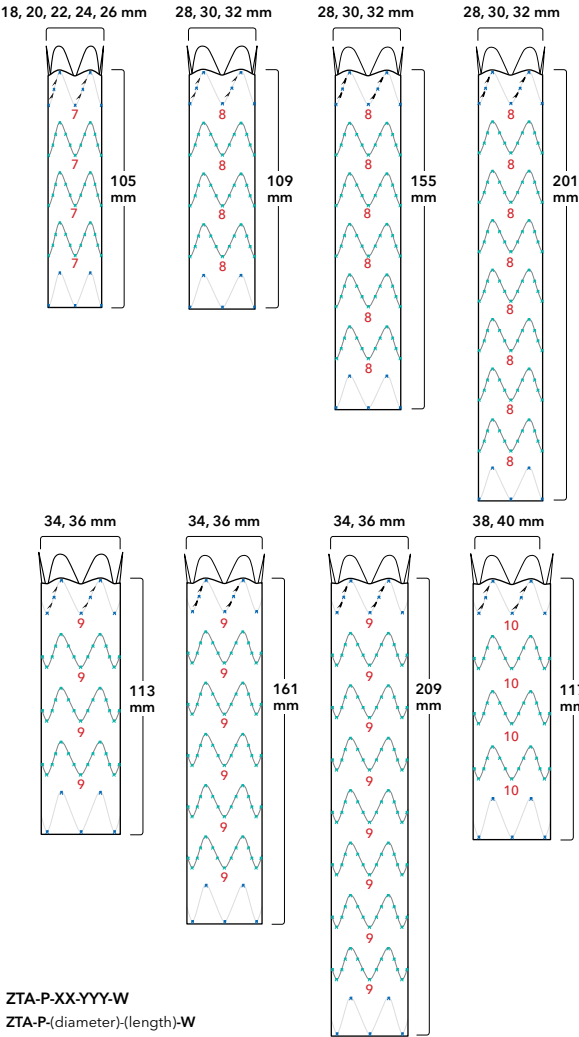
32-38 mm grafts: 18 Fr (6.0 mm) ID/7.1 mm OD

40-46 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD





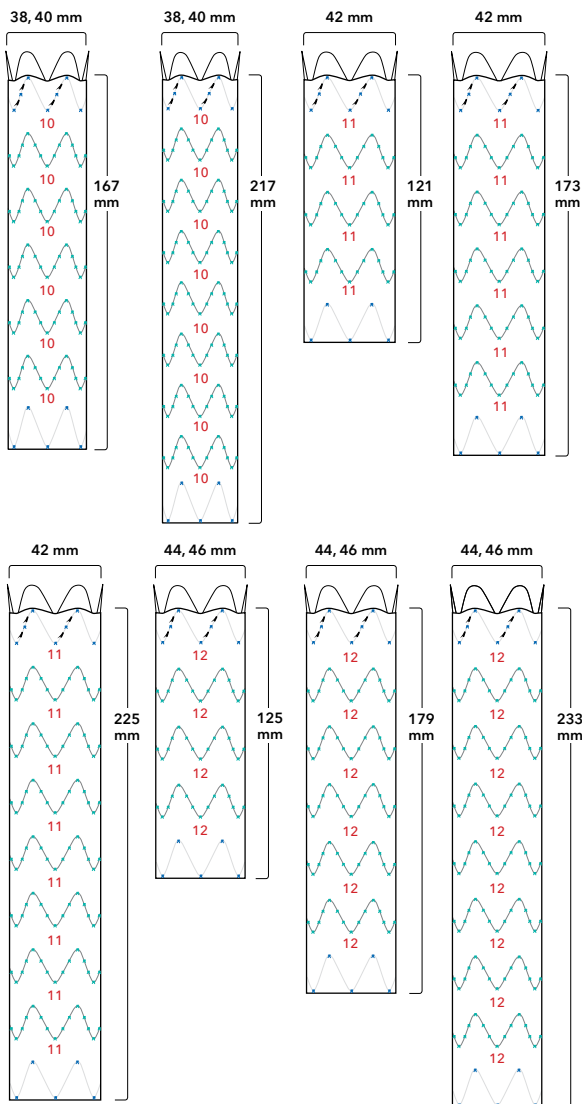
# Proximal Components



**ZTA-P-XX-YYY-W**  
**ZTA-P-(diameter)-(length)-W**

**Note:** All measurements are in millimeters. Red numbers indicate gap lengths. Gap lengths are approximate.

# Proximal Components (continued)



# Proximal 4 mm Tapered Components

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Proximal Diameter mm | Distal Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|---------------------|----------------------|--------------------|-----------|------------------------------------|
| <b>26 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38055                | ZTA-PT-26-22-105-W    | 28-29               | 26                   | 22                 | 105       | 16 (5.3)/6.0                       |
| <b>30 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38072                | ZTA-PT-30-26-108-W    | 28-29               | 30                   | 26                 | 108       | 16 (5.3)/6.0                       |
| <b>32 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38075                | ZTA-PT-32-28-178-W    | 28-29               | 32                   | 28                 | 178       | 18 (6.0)/7.1                       |
| G38171                | ZTA-PT-32-28-201-W    | 28-29               | 32                   | 28                 | 201       | 18 (6.0)/7.1                       |
| <b>34 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38172                | ZTA-PT-34-30-161-W    | 30                  | 34                   | 30                 | 161       | 18 (6.0)/7.1                       |
| G38173                | ZTA-PT-34-30-209-W    | 30                  | 34                   | 30                 | 209       | 18 (6.0)/7.1                       |
| <b>36 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38178                | ZTA-PT-36-32-161-W    | 31-32               | 36                   | 32                 | 161       | 18 (6.0)/7.1                       |
| G38179                | ZTA-PT-36-32-209-W    | 31-32               | 36                   | 32                 | 209       | 18 (6.0)/7.1                       |
| <b>38 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38180                | ZTA-PT-38-34-167-W    | 33-34               | 38                   | 34                 | 167       | 18 (6.0)/7.1                       |
| G38190                | ZTA-PT-38-34-217-W    | 33-34               | 38                   | 34                 | 217       | 18 (6.0)/7.1                       |
| <b>40 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38191                | ZTA-PT-40-36-167-W    | 35-36               | 40                   | 36                 | 167       | 20 (6.7)/7.7                       |
| G38201                | ZTA-PT-40-36-217-W    | 35-36               | 40                   | 36                 | 217       | 20 (6.7)/7.7                       |
| <b>42 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38203                | ZTA-PT-42-38-173-W    | 37-38               | 42                   | 38                 | 173       | 20 (6.7)/7.7                       |
| G38204                | ZTA-PT-42-38-225-W    | 37-38               | 42                   | 38                 | 225       | 20 (6.7)/7.7                       |
| <b>44 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38208                | ZTA-PT-44-40-179-W    | 39                  | 44                   | 40                 | 179       | 20 (6.7)/7.7                       |
| G38216                | ZTA-PT-44-40-233-W    | 39                  | 44                   | 40                 | 233       | 20 (6.7)/7.7                       |
| <b>46 mm Diameter</b> |                       |                     |                      |                    |           |                                    |
| G38220                | ZTA-PT-46-42-179-W    | 40-42               | 46                   | 42                 | 179       | 20 (6.7)/7.7                       |
| G38236                | ZTA-PT-46-42-233-W    | 40-42               | 46                   | 42                 | 233       | 20 (6.7)/7.7                       |

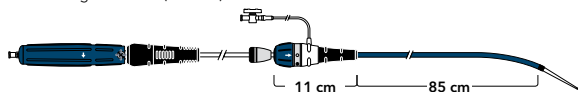
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Introduction System for Proximal 4 mm Tapered Components

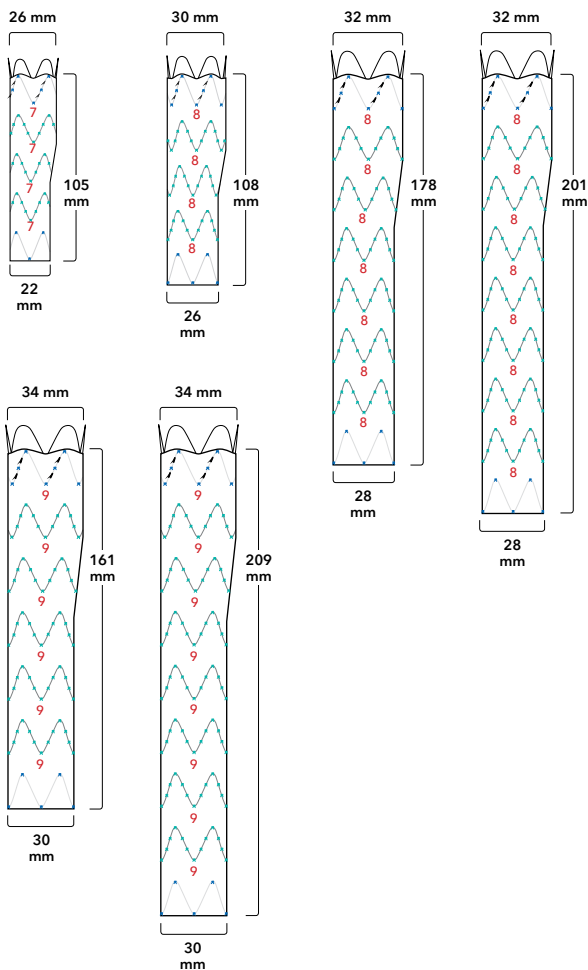
26-30 mm grafts: 16 Fr (5.3 mm) ID/6.0 mm OD

32-38 mm grafts: 18 Fr (6.0 mm) ID/7.1 mm OD

40-46 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD



# Proximal 4 mm Tapered Components

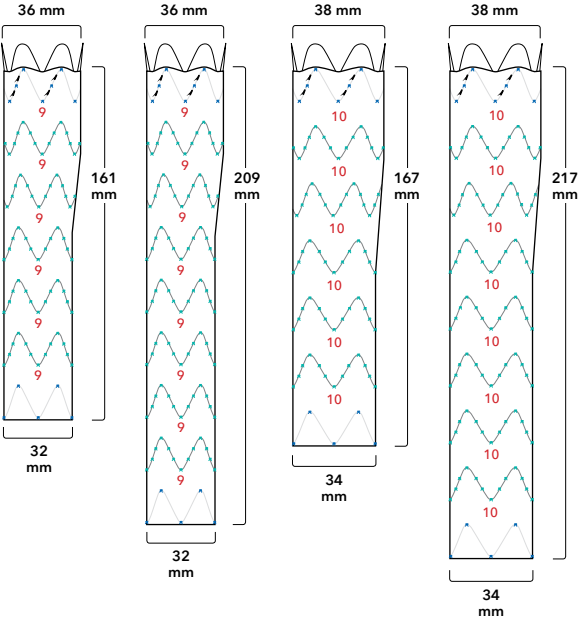


ZTA-PT-XX-YY-ZZZ-W

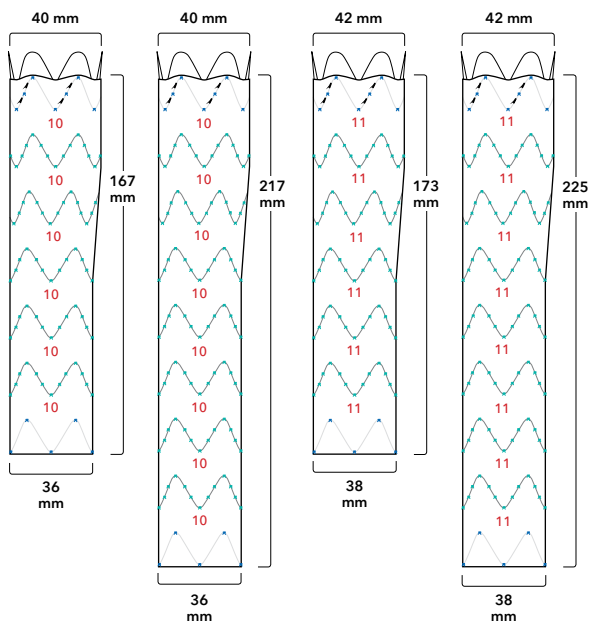
ZTA-PT-(proximal diameter)-(distal diameter)-(length)-W

