

# Physician's

## Pocket Reference Guide



# Transcend.

Indications for Use

Graft Specifications

Component Ordering Information

Introduction System Information

Accessories



# Zenith<sup>®</sup>

ENDOVASCULAR GRAFTS



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## Please Note

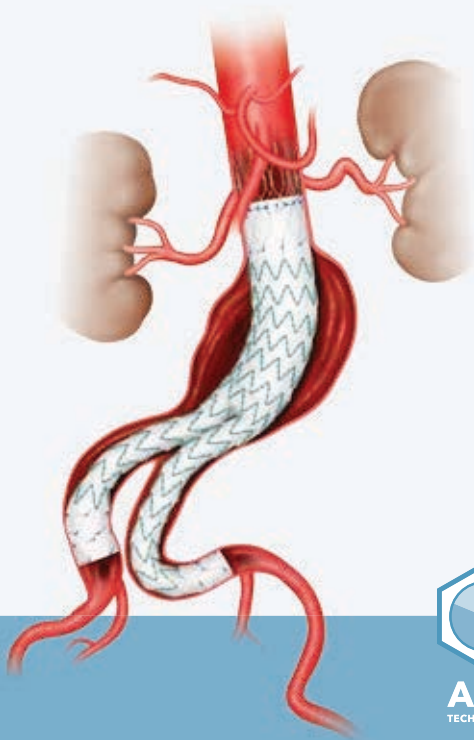
- Not all part numbers shown in this *Physician's Pocket Reference Guide* may be approved for sale in all regulatory jurisdictions. Consult with your local Cook representative or customer service centre for details.
- Please refer to the IFUs for complete instructions. Additional information may be found at [www.cookmedical.com/ai](http://www.cookmedical.com/ai).
- Black numbers on stents indicate stent lengths in millimeters (mm). Red numbers on grafts indicate fabric gap lengths in millimeters (mm). Fabric gaps may vary.





# Zenith® LP

AAA ENDOVASCULAR GRAFT

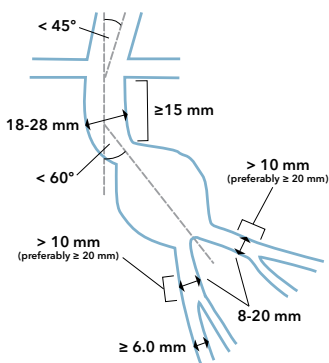


**ARC**  
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**Transcend: Precision**

Expect Zenith precision with simplified deployment.

## Indications for Use



<b>Indications for Use</b>	Patients with abdominal aortic or aortoiliac aneurysms having morphology suitable for endovascular repair
<b>Length</b>	$\geq 15$ mm nonaneurysmal infrarenal neck
<b>Aortic Fixation Site Diameter</b>	18–28 mm (measured outer wall to outer wall)
<b>Angulation/ Curvature</b>	<ul style="list-style-type: none"> <li>• Angle <math>&lt; 60</math> degrees relative to the long axis of the aneurysm</li> <li>• Angle <math>&lt; 45</math> 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 8–20 mm in diameter (measured outer wall to outer wall)
<b>Contralateral Iliac Fixation Site</b>	Distal fixation site $> 10$ mm in length and 8–20 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>	22–32 mm grafts: ID 16 Fr (5.3 mm) OD 6.0 mm
<b>Contraindications</b>	<ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to nitinol, polyester, polypropylene, gold, PTFE, nylon or urethane</li> <li>• Patients with a systemic infection who may be at increased risk of endovascular graft infection</li> </ul>

## Bifurcated Main Body Grafts

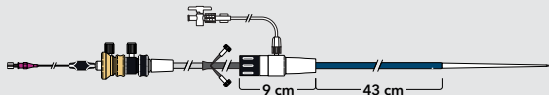
Order Number	Reference Part Number	Neck Diameter mm	Main Body Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>22 mm Diameter</b>					
G51975	ZALB-22-70	18-19	22	70	16 (5.3)/6.0
G51976	ZALB-22-84	18-19	22	84	16 (5.3)/6.0
G51977	ZALB-22-98	18-19	22	98	16 (5.3)/6.0
G51978	ZALB-22-108	18-19	22	108	16 (5.3)/6.0
G51979	ZALB-22-118	18-19	22	118	16 (5.3)/6.0
G51980	ZALB-22-128	18-19	22	128	16 (5.3)/6.0
<b>24 mm Diameter</b>					
G51981	ZALB-24-70	20-21	24	70	16 (5.3)/6.0
G51982	ZALB-24-84	20-21	24	84	16 (5.3)/6.0
G51983	ZALB-24-98	20-21	24	98	16 (5.3)/6.0
G51984	ZALB-24-108	20-21	24	108	16 (5.3)/6.0
G51985	ZALB-24-118	20-21	24	118	16 (5.3)/6.0
G51986	ZALB-24-128	20-21	24	128	16 (5.3)/6.0
<b>26 mm Diameter</b>					
G51987	ZALB-26-70	22	26	70	16 (5.3)/6.0
G51988	ZALB-26-84	22	26	84	16 (5.3)/6.0
G51989	ZALB-26-98	22	26	98	16 (5.3)/6.0
G51990	ZALB-26-108	22	26	108	16 (5.3)/6.0
G51991	ZALB-26-118	22	26	118	16 (5.3)/6.0
G51992	ZALB-26-128	22	26	128	16 (5.3)/6.0
<b>28 mm Diameter</b>					
G49681	ZALB-28-70	23-24	28	70	16 (5.3)/6.0
G49682	ZALB-28-84	23-24	28	84	16 (5.3)/6.0
G49683	ZALB-28-98	23-24	28	98	16 (5.3)/6.0
G49684	ZALB-28-108	23-24	28	108	16 (5.3)/6.0
G49685	ZALB-28-118	23-24	28	118	16 (5.3)/6.0
G49686	ZALB-28-128	23-24	28	128	16 (5.3)/6.0

## Bifurcated Main Body Grafts (continued)

Order Number	Reference Part Number	Neck Diameter mm	Main Body Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>30 mm Diameter</b>					
G49675	ZALB-30-70	25-26	30	70	16 (5.3)/6.0
G49676	ZALB-30-84	25-26	30	84	16 (5.3)/6.0
G49695	ZALB-30-98	25-26	30	98	16 (5.3)/6.0
G49677	ZALB-30-108	25-26	30	108	16 (5.3)/6.0
G49678	ZALB-30-118	25-26	30	118	16 (5.3)/6.0
G49679	ZALB-30-128	25-26	30	128	16 (5.3)/6.0
<b>32 mm Diameter</b>					
G49688	ZALB-32-70	27-28	32	70	16 (5.3)/6.0
G48020	ZALB-32-84	27-28	32	84	16 (5.3)/6.0
G49689	ZALB-32-98	27-28	32	98	16 (5.3)/6.0
G49690	ZALB-32-108	27-28	32	108	16 (5.3)/6.0
G49692	ZALB-32-118	27-28	32	118	16 (5.3)/6.0
G49691	ZALB-32-128	27-28	32	128	16 (5.3)/6.0

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

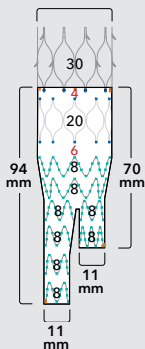
22-32 mm grafts: 16 Fr (5.3 mm) ID/6.0 mm OD



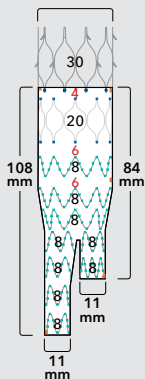


## Bifurcated Main Body Grafts

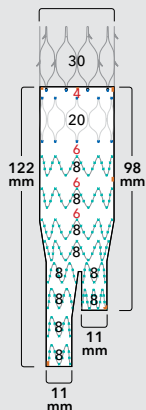
22, 24, 26, 28, 30, 32 mm



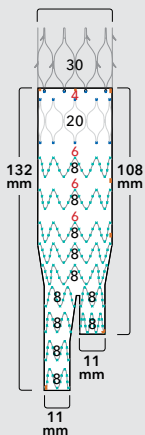
22, 24, 26, 28, 30, 32 mm



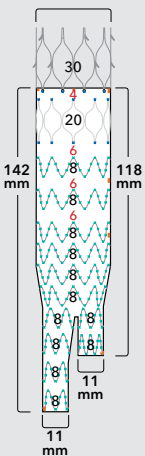
22, 24, 26, 28, 30, 32 mm



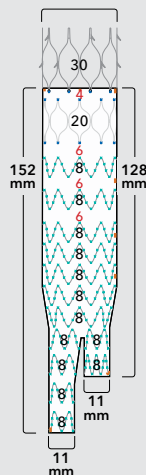
22, 24, 26, 28, 30, 32 mm



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



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



ZALB-XX-YY

ZALB-(main body diameter)-(main body length)

## Contralateral/Ipsilateral Iliac Legs

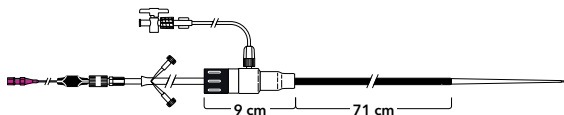
Order Number	Reference Part Number	Iliac Leg Distal Diameter mm	Iliac Leg Working Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>10 mm Diameter</b>				
G49536	ZALL-10-36	10	36	14 (4.7)/5.3
G50900	ZALL-10-48	10	48	14 (4.7)/5.3
G49537	ZALL-10-60	10	60	14 (4.7)/5.3
G49538	ZALL-10-72	10	72	14 (4.7)/5.3
G50901	ZALL-10-84	10	84	14 (4.7)/5.3
G49539	ZALL-10-96	10	96	14 (4.7)/5.3
G49540	ZALL-10-108	10	108	14 (4.7)/5.3
G49541	ZALL-10-120	10	120	14 (4.7)/5.3
<b>12 mm Diameter</b>				
G49542	ZALL-12-36	12	36	14 (4.7)/5.3
G50902	ZALL-12-48	12	48	14 (4.7)/5.3
G48021	ZALL-12-60	12	60	14 (4.7)/5.3
G49543	ZALL-12-72	12	72	14 (4.7)/5.3
G50903	ZALL-12-84	12	84	14 (4.7)/5.3
G49544	ZALL-12-96	12	96	14 (4.7)/5.3
G49545	ZALL-12-108	12	108	14 (4.7)/5.3
G48524	ZALL-12-120	12	120	14 (4.7)/5.3
<b>14 mm Diameter</b>				
G49546	ZALL-14-36	14	36	14 (4.7)/5.3
G50904	ZALL-14-48	14	48	14 (4.7)/5.3
G49547	ZALL-14-60	14	60	14 (4.7)/5.3
G49548	ZALL-14-72	14	72	14 (4.7)/5.3
G50905	ZALL-14-84	14	84	14 (4.7)/5.3
G49549	ZALL-14-96	14	96	14 (4.7)/5.3
G49550	ZALL-14-108	14	108	14 (4.7)/5.3
<b>16 mm Diameter</b>				
G49551	ZALL-16-36	16	36	14 (4.7)/5.3
G50906	ZALL-16-48	16	48	14 (4.7)/5.3
G49552	ZALL-16-60	16	60	14 (4.7)/5.3
G49553	ZALL-16-72	16	72	14 (4.7)/5.3
G50907	ZALL-16-84	16	84	14 (4.7)/5.3
G49554	ZALL-16-96	16	96	14 (4.7)/5.3

**Contralateral/Ipsilateral Iliac Legs** (continued)

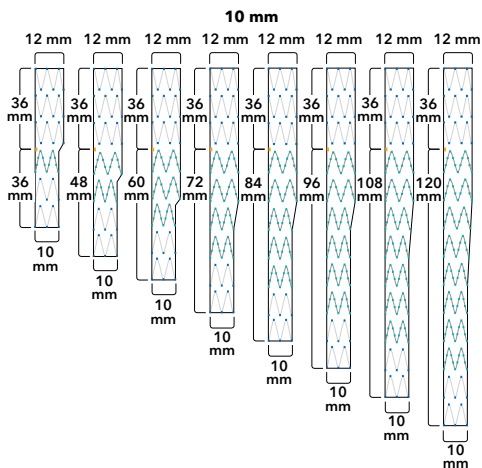
Order Number	Reference Part Number	Iliac Leg Distal Diameter mm	Iliac Leg Working Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>18 mm Diameter</b>				
G49555	ZALL-18-36	18	36	14 (4.7)/5.3
G50908	ZALL-18-48	18	48	14 (4.7)/5.3
G49556	ZALL-18-60	18	60	14 (4.7)/5.3
G49557	ZALL-18-72	18	72	14 (4.7)/5.3
G50909	ZALL-18-84	18	84	14 (4.7)/5.3
G49558	ZALL-18-96	18	96	14 (4.7)/5.3
<b>20 mm Diameter</b>				
G49559	ZALL-20-36	20	36	14 (4.7)/5.3
G50910	ZALL-20-48	20	48	14 (4.7)/5.3
G49560	ZALL-20-60	20	60	14 (4.7)/5.3
G49561	ZALL-20-72	20	72	14 (4.7)/5.3
G50911	ZALL-20-84	20	84	14 (4.7)/5.3
G49562	ZALL-20-96	20	96	14 (4.7)/5.3
<b>22 mm Diameter</b>				
G49563	ZALL-22-36	22	36	14 (4.7)/5.3
G50912	ZALL-22-48	22	48	14 (4.7)/5.3
G49564	ZALL-22-60	22	60	14 (4.7)/5.3
G49565	ZALL-22-72	22	72	14 (4.7)/5.3
G50913	ZALL-22-84	22	84	14 (4.7)/5.3
G49566	ZALL-22-96	22	96	14 (4.7)/5.3
<b>24 mm Diameter</b>				
G49567	ZALL-24-36	24	36	14 (4.7)/5.3
G50914	ZALL-24-48	24	48	14 (4.7)/5.3
G49568	ZALL-24-60	24	60	14 (4.7)/5.3
G49569	ZALL-24-72	24	72	14 (4.7)/5.3
G50915	ZALL-24-84	24	84	14 (4.7)/5.3
G48525	ZALL-24-96	24	96	14 (4.7)/5.3

## H&L-B One-Shot® Introduction System for Iliac Leg Grafts

10-24 mm grafts: 14 Fr (4.7 mm) ID/5.3 mm OD



## Contralateral/Ipsilateral Iliac Legs

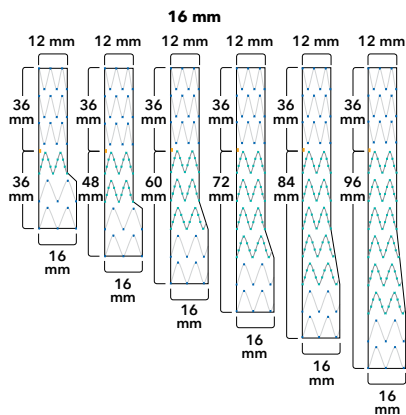
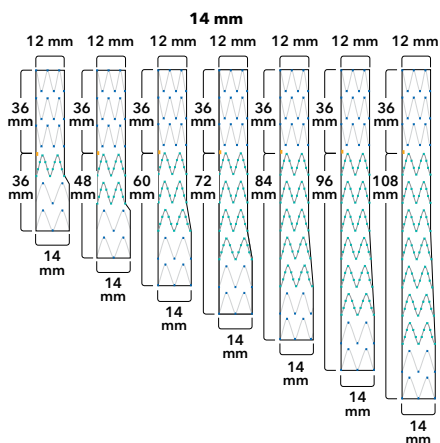


ZALL-XX-YY

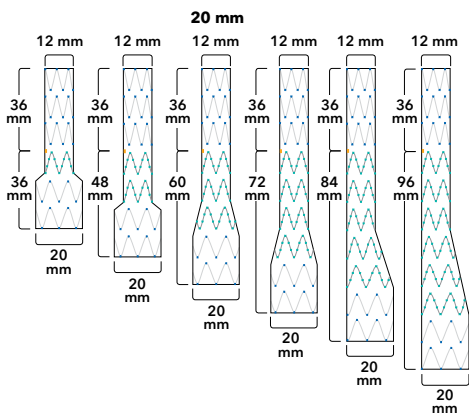
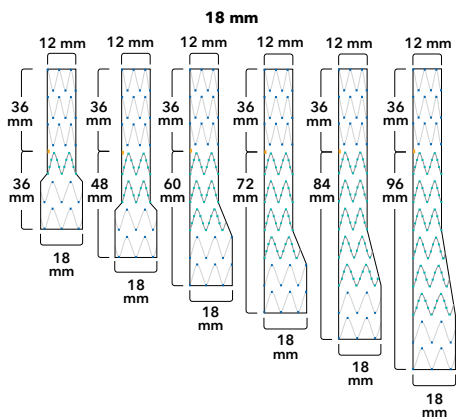
ZALL-(distal diameter)-(working length)