**Note:** All measurements are in millimeters. Red numbers indicate gap lengths. Gap lengths are approximate.

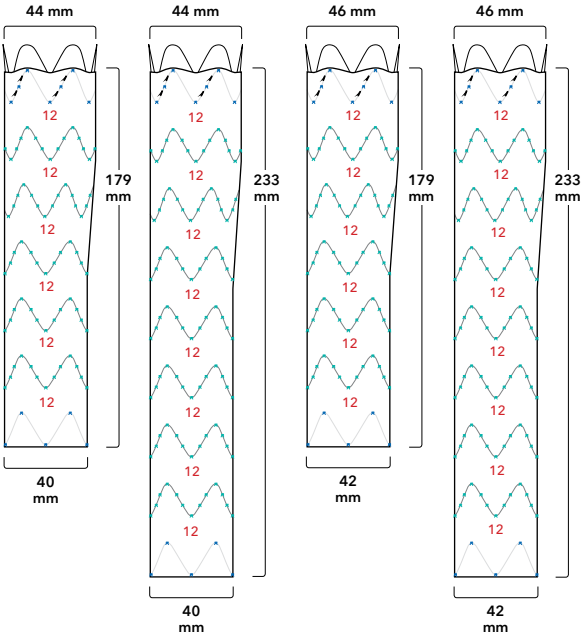
Proximal 4 mm Tapered Components (continued)



# Proximal 4 mm Tapered Components (continued)



Proximal 4 mm Tapered Components (continued)



# Distal Components

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Distal Component Diameter mm | Distal Component Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|---------------------|------------------------------|----------------------------|------------------------------------|
| <b>28 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35381                | ZTA-D-28-160-W        | 24-25               | 28                           | 160                        | 16 (5.3)/6.0                       |
| <b>30 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35383                | ZTA-D-30-160-W        | 26-27               | 30                           | 160                        | 16 (5.3)/6.0                       |
| <b>32 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35385                | ZTA-D-32-160-W        | 28-29               | 32                           | 160                        | 18 (6.0)/7.1                       |
| <b>34 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35391                | ZTA-D-34-142-W        | 30                  | 34                           | 142                        | 18 (6.0)/7.1                       |
| G35392                | ZTA-D-34-190-W        | 30                  | 34                           | 190                        | 18 (6.0)/7.1                       |
| <b>36 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35393                | ZTA-D-36-142-W        | 31-32               | 36                           | 142                        | 18 (6.0)/7.1                       |
| G35394                | ZTA-D-36-190-W        | 31-32               | 36                           | 190                        | 18 (6.0)/7.1                       |
| <b>38 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35395                | ZTA-D-38-147-W        | 33-34               | 38                           | 147                        | 18 (6.0)/7.1                       |
| G35396                | ZTA-D-38-197-W        | 33-34               | 38                           | 197                        | 18 (6.0)/7.1                       |
| <b>40 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35398                | ZTA-D-40-197-W        | 35-36               | 40                           | 197                        | 20 (6.7)/7.7                       |
| <b>42 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35400                | ZTA-D-42-204-W        | 37-38               | 42                           | 204                        | 20 (6.7)/7.7                       |
| <b>44 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35402                | ZTA-D-44-211-W        | 39                  | 44                           | 211                        | 20 (6.7)/7.7                       |
| <b>46 mm Diameter</b> |                       |                     |                              |                            |                                    |
| G35404                | ZTA-D-46-211-W        | 40-41               | 46                           | 211                        | 20 (6.7)/7.7                       |

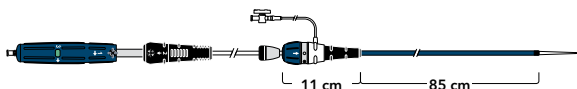
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Introduction System for Distal Components

28-30 mm grafts: 16 Fr (5.3 mm) ID/6.0 mm OD

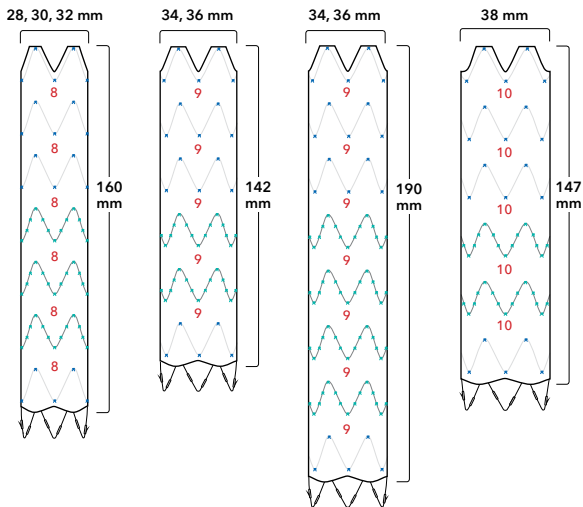
32-38 mm grafts: 18 Fr (6.0 mm) ID/7.1 mm OD

40-46 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD





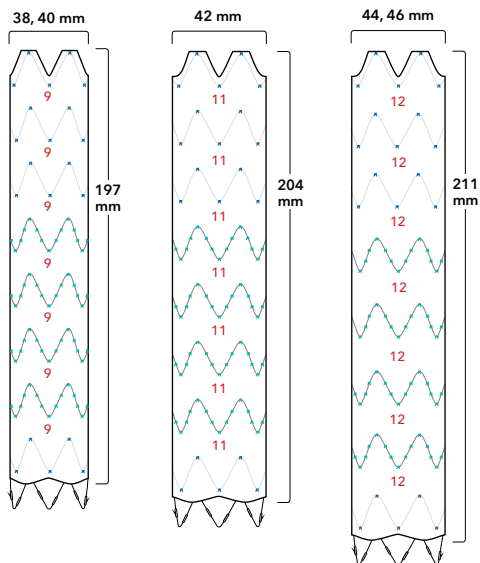
# Distal Components



**ZDA-D-XX-YYY-W**  
**ZDA-D-(diameter)-(length)-W**

**Note:** All measurements are in millimeters. Red numbers indicate gap lengths. Gap lengths are approximate.

## Distal Components (continued)



# Distal Extensions

| Order Number          | Reference Part Number | Aortic Vessel OD mm | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|---------------------|-------------|-----------|------------------------------------|
| <b>22 mm Diameter</b> |                       |                     |             |           |                                    |
| G35506                | ZTA-DE-22-104-W       | 18-19               | 22          | 104       | 16 (5.3)/6.0                       |
| <b>26 mm Diameter</b> |                       |                     |             |           |                                    |
| G35511                | ZTA-DE-26-104-W       | 22-23               | 26          | 104       | 16 (5.3)/6.0                       |
| <b>30 mm Diameter</b> |                       |                     |             |           |                                    |
| G35515                | ZTA-DE-30-108-W       | 26-27               | 30          | 108       | 16 (5.3)/6.0                       |
| <b>34 mm Diameter</b> |                       |                     |             |           |                                    |
| G35519                | ZTA-DE-34-112-W       | 30                  | 34          | 112       | 18 (6.0)/7.1                       |
| <b>38 mm Diameter</b> |                       |                     |             |           |                                    |
| G35523                | ZTA-DE-38-91-W        | 33-34               | 38          | 91        | 18 (6.0)/7.1                       |
| <b>42 mm Diameter</b> |                       |                     |             |           |                                    |
| G36346                | ZTA-DE-42-94-W        | 37-38               | 42          | 94        | 20 (6.7)/7.7                       |
| <b>46 mm Diameter</b> |                       |                     |             |           |                                    |
| G38027                | ZTA-DE-46-97-W        | 40-42               | 46          | 97        | 20 (6.7)/7.7                       |

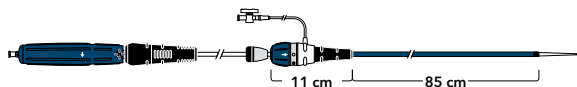
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Introduction System for Distal Extensions

22-30 mm grafts: 16 Fr (5.3 mm) ID/6.0 mm OD

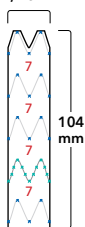
34-38 mm grafts: 18 Fr (6.0 mm) ID/7.1 mm OD

42-46 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

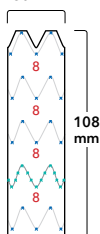


# Distal Extensions

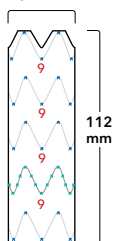
22, 26 mm



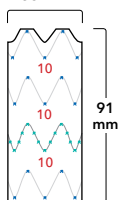
30 mm



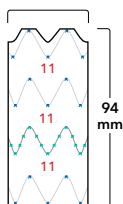
34 mm



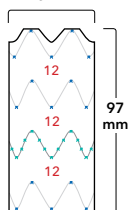
38 mm



42 mm



46 mm

**ZTA-DE-XX-YYY-W****ZTA-DE-(diameter)-(length)-W**

**Note:** All measurements are in millimeters. Red numbers indicate gap lengths. Gap lengths are approximate.

# Deployment Overview

## 1 POSITION A LUNDERQUIST® EXTRA-STIFF DC WIRE GUIDE IN THE AORTIC ARCH

Through the pigtail flush catheter, replace the standard guide wire with an extra-stiff, .035, 260 or 300 cm double-curved Lunderquist wire guide up to the level of the aortic arch and remove the pigtail.

## 2 POSITION THE PROXIMAL COMPONENT

Introduce the flushed, hydrated introduction system for the proximal component over the extra-stiff double-curved Lunderquist wire guide and advance until you reach the desired graft position.

**Caution: To avoid twisting the graft, never rotate the introduction system during the procedure. Allow the device to conform naturally. Do not advance the sheath while the graft is still inside the sheath. Doing so may cause the barbs to perforate the introducer sheath.**

## 3 UNSHEATHE THE PROXIMAL COMPONENT

While you constantly monitor the graft position, withdraw the sheath until the graft is fully expanded and the valve assembly with the Captor sleeve docks with the black gripper.

## 4 RELEASE THE PROXIMAL COMPONENT

Hold the black gripper and loosen the black safety-lock knob on the blue rotating handle (turn in the direction of the arrows). Turn the blue rotating handle following the directional arrow next to label 1 until a stop is felt. The stop indicates that the uncovered stent and proximal end of the graft have opened and the distal attachment to the introducer has been released.

## 5 REMOVE THE INTRODUCER SYSTEM FOR THE PROXIMAL COMPONENT

Remove the introduction system entirely, leaving the wire guide positioned in the graft.