**Note:** All stents on iliac legs are 8 mm in length.

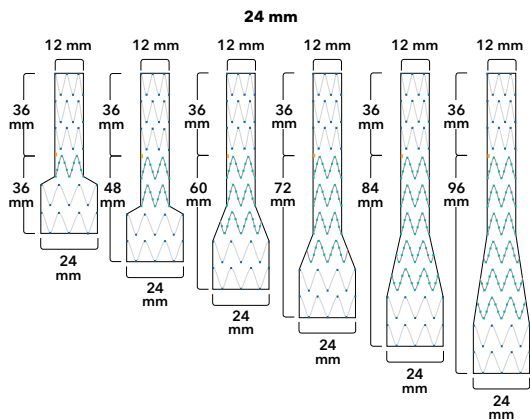
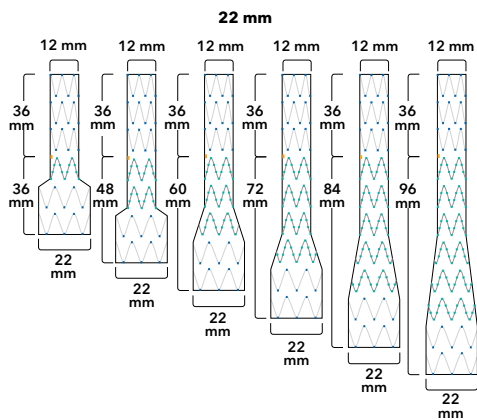
**Contralateral/Ipsilateral Iliac Legs** (continued)



## Contralateral/Ipsilateral Iliac Legs (continued)



**Contralateral/Ipsilateral Iliac Legs** (continued)





## Ancillary Components

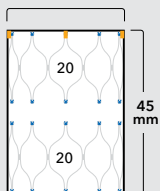
Order Number	Reference Part Number	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>Main Body Extensions</b>				
G51995	ZLBE-22-45	22	45	16 (5.3)/6.0
G51997	ZLBE-24-45	24	45	16 (5.3)/6.0
G51999	ZLBE-26-45	26	45	16 (5.3)/6.0
G49290	ZLBE-28-45	28	45	16 (5.3)/6.0
G52001	ZLBE-30-45	30	45	16 (5.3)/6.0
G49291	ZLBE-32-45	32	45	16 (5.3)/6.0
G51996	ZLBE-22-58	22	58	16 (5.3)/6.0
G51998	ZLBE-24-58	24	58	16 (5.3)/6.0
G52000	ZLBE-26-58	26	58	16 (5.3)/6.0
G48604	ZLBE-28-58	28	58	16 (5.3)/6.0
G52002	ZLBE-30-58	30	58	16 (5.3)/6.0
G48603	ZLBE-32-58	32	58	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>Converters</b>					
G52003	ZLC-24-66	24	12	66	16 (5.3)/6.0
G48601	ZLC-28-66	28	12	66	16 (5.3)/6.0
G48602	ZLC-32-66	32	12	66	16 (5.3)/6.0

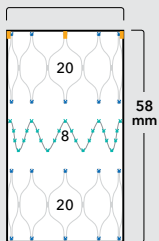
## Ancillary Components

### Main Body Extensions

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

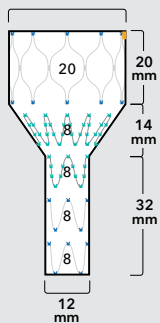


22, 24, 26, 28, 30, 32 mm



### Converters

24, 28, 32 mm



### Main Body Extensions

ZLBE-XX-YY

ZLBE-(diameter)-(length)

### Converters

ZLC-XX-YY

ZLC-(proximal diameter)-(length)

## 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 the 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  $\surd$  indicates an anterior position of the short contralateral limb.

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

### 2 MAIN BODY PROXIMAL (TOP) DEPLOYMENT

Remove the safety lock from the gold trigger-wire release mechanism. Withdraw trigger wires (deploying the suprarenal stent) by sliding the gold trigger-wire release mechanism off the handle and then remove via its slot over the device inner cannula.

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

### 3 CONTRALATERAL ILIAC WIRE GUIDE PLACEMENT

Manipulate catheter and wire guide through open end of contralateral limb into body of the graft. Advance the contralateral wire guide inside the body of the graft and into the thoracic aorta. AP and oblique fluoroscopic views can aid in verification of device cannulation.

### 4 CONTRALATERAL ILIAC LEG PLACEMENT AND DEPLOYMENT

Introduce the contralateral iliac leg delivery system into the artery. Advance slowly until the gold radiopaque marker on the iliac leg graft aligns with the gold checkmark of the main body graft, giving an approximately 3 stents overlap between components. Reposition the contralateral iliac leg graft if necessary to ensure both internal iliac patency and a minimum of 2.5 stents (i.e., proximal stent of iliac leg graft, maximum overlap of 3.5 stents) within the main body endovascular graft. To deploy, hold the contralateral iliac leg graft in position with the grey positioner while withdrawing the sheath approximately 10 mm. Stop withdrawing the sheath as soon as the distal end of the contralateral iliac leg graft is released. Verify iliac leg graft position, loosen pin vise and retract inner cannula to dock tapered dilator to positioner. Tighten pin vise and withdraw grey positioner with secured inner cannula.

### 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 black trigger-wire release mechanism. Withdraw and remove the trigger-wire release mechanism.

## Deployment Overview\*

### 6 INNER SUBASSEMBLY REMOVAL

Loosen the pin vise; retract inner cannula to dock tapered dilator to positioner. Tighten the pin vise. Withdraw the entire inner subassembly through the sheath by pulling on the inner cannula. Leave the sheath and wire guide in place.

**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

Utilise the main body graft wire and sheath assembly to introduce the ipsilateral iliac leg graft. Advance dilator and sheath assembly into the main body sheath. Advance slowly until the gold radiopaque marker on the iliac leg aligns with the gold markers on the ipsilateral limb of the main body, giving an approximately 3 stents overlap between components.

Reposition the iliac leg graft if necessary to ensure internal iliac patency and a minimum overlap of 2.5 stents (i.e., proximal stent of iliac leg graft, maximum overlap of 4 stents) within the main body endovascular graft. To deploy, hold the iliac leg graft in position with the grey positioner while withdrawing the sheath approximately 10 mm. Check the graft position and reposition if necessary. Stop withdrawing the sheath as soon as the distal end of the contralateral iliac leg graft is released. Verify iliac leg graft position, loosen pin vise and retract inner cannula to dock tapered dilator to positioner. Tighten pin vise and withdraw grey positioner with secured inner cannula. Close the Captor Hemostatic Valve on the Flexor Introducer Sheath.

### 8 MOULDING BALLOON INSERTION

Advance the moulding balloon over the wire guide and through the haemostatic valve of the main body introduction system to the level of the renal arteries. Expand the moulding 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 deflation of balloon prior to repositioning.

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

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

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

Deflate and remove moulding 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 LP 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.*



# Zenith Flex<sup>®</sup>

AAA ENDOVASCULAR GRAFT

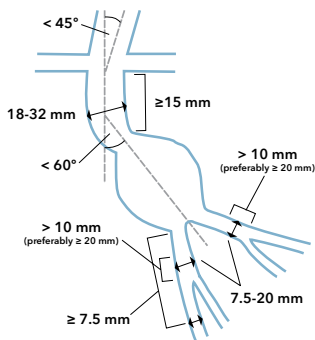


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TECHNOLOGY™

## Transcend: Precision

Insist on precise placement and unrivaled migration resistance.

## 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: ID 18 Fr (6.0 mm) OD 7.1 mm	28-32 mm grafts: ID 20 Fr (6.7 mm) OD 7.7 mm	36 mm grafts: ID 22 Fr (7.3 mm) 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	Neck Diameter mm	Main Body Diameter mm	Main Body 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

## Bifurcated Main Body Grafts (continued)

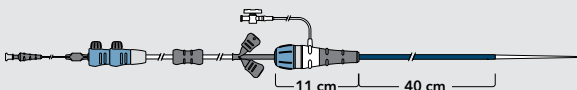
Order Number	Reference Part Number	Neck Diameter mm	Main Body Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>32 mm Diameter</b>					
G48427	TFFB-32-82-ZT	27-28	32	82	20 (6.7)/7.7
G48428	TFFB-32-96-ZT	27-28	32	96	20 (6.7)/7.7
G48429	TFFB-32-111-ZT	27-28	32	111	20 (6.7)/7.7
G48430	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

## 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

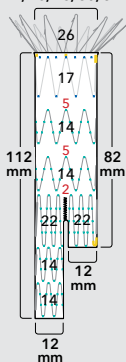
36 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD



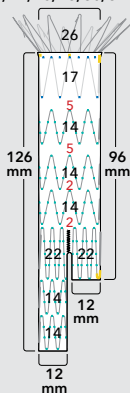


## Bifurcated Main Body Grafts

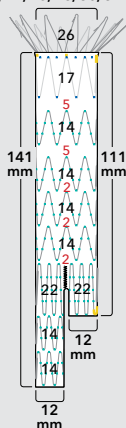
22, 24, 26, 28, 30, 32 mm



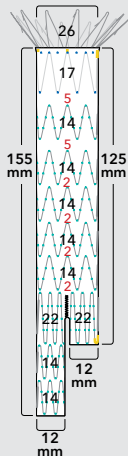
22, 24, 26, 28, 30, 32 mm



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



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



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

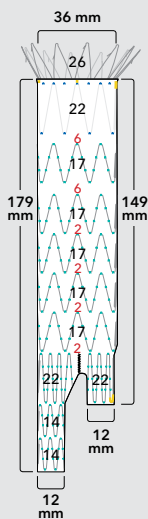
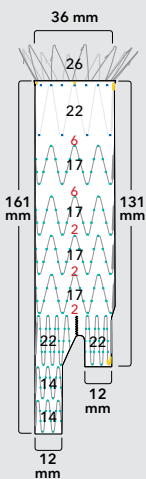
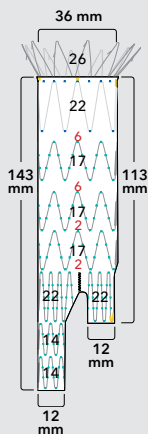
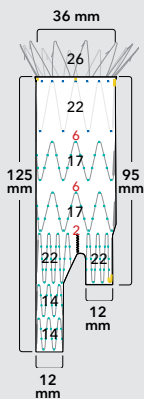


TFFB-XX-YY-ZT

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

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

## Bifurcated Main Body Grafts (continued)



## 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	22	39	18 (6.0)/7.1
G55205	ESBE-24-39	24	39	18 (6.0)/7.1
G55206	ESBE-26-39	26	39	18 (6.0)/7.1
G55207	ESBE-28-39	28	39	20 (6.7)/7.7
G55208	ESBE-30-39	30	39	20 (6.7)/7.7
G55209	ESBE-32-39	32	39	20 (6.7)/7.7
G55210	ESBE-36-50	36	50	20 (6.7)/7.7
G55211	ESBE-22-58	22	58	18 (6.0)/7.1
G55212	ESBE-24-58	24	58	18 (6.0)/7.1
G55213	ESBE-26-58	26	58	18 (6.0)/7.1
G55214	ESBE-28-58	28	58	20 (6.7)/7.7
G55215	ESBE-30-58	30	58	20 (6.7)/7.7
G55216	ESBE-32-58	32	58	20 (6.7)/7.7
G55217	ESBE-36-73	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	24	12	80	18 (6.0)/7.1
G55192	ESC-28-12-80	28	12	80	20 (6.7)/7.7
G55193	ESC-32-12-80	32	12	80	20 (6.7)/7.7
G55194	ESC-36-12-82	36	12	82	20 (6.7)/7.7

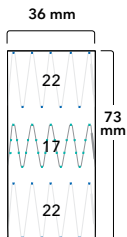
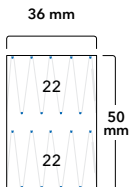
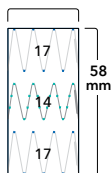
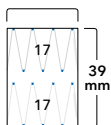
Order Number	Reference Part Number	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>Iliac Plugs</b>				
G18505	ZIP-14-ZT	14	30	14 (4.7)/5.4
G18506	ZIP-16-ZT	16	30	14 (4.7)/5.4
G18507	ZIP-20-ZT	20	30	16 (5.3)/6.0
G18508	ZIP-24-ZT	24	30	16 (5.3)/6.0

## Ancillary Components

### Main Body Extensions

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

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



### Main Body Extensions

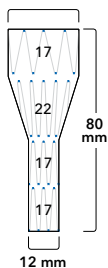
ESBE-XX-YY

ESBE-(diameter)-(length)

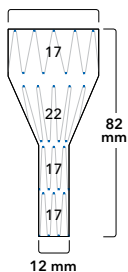
## Ancillary Components

### Converters

24, 28, 32 mm

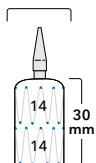


36 mm



### Iliac Plugs

14, 16, 20, 24 mm



Iliac Plugs

ZIP-XX-ZT

ZIP-(diameter)-ZT

Converters

ESC-XX-YY-ZZ

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

## 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 the 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  $\sqrt{\quad}$  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 into the 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 grey 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 grey positioner. Tighten pin vise and withdraw grey positioner with secured inner cannula.

### 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 grey positioner over the inner cannula until it docks with the top cap. Retighten pin vise and withdraw the entire top cap and grey 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 wire and sheath assembly to introduce the ipsilateral iliac leg graft. Advance dilator and sheath assembly 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, stabilise the iliac leg graft with the grey positioner while withdrawing the iliac leg sheath. Verify iliac leg graft position, loosen pin vise and retract inner cannula to dock tapered dilator to grey positioner. Tighten pin vise and withdraw grey positioner with secured inner cannula. Close the Captor Hemostatic Valve on the Flexor Introducer Sheath.

### 8 MOULDING BALLOON INSERTION

Advance the moulding balloon over the wire guide and through the haemostatic valve of the main body introduction system to the level of the renal arteries. Expand the moulding balloon with diluted contrast media in the area of the suprarenal 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 moulding balloon.

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

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

Deflate and remove moulding 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.*







# Zenith Flex<sup>®</sup> AUI

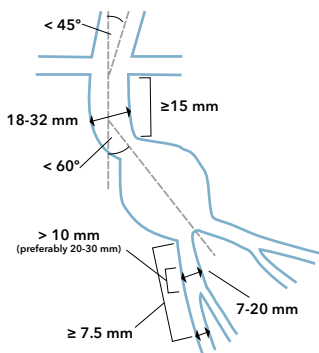
AAA ENDOVASCULAR GRAFT



## Transcend: Precision

Insist on precise placement and unrivaled migration resistance.

## Indications for Use



<b>Indications for Use</b>	Patients with abdominal aortic, ruptured abdominal aortic, aorto-iliac, or iliac 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; and</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 7-20 mm in diameter (outer wall to outer wall) and > 10 mm in length (20-30 mm preferred)		
<b>Contralateral Iliac Fixation Site</b>	Iliac Plug (ZIP) available for occlusion when femoral-to-femoral crossover is required		
<b>Access</b>	Adequate femoral/iliac access compatible with the required introduction systems		
<b>Introducer Diameters</b>	22, 24, 26 mm grafts: ID 18 Fr (6.0 mm) OD 7.1 mm	28-32 mm grafts: ID 20 Fr (6.7 mm) OD 7.7 mm	36 mm grafts: ID 22 Fr (7.3 mm) OD 8.5 mm
<b>Contraindications</b>	<p>The Zenith Flex AUI AAA Endovascular Graft with the Z-Trak Introduction System is contraindicated in:</p> <ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to stainless steel, polyester, solder (tin, silver), polypropylene, or gold</li> <li>• Patients with systemic infection who may be at increased risk of endovascular graft infection</li> </ul>		

## Aortouni-iliac (AUI) Main Body Grafts

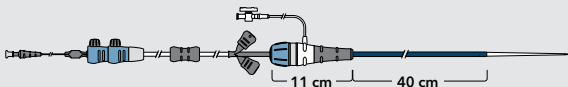
Order Number	Reference Part Number	Neck Diameter mm	Main Body Proximal Diameter mm	Distal Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>22 mm Diameter</b>						
G53799	ZAUI-22-130-ZT	18-19	22	12	130	18 (6.0)/7.1
<b>24 mm Diameter</b>						
G53802	ZAUI-24-130-ZT	20-21	24	12	130	18 (6.0)/7.1
G53803	ZAUI-24-147-ZT	20-21	24	12	147	18 (6.0)/7.1
<b>26 mm Diameter</b>						
G53805	ZAUI-26-130-ZT	22	26	12	130	18 (6.0)/7.1
<b>28 mm Diameter</b>						
G53808	ZAUI-28-130-ZT	23-24	28	12	130	20 (6.7)/7.7
G53809	ZAUI-28-147-ZT	23-24	28	12	147	20 (6.7)/7.7
<b>30 mm Diameter</b>						
G53811	ZAUI-30-130-ZT	25-26	30	12	130	20 (6.7)/7.7
<b>32 mm Diameter</b>						
G53814	ZAUI-32-130-ZT	27-28	32	12	130	20 (6.7)/7.7
G53815	ZAUI-32-147-ZT	27-28	32	12	147	20 (6.7)/7.7
<b>36 mm Diameter</b>						
G53817	ZAUI-36-144-ZT	29-32	36	12	144	22 (7.3)/8.5
G53818	ZAUI-36-161-ZT	29-32	36	12	161	22 (7.3)/8.5

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

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

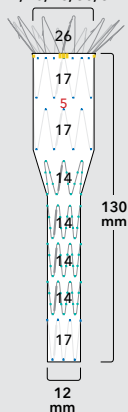
26-32 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

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

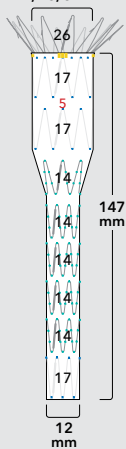


## Aortouni-iliac (AUI) Main Body Grafts

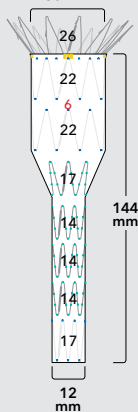
22, 24, 26, 28, 30, 32 mm



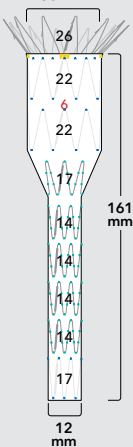
24, 28, 32 mm



36 mm



36 mm



ZAUI-XX-YY-ZT

ZAUI-(proximal diameter)-(main body length)-ZT



# Zenith® Spiral-Z™

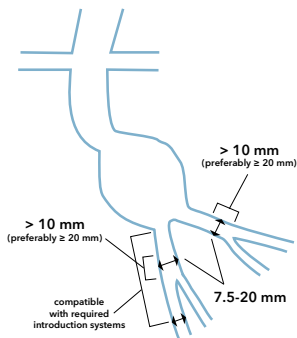
AAA ILIAC LEG GRAFT



**Transcend: Precision**

Prioritize patency and system trackability.

## 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: ID 14 Fr (4.7 mm) OD 5.4 mm	20-24 mm grafts: ID 16 Fr (5.3 mm) 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

## Contralateral/Ipsilateral Iliac Leg Grafts

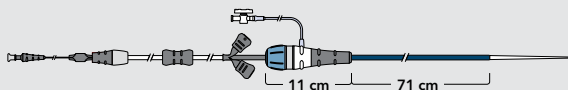
(Continued)

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>				
G55244	ZSLE-24-39-ZT	24	39	16 (5.3)/6.0
G55245	ZSLE-24-56-ZT	24	56	16 (5.3)/6.0
G55246	ZSLE-24-74-ZT	24	74	16 (5.3)/6.0
G55247	ZSLE-24-90-ZT	24	90	16 (5.3)/6.0

## Z-Trak® Introduction System for Iliac Legs

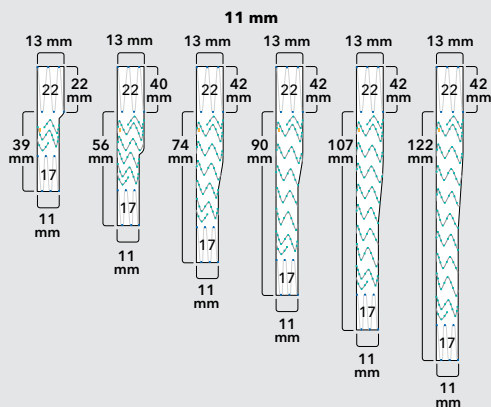
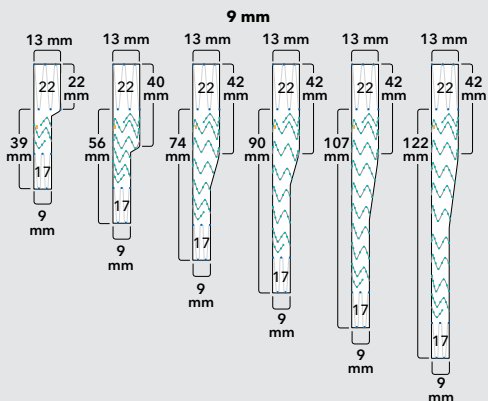
9-16 mm grafts: 14 Fr (4.7 mm) ID/5.4 mm OD

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





## Contralateral/Ipsilateral Iliac Leg Grafts

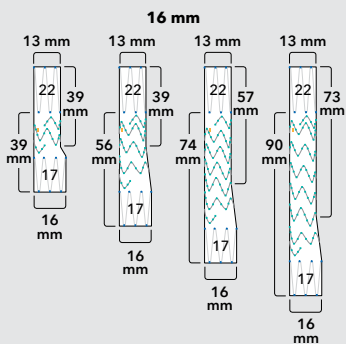
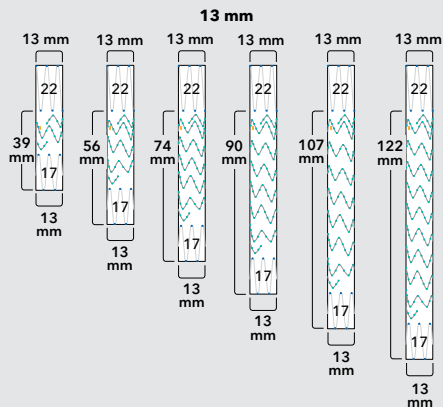


ZSLE-XX-YY-ZT

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

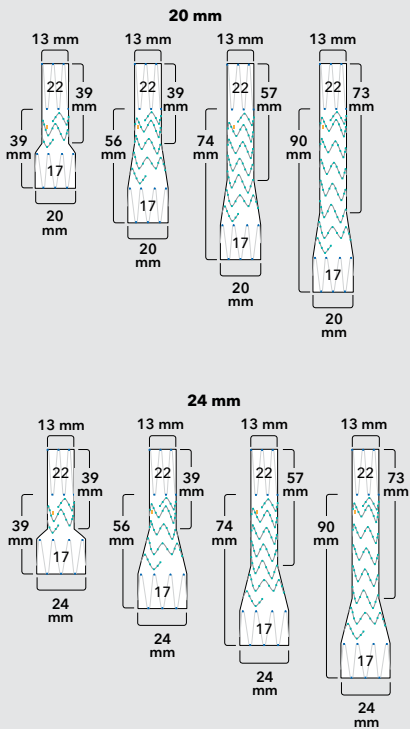
## Contralateral/Ipsilateral Iliac Leg Grafts

(continued)



## Contralateral/Ipsilateral Iliac Leg Grafts

(Continued)







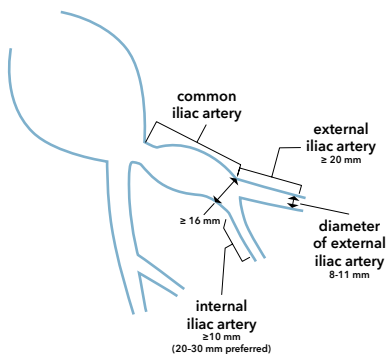
# Zenith<sup>®</sup> Branch

ILIAC ENDOVASCULAR GRAFT



**Transcend: Preserve**  
Preserve flow to the internal iliacs.

## Indications for Use



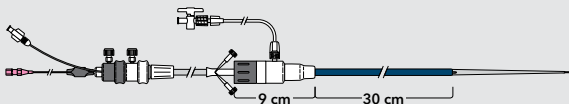
<b>Indications for Use</b>	Patients with an aortoiliac or iliac aneurysm, an insufficient distal sealing site within the common iliac artery, and having morphology suitable for endovascular repair.
<b>Aneurysmal Iliac</b>	<p>Nonaneurysmal external iliac artery fixation segment distal to the aneurysm with:</p> <ul style="list-style-type: none"> <li>• Length <math>\geq 20</math> mm</li> <li>• Diameter measured outer wall to outer wall of 8-11 mm</li> </ul> <p>Nonaneurysmal internal iliac artery segment distal to the aneurysm with:</p> <ul style="list-style-type: none"> <li>• Length <math>\geq 10</math> mm (20-30 mm preferred)</li> <li>• Diameter acceptable for proper sealing</li> </ul>
<b>Access</b>	Adequate femoral/iliac access compatible with the required introduction systems
<b>Introducer Diameters</b>	ID 20 Fr (6.9 mm) OD 7.8 mm
<b>Contraindications</b>	There are no known contraindications for these devices

## Iliac Bifurcation Grafts

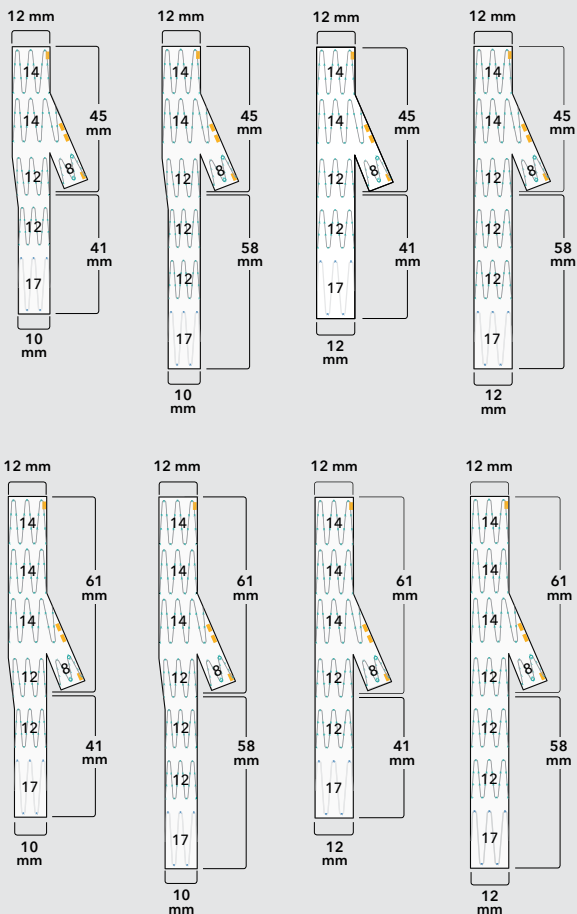
Order Number	Reference Part Number	Distal Body Diameter mm	Common Iliac Segment Length mm	External Iliac Segment Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>Iliac Bifurcation Grafts</b>					
G38612	ZBIS-10-45-41	10	45	41	20 (6.9)/7.8
G38614	ZBIS-10-61-41	10	61	41	20 (6.9)/7.8
G38613	ZBIS-10-45-58	10	45	58	20 (6.9)/7.8
G38615	ZBIS-10-61-58	10	61	58	20 (6.9)/7.8
G38616	ZBIS-12-45-41	12	45	41	20 (6.9)/7.8
G38618	ZBIS-12-61-41	12	61	41	20 (6.9)/7.8
G38617	ZBIS-12-45-58	12	45	58	20 (6.9)/7.8
G38344	ZBIS-12-61-58	12	61	58	20 (6.9)/7.8

## Introduction System for Iliac Bifurcation Grafts

20 Fr (6.9 mm) ID/7.8 mm OD



## Iliac Bifurcation Grafts



ZBIS-XX-YY-ZZ

ZBIS-(distal diameter)-(common iliac segment length)-(external iliac segment length)

Refer to [www.cookmedical.com/zenithbranch](http://www.cookmedical.com/zenithbranch) for more information.



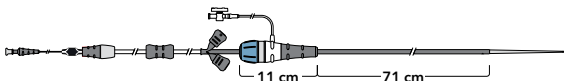
## Zenith Branch Iliac

### Zenith® Spiral-Z™ Iliac Legs

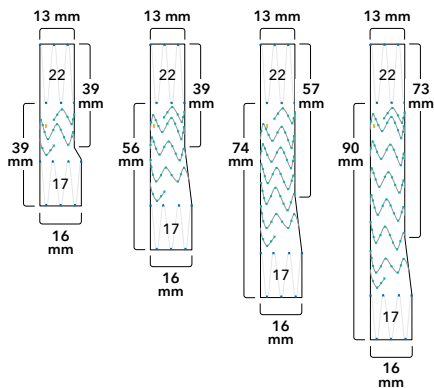
Order Number	Reference Part Number	Iliac Leg Distal Diameter mm	Iliac Leg Working Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>Iliac Legs</b>				
G55236	ZSLE-16-39-ZT	16	39	14 (4.7)/5.4
G55237	ZSLE-16-56-ZT	16	56	14 (4.7)/5.4
G55238	ZSLE-16-74-ZT	16	74	14 (4.7)/5.4
G55239	ZSLE-16-90-ZT	16	90	14 (4.7)/5.4

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

14 Fr (4.7 mm) ID/5.4 mm OD



## Zenith Spiral-Z Iliac Legs



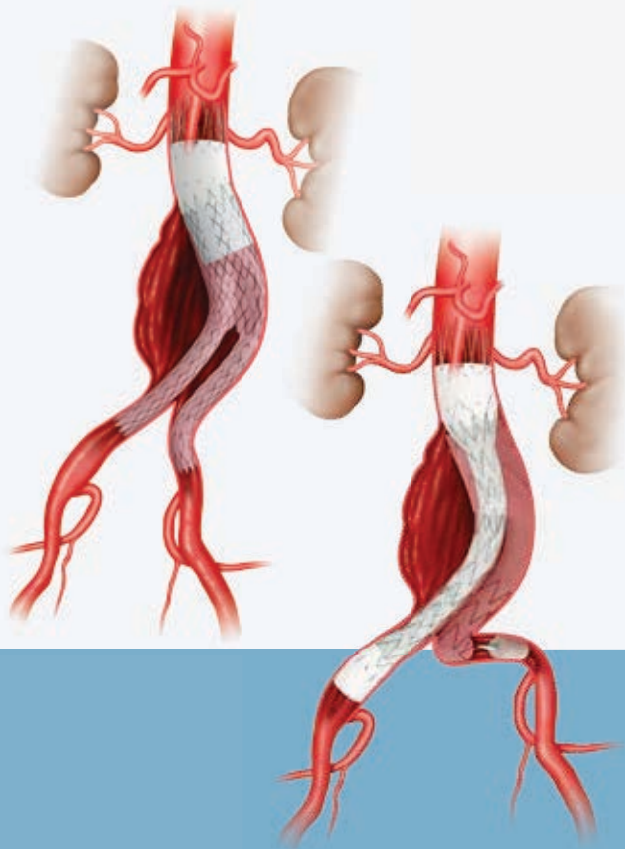
ZSLE-XX-YY-ZT

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



# Zenith Renu<sup>®</sup>

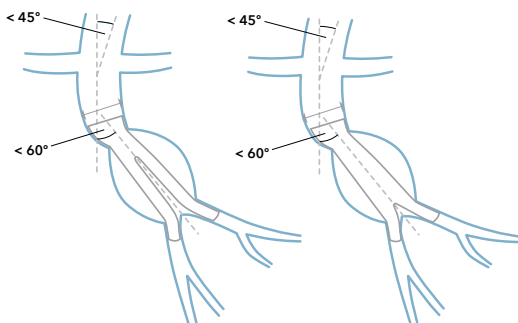
AAA ANCILLARY GRAFT



**Transcend: Precision**

Restore graft-to-vessel fixation and seal.