## 6 POSITION THE DISTAL COMPONENT

Introduce the flushed, hydrated introduction system until the desired graft position has been achieved. Ensure that there is a minimum overlap of 3 stents.

## 7 UNSHEATHE THE DISTAL COMPONENT

Stabilize the gray positioner and withdraw the sheath until the Captor sleeve docks with the telescoping black gripper.

# Deployment Overview\* (continued)

## 8 RELEASE THE DISTAL COMPONENT

Use the 1-2-3 deployment sequence.

1. To release the distal attachment, hold the black gripper and loosen the black safety-lock knob on the blue rotating handle (turn the safety-lock knob in the direction of the arrows). Turn the blue rotating handle following the directional arrow next to **label 1** until a stop is felt.
2. Turn the gray safety-lock knob indicated by **label 2** on the black telescoping gripper (turn the safety-lock knob in the direction of the arrows). To release the distal bare stent, stabilize the introduction system and slide the black telescoping gripper over the gray tube and outer sheath in a distal direction until it locks automatically into position next to the blue rotating handle (the release window on the blue rotating handle next to **label 3** will turn green).
3. Turn the blue rotating handle in the direction of the arrow (label 3) until a stop is felt and the proximal end of the graft opens.

## 9 OPTIONAL: MOLDING BALLOON

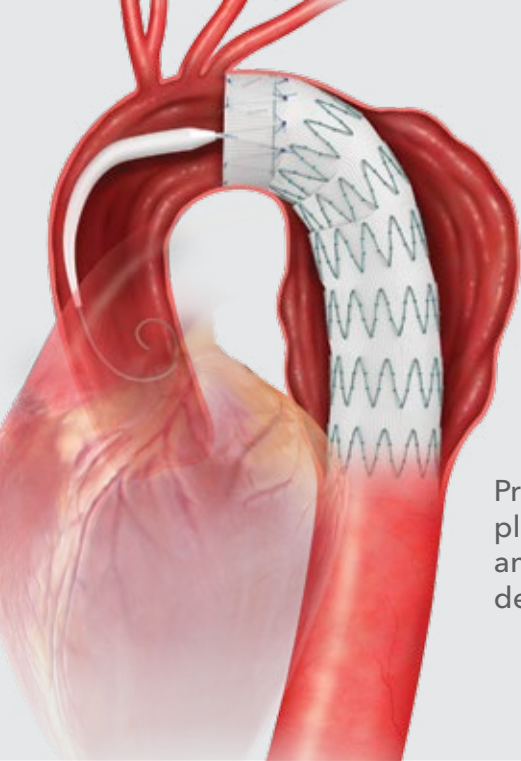
Advance the molding balloon over the wire guide and through the hemostatic valve of the main body introduction system to the level of the proximal fixation seal site. Maintain proper sheath positioning.

Tighten the Captor Hemostatic Valve around the molding balloon by turning it clockwise with gentle pressure.

**Caution: Do not inflate the balloon in the vessel outside of the graft.**

Expand the molding balloon with diluted contrast media (as directed by the manufacturer) in the area of the proximal covered stent, starting proximally and working in the distal direction.

\*This deployment overview is an outline highlighting the deployment process for the Zenith Alpha Thoracic Endovascular Graft. The suggested Instructions for Use booklet should be consulted for a more thorough examination of the deployment protocol, indications, contraindications, warnings, and precautions.



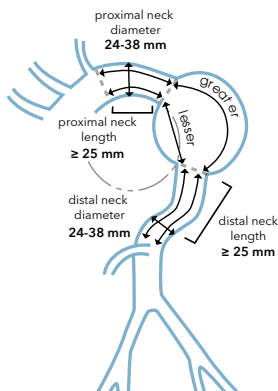
Precise  
placement  
and controlled  
delivery.

with  
Pro-Form®

# Zenith® TX2®

TAA ENDOVASCULAR GRAFT

# Indications for Use



|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--|
| Indications for Use           | <p>The Zenith TX2 TAA Endovascular Graft with Pro-Form and the Z-Trak Plus® Introduction System is indicated for the endovascular treatment of patients with aneurysms or ulcers of the descending thoracic aorta having vascular morphology suitable for endovascular repair including:</p> <ul style="list-style-type: none"> <li>• Adequate iliac/femoral access compatible with the required introduction systems</li> <li>• Nonaneurysmal aortic segments (fixation sites) proximal and distal to the aneurysm or ulcer: <ul style="list-style-type: none"> <li>• with a length of at least 25 mm</li> <li>• with a diameter measured outer wall to outer wall of no greater than 38 mm and no less than 24 mm, and</li> <li>• with an angle less than 45 degrees.</li> </ul> </li> </ul> |                                                    |  |
| Length                        | Nonaneurysmal aortic necks proximal and distal to the aneurysm with a length ≥ 25 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                    |  |
| Aortic Fixation Site Diameter | 24-38 mm (measured outer wall to outer wall)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                    |  |
| Angulation/ Curvature         | <ul style="list-style-type: none"> <li>• A radius of curvature &gt; 35 mm for aortic arch landing zones</li> <li>• An angle &lt; 45 degrees (any angle in the arch or distal aorta)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |  |
| Access                        | Adequate iliac/femoral access compatible with the required introduction systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                    |  |
| Introducer Diameters          | 28-34 mm grafts:<br>ID 20 Fr (6.7 mm)<br>OD 7.7 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 36-42 mm grafts:<br>ID 22 Fr (7.3 mm)<br>OD 8.5 mm |  |
| Contraindications             | <ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to stainless steel, polyester, solder (tin, silver), polypropylene, nitinol, or gold</li> <li>• Patients with a systemic infection who may be at increased risk of endovascular stent infection</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                    |  |



# Proximal Components

| Order Number          | Reference Part Number | Component Type | Aortic Vessel OD mm | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|----------------|---------------------|-------------|-----------|------------------------------------|
| <b>28 mm Diameter</b> |                       |                |                     |             |           |                                    |
| G53418                | ZTEG-2P-28-120-PF-US  | 2P             | 24                  | 28          | 120       | 20 (6.7)/7.7                       |
| G53419                | ZTEG-2P-28-140-PF-US  | 2P             | 24                  | 28          | 140       | 20 (6.7)/7.7                       |
| G53420                | ZTEG-2P-28-200-PF-US  | 2P             | 24                  | 28          | 200       | 20 (6.7)/7.7                       |
| <b>30 mm Diameter</b> |                       |                |                     |             |           |                                    |
| G53421                | ZTEG-2P-30-120-PF-US  | 2P             | 25-27               | 30          | 120       | 20 (6.7)/7.7                       |
| G53422                | ZTEG-2P-30-140-PF-US  | 2P             | 25-27               | 30          | 140       | 20 (6.7)/7.7                       |
| G53423                | ZTEG-2P-30-200-PF-US  | 2P             | 25-27               | 30          | 200       | 20 (6.7)/7.7                       |
| <b>32 mm Diameter</b> |                       |                |                     |             |           |                                    |
| G53424                | ZTEG-2P-32-120-PF-US  | 2P             | 28-29               | 32          | 120       | 20 (6.7)/7.7                       |
| G53425                | ZTEG-2P-32-140-PF-US  | 2P             | 28-29               | 32          | 140       | 20 (6.7)/7.7                       |
| G53426                | ZTEG-2P-32-200-PF-US  | 2P             | 28-29               | 32          | 200       | 20 (6.7)/7.7                       |
| <b>34 mm Diameter</b> |                       |                |                     |             |           |                                    |
| G53427                | ZTEG-2P-34-127-PF-US  | 2P             | 30                  | 34          | 127       | 20 (6.7)/7.7                       |
| G53428                | ZTEG-2P-34-152-PF-US  | 2P             | 30                  | 34          | 152       | 20 (6.7)/7.7                       |
| G53429                | ZTEG-2P-34-202-PF-US  | 2P             | 30                  | 34          | 202       | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b> |                       |                |                     |             |           |                                    |
| G53430                | ZTEG-2P-36-127-PF-US  | 2P             | 31-32               | 36          | 127       | 22 (7.3)/8.5                       |
| G53431                | ZTEG-2P-36-152-PF-US  | 2P             | 31-32               | 36          | 152       | 22 (7.3)/8.5                       |
| G53432                | ZTEG-2P-36-202-PF-US  | 2P             | 31-32               | 36          | 202       | 22 (7.3)/8.5                       |
| <b>38 mm Diameter</b> |                       |                |                     |             |           |                                    |
| G53433                | ZTEG-2P-38-127-PF-US  | 2P             | 33-34               | 38          | 127       | 22 (7.3)/8.5                       |
| G53434                | ZTEG-2P-38-152-PF-US  | 2P             | 33-34               | 38          | 152       | 22 (7.3)/8.5                       |
| G53435                | ZTEG-2P-38-202-PF-US  | 2P             | 33-34               | 38          | 202       | 22 (7.3)/8.5                       |
| <b>40 mm Diameter</b> |                       |                |                     |             |           |                                    |
| G24139                | ZTEG-2P-40-108-PF-US  | 2P             | 35-36               | 40          | 108       | 22 (7.3)/8.5                       |
| G53436                | ZTEG-2P-40-135-PF-US  | 2P             | 35-36               | 40          | 135       | 22 (7.3)/8.5                       |
| G53437                | ZTEG-2P-40-162-PF-US  | 2P             | 35-36               | 40          | 162       | 22 (7.3)/8.5                       |
| G53438                | ZTEG-2P-40-216-PF-US  | 2P             | 35-36               | 40          | 216       | 22 (7.3)/8.5                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Proximal Components (Continued)

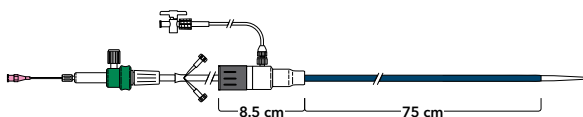
| Order Number          | Reference Part Number       | Component Type | Aortic Vessel OD mm | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------------|----------------|---------------------|-------------|-----------|------------------------------------|
| <b>42 mm Diameter</b> |                             |                |                     |             |           |                                    |
| <b>G24140</b>         | <b>ZTEG-2P-42-108-PF-US</b> | 2P             | 37-38               | 42          | 108       | 22 (7.3)/8.5                       |
| <b>G53439</b>         | <b>ZTEG-2P-42-135-PF-US</b> | 2P             | 37-38               | 42          | 135       | 22 (7.3)/8.5                       |
| <b>G53440</b>         | <b>ZTEG-2P-42-162-PF-US</b> | 2P             | 37-38               | 42          | 162       | 22 (7.3)/8.5                       |
| <b>G53441</b>         | <b>ZTEG-2P-42-216-PF-US</b> | 2P             | 37-38               | 42          | 216       | 22 (7.3)/8.5                       |

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## Z-Trak Plus® Introduction System for Proximal Components

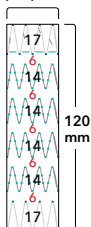
28-34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