## 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: ID 18 Fr (6.0 mm) OD 7.1 mm	28-32 mm grafts: ID 20 Fr (6.7 mm) OD 7.7 mm	36 mm grafts: ID 22 Fr (7.3 mm) OD 8.5 mm
<b>Contraindications</b>	There are no known contraindications for these devices		

# Zenith Renu AAA Ancillary

## Converters (measurements in table continue on next page)

Order Number	Reference Part Number	Intended Aortic Vessel Diameter* mm	Proximal Diameter mm	Distal Diameter mm	Proximal Length mm
<b>22 mm Diameter</b>					
G55355	AX1-1-22-108-ZT	18-19	22	12	37
G55356	AX1-1-22-125-ZT	18-19	22	12	37
<b>24 mm Diameter</b>					
G55361	AX1-1-24-108-ZT	20-21	24	12	37
G55362	AX1-1-24-125-ZT	20-21	24	12	37
<b>26 mm Diameter</b>					
G55367	AX1-1-26-108-ZT	22	26	12	37
G55368	AX1-1-26-125-ZT	22	26	12	37
<b>28 mm Diameter</b>					
G55374	AX1-1-28-108-ZT	23-24	28	12	37
G55375	AX1-1-28-125-ZT	23-24	28	12	37
<b>30 mm Diameter</b>					
G55380	AX1-1-30-108-ZT	25-26	30	12	37
G55381	AX1-1-30-125-ZT	25-26	30	12	37
<b>32 mm Diameter</b>					
G55386	AX1-1-32-108-ZT	27-28	32	12	37
G55387	AX1-1-32-125-ZT	27-28	32	12	37
<b>36 mm Diameter</b>					
G55392	AX1-1-36-116-ZT	29-32	36	12	52

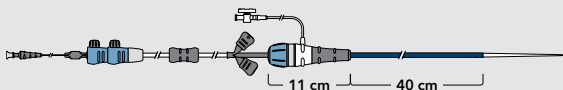
\*Maximum diameter along the proximal fixation site. Round measured aortic diameter to nearest mm. Additional considerations may affect choice of diameter.

## Z-Trak<sup>®</sup> Introduction System for 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



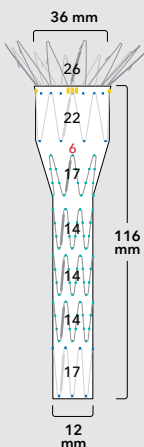
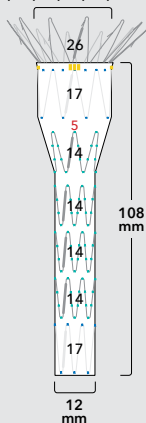
## Zenith Renu AAA Ancillary

### Converters (table continued from previous page)

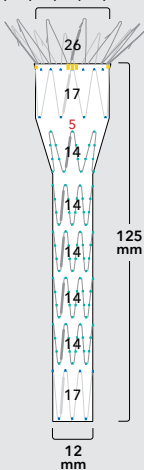
Distal Length mm	Total Length mm	Introducer Sheath ID/OD Fr (mm)/mm
71	108	18 (6.0)/7.1
88	125	18 (6.0)/7.1
71	108	18 (6.0)/7.1
88	125	18 (6.0)/7.1
71	108	18 (6.0)/7.1
88	125	18 (6.0)/7.1
71	108	20 (6.7)/7.7
88	125	20 (6.7)/7.7
71	108	20 (6.7)/7.7
88	125	20 (6.7)/7.7
71	108	20 (6.7)/7.7
88	125	20 (6.7)/7.7
64	116	22 (7.3)/8.5

## Converters

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



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



AX1-1-XX-YY-ZT

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

## Main Body Extensions

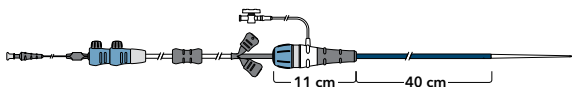
Order Number	Reference Part Number	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/7.1
<b>22 mm Diameter</b>				
G55397	RX1-22-43-ZT	22	43	18 (6.0)/7.1
G55398	RX1-22-62-ZT	22	62	18 (6.0)/7.1
<b>24 mm Diameter</b>				
G55400	RX1-24-43-ZT	24	43	18 (6.0)/7.1
G55401	RX1-24-62-ZT	24	62	18 (6.0)/7.1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

## Z-Trak® Introduction System for 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

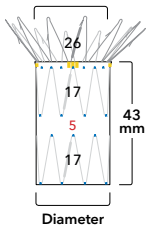
36 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD



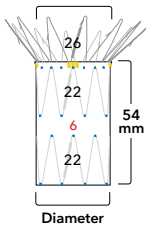


## Main Body Extensions

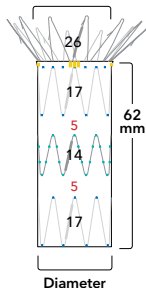
22, 24, 26, 28, 30, 32 mm



36 mm



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



RX1-XX-YY-ZT

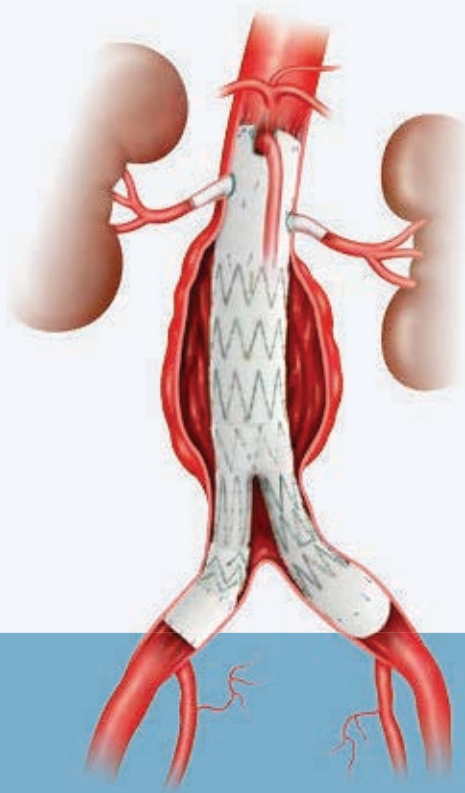
RX1-(diameter)-(length)-ZT





# Zenith® Fenestrated

AAA ENDOVASCULAR GRAFT

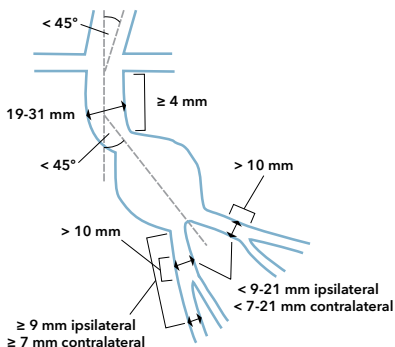


**ARC**  
TECHNOLOGY™

**Transcend: Precision**  
Experience patient-specific precision.

# Zenith Fenestrated AAA

## Indications for Use



Indications for Use	Infrarenal abdominal aortic aneurysms (AAAs) in high-risk patients who are not suitable for conventional open surgical repair or who are not suitable for repair with a standard Zenith Endovascular Graft, when the aneurysmal disease extends up to the level of the renal arteries.	
Length	$\geq 4$ mm nonaneurysmal neck	
Aortic Fixation Site Diameter	19-31 mm (measured outer wall to outer wall)	
Angulation/ Curvature	<ul style="list-style-type: none"> <li>• Angle <math>&lt; 45</math> degrees relative to the long axis of the aneurysm</li> <li>• Angle <math>&lt; 45</math> degrees relative to the axis of the suprarenal aorta</li> </ul>	
Ipsilateral Iliac Fixation Site	Distal fixation site $> 10$ mm in length and 9-21 mm in diameter (measured outer wall to outer wall)	
Contralateral Iliac Fixation Site	Distal fixation site $> 10$ mm in length and 7-21 mm in diameter (measured outer wall to outer wall)	
Access	Adequate femoral/iliac access compatible with the required introduction systems	
Introducer Diameters	ID 20 Fr (6.7 mm) OD 7.7 mm	ID 22 Fr (7.3 mm) OD 8.5 mm
Contraindications	There are no known contraindications for these devices	

## Proximal Body Grafts

Order Number	Reference Part Number	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>				
G38124	ZFEN-P-1-24-76	24	76	20 (6.7)/7.7
G38125	ZFEN-P-1-24-91	24	91	20 (6.7)/7.7
G38122	ZFEN-P-1-24-106	24	106	20 (6.7)/7.7
G38123	ZFEN-P-1-24-121	24	121	20 (6.7)/7.7
<b>26 mm Diameter</b>				
G38128	ZFEN-P-1-26-76	26	76	20 (6.7)/7.7
G38129	ZFEN-P-1-26-91	26	91	20 (6.7)/7.7
G38126	ZFEN-P-1-26-106	26	106	20 (6.7)/7.7
G38127	ZFEN-P-1-26-121	26	121	20 (6.7)/7.7
<b>28 mm Diameter</b>				
G38132	ZFEN-P-1-28-76	28	76	20 (6.7)/7.7
G38133	ZFEN-P-1-28-91	28	91	20 (6.7)/7.7
G38130	ZFEN-P-1-28-106	28	106	20 (6.7)/7.7
G38131	ZFEN-P-1-28-121	28	121	20 (6.7)/7.7
<b>30 mm Diameter</b>				
G38136	ZFEN-P-1-30-76	30	76	20 (6.7)/7.7
G38137	ZFEN-P-1-30-91	30	91	20 (6.7)/7.7
G38134	ZFEN-P-1-30-106	30	106	20 (6.7)/7.7
G38135	ZFEN-P-1-30-121	30	121	20 (6.7)/7.7
<b>32 mm Diameter</b>				
G38140	ZFEN-P-1-32-76	32	76	20 (6.7)/7.7
G38141	ZFEN-P-1-32-91	32	91	20 (6.7)/7.7
G38138	ZFEN-P-1-32-106	32	106	20 (6.7)/7.7
G38139	ZFEN-P-1-32-121	32	121	20 (6.7)/7.7
<b>34 mm Diameter</b>				
G38144	ZFEN-P-1-34-84	34	84	20 (6.7)/7.7
G38145	ZFEN-P-1-34-99	34	99	20 (6.7)/7.7
G38142	ZFEN-P-1-34-114	34	114	20 (6.7)/7.7
G38143	ZFEN-P-1-34-129	34	129	20 (6.7)/7.7
<b>36 mm Diameter</b>				
G38148	ZFEN-P-1-36-84	36	84	22 (7.3)/8.5
G38149	ZFEN-P-1-36-99	36	99	22 (7.3)/8.5
G38146	ZFEN-P-1-36-114	36	114	22 (7.3)/8.5
G38147	ZFEN-P-1-36-129	36	129	22 (7.3)/8.5

# Zenith Fenestrated AAA

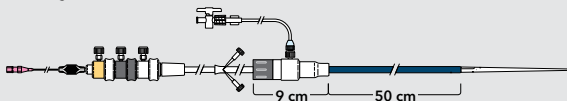
## Proximal Body Grafts (continued)

Order Number	Reference Part Number	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>				
G38152	ZFEN-P-2-24-94	24	94	20 (6.7)/7.7
G38150	ZFEN-P-2-24-109	24	109	20 (6.7)/7.7
G38151	ZFEN-P-2-24-124	24	124	20 (6.7)/7.7
<b>26 mm Diameter</b>				
G38155	ZFEN-P-2-26-94	26	94	20 (6.7)/7.7
G38153	ZFEN-P-2-26-109	26	109	20 (6.7)/7.7
G38154	ZFEN-P-2-26-124	26	124	20 (6.7)/7.7
<b>28 mm Diameter</b>				
G38158	ZFEN-P-2-28-94	28	94	20 (6.7)/7.7
G38156	ZFEN-P-2-28-109	28	109	20 (6.7)/7.7
G38157	ZFEN-P-2-28-124	28	124	20 (6.7)/7.7
<b>30 mm Diameter</b>				
G38161	ZFEN-P-2-30-94	30	94	20 (6.7)/7.7
G38159	ZFEN-P-2-30-109	30	109	20 (6.7)/7.7
G38160	ZFEN-P-2-30-124	30	124	20 (6.7)/7.7
<b>32 mm Diameter</b>				
G38164	ZFEN-P-2-32-94	32	94	20 (6.7)/7.7
G38162	ZFEN-P-2-32-109	32	109	20 (6.7)/7.7
G38163	ZFEN-P-2-32-124	32	124	20 (6.7)/7.7
<b>34 mm Diameter</b>				
G38165	ZFEN-P-2-34-107	34	107	20 (6.7)/7.7
G38166	ZFEN-P-2-34-122	34 </td <td>122</td> <td>20 (6.7)/7.7</td>	122	20 (6.7)/7.7
G38167	ZFEN-P-2-34-137	34	137	20 (6.7)/7.7
<b>36 mm Diameter</b>				
G38168	ZFEN-P-2-36-107	36	107	22 (7.3)/8.5
G38169	ZFEN-P-2-36-122	36	122	22 (7.3)/8.5
G38170	ZFEN-P-2-36-137	36	137	22 (7.3)/8.5

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

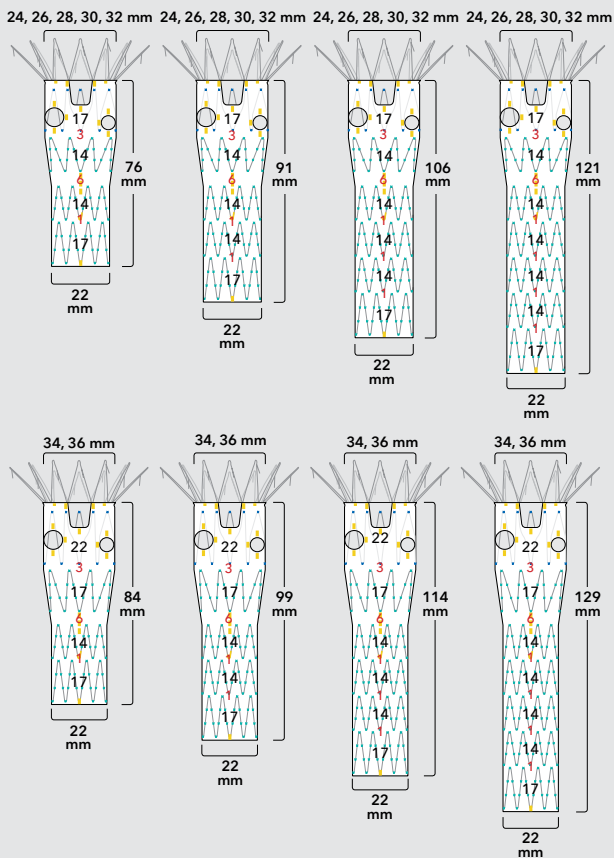
24-34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

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



## Proximal Body Grafts

One Proximal Internal Stent



ZFEN-P-1-XX-YY

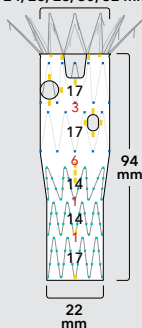
ZFEN-P-1-(proximal body diameter)-(proximal body length)

# Zenith Fenestrated AAA

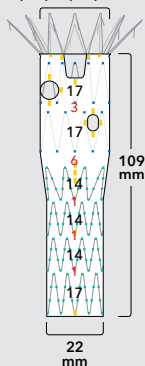
## Proximal Body Grafts (continued)