36-42 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD

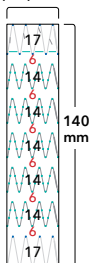


## Proximal Components

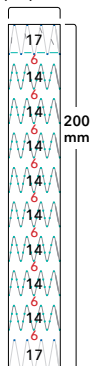
28, 30, 32 mm



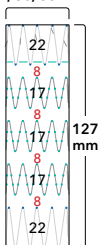
28, 30, 32 mm



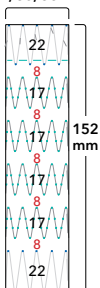
28, 30, 32 mm



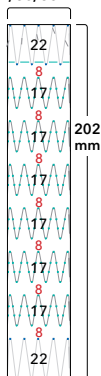
34, 36, 38 mm



34, 36, 38 mm



34, 36, 38 mm



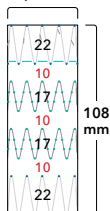
ZTEG-2P-XX-YYY-PF-US

**ZTEG-2P-(diameter)-(length)-PF-US**

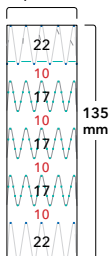
**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

# Proximal Components (Continued)

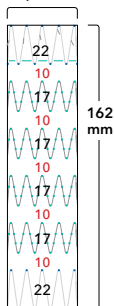
40, 42 mm



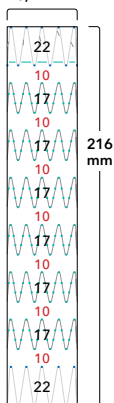
40, 42 mm



40, 42 mm



40, 42 mm



# Proximal Tapered Components

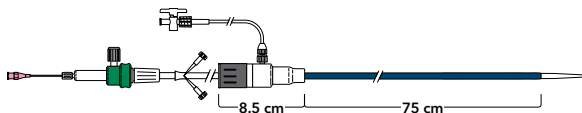
| Order Number          | Reference Part Number | Component Type | Aortic Vessel OD mm | Proximal Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|----------------|---------------------|----------------------|-----------|------------------------------------|
| <b>32 mm Diameter</b> |                       |                |                     |                      |           |                                    |
| G53442                | ZTEG-2PT-32-160-PF-US | 2PT            | 28-29               | 32                   | 160       | 20 (6.7)/7.7                       |
| G53443                | ZTEG-2PT-32-200-PF-US | 2PT            | 28-29               | 32                   | 200       | 20 (6.7)/7.7                       |
| <b>34 mm Diameter</b> |                       |                |                     |                      |           |                                    |
| G53444                | ZTEG-2PT-34-157-PF-US | 2PT            | 30                  | 34                   | 157       | 20 (6.7)/7.7                       |
| G53445                | ZTEG-2PT-34-197-PF-US | 2PT            | 30                  | 34                   | 197       | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b> |                       |                |                     |                      |           |                                    |
| G53446                | ZTEG-2PT-36-157-PF-US | 2PT            | 31-32               | 36                   | 157       | 22 (7.3)/8.5                       |
| G53447                | ZTEG-2PT-36-197-PF-US | 2PT            | 31-32               | 36                   | 197       | 22 (7.3)/8.5                       |
| <b>38 mm Diameter</b> |                       |                |                     |                      |           |                                    |
| G53448                | ZTEG-2PT-38-152-PF-US | 2PT            | 33-34               | 38                   | 152       | 22 (7.3)/8.5                       |
| G53449                | ZTEG-2PT-38-202-PF-US | 2PT            | 33-34               | 38                   | 202       | 22 (7.3)/8.5                       |
| <b>40 mm Diameter</b> |                       |                |                     |                      |           |                                    |
| G53450                | ZTEG-2PT-40-158-PF-US | 2PT            | 35-36               | 40                   | 158       | 22 (7.3)/8.5                       |
| G53451                | ZTEG-2PT-40-208-PF-US | 2PT            | 35-36               | 40                   | 208       | 22 (7.3)/8.5                       |
| <b>42 mm Diameter</b> |                       |                |                     |                      |           |                                    |
| G53452                | ZTEG-2PT-42-158-PF-US | 2PT            | 37-38               | 42                   | 158       | 22 (7.3)/8.5                       |
| G53453                | ZTEG-2PT-42-208-PF-US | 2PT            | 37-38               | 42                   | 208       | 22 (7.3)/8.5                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

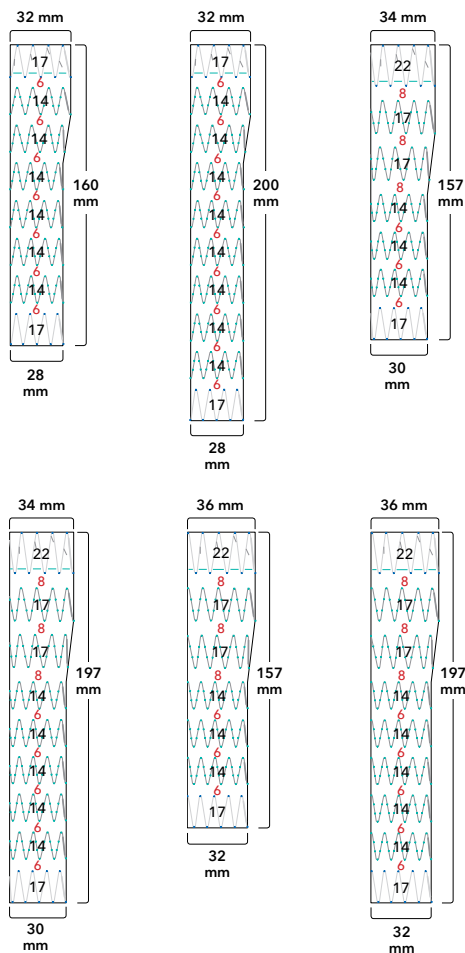
## Z-Trak Plus® Introduction System for Proximal Tapered Components

32-34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

36-42 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD



# Proximal Tapered Components

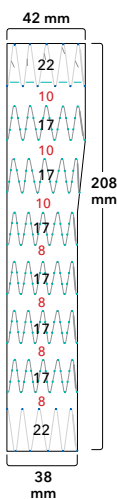
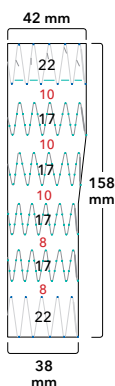
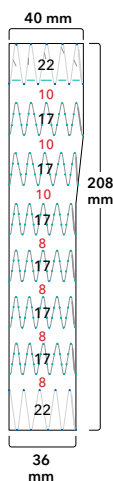
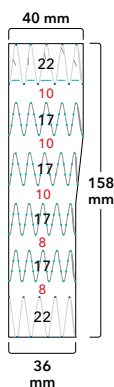
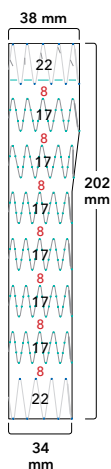
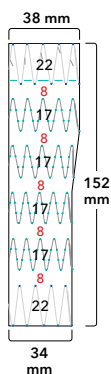


ZTEG-2PT-XX-YYY-PF-US

ZTEG-2PT-(proximal diameter)-(length)-PF-US

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

# Proximal Tapered Components (Continued)



# Distal Components

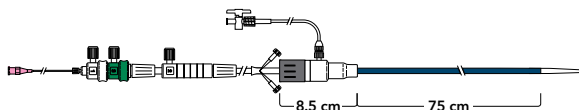
| Order Number          | Reference Part Number | Component Type | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|----------------|-------------|-----------|------------------------------------|
| <b>28 mm Diameter</b> |                       |                |             |           |                                    |
| G53472                | ZTEG-2D-28-147-PF-US  | 2D             | 28          | 147       | 20 (6.7)/7.7                       |
| G53471                | ZTEG-2D-28-207-PF-US  | 2D             | 28          | 207       | 20 (6.7)/7.7                       |
| <b>30 mm Diameter</b> |                       |                |             |           |                                    |
| G53473                | ZTEG-2D-30-147-PF-US  | 2D             | 30          | 147       | 20 (6.7)/7.7                       |
| G53474                | ZTEG-2D-30-207-PF-US  | 2D             | 30          | 207       | 20 (6.7)/7.7                       |
| <b>32 mm Diameter</b> |                       |                |             |           |                                    |
| G53476                | ZTEG-2D-32-147-PF-US  | 2D             | 32          | 147       | 20 (6.7)/7.7                       |
| G53477                | ZTEG-2D-32-207-PF-US  | 2D             | 32          | 207       | 20 (6.7)/7.7                       |
| <b>34 mm Diameter</b> |                       |                |             |           |                                    |
| G53478                | ZTEG-2D-34-136-PF-US  | 2D             | 34          | 136       | 20 (6.7)/7.7                       |
| G53479                | ZTEG-2D-34-186-PF-US  | 2D             | 34          | 186       | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b> |                       |                |             |           |                                    |
| G53480                | ZTEG-2D-36-136-PF-US  | 2D             | 36          | 136       | 22 (7.3)/8.5                       |
| G53481                | ZTEG-2D-36-186-PF-US  | 2D             | 36          | 186       | 22 (7.3)/8.5                       |
| <b>38 mm Diameter</b> |                       |                |             |           |                                    |
| G53482                | ZTEG-2D-38-136-PF-US  | 2D             | 38          | 136       | 22 (7.3)/8.5                       |
| G53483                | ZTEG-2D-38-186-PF-US  | 2D             | 38          | 186       | 22 (7.3)/8.5                       |
| <b>40 mm Diameter</b> |                       |                |             |           |                                    |
| G53484                | ZTEG-2D-40-144-PF-US  | 2D             | 40          | 144       | 22 (7.3)/8.5                       |
| G53485                | ZTEG-2D-40-198-PF-US  | 2D             | 40          | 198       | 22 (7.3)/8.5                       |
| <b>42 mm Diameter</b> |                       |                |             |           |                                    |
| G53486                | ZTEG-2D-42-144-PF-US  | 2D             | 42          | 144       | 22 (7.3)/8.5                       |
| G53487                | ZTEG-2D-42-198-PF-US  | 2D             | 42          | 198       | 22 (7.3)/8.5                       |

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## Z-Trak Plus® Introduction System for Distal Components

28-34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

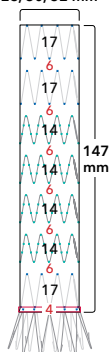
36-42 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD



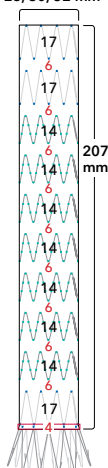


# Distal Components

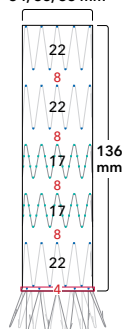
28, 30, 32 mm



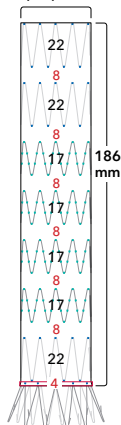
28, 30, 32 mm



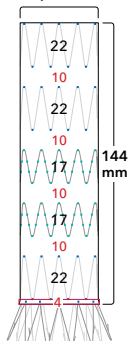
34, 36, 38 mm



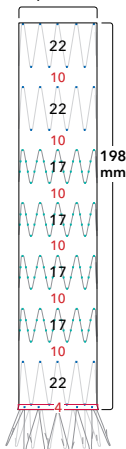
34, 36, 38 mm



40, 42 mm



40, 42 mm



**ZTEG-2D-XX-YYY-PF-US**

**ZTEG-2D-(diameter)-(length)-PF-US**

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

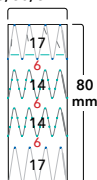
# Proximal Extensions

| Order Number          | Reference Part Number | Component Type | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|----------------|-------------|-----------|------------------------------------|
| <b>28 mm Diameter</b> |                       |                |             |           |                                    |
| G53454                | TBE-28-80-PF-US       | TBE            | 28          | 80        | 20 (6.7)/7.7                       |
| <b>30 mm Diameter</b> |                       |                |             |           |                                    |
| G53455                | TBE-30-80-PF-US       | TBE            | 30          | 80        | 20 (6.7)/7.7                       |
| <b>32 mm Diameter</b> |                       |                |             |           |                                    |
| G53456                | TBE-32-80-PF-US       | TBE            | 32          | 80        | 20 (6.7)/7.7                       |
| <b>34 mm Diameter</b> |                       |                |             |           |                                    |
| G53457                | TBE-34-77-PF-US       | TBE            | 34          | 77        | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b> |                       |                |             |           |                                    |
| G53458                | TBE-36-77-PF-US       | TBE            | 36          | 77        | 22 (7.3)/8.5                       |
| <b>38 mm Diameter</b> |                       |                |             |           |                                    |
| G53459                | TBE-38-77-PF-US       | TBE            | 38          | 77        | 22 (7.3)/8.5                       |
| <b>40 mm Diameter</b> |                       |                |             |           |                                    |
| G53460                | TBE-40-81-PF-US       | TBE            | 40          | 81        | 22 (7.3)/8.5                       |
| <b>42 mm Diameter</b> |                       |                |             |           |                                    |
| G53461                | TBE-42-81-PF-US       | TBE            | 42          | 81        | 22 (7.3)/8.5                       |

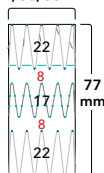
Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Proximal Extensions

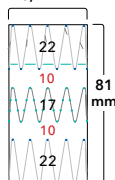
28, 30, 32 mm



34, 36, 38 mm



40, 42 mm



**TBE-XX-YY-PF-US**

**TBE-(diameter)-(length)-PF-US**

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

# Distal Extensions

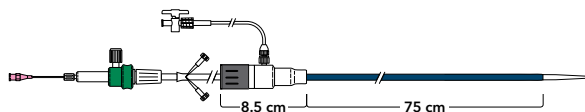
| Order Number          | Reference Part Number | Component Type | Diameter mm | Length mm | Introducer Sheath ID/OD Fr (mm)/mm |
|-----------------------|-----------------------|----------------|-------------|-----------|------------------------------------|
| <b>28 mm Diameter</b> |                       |                |             |           |                                    |
| G53462                | ESBE-28-80-T-PF-US    | ESBE           | 28          | 80        | 20 (6.7)/7.7                       |
| <b>30 mm Diameter</b> |                       |                |             |           |                                    |
| G53463                | ESBE-30-80-T-PF-US    | ESBE           | 30          | 80        | 20 (6.7)/7.7                       |
| <b>32 mm Diameter</b> |                       |                |             |           |                                    |
| G53464                | ESBE-32-80-T-PF-US    | ESBE           | 32          | 80        | 20 (6.7)/7.7                       |
| <b>34 mm Diameter</b> |                       |                |             |           |                                    |
| G53465                | ESBE-34-77-T-PF-US    | ESBE           | 34          | 77        | 20 (6.7)/7.7                       |
| <b>36 mm Diameter</b> |                       |                |             |           |                                    |
| G53466                | ESBE-36-77-T-PF-US    | ESBE           | 36          | 77        | 22 (7.3)/8.5                       |
| <b>38 mm Diameter</b> |                       |                |             |           |                                    |
| G53467                | ESBE-38-77-T-PF-US    | ESBE           | 38          | 77        | 22 (7.3)/8.5                       |
| <b>40 mm Diameter</b> |                       |                |             |           |                                    |
| G53468                | ESBE-40-81-T-PF-US    | ESBE           | 40          | 81        | 22 (7.3)/8.5                       |
| <b>42 mm Diameter</b> |                       |                |             |           |                                    |
| G53469                | ESBE-42-81-T-PF-US    | ESBE           | 42          | 81        | 22 (7.3)/8.5                       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

## Z-Trak Plus® Introduction System for Distal and Proximal Extensions

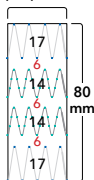
28-34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

36-42 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD

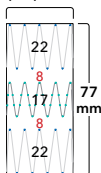


# Distal Extensions

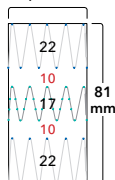
28, 30, 32 mm



34, 36, 38 mm



40, 42 mm



**ESBE-XX-YY-T-PF-US**

**ESBE-(diameter)-(length)-T-PF-US**

**Note:** All measurements are in millimeters. The black numbers on the illustrations indicate stent lengths. The red numbers indicate gap lengths. Gap lengths are approximate.

# Deployment Overview\*

## GENERAL CAUTIONS

- Exercise extreme caution when manipulating interventional and angiographic devices in the region of the barbs.
- Do not advance the wire guide or introduction system if resistance is felt. Exercise particular care in areas of stenosis, thrombus, calcification, or tortuosity.
- Unless medically indicated, do not cover arch or mesenteric arteries with the graft. If the left subclavian artery is to be covered, the clinician must be aware of the risk for compromised perfusion of cerebral, upper limb, and collateral spinal arteries.
- Use caution during manipulation of catheters, wires, and sheaths within the aneurysm, as thrombus dislodgment and embolization may occur.
- Do not attempt to resheath the graft after partial or complete deployment.
- Avoid damaging the graft or disturbing graft positioning if reinstrumentation is necessary.
- Anatomy and graft position can change with sheath removal; constantly monitor graft position, using angiography as necessary.

### 1 POSITION LUNDERQUIST® EXTRA-STIFF DC WIRE GUIDE IN AORTIC ARCH

Through the radiopaque banded pigtail flush catheter, replace the standard wire guide with a stiff .035 inch 300 cm Lunderquist Extra-Stiff DC wire guide. Advance the wire guide up to the level of the aortic arch and remove the pigtail flush catheter.

### 2 POSITION PROXIMAL COMPONENT

Introduce the introduction system for the proximal component over the Lunderquist Extra-Stiff DC wire guide and advance until the desired graft position is reached.

**Caution:** To avoid twisting the graft, never rotate the introduction system. Do not advance the sheath while the graft is still within it; doing so may cause the barbs to perforate the sheath.

### 3 UNSHEATH THE PROXIMAL COMPONENT

While constantly monitoring graft position, withdraw the sheath until the graft is fully expanded. Continue sheath withdrawal until the valve assembly docks with the control handle.

**Caution:** Barbs are now exposed; limited forward advancement is possible, but retracting the device may damage the aorta.

### 4 RELEASE PROXIMAL COMPONENT TRIGGER WIRES

Unscrew and remove the safety lock from the green trigger-wire release mechanism. Withdraw the trigger wire slowly until the proximal end of the graft opens. Withdraw the trigger wire completely in a continuous movement to release the distal attachment to the introduction system. Make sure that all trigger wires are removed prior to withdrawal of the introduction system.

### 5 REMOVE INTRODUCER SHEATH FOR PROXIMAL COMPONENT

Remove the introduction system entirely, leaving the wire guide positioned in the graft.

# Deployment Overview\* (Continued)

## 6 POSITION DISTAL COMPONENT

Introduce the introduction system for the distal component over the Lunderquist Extra-Stiff DC wire guide and advance until the desired position inside of the proximal component is reached. Advance the introduction system of the distal component until the collapsed stent graft inside is in its intended location, with a recommended 3-4 stent overlap (75-100 mm) with the proximal component.

**Note:** The stainless steel stent bodies are easily visualized under fluoroscopy.

## 7 UNSHEATH THE DISTAL COMPONENT

While constantly monitoring graft position, withdraw the sheath until the graft is fully expanded. Continue sheath withdrawal until the valve assembly docks with the control handle.

## 8 RELEASE DISTAL COMPONENT TRIGGER WIRES

Using the 1-2-3 deployment sequence:

1. Unscrew and remove the trigger-wire safety lock, then withdraw and remove the white trigger-wire release mechanism labeled #1.
2. Unscrew and remove the safety lock on the telescoping handle labeled #2. Stabilize the introduction system and slide the telescoping handle together with the gray tube and outer sheath in a distal direction until it locks into position with a click.
3. Unscrew and remove the safety lock from the green trigger-wire release mechanism labeled #3. Withdraw these release wires in a continuous movement until the proximal end of the graft opens, continuing withdrawal until the graft is fully opened and released.

## 9 OPTIONAL: MOLDING BALLOON

Position molding balloon and, utilizing diluted contrast media (as directed by manufacturer), expand it in areas of the proximal covered stent, proximal component/distal component overlap, and distal fixation site, starting proximally and working in a distal direction. Confirm complete deflation of balloon prior to repositioning.

**Warning:** Do not inflate the balloon in aorta outside confines of the graft.

## 10 PERFORM FINAL FLUSH AORTOGRAM

Position angiographic pigtail flush catheter just above the level of the deployed endovascular graft and perform angiography to verify:

- Correct graft position
- Patency of arch vessels and celiac plexus
- There are no endoleaks or kinks
- Position of proximal and distal gold radiopaque markers

Withdraw introducer sheath for distal component, catheters and wires. Repair vessels and close in standard surgical fashion.

**Warning:** To avoid entangling any in situ catheters, rotate the introduction system during withdrawal.

*\*This deployment overview is an outline highlighting the deployment process for the Zenith TX2 TAA Endovascular Graft. The Suggested Instructions for Use booklet should be consulted for a more thorough examination of the deployment protocol, indications, contraindications, warnings, and precautions.*







## Accessories for endovascular procedures

Contact your local Cook Medical Aortic Intervention or Peripheral Intervention representative for a more comprehensive list of accessory products.