Two Proximal Internal Stent

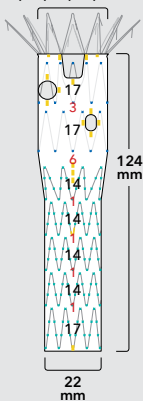
24, 26, 28, 30, 32 mm



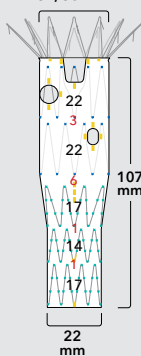
24, 26, 28, 30, 32 mm



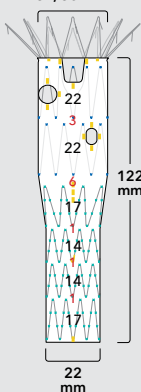
24, 26, 28, 30, 32 mm



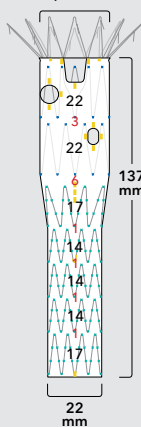
34, 36 mm



34, 36 mm



34, 36 mm



ZFEN-P-2-XX-YY

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



## Distal Bifurcated Body Grafts

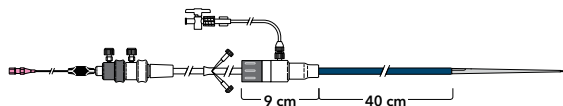
Order Number	Reference Part Number	Ipsilateral Leg Diameter mm	Distal Leg Length mm	Distal Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>Distal Bifurcated Body Graft</b>					
G38079	ZFEN-D-12-28-76	12	28	76	20 (6.7)/7.7
G38574	ZFEN-D-12-28-94	12	28	94	20 (6.7)/7.7
G38577	ZFEN-D-12-28-109	12	28	109	20 (6.7)/7.7
G38580	ZFEN-D-12-28-124	12	28	124	20 (6.7)/7.7
G38083	ZFEN-D-12-45-76	12	45	76	20 (6.7)/7.7
G38583	ZFEN-D-12-45-94	12	45	94	20 (6.7)/7.7
G38587	ZFEN-D-12-45-109	12	45	109	20 (6.7)/7.7
G38591	ZFEN-D-12-45-124	12	45	124	20 (6.7)/7.7
G38087	ZFEN-D-12-62-76	12	62	76	20 (6.7)/7.7
G38595	ZFEN-D-12-62-94	12	62	94	20 (6.7)/7.7
G38599	ZFEN-D-12-62-109	12	62	109	20 (6.7)/7.7
G38603	ZFEN-D-12-62-124	12	62	124	20 (6.7)/7.7
G38091	ZFEN-D-16-28-76	16	28	76	20 (6.7)/7.7
G38575	ZFEN-D-16-28-94	16	28	94	20 (6.7)/7.7
G38578	ZFEN-D-16-28-109	16	28	109	20 (6.7)/7.7
G38581	ZFEN-D-16-28-124	16	28	124	20 (6.7)/7.7
G38095	ZFEN-D-16-45-76	16	45	76	20 (6.7)/7.7
G38584	ZFEN-D-16-45-94	16	45	94	20 (6.7)/7.7
G38588	ZFEN-D-16-45-109	16	45	109	20 (6.7)/7.7
G38592	ZFEN-D-16-45-124	16	45	124	20 (6.7)/7.7
G38099	ZFEN-D-16-62-76	16	62	76	20 (6.7)/7.7
G38596	ZFEN-D-16-62-94	16	62	94	20 (6.7)/7.7
G38600	ZFEN-D-16-62-109	16	62	109	20 (6.7)/7.7
G38604	ZFEN-D-16-62-124	16	62	124	20 (6.7)/7.7
G38103	ZFEN-D-20-28-76	20	28	76	20 (6.7)/7.7
G38576	ZFEN-D-20-28-94	20	28	94	20 (6.7)/7.7
G38579	ZFEN-D-20-28-109	20	28	109	20 (6.7)/7.7
G38582	ZFEN-D-20-28-124	20	28	124	20 (6.7)/7.7
G38107	ZFEN-D-20-45-76	20	45	76	20 (6.7)/7.7
G38585	ZFEN-D-20-45-94	20	45	94	20 (6.7)/7.7
G38589	ZFEN-D-20-45-109	20	45	109	20 (6.7)/7.7
G38593	ZFEN-D-20-45-124	20	45	124	20 (6.7)/7.7

## Distal Bifurcated Body Grafts (continued)

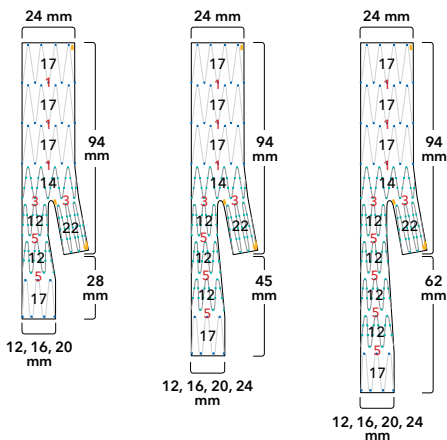
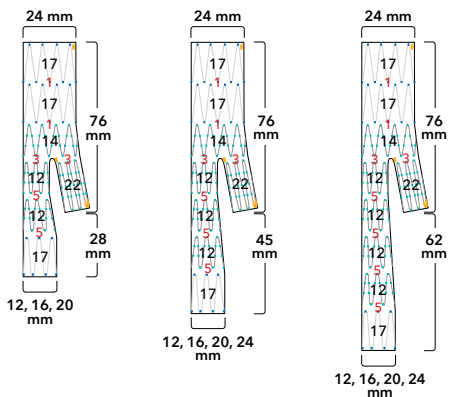
Order Number	Reference Part Number	Ipsilateral Leg Diameter mm	Distal Leg Length mm	Distal Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
G38111	ZFEN-D-20-62-76	20	62	76	20 (6.7)/7.7
G38597	ZFEN-D-20-62-94	20	62	94	20 (6.7)/7.7
G38601	ZFEN-D-20-62-109	20	62	109	20 (6.7)/7.7
G38605	ZFEN-D-20-62-124	20	62	124	20 (6.7)/7.7
G38115	ZFEN-D-24-45-76	24	45	76	20 (6.7)/7.7
G38586	ZFEN-D-24-45-94	24	45	94	20 (6.7)/7.7
G38590	ZFEN-D-24-45-109	24	45	109	20 (6.7)/7.7
G38594	ZFEN-D-24-45-124	24	45	124	20 (6.7)/7.7
G38119	ZFEN-D-24-62-76	24	62	76	20 (6.7)/7.7
G38598	ZFEN-D-24-62-94	24	62	94	20 (6.7)/7.7
G38602	ZFEN-D-24-62-109	24	62	109	20 (6.7)/7.7
G38606	ZFEN-D-24-62-124	24	62	124	20 (6.7)/7.7

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

20 Fr (6.7 mm) ID/7.7 mm OD



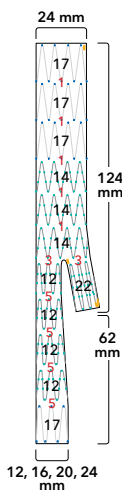
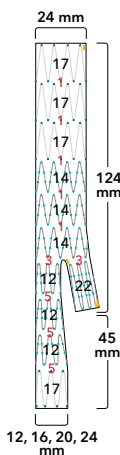
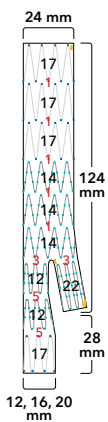
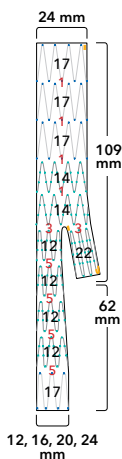
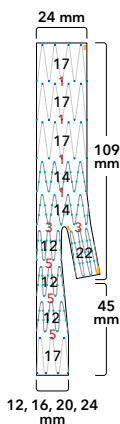
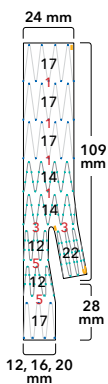
## Distal Bifurcated Body Grafts



ZFEN-D-XX-YY-ZZ

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

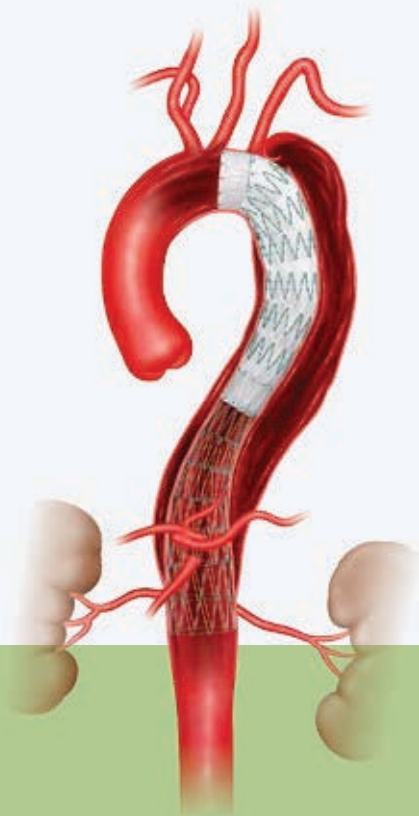
## Distal Bifurcated Body Grafts (continued)





# Zenith<sup>®</sup> Dissection

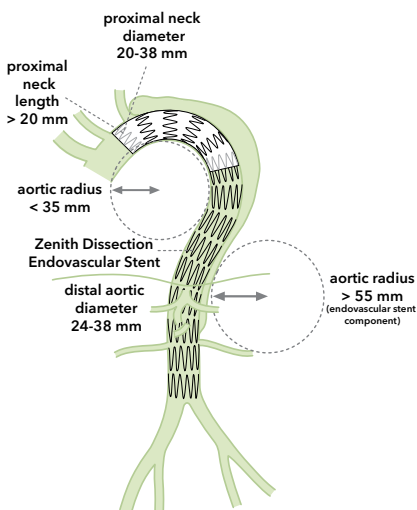
ENDOVASCULAR SYSTEM



## Transcend: Control

Expect disease-specific solutions for type B dissections.

## Indications for Use



<b>Indications for Use</b>	Patients with aortic dissection distal to the left subclavian artery having vascular morphology suitable for endovascular repair.		
<b>Length</b>	Dissection stent lengths 82, 123, 164 mm used in combination with the sealing stent graft TX2 Proximal Component can potentially allow treatment of the entire descending thoracic aorta and the abdominal aorta.		
<b>Aortic Fixation Site Diameter</b>	Dissection Grafts: 20-38 mm (measured outer wall to outer wall) Dissection Stents: 24-38 mm (measured outer wall to outer wall)		
<b>Angulation/ Curvature</b>	<ul style="list-style-type: none"> <li>• Radius of curvature &gt; 55 mm along the length of aorta intended to be treated</li> <li>• Localized angulation &lt; 35 degrees</li> </ul>		
<b>Access</b>	Adequate femoral/iliac access compatible with the required introduction systems		
<b>Introducer Diameters</b>	20-34 mm Grafts: ID 20 Fr (6.7 mm) OD 7.7 mm	36-42 mm Grafts: ID 22 Fr (7.3 mm) OD 8.5 mm	36-46 mm Stents: ID 16 Fr (5.3 mm) OD 6.5 mm
<b>Contraindications</b>	<ul style="list-style-type: none"> <li>• Patients with known sensitivities or allergies to stainless steel, polyester, solder (tin, silver), polypropylene or gold</li> <li>• Patients with a systemic infection who may be at increased risk of endovascular stent infection</li> </ul>		

## Zenith® TX2® Dissection Endovascular Graft with Pro-Form® Straight Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/7.7
<b>22 mm Diameter</b>						
G24249	ZDEG-P-22-79-PF	P	20	22	79	20 (6.7)/7.7
G24250	ZDEG-P-22-117-PF	P	20	22	117	20 (6.7)/7.7
<b>24 mm Diameter</b>						
G24251	ZDEG-P-24-79-PF	P	21	24	79	20 (6.7)/7.7
G24253	ZDEG-P-24-117-PF	P	21	24	117	20 (6.7)/7.7
<b>26 mm Diameter</b>						
G24255	ZDEG-P-26-79-PF	P	22	26	79	20 (6.7)/7.7
G24257	ZDEG-P-26-136-PF	P	22	26	136	20 (6.7)/7.7
<b>28 mm Diameter</b>						
G24260	ZDEG-P-28-82-PF	P	24	28	82	20 (6.7)/7.7
G24262	ZDEG-P-28-142-PF	P	24	28	142	20 (6.7)/7.7
G24265	ZDEG-P-28-202-PF	P	24	28	202	20 (6.7)/7.7
<b>30 mm Diameter</b>						
G24267	ZDEG-P-30-82-PF	P	25-27	30	82	20 (6.7)/7.7
G24269	ZDEG-P-30-142-PF	P	25-27	30	142	20 (6.7)/7.7
G24271	ZDEG-P-30-202-PF	P	25-27	30	202	20 (6.7)/7.7
<b>32 mm Diameter</b>						
G24272	ZDEG-P-32-82-PF	P	28-29	32	82	20 (6.7)/7.7
G24275	ZDEG-P-32-142-PF	P	28-29	32	142	20 (6.7)/7.7
G24276	ZDEG-P-32-202-PF	P	28-29	32	202	20 (6.7)/7.7
<b>34 mm Diameter</b>						
G24277	ZDEG-P-34-79-PF	P	30	34	79	20 (6.7)/7.7
G24278	ZDEG-P-34-154-PF	P	30	34	154	20 (6.7)/7.7
G24279	ZDEG-P-34-204-PF	P	30	34	204	20 (6.7)/7.7

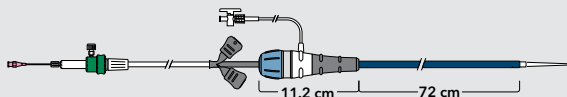
## Zenith TX2 Dissection Endovascular Graft with Pro-Form Straight Components (continued)

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>36 mm Diameter</b>						
G24282	ZDEG-P-36-79-PF	P	31-32	36	79	22 (7.3)/8.5
G24283	ZDEG-P-36-154-PF	P	31-32	36	154	22 (7.3)/8.5
G24284	ZDEG-P-36-204-PF	P	31-32	36	204	22 (7.3)/8.5
<b>38 mm Diameter</b>						
G24285	ZDEG-P-38-79-PF	P	33-34	38	79	22 (7.3)/8.5
G24286	ZDEG-P-38-154-PF	P	33-34	38	154	22 (7.3)/8.5
G24287	ZDEG-P-38-204-PF	P	33-34	38	204	22 (7.3)/8.5
<b>40 mm Diameter</b>						
G24288	ZDEG-P-40-83-PF	P	35-36	40	83	22 (7.3)/8.5
G24289	ZDEG-P-40-164-PF	P	35-36	40	164	22 (7.3)/8.5
G24290	ZDEG-P-40-218-PF	P	35-36	40	218	22 (7.3)/8.5
<b>42 mm Diameter</b>						
G24291	ZDEG-P-42-83-PF	P	37-38	42	83	22 (7.3)/8.5
G24252	ZDEG-P-42-164-PF	P	37-38	42	164	22 (7.3)/8.5
G24292	ZDEG-P-42-218-PF	P	37-38	42	218	22 (7.3)/8.5

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

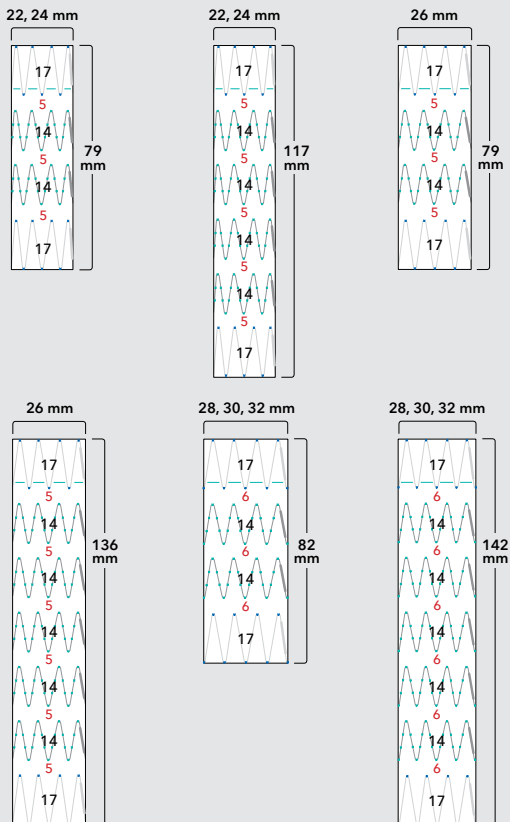
22-34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

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





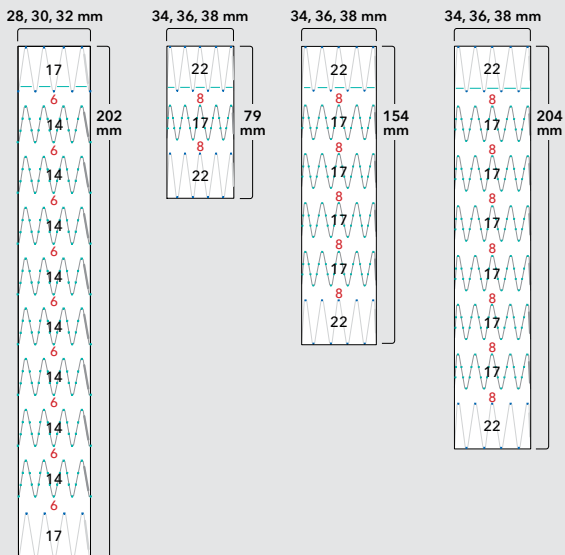
## Zenith TX2 Dissection Endovascular Graft with Pro-Form Straight Components



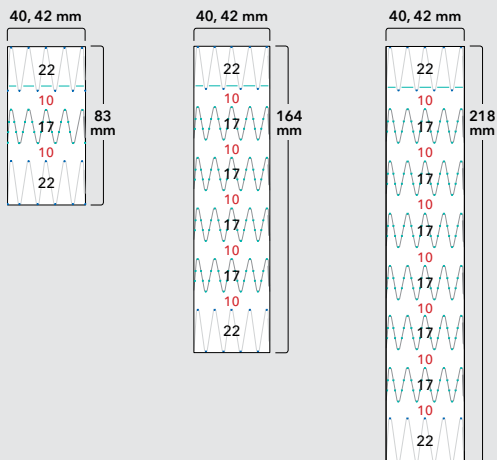
ZDEG-P-XX-YY-PF

ZDEG-P-(diameter)-(length)-PF

## Zenith TX2 Dissection Endovascular Graft with Pro-Form Straight Components (continued)



## Zenith TX2 Dissection Endovascular Graft with Pro-Form Straight Components (continued)



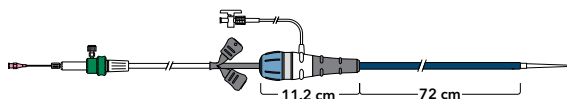
## Zenith® TX2® Dissection Endovascular Graft with Pro-Form® Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr(mm)/mm
<b>32 mm Diameter</b>							
G24254	ZDEG-PT-32-162-PF	PT	28-29	32	28	162	20(6.7)/7.7
G24256	ZDEG-PT-32-202-PF	PT	28-29	32	28	202	20(6.7)/7.7
<b>34 mm Diameter</b>							
G24258	ZDEG-PT-34-159-PF	PT	30	34	30	159	20(6.7)/7.7
G24259	ZDEG-PT-34-199-PF	PT	30	34	30	199	20(6.7)/7.7
<b>36 mm Diameter</b>							
G24261	ZDEG-PT-36-159-PF	PT	31-32	36	32	159	22(7.3)/8.5
G24263	ZDEG-PT-36-199-PF	PT	31-32	36	32	199	22(7.3)/8.5
<b>38 mm Diameter</b>							
G24264	ZDEG-PT-38-154-PF	PT	33-34	38	34	154	22(7.3)/8.5
G24266	ZDEG-PT-38-204-PF	PT	33-34	38	34	204	22(7.3)/8.5
<b>40 mm Diameter</b>							
G24268	ZDEG-PT-40-160-PF	PT	35-36	40	36	160	22(7.3)/8.5
G24270	ZDEG-PT-40-210-PF	PT	35-36	40	36	210	22(7.3)/8.5
<b>42 mm Diameter</b>							
G24273	ZDEG-PT-42-160-PF	PT	37-38	42	38	160	22(7.3)/8.5
G24274	ZDEG-PT-42-210-PF	PT	37-38	42	38	210	22(7.3)/8.5

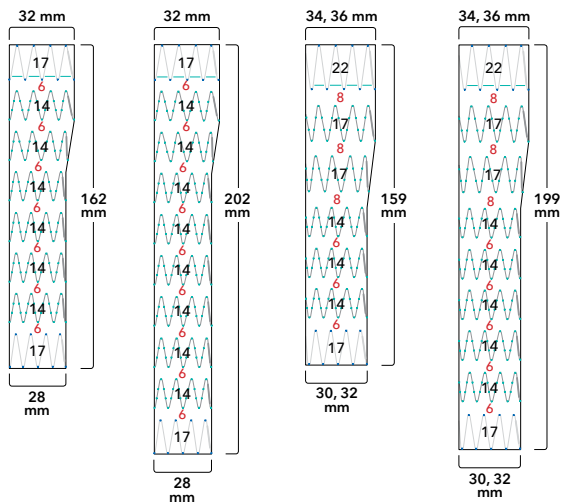
## Z-Trak Plus® Introduction System for Tapered Components

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



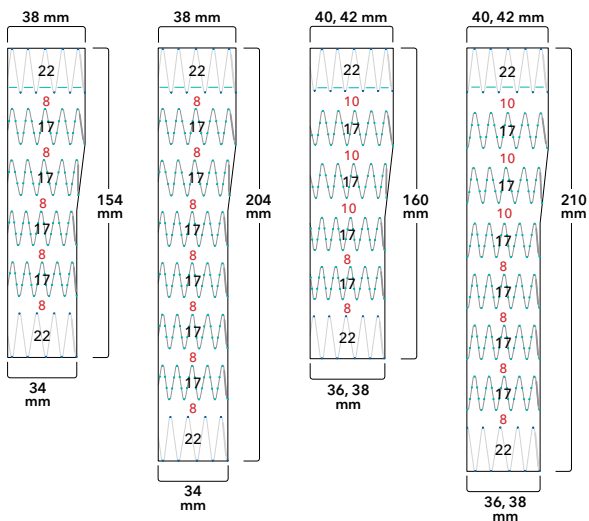
## Zenith TX2 Dissection Endovascular Graft with Pro-Form Tapered Components



ZDEG-PT-XX-YY-PF

ZDEG-PT-(proximal diameter)-(length)-PF

## Zenith TX2 Dissection Endovascular Graft with Pro-Form Tapered Components (continued)



## Zenith Dissection

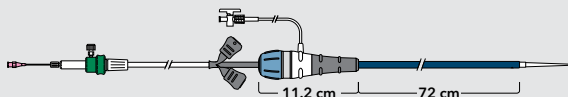
### Zenith® TX2® Dissection Endovascular Graft with Pro-Form® Double Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr(mm)/mm
<b>32 mm Diameter</b>							
G23172	ZDEG-PT-32-24-158-PF	PT	28-29	32	24	158	20 (6.7)/7.7
G23173	ZDEG-PT-32-24-196-PF	PT	28-29	32	24	196	20 (6.7)/7.7
<b>34 mm Diameter</b>							
G23174	ZDEG-PT-34-26-156-PF	PT	30	34	26	156	20 (6.7)/7.7
G23175	ZDEG-PT-34-26-194-PF	PT	30	34	26	194	20 (6.7)/7.7
<b>36 mm Diameter</b>							
G23176	ZDEG-PT-36-28-159-PF	PT	31-32	36	28	159	22 (7.3)/8.5
G23177	ZDEG-PT-36-28-199-PF	PT	31-32	36	28	199	22 (7.3)/8.5
<b>38 mm Diameter</b>							
G23178	ZDEG-PT-38-30-159-PF	PT	33-34	38	30	159	22 (7.3)/8.5
G23179	ZDEG-PT-38-30-199-PF	PT	33-34	38	30	199	22 (7.3)/8.5
<b>40 mm Diameter</b>							
G23180	ZDEG-PT-40-32-165-PF	PT	35-36	40	32	165	22 (7.3)/8.5
G23181	ZDEG-PT-40-32-205-PF	PT	35-36	40	32	205	22 (7.3)/8.5
<b>42 mm Diameter</b>							
G23182	ZDEG-PT-42-34-160-PF	PT	37-38	42	34	160	22 (7.3)/8.5
G23183	ZDEG-PT-42-34-210-PF	PT	37-38	42	34	210	22 (7.3)/8.5

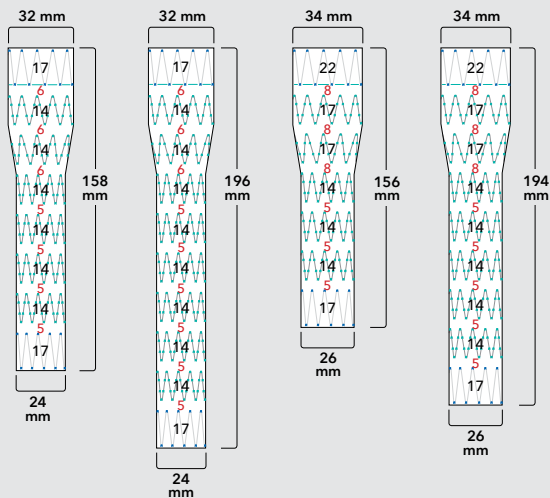
### Z-Trak Plus® Introduction System Tapered Component

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



## Zenith TX2 Dissection Endovascular Graft with Pro-Form Double Tapered Components



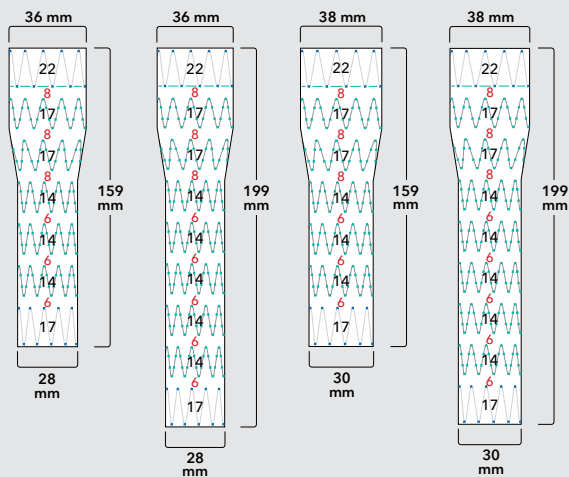
ZDEG-PT-XX-YY-PF

ZDEG-PT-(proximal diameter)-(distal diameter)-(length)-PF



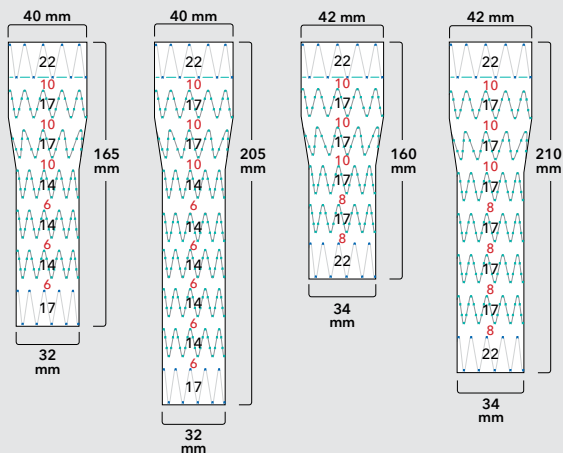
### Zenith TX2 Dissection Endovascular Graft with Pro-Form Double Tapered Components

(continued)



## Zenith TX2 Dissection Endovascular Graft with Pro-Form Double Tapered Components

(continued)

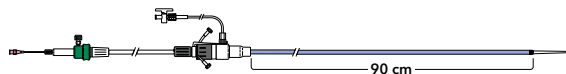


## Zenith® Dissection Endovascular Stents

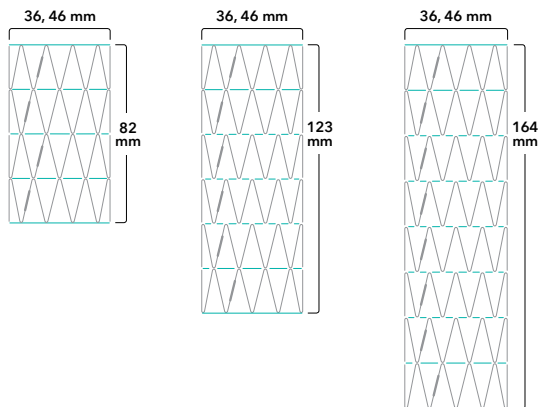
Order Number	Reference Part Number	Diameter mm	Length mm	Stents	Introducer Sheath ID/OD Fr(mm)/mm
<b>36 mm Diameter</b>					
G23615	GZSD-36-82-2	36	82	4	16 (5.3)/6.5
G23616	GZSD-36-123-2	36	123	6	16 (5.3)/6.5
G23617	GZSD-36-164-2	36	164	8	16 (5.3)/6.5
<b>46 mm Diameter</b>					
G23618	GZSD-46-82-2	46	82	4	16 (5.3)/6.5
G23619	GZSD-46-123-2	46	123	6	16 (5.3)/6.5
G23620	GZSD-46-164-2	46	164	8	16 (5.3)/6.5

## Introduction System Dissection Stents

16 Fr (5.3 mm) ID/6.5 mm OD



## Zenith Dissection Endovascular Stents



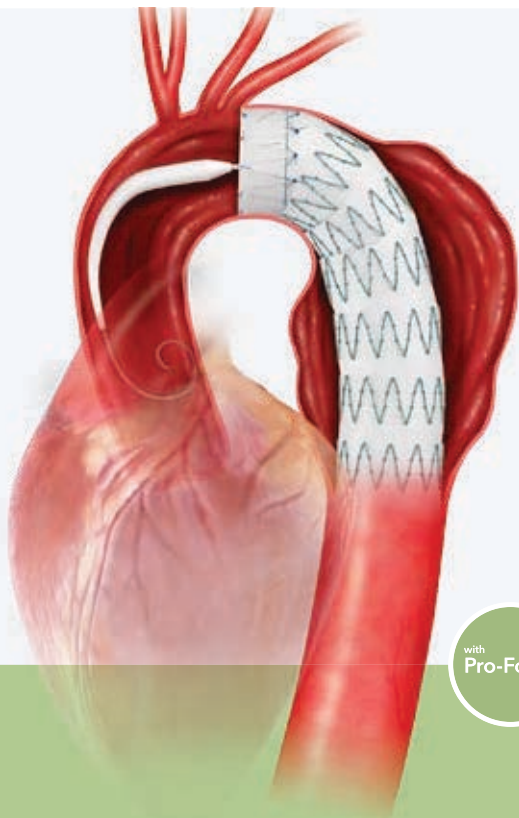
GZSD-XX-YY-2

GZSD-(diameter)-(length)-2

**COOK**  
MEDICAL

# Zenith<sup>®</sup> TX2<sup>®</sup>

TAA ENDOVASCULAR GRAFT

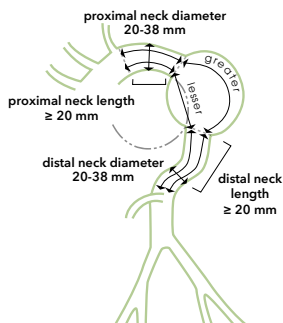


with  
Pro-Form<sup>®</sup>

## Transcend: Control

Expect control of your endovascular procedures  
for better outcomes.

## Indications for Use



Indications for Use	<p>The Zenith TX2 TAA Endovascular Graft with Pro-Form with the Z-Trak Plus® Introduction System is intended for treatment of patients with atherosclerotic aneurysms, symptomatic acute or chronic dissections, contained ruptures, growing aneurysms and/or resulting in distal ischemia, in 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>• Radius of curvature greater than 35 mm along the entire length of aorta intended to be treated,</li> <li>• Nonaneurysmal aortic segments (fixation sites) proximal and distal to the aneurysm:             <ul style="list-style-type: none"> <li>• with a length of at least 20 mm</li> <li>• with a diameter measured outer wall to outer wall of no greater than 38 mm and no less than 20 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 $\geq 20$ mm		
Aortic Fixation Site Diameter	20-38 mm (measured outer wall to outer wall)		
Angulation/ Curvature	<ul style="list-style-type: none"> <li>• A radius of curvature <math>&gt; 35</math> mm for aortic arch landing zones</li> <li>• An angle <math>&lt; 45</math> degrees (any angle in the arch or distal aorta)</li> </ul>		
Access	Adequate iliac/femoral access compatible with the required introduction systems		
Introducer Diameters	<table border="1"> <tr> <td data-bbox="288 1334 467 1400">22-34 mm grafts: ID 20 Fr (6.7 mm) OD 7.7 mm</td> <td data-bbox="467 1334 638 1400">36-42 mm grafts: ID 22 Fr (7.3 mm) OD 8.5 mm</td> </tr> </table>	22-34 mm grafts: ID 20 Fr (6.7 mm) OD 7.7 mm	36-42 mm grafts: ID 22 Fr (7.3 mm) OD 8.5 mm
22-34 mm grafts: ID 20 Fr (6.7 mm) OD 7.7 mm	36-42 mm grafts: ID 22 Fr (7.3 mm) 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	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath OD Fr (mm)/mm
<b>22 mm Diameter</b>						
G52657	ZTEG-2P-22-115-PF	2P	20	22	115	20 (6.7)/7.7
<b>24 mm Diameter</b>						
G52662	ZTEG-2P-24-115-PF	2P	21	24	115	20 (6.7)/7.7
<b>26 mm Diameter</b>						
G52664	ZTEG-2P-26-134-PF	2P	22	26	134	20 (6.7)/7.7
<b>28 mm Diameter</b>						
G52667	ZTEG-2P-28-120-PF	2P	24	28	120	20 (6.7)/7.7
G52670	ZTEG-2P-28-140-PF	2P	24	28	140	20 (6.7)/7.7
G52676	ZTEG-2P-28-200-PF	2P	24	28	200	20 (6.7)/7.7
<b>30 mm Diameter</b>						
G52678	ZTEG-2P-30-120-PF	2P	25-27	30	120	20 (6.7)/7.7
G52682	ZTEG-2P-30-140-PF	2P	25-27	30	140	20 (6.7)/7.7
G52683	ZTEG-2P-30-200-PF	2P	25-27	30	200	20 (6.7)/7.7
<b>32 mm Diameter</b>						
G52684	ZTEG-2P-32-120-PF	2P	28-29	32	120	20 (6.7)/7.7
G52685	ZTEG-2P-32-140-PF	2P	28-29	32	140	20 (6.7)/7.7
G52686	ZTEG-2P-32-200-PF	2P	28-29	32	200	20 (6.7)/7.7
<b>34 mm Diameter</b>						
G52687	ZTEG-2P-34-127-PF	2P	30	34	127	20 (6.7)/7.7
G52688	ZTEG-2P-34-152-PF	2P	30	34	152	20 (6.7)/7.7
G52689	ZTEG-2P-34-202-PF	2P	30	34	202	20 (6.7)/7.7
<b>36 mm Diameter</b>						
G52690	ZTEG-2P-36-127-PF	2P	31-32	36	127	22 (7.3)/8.5
G52691	ZTEG-2P-36-152-PF	2P	31-32	36	152	22 (7.3)/8.5
G52692	ZTEG-2P-36-202-PF	2P	31-32	36	202	22 (7.3)/8.5
<b>38 mm Diameter</b>						
G52693	ZTEG-2P-38-127-PF	2P	33-34	38	127	22 (7.3)/8.5
G52694	ZTEG-2P-38-152-PF	2P	33-34	38	152	22 (7.3)/8.5
G52695	ZTEG-2P-38-202-PF	2P	33-34	38	202	22 (7.3)/8.5