# Percutaneous Entry Thinwall Needle–One-Part



| Order Number | Reference Part Number | Accepts Wire Guide Diameter inch | Gage | Length cm |
|--------------|-----------------------|----------------------------------|------|-----------|
| G00166       | SDN-18-7.0            | .035/.038                        | 18   | 7         |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

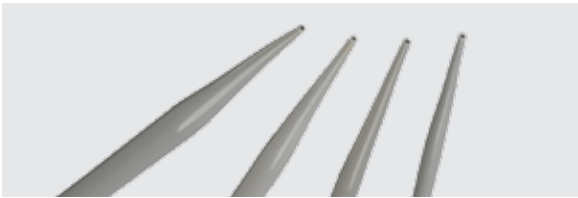
# Micropuncture® Introducer Sets



| Order Number                                                    | Reference Part Number          | Catheter OD Fr/cm | Wire Guide Diameter/Length inch/cm | Needle Gage/Length cm |
|-----------------------------------------------------------------|--------------------------------|-------------------|------------------------------------|-----------------------|
| <b>Stiffened Cannula – Nitinol Wire Guide with Platinum Tip</b> |                                |                   |                                    |                       |
| <b>G48007</b>                                                   | <b>MPIS-501-10.0-SC-NT-SST</b> | 5/10              | .018/40                            | 21/7                  |
| <b>.018 Inch Stainless Steel Wire Guide – Standard Cannula</b>  |                                |                   |                                    |                       |
| <b>G43869</b>                                                   | <b>MPIS-501-U-SST</b>          | 5/10              | .018/40                            | 21/7                  |

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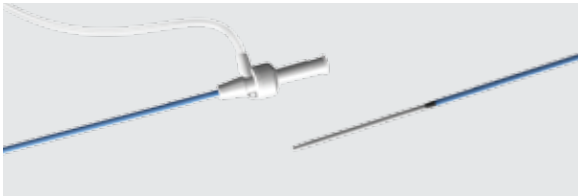
# Endovascular Dilator Sets



| Order Number | Reference Part Number | Accepts Wire Guide Diameter inch | Fr     | Length cm | Hydrophilic Coated |
|--------------|-----------------------|----------------------------------|--------|-----------|--------------------|
| G52833       | JCDS-14-EDS-HC        | .035                             | 14     | 45        | yes                |
| G52834       | JCDS-1618-EDS-HC      | .035                             | 16, 18 | 45        | yes                |
| G52835       | JCDS-2022-EDS-HC      | .035                             | 20, 22 | 45        | yes                |
| G52836       | JCDS-2426-EDS-HC      | .035                             | 24, 26 | 45        | yes                |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Performer Introducers



| Order Number                                            | Reference Part Number | Introducer Fr* | Accepts Wire Guide Diameter inch | Wire Guide Tip Config. | Sheath Length cm | Dilator Length cm |
|---------------------------------------------------------|-----------------------|----------------|----------------------------------|------------------------|------------------|-------------------|
| <b>Standard With Wire Guide</b>                         |                       |                |                                  |                        |                  |                   |
| G07376                                                  | RCF-6.0-35-J          | 6.0            | .035                             | 3 mm J                 | 13               | 20                |
| G07337                                                  | RCF-6.0-38-J          | 6.0            | .038                             | 3 mm J                 | 13               | 20                |
| G07377                                                  | RCF-7.0-35-J          | 7.0            | .035                             | 3 mm J                 | 13               | 20                |
| G07338                                                  | RCF-7.0-38-J          | 7.0            | .038                             | 3 mm J                 | 13               | 20                |
| G07490                                                  | RCF-8.0-38-J          | 8.0            | .038                             | 3 mm J                 | 13               | 20                |
| <b>Standard Without Wire Guide</b>                      |                       |                |                                  |                        |                  |                   |
| G07428                                                  | RCFW-5.0-38           | 5.0            | .038                             | -                      | 13               | 20                |
| G07420                                                  | RCFW-6.0-38           | 6.0            | .038                             | -                      | 13               | 20                |
| G07431                                                  | RCFW-7.0-38           | 7.0            | .038                             | -                      | 13               | 20                |
| G07432                                                  | RCFW-8.0-38           | 8.0            | .038                             | -                      | 13               | 20                |
| <b>Standard With Radiopaque Band Without Wire Guide</b> |                       |                |                                  |                        |                  |                   |
| G07919                                                  | RCFW-6.0-35-RB        | 6.0            | .035                             | -                      | 13               | 20                |
| G09118                                                  | RCFW-7.0-35-RB        | 7.0            | .035                             | -                      | 13               | 20                |

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*\*Determine the maximum diameter of the instrument or catheter that you are introducing in order to ensure its passage through the sheath.*

# Flexor® Ansel Guiding Sheaths with High-Flex Dilator

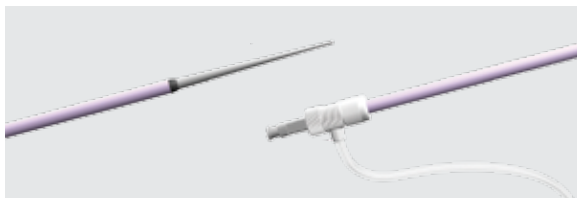


| Order Number                       | Reference Part Number               | Introducer ID Fr/mm* | Accepts Wire Guide Diameter inch | Length cm | Curve        |
|------------------------------------|-------------------------------------|----------------------|----------------------------------|-----------|--------------|
| <b>Standard Without Wire Guide</b> |                                     |                      |                                  |           |              |
| <b>G56231</b>                      | <b>KCFW-6.0-35-55-RB-HFANL0-HC</b>  | 6/2.2                | .035                             | 55        | straight     |
| <b>G56236</b>                      | <b>KCFW-6.0-35-55-RB-HFANL1-HC</b>  | 6/2.2                | .035                             | 55        | multipurpose |
| <b>G56221</b>                      | <b>KCFW-6.0-35-70-RB-HFANL0-HC</b>  | 6/2.2                | .035                             | 70        | straight     |
| <b>G56226</b>                      | <b>KCFW-6.0-35-70-RB-HFANL1-HC</b>  | 6/2.2                | .035                             | 70        | multipurpose |
| <b>G49043</b>                      | <b>KCFW-7.0-35-55-RB-HFANL1-HC</b>  | 7/2.54               | .035                             | 55        | multipurpose |
| <b>G49045</b>                      | <b>KCFW-8.0-35-55-RB-HFANL1-HC</b>  | 8/2.87               | .035                             | 55        | multipurpose |
| <b>G47700</b>                      | <b>KCFW-10.0-35-45-RB-HFANL1-HC</b> | 10/3.4               | .035                             | 45        | multipurpose |

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*\*Determine the maximum diameter of the instrument or catheter that you are introducing in order to ensure its passage through the sheath.*

# Large Check-Flo Performer® Introducers with Radiopaque Band

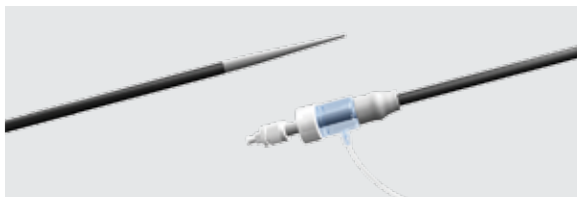


| Order Number  | Reference Part Number      | Introducer Fr* | Accepts Wire Guide Diameter inch | Sheath Length cm | Dilator Length cm |
|---------------|----------------------------|----------------|----------------------------------|------------------|-------------------|
| <b>G09691</b> | <b>RCFW-16.0P-38-30-RB</b> | 16.0           | .038                             | 30               | 42                |
| <b>G27023</b> | <b>RCFW-16.0P-38-35-RB</b> | 16.0           | .038                             | 35               | 47                |
| <b>G09582</b> | <b>RCFW-16.0P-38-70-RB</b> | 16.0           | .038                             | 70               | 82                |
| <b>G11672</b> | <b>RCFW-18.0P-38-30-RB</b> | 18.0           | .038                             | 30               | 42                |
| <b>G10626</b> | <b>RCFW-18.0P-38-40-RB</b> | 18.0           | .038                             | 40               | 52                |
| <b>G27025</b> | <b>RCFW-18.0P-38-85-RB</b> | 18.0           | .038                             | 85               | 97                |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

*\*Determine the maximum diameter of the instrument or catheter that you are introducing in order to ensure its passage through the sheath.*

# Check-Flo® Extra-Large Introducers



| Order Number  | Reference Part Number   | Introducer Fr* | Accepts Wire Guide Diameter inch | Sheath Length cm | Dilator Length cm |
|---------------|-------------------------|----------------|----------------------------------|------------------|-------------------|
| <b>G12830</b> | <b>XVCFW-20.0-35-40</b> | 20.0           | .035                             | 40               | 56                |
| <b>G12834</b> | <b>XVCFW-20.0-35-65</b> | 20.0           | .035                             | 65               | 81                |
| <b>G12831</b> | <b>XVCFW-22.0-35-25</b> | 22.0           | .035                             | 25               | 41                |
| <b>G12832</b> | <b>XVCFW-22.0-35-65</b> | 22.0           | .035                             | 65               | 81                |
| <b>G28999</b> | <b>XVCFW-24.0-35-25</b> | 24.0           | .035                             | 25               | 41                |
| <b>G12833</b> | <b>XVCFW-24.0-35-65</b> | 24.0           | .035                             | 65               | 81                |

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*\*Determine the maximum diameter of the instrument or catheter that you are introducing in order to ensure its passage through the sheath.*



# CXI® Support Catheters



| Order Number                      | Reference Part Number          | Fr  | Accepts Wire Guide Diameter inch | Sheath Length cm | Tip Configuration |
|-----------------------------------|--------------------------------|-----|----------------------------------|------------------|-------------------|
| <b>With Tungsten Marker Bands</b> |                                |     |                                  |                  |                   |
| <b>G18368</b>                     | <b>CXI-2.6-18-65-P-NS-ANG</b>  | 2.6 | .018                             | 65               | ANG               |
| <b>G18367</b>                     | <b>CXI-2.6-18-65-P-NS-0</b>    | 2.6 | .018                             | 65               | straight          |
| <b>G50002</b>                     | <b>CXI-2.6-18-90-P-NS-ANG</b>  | 2.6 | .018                             | 90               | ANG               |
| <b>G50004</b>                     | <b>CXI-2.6-18-90-P-NS-0</b>    | 2.6 | .018                             | 90               | straight          |
| <b>G50003</b>                     | <b>CXI-2.6-18-150-P-NS-ANG</b> | 2.6 | .018                             | 150              | ANG               |
| <b>G50001</b>                     | <b>CXI-2.6-18-150-P-NS-0</b>   | 2.6 | .018                             | 150              | straight          |
| <b>G52547</b>                     | <b>CXI-4.0-35-90-P-NS-DAV</b>  | 4.0 | .035                             | 90               | DAV               |
| <b>G52546</b>                     | <b>CXI-4.0-35-90-P-NS-0</b>    | 4.0 | .035                             | 90               | straight          |
| <b>G52543</b>                     | <b>CXI-4.0-35-135-P-NS-DAV</b> | 4.0 | .035                             | 135              | DAV               |
| <b>G52542</b>                     | <b>CXI-4.0-35-135-P-NS-0</b>   | 4.0 | .035                             | 135              | straight          |
| <b>G52545</b>                     | <b>CXI-4.0-35-150-P-NS-DAV</b> | 4.0 | .035                             | 150              | DAV               |
| <b>G52544</b>                     | <b>CXI-4.0-35-150-P-NS-0</b>   | 4.0 | .035                             | 150              | straight          |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# CrossCath® Support Catheters



| Order Number                                    | Reference Part Number           | Proximal/<br>Distal<br>Fr | Accepts<br>Wire Guide<br>Diameter<br>inch | Length<br>cm | Tip<br>Configuration |
|-------------------------------------------------|---------------------------------|---------------------------|-------------------------------------------|--------------|----------------------|
| <b>With Hydrophilic Coating on Distal 40 cm</b> |                                 |                           |                                           |              |                      |
| <b>G18497</b>                                   | <b>CXC3.4-2.2-18-65-P-NS-0</b>  | 3.4/2.2                   | .018                                      | 65           | straight             |
| <b>G51575</b>                                   | <b>CXC3.4-2.2-18-90-P-NS-0</b>  | 3.4/2.2                   | .018                                      | 90           | straight             |
| <b>G51583</b>                                   | <b>CXC3.4-2.2-18-135-P-NS-0</b> | 3.4/2.2                   | .018                                      | 135          | straight             |
| <b>G51577</b>                                   | <b>CXC3.4-2.2-18-150-P-NS-0</b> | 3.4/2.2                   | .018                                      | 150          | straight             |
| <b>G18499</b>                                   | <b>CXC4.8-3.7-35-65-P-NS-0</b>  | 4.8/3.7                   | .035                                      | 65           | straight             |
| <b>With Hydrophilic Coating on Distal 60 cm</b> |                                 |                           |                                           |              |                      |
| <b>G51580</b>                                   | <b>CXC4.8-3.7-35-90-P-NS-0</b>  | 4.8/3.7                   | .035                                      | 90           | straight             |
| <b>G51581</b>                                   | <b>CXC4.8-3.7-35-135-P-NS-0</b> | 4.8/3.7                   | .035                                      | 135          | straight             |
| <b>G51582</b>                                   | <b>CXC4.8-3.7-35-150-P-NS-0</b> | 4.8/3.7                   | .035                                      | 150          | straight             |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