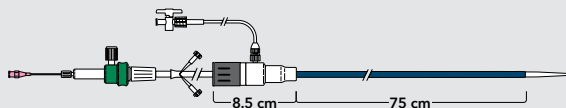
## Proximal Components (continued)

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>40 mm Diameter</b>						
G52697	ZTEG-2P-40-135-PF	2P	35-36	40	135	22 (7.3)/8.5
G52698	ZTEG-2P-40-162-PF	2P	35-36	40	162	22 (7.3)/8.5
G52699	ZTEG-2P-40-216-PF	2P	35-36	40	216	22 (7.3)/8.5
<b>42 mm Diameter</b>						
G52701	ZTEG-2P-42-135-PF	2P	37-38	42	135	22 (7.3)/8.5
G52702	ZTEG-2P-42-162-PF	2P	37-38	42	162	22 (7.3)/8.5
G52703	ZTEG-2P-42-216-PF	2P	37-38	42	216	22 (7.3)/8.5

## 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



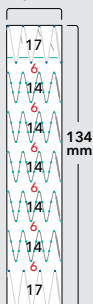


## Proximal Components

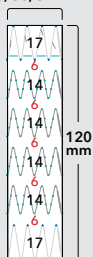
22, 24 mm



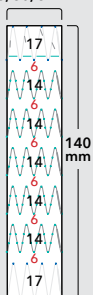
26 mm



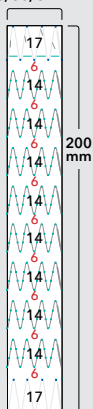
28, 30, 32 mm



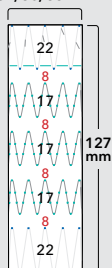
28, 30, 32 mm



28, 30, 32 mm



34, 36, 38 mm

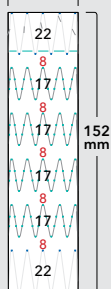


ZTEG-2P-XX-YY-PF

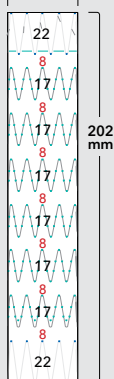
ZTEG-2P-(diameter)-(length)-PF

## Proximal Components (continued)

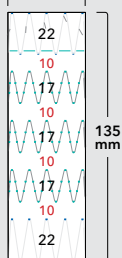
34, 36, 38 mm



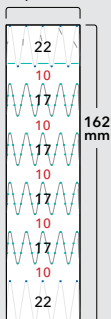
34, 36, 38 mm



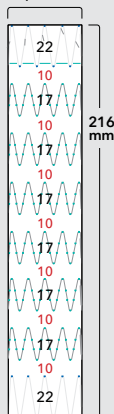
40, 42 mm



40, 42 mm



40, 42 mm



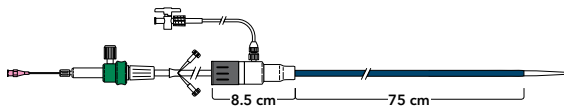
## Proximal Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>32 mm Diameter</b>						
G52704	ZTEG-2PT-32-160-PF	2PT	28-29	32	160	20 (6.7)/7.7
G52705	ZTEG-2PT-32-200-PF	2PT	28-29	32	200	20 (6.7)/7.7
<b>34 mm Diameter</b>						
G52706	ZTEG-2PT-34-157-PF	2PT	30	34	157	20 (6.7)/7.7
G52707	ZTEG-2PT-34-197-PF	2PT	30	34	197	20 (6.7)/7.7
<b>36 mm Diameter</b>						
G52708	ZTEG-2PT-36-157-PF	2PT	31-32	36	157	22 (7.3)/8.5
G52709	ZTEG-2PT-36-197-PF	2PT	31-32	36	197	22 (7.3)/8.5
<b>38 mm Diameter</b>						
G52711	ZTEG-2PT-38-152-PF	2PT	33-34	38	152	22 (7.3)/8.5
G52713	ZTEG-2PT-38-202-PF	2PT	33-34	38	202	22 (7.3)/8.5
<b>40 mm Diameter</b>						
G52715	ZTEG-2PT-40-158-PF	2PT	35-36	40	158	22 (7.3)/8.5
G52717	ZTEG-2PT-40-208-PF	2PT	35-36	40	208	22 (7.3)/8.5
<b>42 mm Diameter</b>						
G52718	ZTEG-2PT-42-158-PF	2PT	37-38	42	158	22 (7.3)/8.5
G52719	ZTEG-2PT-42-208-PF	2PT	37-38	42	208	22 (7.3)/8.5

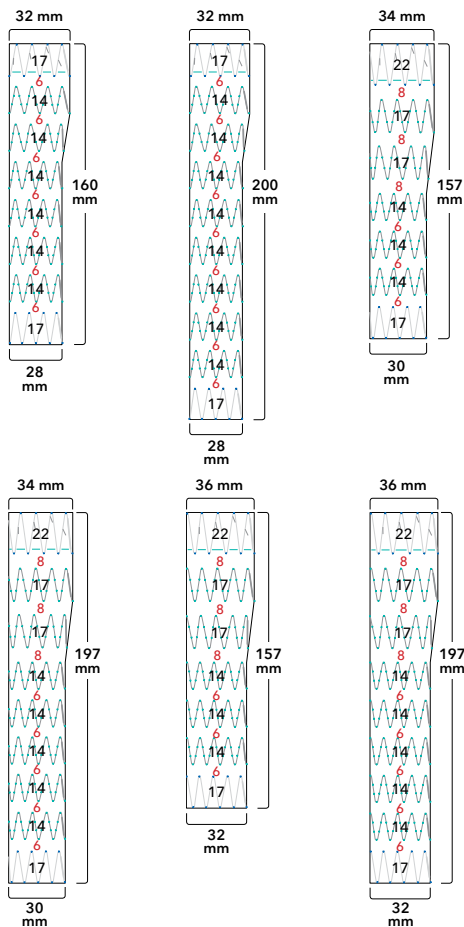
## Z-Trak Plus® Introduction System for Proximal Tapered Components

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



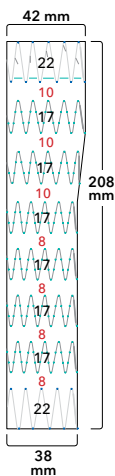
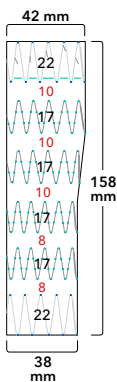
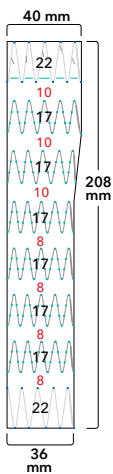
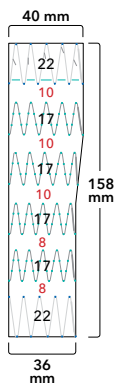
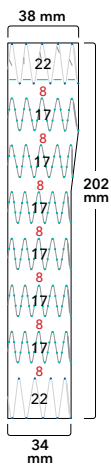
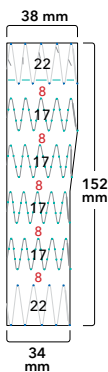
## Proximal Tapered Components



ZTEG-2PT-XX-YY-PF

ZTEG-(proximal diameter)-(length)-PF

## Proximal Tapered Components (continued)



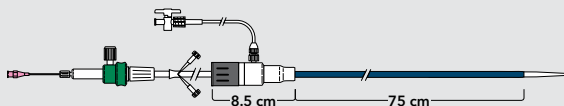
## Proximal Double Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>32 mm Diameter</b>							
G23603	ZTEG-2PT-32-22-162-PF	2PT	28-29	32	22	162	20 (6.7)/7.7
G23604	ZTEG-2PT-32-22-202-PF	2PT	28-29	32	22	202	20 (6.7)/7.7
<b>34 mm Diameter</b>							
G23605	ZTEG-2PT-34-24-159-PF	2PT	30	34	24	159	20 (6.7)/7.7
G23606	ZTEG-2PT-34-24-199-PF	2PT	30	34	24	199	20 (6.7)/7.7
<b>36 mm Diameter</b>							
G23607	ZTEG-2PT-36-26-159-PF	2PT	31-32	36	26	159	22 (7.3)/8.5
G23608	ZTEG-2PT-36-26-199-PF	2PT	31-32	36	26	199	22 (7.3)/8.5
<b>38 mm Diameter</b>							
G23609	ZTEG-2PT-38-28-159-PF	2PT	33-34	38	28	159	22 (7.3)/8.5
G23610	ZTEG-2PT-38-28-199-PF	2PT	33-34	38	28	199	22 (7.3)/8.5
<b>40 mm Diameter</b>							
G23611	ZTEG-2PT-40-30-165-PF	2PT	35-36	40	30	165	22 (7.3)/8.5
G23612	ZTEG-2PT-40-30-205-PF	2PT	35-36	40	30	205	22 (7.3)/8.5
<b>42 mm Diameter</b>							
G23613	ZTEG-2PT-42-32-165-PF	2PT	37-38	42	32	165	22 (7.3)/8.5
G23614	ZTEG-2PT-42-32-205-PF	2PT	37-38	42	32	205	22 (7.3)/8.5

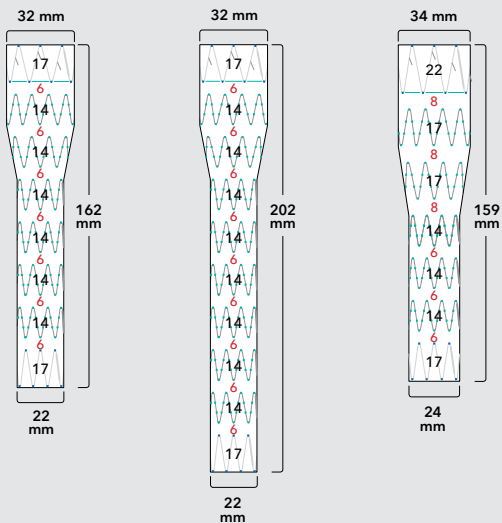
## Z-Trak Plus® Introduction System for Proximal Tapered Components

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



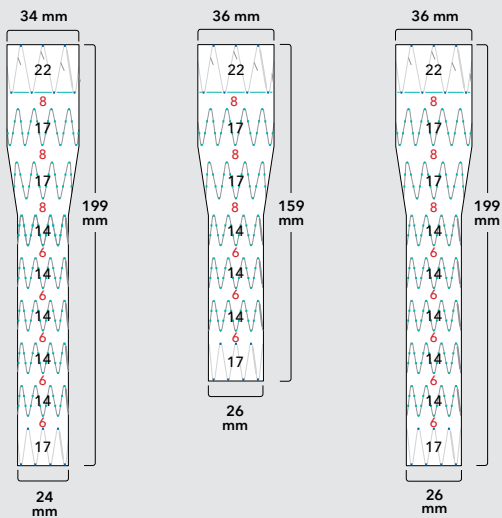
## Proximal Double Tapered Components



ZTEG-2PT-XX-YY-PF

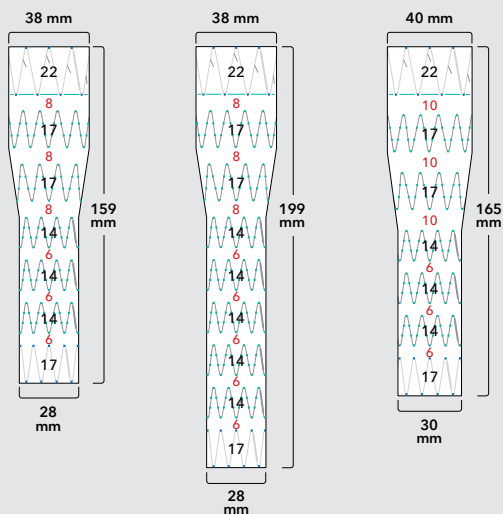
ZTEG-2PT-(proximal diameter)-(distal diameter)-(length)-PF

**Proximal Double Tapered Components** (continued)

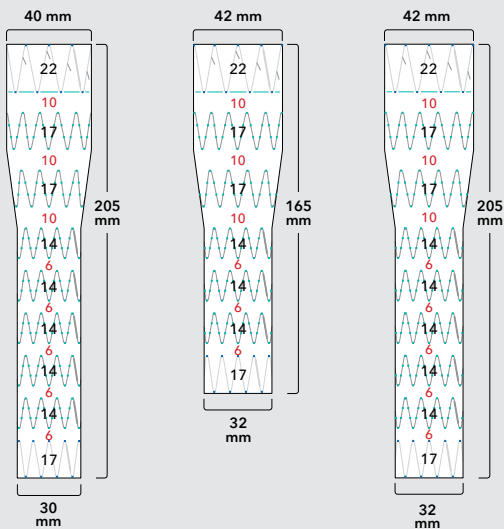




## Proximal Double Tapered Components (continued)



## Proximal Double Tapered Components (continued)



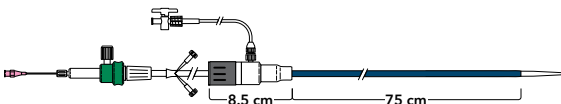
## Proximal Reverse Double Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>32 mm Diameter</b>							
G23591	ZTEG-2PT-26-32-162-PF	2PT	28-29	26	32	162	20 (6.7)/7.7
G23592	ZTEG-2PT-26-32-202-PF	2PT	28-29	26	32	202	20 (6.7)/7.7
<b>34 mm Diameter</b>							
G23593	ZTEG-2PT-28-34-167-PF	2PT	30	28	34	167	20 (6.7)/7.7
G23594	ZTEG-2PT-28-34-192-PF	2PT	30	28	34	192	20 (6.7)/7.7
<b>36 mm Diameter</b>							
G23595	ZTEG-2PT-30-36-167-PF	2PT	31-32	30	36	167	22 (7.3)/8.5
G23596	ZTEG-2PT-30-36-192-PF	2PT	31-32	30	36	192	22 (7.3)/8.5
<b>38 mm Diameter</b>							
G23597	ZTEG-2PT-32-38-167-PF	2PT	33-34	32	38	167	22 (7.3)/8.5
G23598	ZTEG-2PT-32-38-192-PF	2PT	33-34	32	38	192	22 (7.3)/8.5
<b>40 mm Diameter</b>							
G23599	ZTEG-2PT-34-40-160-PF	2PT	35-36	34	40	160	22 (7.3)/8.5
G23600	ZTEG-2PT-34-40-214-PF	2PT	35-36	34	40	214	22 (7.3)/8.5
<b>42 mm Diameter</b>							
G23601	ZTEG-2PT-36-42-160-PF	2PT	37-38	36	42	160	22 (7.3)/8.5
G23602	ZTEG-2PT-36-42-214-PF	2PT	37-38	36	42	214	22 (7.3)/8.5

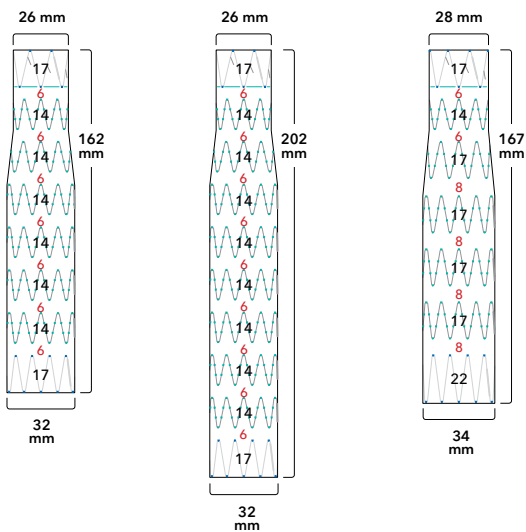
## Z-Trak Plus® Introduction System for Proximal Reverse Double Tapered Components