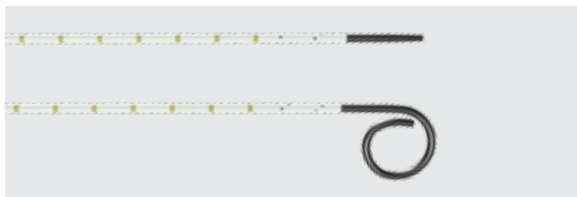
# Slip-Cath® Beacon® Tip Hydrophilic Angiographic Catheters



| Order Number | Reference Part Number     | Fr  | Accepts Wire Guide Diameter inch | Length cm |
|--------------|---------------------------|-----|----------------------------------|-----------|
| G11992       | SCBR5.0-38-100-P-NS-SIM2  | 5.0 | .038                             | 100       |
| G11994       | SCBR5.0-38-65-P-NS-C2     | 5.0 | .038                             | 65        |
| G11995       | SCBR5.0-38-65-P-NS-RIM    | 5.0 | .038                             | 65        |
| G11996       | SCBR5.0-38-100-P-NS-DAV   | 5.0 | .038                             | 100       |
| G12000       | SCBR5.0-38-100-P-NS-SIM1  | 5.0 | .038                             | 100       |
| G12007       | SCBR5.0-38-100-P-NS-VERT  | 5.0 | .038                             | 100       |
| G12009       | SCBR5.0-38-65-P-NS-0      | 5.0 | .038                             | 65        |
| G12156       | SCBR5.0-38-65-P-NS-KMP    | 5.0 | .038                             | 65        |
| G36320       | SCBR5.0-38-65-P-NS-TC     | 5.0 | .038                             | 65        |
| G36322       | SCBR5.0-38-65-P-NS-TC-BNK | 5.0 | .038                             | 65        |
| G13431       | SCBR5.0-38-80-P-NS-VS     | 5.0 | .038                             | 80        |
| G12006       | SCBR5.0-38-80-P-NS-C2     | 5.0 | .038                             | 80        |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Aurous™ Centimeter Sizing Catheters



| Order Number    | Reference Part Number                | Fr | Accepts Wire Guide Diameter inch | Length cm | Side-ports | Number of Bands/ Placement Interval cm |
|-----------------|--------------------------------------|----|----------------------------------|-----------|------------|----------------------------------------|
| <b>Pigtail</b>  |                                      |    |                                  |           |            |                                        |
| <b>G31216</b>   | <b>NR5.0-35-100-P-10S-PIG-CSC-20</b> | 5  | .035                             | 100       | 10         | 20/1                                   |
| <b>Straight</b> |                                      |    |                                  |           |            |                                        |
| <b>G31214</b>   | <b>NR5.0-35-100-P-10S-0-CSC-20</b>   | 5  | .035                             | 100       | 10         | 20/1                                   |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Beacon® Tip Seeking Catheters



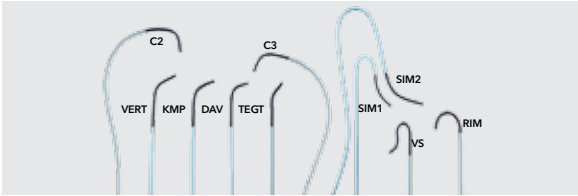
| Order Number                                  | Reference Part Number         | Fr  | Accepts Wire Guide Diameter inch | Length cm |
|-----------------------------------------------|-------------------------------|-----|----------------------------------|-----------|
| <b>Van Schie Beacon Tip Seeking Catheters</b> |                               |     |                                  |           |
| G13795                                        | HNBR5.0-35-65-P-NS-VANSCHIE1  | 5.0 | .035                             | 65        |
| G13794                                        | HNBR5.0-35-65-P-NS-VANSCHIE2  | 5.0 | .035                             | 65        |
| G13792                                        | HNBR5.0-35-65-P-NS-VANSCHIE3  | 5.0 | .035                             | 65        |
| G13783                                        | HNBR5.0-35-65-P-NS-VANSCHIE4  | 5.0 | .035                             | 65        |
| G13793                                        | HNBR5.0-35-65-P-NS-VANSCHIE5  | 5.0 | .035                             | 65        |
| G35733                                        | HNBR5.0-35-125-P-NS-VANSCHIE1 | 5.0 | .035                             | 125       |
| G35734                                        | HNBR5.0-35-125-P-NS-VANSCHIE2 | 5.0 | .035                             | 125       |
| G35735                                        | HNBR5.0-35-125-P-NS-VANSCHIE3 | 5.0 | .035                             | 125       |
| G35736                                        | HNBR5.0-35-125-P-NS-VANSCHIE4 | 5.0 | .035                             | 125       |
| G35737                                        | HNBR5.0-35-125-P-NS-VANSCHIE5 | 5.0 | .035                             | 125       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

| Order Number                                                  | Reference Part Number    | Fr  | Accepts Wire Guide Diameter inch | Length cm | Tip Configuration |
|---------------------------------------------------------------|--------------------------|-----|----------------------------------|-----------|-------------------|
| <b>Beacon Tip Torcon NB® Advantage Angiographic Catheters</b> |                          |     |                                  |           |                   |
| G35974                                                        | HNBR5.0-35-125-P-NS-VS1  | 5.0 | .035                             | 125       | VS1               |
| G31970                                                        | HNBR5.0-35-125-P-NS-C-PS | 5.0 | .035                             | 125       | C (Curly Q)       |

Some products or part numbers may not be available in all markets. Contact your local Cook representative or Customer Service for details.

# Beacon® Tip Torcon NB® Advantage Angiographic Catheters



| Order Number | Reference Part Number    | Fr  | Accepts Wire Guide Diameter inch | Length cm | Tip Configuration |
|--------------|--------------------------|-----|----------------------------------|-----------|-------------------|
| G08422       | HNBR5.0-35-100-P-NS-SIM2 | 5.0 | .035                             | 100       | SIM2              |
| G08444       | HNBR5.0-35-65-P-NS-RIM   | 5.0 | .035                             | 65        | RIM               |
| G08442       | HNBR5.0-35-65-P-NS-C2    | 5.0 | .035                             | 65        | C2                |
| G08443       | HNBR5.0-35-65-P-NS-C3    | 5.0 | .035                             | 65        | C3                |
| G08471       | HNBR5.0-35-100-P-NS-SIM1 | 5.0 | .035                             | 100       | SIM1              |
| G08699       | HNBR5.0-35-100-P-NS-DAV  | 5.0 | .035                             | 100       | DAV               |
| G08581       | HNBR5.0-38-100-P-NS-DAV  | 5.0 | .038                             | 100       | DAV               |
| G09548       | HNBR5.0-38-40-P-NS-KMP   | 5.0 | .038                             | 40        | KMP               |
| G11377       | HNBR5.0-38-65-P-NS-TEGT  | 5.0 | .038                             | 65        | TEGT              |
| G11209       | HNBR5.0-38-80-P-NS-VS    | 5.0 | .038                             | 80        | VS                |
| G11484       | HNBR5.0-38-100-P-NS-VERT | 5.0 | .038                             | 100       | VERT              |

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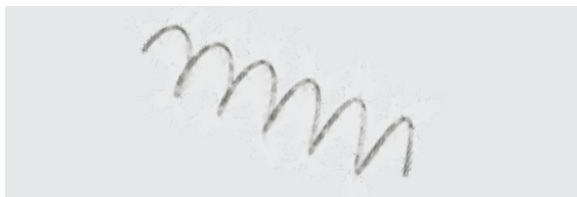
# Tornado® Platinum Embolization Coils



| Order Number                            | Reference Part Number       | Recommended Catheter ID and End Hole Diameter inch | Extended Embolus Length cm | Coiled Embolus Tapering Diameter mm |
|-----------------------------------------|-----------------------------|----------------------------------------------------|----------------------------|-------------------------------------|
| <b>.035 Inch Extended Coil Diameter</b> |                             |                                                    |                            |                                     |
| <b>G10414</b>                           | <b>MWCE-35-4/3-TORNADO</b>  | .035                                               | 2.6                        | 4-3                                 |
| <b>G10415</b>                           | <b>MWCE-35-5/3-TORNADO</b>  | .035                                               | 4.1                        | 5-3                                 |
| <b>G10416</b>                           | <b>MWCE-35-6/3-TORNADO</b>  | .035                                               | 5.8                        | 6-3                                 |
| <b>G10417</b>                           | <b>MWCE-35-7/3-TORNADO</b>  | .035                                               | 8                          | 7-3                                 |
| <b>G10411</b>                           | <b>MWCE-35-8/4-TORNADO</b>  | .035                                               | 8                          | 8-4                                 |
| <b>G10412</b>                           | <b>MWCE-35-8/5-TORNADO</b>  | .035                                               | 8.2                        | 8-5                                 |
| <b>G10428</b>                           | <b>MWCE-35-10/4-TORNADO</b> | .035                                               | 12.5                       | 10-4                                |
| <b>G10413</b>                           | <b>MWCE-35-10/5-TORNADO</b> | .035                                               | 12.5                       | 10-5                                |

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# Nester® Platinum Embolization Coils

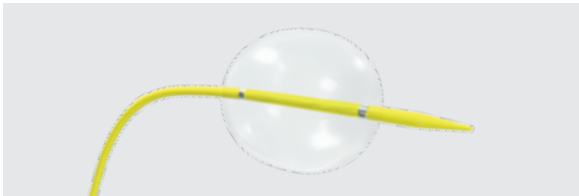


| Order Number                            | Reference Part Number | Recommended Catheter ID and End Hole Diameter inch | Extended Embolus Length cm | Coiled Embolus Diameter mm | Approximate Configuration Loops |
|-----------------------------------------|-----------------------|----------------------------------------------------|----------------------------|----------------------------|---------------------------------|
| <b>.035 Inch Extended Coil Diameter</b> |                       |                                                    |                            |                            |                                 |
| G52742                                  | MWCE-35-7-4-NESTER    | .035                                               | 7                          | 4                          | 5.6                             |
| G52743                                  | MWCE-35-7-6-NESTER    | .035                                               | 7                          | 6                          | 3.7                             |
| G52744                                  | MWCE-35-7-8-NESTER    | .035                                               | 7                          | 8                          | 2.8                             |
| G52745                                  | MWCE-35-7-10-NESTER   | .035                                               | 7                          | 10                         | 2.2                             |
| G52746                                  | MWCE-35-7-12-NESTER   | .035                                               | 7                          | 12                         | 1.9                             |
| G52747                                  | MWCE-35-7-14-NESTER   | .035                                               | 7                          | 14                         | 1.6                             |
| G52748                                  | MWCE-35-7-16-NESTER   | .035                                               | 7                          | 16                         | 1.4                             |
| G52749                                  | MWCE-35-7-18-NESTER   | .035                                               | 7                          | 18                         | 1.2                             |
| G52750                                  | MWCE-35-7-20-NESTER   | .035                                               | 7                          | 20                         | 1.1                             |
| G26993                                  | MWCE-35-14-4-NESTER   | .035                                               | 14                         | 4                          | 11.1                            |
| G26994                                  | MWCE-35-14-6-NESTER   | .035                                               | 14                         | 6                          | 7.4                             |
| G26995                                  | MWCE-35-14-8-NESTER   | .035                                               | 14                         | 8                          | 5.6                             |
| G26991                                  | MWCE-35-14-10-NESTER  | .035                                               | 14                         | 10                         | 4.5                             |
| G26992                                  | MWCE-35-14-12-NESTER  | .035                                               | 14                         | 12                         | 3.7                             |
| G52751                                  | MWCE-35-14-14-NESTER  | .035                                               | 14                         | 14                         | 3.2                             |
| G52752                                  | MWCE-35-14-16-NESTER  | .035                                               | 14                         | 16                         | 2.8                             |
| G52753                                  | MWCE-35-14-18-NESTER  | .035                                               | 14                         | 18                         | 2.5                             |
| G52754                                  | MWCE-35-14-20-NESTER  | .035                                               | 14                         | 20                         | 2.2                             |
| G52755                                  | MWCE-35-20-18-NESTER  | .035                                               | 20                         | 18                         | 3.5                             |
| G52756                                  | MWCE-35-20-20-NESTER  | .035                                               | 20                         | 20                         | 3.2                             |

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# Coda® Balloon Catheters

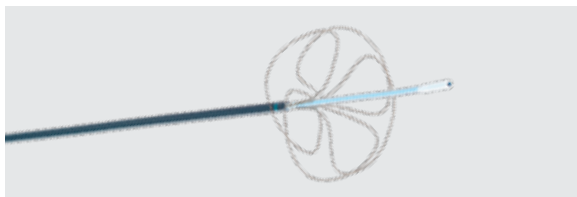


| Order Number | Reference Part Number | Catheter Fr/Length cm | Recommended Introducer Fr |
|--------------|-----------------------|-----------------------|---------------------------|
| G03832       | CODA-2-9.0-35-100-32  | 9.0/100               | 12                        |
| G03831       | CODA-2-9.0-35-120-32  | 9.0/120               | 12                        |
| G23773       | CODA-2-10.0-35-140-46 | 10.0/140              | 14                        |

| Accepts Wire Guide Diameter inch | Balloon Maximum Inflated Diameter mm | Balloon Maximum Inflation Volume mL |
|----------------------------------|--------------------------------------|-------------------------------------|
| .035                             | 32                                   | 30                                  |
| .035                             | 32                                   | 30                                  |
| .035                             | 46                                   | 60                                  |

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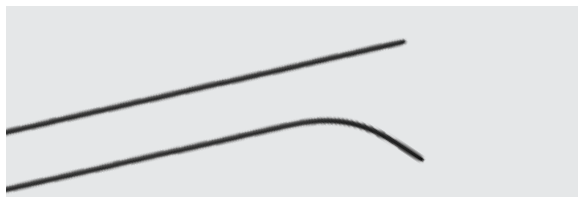
# Indy OTW™ Vascular Retrievers



| Order Number  | Reference Part Number     | Sheath OD Fr | Accepts Wire Guide Diameter inch | Sheath Length cm | Basket Diameter mm |
|---------------|---------------------------|--------------|----------------------------------|------------------|--------------------|
| <b>G51835</b> | <b>INDY-8.0-35-55-40</b>  | 8.0          | .035                             | 55               | 40                 |
| <b>G51836</b> | <b>INDY-8.0-35-100-40</b> | 8.0          | .035                             | 100              | 40                 |

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# Roadrunner® UniGlide® Hydrophilic Wire Guides



| Order Number                         | Reference Part Number | Wire Guide Diameter inch | Wire Guide Length cm | Taper Length cm | Floppy Tip Length cm |
|--------------------------------------|-----------------------|--------------------------|----------------------|-----------------|----------------------|
| <b>Standard Shaft – Straight Tip</b> |                       |                          |                      |                 |                      |
| <b>G56150</b>                        | <b>HPW-35-180</b>     | .035                     | 180                  | 14              | 3                    |
| <b>G30502</b>                        | <b>HPW-35-260</b>     | .035                     | 260                  | 14              | 3                    |
| <b>Standard Shaft – Angled Tip</b>   |                       |                          |                      |                 |                      |
| <b>G56174</b>                        | <b>HPWA-35-180</b>    | .035                     | 180                  | 14              | 3                    |
| <b>G30492</b>                        | <b>HPWA-35-260</b>    | .035                     | 260                  | 14              | 3                    |
| <b>Stiff Shaft – Straight Tip</b>    |                       |                          |                      |                 |                      |
| <b>G56153</b>                        | <b>HPWS-35-180</b>    | .035                     | 180                  | 20              | 3                    |
| <b>G30496</b>                        | <b>HPWS-35-260</b>    | .035                     | 260                  | 20              | 3                    |
| <b>Stiff Shaft – Angled Tip</b>      |                       |                          |                      |                 |                      |
| <b>G56177</b>                        | <b>HPWAS-35-180</b>   | .035                     | 180                  | 20              | 3                    |
| <b>G30506</b>                        | <b>HPWAS-35-260</b>   | .035                     | 260                  | 20              | 3                    |

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# Safe-T-J® Rosen Catheter Exchange Wire Guides



| Order Number                                            | Reference Part Number            | Diameter inch | Length cm | Taper Length cm | Floppy Tip Length cm | Tip Curve Radius mm |
|---------------------------------------------------------|----------------------------------|---------------|-----------|-----------------|----------------------|---------------------|
| <b>PTFE-Coated Stainless Steel</b>                      |                                  |               |           |                 |                      |                     |
| <b>G01264</b>                                           | <b>THSCF-35-180-1.5-ROSEN</b>    | .035          | 180       | 4.5             | 1.5                  | 1.5                 |
| <b>G01253</b>                                           | <b>THSCF-35-260-1.5-ROSEN</b>    | .035          | 260       | 4.5             | 1.5                  | 1.5                 |
| <b>PTFE-Coated Stainless Steel With Heparin Coating</b> |                                  |               |           |                 |                      |                     |
| <b>G01428</b>                                           | <b>THSCF-35-180-1.5-ROSEN-BH</b> | .035          | 180       | 4.5             | 1.5                  | 1.5                 |
| <b>G02246</b>                                           | <b>THSCF-35-260-1.5-ROSEN-BH</b> | .035          | 260       | 4.5             | 1.5                  | 1.5                 |

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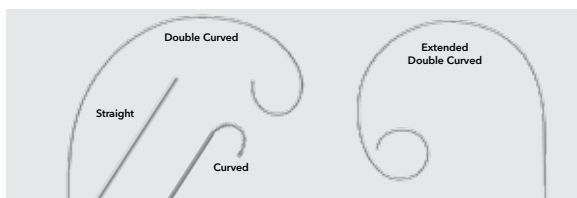
# Bentson Fixed Core Wire Guides



| Order Number                                                       | Reference Part Number | Diameter inch | Length cm | Flexible Tip Length cm | Distal Floppy Segment cm |
|--------------------------------------------------------------------|-----------------------|---------------|-----------|------------------------|--------------------------|
| <b>Straight – PTFE-Coated Stainless Steel With Heparin Coating</b> |                       |               |           |                        |                          |
| <b>G01431</b>                                                      | <b>TSFB-35-180-BH</b> | .035          | 180       | 20                     | 6                        |
| <b>G01062</b>                                                      | <b>TSFB-35-260-BH</b> | .035          | 260       | 20                     | 6                        |

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# Lunderquist® Extra-Stiff Wire Guides

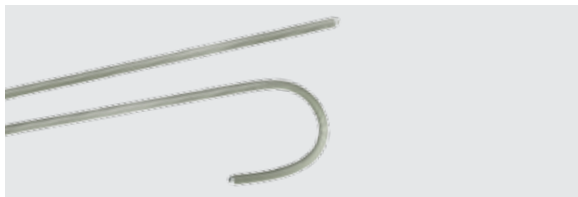


| Order Number                                           | Reference Part Number | Diameter inch | Length cm | Flexible Tip Length cm | Tip Curve Radius mm | Coil Length cm |
|--------------------------------------------------------|-----------------------|---------------|-----------|------------------------|---------------------|----------------|
| <b>Straight Exchange – PTFE-Coated Stainless Steel</b> |                       |               |           |                        |                     |                |
| G31453                                                 | TSMG-35-260-LES       | .035          | 260       | 4                      | straight            | 15             |
| G45352                                                 | TSMG-35-300-LES       | .035          | 300       | 4                      | straight            | 15             |
| <b>Curved Exchange – PTFE-Coated Stainless Steel</b>   |                       |               |           |                        |                     |                |
| G45353                                                 | TSCMG-35-260-7-LES    | .035          | 260       | 4                      | 7.5                 | 15             |
| G45407                                                 | TSCMG-35-300-7-LES    | .035          | 300       | 4                      | 7.5                 | 15             |

| Order Number                                                         | Reference Part Number | Diameter inch | Length cm | Flexible Tip Length cm | Primary/Secondary Curve Radius mm | Coil Length cm |
|----------------------------------------------------------------------|-----------------------|---------------|-----------|------------------------|-----------------------------------|----------------|
| <b>Double Curved Exchange – PTFE-Coated Stainless Steel</b>          |                       |               |           |                        |                                   |                |
| G45208                                                               | TSCMG-35-260-LESDC    | .035          | 260       | 4                      | 75/15                             | 15             |
| G45408                                                               | TSCMG-35-300-LESDC    | .035          | 300       | 4                      | 75/15                             | 15             |
| <b>Extended Double Curved Exchange – PTFE-Coated Stainless Steel</b> |                       |               |           |                        |                                   |                |
| G53967                                                               | TSCMG-35-260-E-LESDC  | .035          | 260       | 4                      | 55/15                             | 15             |
| G53971                                                               | TSCMG-35-300-E-LESDC  | .035          | 300       | 4                      | 55/15                             | 15             |

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# Amplatz Support Wire Guides



| Order Number                                                          | Reference Part Number | Wire Guide Diameter inch | Wire Guide Length cm | Taper Length cm | Floppy Tip Length cm |
|-----------------------------------------------------------------------|-----------------------|--------------------------|----------------------|-----------------|----------------------|
| <b>Amplatz Extra-Stiff - Straight - PTFE-Coated Stainless Steel</b>   |                       |                          |                      |                 |                      |
| G23639                                                                | THSF-35-180-AES-ST    | .035                     | 180                  | 7               | 1                    |
| G23640                                                                | THSF-35-260-AES-ST    | .035                     | 260                  | 7               | 1                    |
| <b>Amplatz Ultra-Stiff 2 - Straight - PTFE-Coated Stainless Steel</b> |                       |                          |                      |                 |                      |
| G19854                                                                | THSF-35-260-AUS2      | .035                     | 260                  | 13.5            | 6.5                  |
| <b>3 mm J Curved - PTFE-Coated Stainless Steel</b>                    |                       |                          |                      |                 |                      |
| G20320                                                                | THSCF-35-260-3-AUS2   | .035                     | 260                  | 13.5            | 6.5                  |

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