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



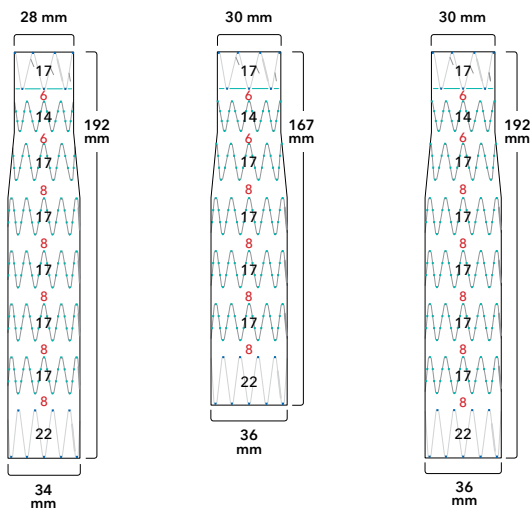
## Proximal Reverse Double Tapered Components



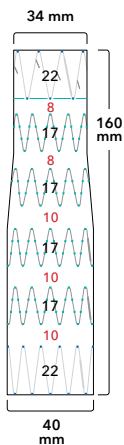
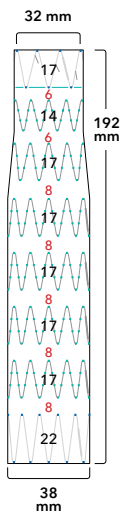
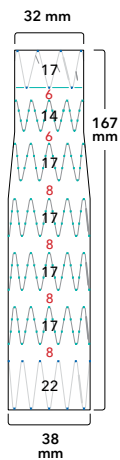
ZTEG-2PT-XX-YY-PF

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

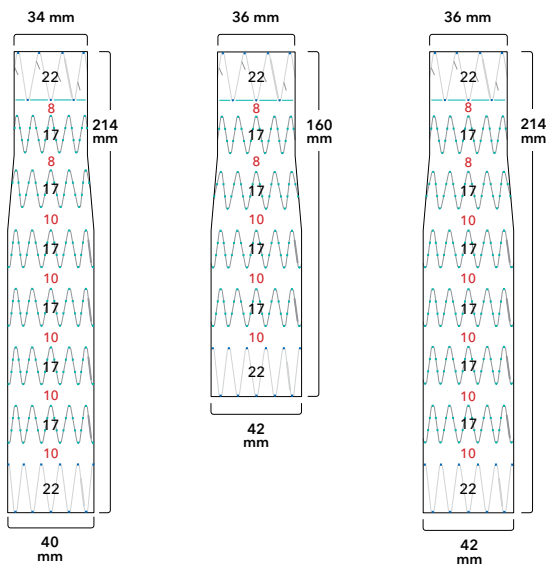
## Proximal Reverse Double Tapered Components (continued)



## Proximal Reverse Double Tapered Components (continued)



## Proximal Reverse Double Tapered Components (continued)



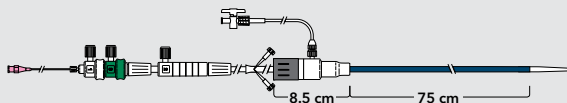
## Distal Components

Order Number	Reference Part Number	Component Type	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>28 mm Diameter</b>					
G52659	ZTEG-2D-28-147-PF	2D	28	147	20 (6.7)/7.7
G52660	ZTEG-2D-28-207-PF	2D	28	207	20 (6.7)/7.7
<b>30 mm Diameter</b>					
G52728	ZTEG-2D-30-147-PF	2D	30	147	20 (6.7)/7.7
G52663	ZTEG-2D-30-207-PF	2D	30	207	20 (6.7)/7.7
<b>32 mm Diameter</b>					
G52666	ZTEG-2D-32-147-PF	2D	32	147	20 (6.7)/7.7
G52668	ZTEG-2D-32-207-PF	2D	32	207	20 (6.7)/7.7
<b>34 mm Diameter</b>					
G52669	ZTEG-2D-34-136-PF	2D	34	136	20 (6.7)/7.7
G52671	ZTEG-2D-34-186-PF	2D	34	186	20 (6.7)/7.7
<b>36 mm Diameter</b>					
G52672	ZTEG-2D-36-136-PF	2D	36	136	22 (7.3)/8.5
G52673	ZTEG-2D-36-186-PF	2D	36	186	22 (7.3)/8.5
<b>38 mm Diameter</b>					
G52674	ZTEG-2D-38-136-PF	2D	38	136	22 (7.3)/8.5
G52675	ZTEG-2D-38-186-PF	2D	38	186	22 (7.3)/8.5
<b>40 mm Diameter</b>					
G52677	ZTEG-2D-40-144-PF	2D	40	144	22 (7.3)/8.5
G52679	ZTEG-2D-40-198-PF	2D	40	198	22 (7.3)/8.5
<b>42 mm Diameter</b>					
G52680	ZTEG-2D-42-144-PF	2D	42	144	22 (7.3)/8.5
G52681	ZTEG-2D-42-198-PF	2D	42	198	22 (7.3)/8.5

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

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

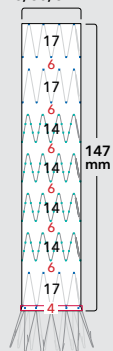
36-42 mm grafts: 22 Fr (7.3 mm) ID/8.5 mm OD



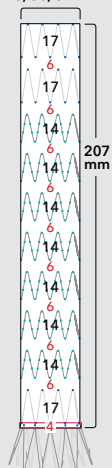


## Distal Components

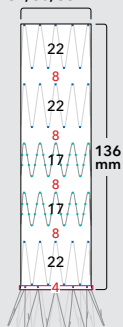
28, 30, 32 mm



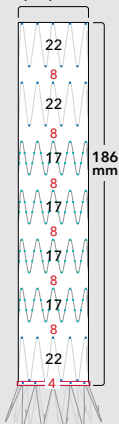
28, 30, 32 mm



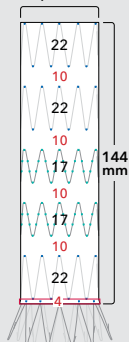
34, 36, 38 mm



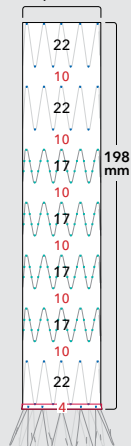
34, 36, 38 mm



40, 42 mm



40, 42 mm



ZTEG-2D-XX-YY-PF

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

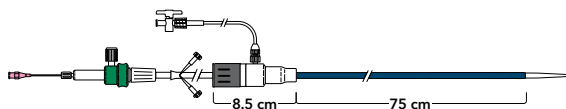
## Proximal Extensions

Order Number	Reference Part Number	Component Type	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>22 mm Diameter</b>					
G52646	TBE-22-80-PF	TBE	22	80	20 (6.7)/7.7
<b>24 mm Diameter</b>					
G52647	TBE-24-80-PF	TBE	24	80	20 (6.7)/7.7
<b>26 mm Diameter</b>					
G52648	TBE-26-80-PF	TBE	26	80	20 (6.7)/7.7
<b>28 mm Diameter</b>					
G52649	TBE-28-80-PF	TBE	28	80	20 (6.7)/7.7
<b>30 mm Diameter</b>					
G52650	TBE-30-80-PF	TBE	30	80	20 (6.7)/7.7
<b>32 mm Diameter</b>					
G52651	TBE-32-80-PF	TBE	32	80	20 (6.7)/7.7
<b>34 mm Diameter</b>					
G52652	TBE-34-77-PF	TBE	34	77	20 (6.7)/7.7
<b>36 mm Diameter</b>					
G52653	TBE-36-77-PF	TBE	36	77	22 (7.3)/8.5
<b>38 mm Diameter</b>					
G52654	TBE-38-77-PF	TBE	38	77	22 (7.3)/8.5
<b>40 mm Diameter</b>					
G52655	TBE-40-81-PF	TBE	40	81	22 (7.3)/8.5
<b>42 mm Diameter</b>					
G52656	TBE-42-81-PF	TBE	42	81	22 (7.3)/8.5

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

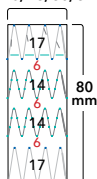
22 -34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

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

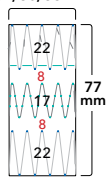


## Proximal Extensions

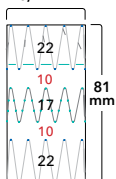
22, 24, 26, 28, 30, 32 mm



34, 36, 38 mm



40, 42 mm



TBE-XX-YY-PF

TBE-(diameter)-(length)-PF

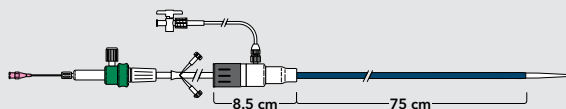
## Distal Extensions

Order Number	Reference Part Number	Component Type	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
<b>22 mm Diameter</b>					
G52635	ESBE-22-80-T-PF	ESBE	22	80	20 (6.7)/7.7
<b>24 mm Diameter</b>					
G52636	ESBE-24-80-T-PF	ESBE	24	80	20 (6.7)/7.7
<b>26 mm Diameter</b>					
G52637	ESBE-26-80-T-PF	ESBE	26	80	20 (6.7)/7.7
<b>28 mm Diameter</b>					
G52638	ESBE-28-80-T-PF	ESBE	28	80	20 (6.7)/7.7
<b>30 mm Diameter</b>					
G52639	ESBE-30-80-T-PF	ESBE	30	80	20 (6.7)/7.7
<b>32 mm Diameter</b>					
G52640	ESBE-32-80-T-PF	ESBE	32	80	20 (6.7)/7.7
<b>34 mm Diameter</b>					
G52641	ESBE-34-77-T-PF	ESBE	34	77	20 (6.7)/7.7
<b>36 mm Diameter</b>					
G52642	ESBE-36-77-T-PF	ESBE	36	77	22 (7.3)/8.5
<b>38 mm Diameter</b>					
G52643	ESBE-38-77-T-PF	ESBE	38	77	22 (7.3)/8.5
<b>40 mm Diameter</b>					
G52644	ESBE-40-81-T-PF	ESBE	40	81	22 (7.3)/8.5
<b>42 mm Diameter</b>					
G52645	ESBE-42-81-T-PF	ESBE	42	81	22 (7.3)/8.5

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

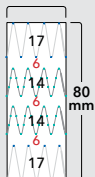
22-34 mm grafts: 20 Fr (6.7 mm) ID/7.7 mm OD

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

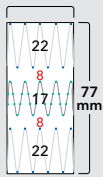


## Distal Extensions

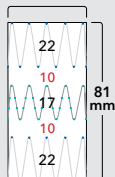
22, 24, 26, 28, 30, 32 mm



34, 36, 38 mm



40, 42 mm



ESBE-XX-YY-T-PF

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

## 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 delivery 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 embolisation 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 delivery 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 delivery 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 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 in a continuous movement until the proximal end of the graft opens. Withdraw the trigger wire completely to release the distal attachment to the introducer. Make sure that all trigger wires are removed prior to withdrawal of the delivery system.

### 5 REMOVE INTRODUCER SHEATH FOR PROXIMAL COMPONENT

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

## Deployment Overview\* (continued)

### 6 POSITION DISTAL COMPONENT

Introduce the delivery 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 delivery 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 visualised under fluoroscopy.

### 7 UNSHEATHE 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:

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

### 9 OPTIONAL: MOULDING BALLOON

Position moulding balloon and, utilising 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 ANGIOGRAPHY

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
- That 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.

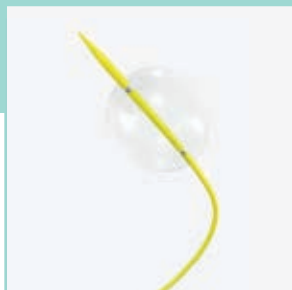
**Warning:** To avoid entangling any in situ catheters, rotate the delivery system during withdrawal.

*\*This deployment overview is an outline highlighting the deployment process for the Zenith TX2 TAA Endovascular Graft. The 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**



Make every  
second count.

## Coda® Balloon Catheter

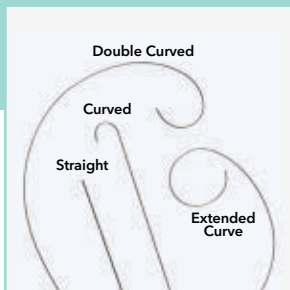
Order Number	Reference Part Number	Catheter Fr/Length cm	Recommended Introducer Fr
<b>G53024</b>	<b>CODA-2-10.0-35-120-32</b>	10/120	14
<b>G53025</b>	<b>CODA-2-10.0-35-120-40*</b>	10/120	14

*\*The 40 mm Coda Balloon Catheter should not be used in vessels < 24 mm in diameter or for expansion of vascular prostheses within iliac or other nonaortic vessels.*

(continued from table above)

Accepts Wire Guide Diameter inch	Balloon Maximum Inflated Diameter mm	Balloon Maximum Inflation Volume mL
.035	32	34
.035	40	40

Guide with optimal support.



## Lunderquist® Extra-Stiff Wire Guide

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

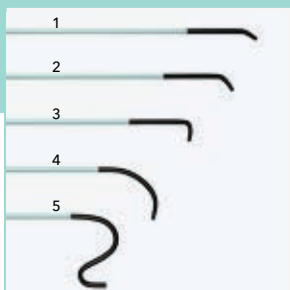
Order Number	Reference Part Number	Diameter inch	Length cm	Flexible Tip Length cm	Primary/Secondary Curve Radius mm	Coil Length cm
<b>Double Curved Exchange – PTFE-Coated Stainless Steel</b>						
G45208	TSCMG-35-260-LESDC	.035	260	4	75/15	15
G45408	TSCMG-35-300-LESDC	.035	300	4	75/15	15
<b>Extended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



Retrieve  
with ease.

## Indy OTW™ Vascular Retriever

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



Simplify  
cannulation.

## Van Schie Beacon® Tip Seeking Catheter

Order Number	Reference Part Number	Fr	Accepts	Length
			Wire Guide Diameter	
			inch	cm
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

Expand your  
dilation options.



## Endovascular Dilator Set

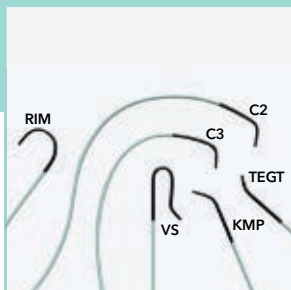
Order Number	Reference Part Number	Accepts Wire Guide Diameter inch	Fr	Length cm	Hydrophilic Coated
G52833	JCDS-14-EDS-HC	.035	14.0	45	yes
G52834	JCDS-1618-EDS-HC	.035	16.0, 18.0	45	yes
G52835	JCDS-2022-EDS-HC	.035	20.0, 22.0	45	yes
G52836	JCDS-2426-EDS-HC	.035	24.0, 26.0	45	yes



Ensure true  
measuring accuracy.

## Aurous™ Centimeter Sizing Catheter

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Number of Bands/ Placement Interval cm
<b>Pigtail</b>						
G31215	NR5.0-35-70-P-10S-PIG-CSC-20	5.0	.035	70	10	20/1
G31216	NR5.0-35-100-P-10S-PIG-CSC-20	5.0	.035	100	10	20/1
<b>Straight</b>						
G31213	NR5.0-35-70-P-10S-0-CSC-20	5.0	.035	70	10	20/1
G31214	NR5.0-35-100-P-10S-0-CSC-20	5.0	.035	100	10	20/1



Select branch vessels with a high degree of visibility and control.

## Beacon® Tip Torcon NB® Advantage Angiographic Catheters

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
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
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





Track and treat  
with confidence.

## Flexor® Ansel Check-Flo® Introducers with Hemostasis Valve and High-Flex Dilators

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Tip Configuration
G56229	KCFW-4.0-35-55-RB-HFANL0-HC	4.0	.059/1.5	.035	55	straight
G56234	KCFW-4.0-35-55-RB-HFANL1-HC	4.0	.059/1.5	.035	55	multipurpose
G56219	KCFW-4.0-35-70-RB-HFANL0-HC	4.0	.059/1.5	.035	70	straight
G56224	KCFW-4.0-35-70-RB-HFANL1-HC	4.0	.059/1.5	.035	70	multipurpose
G56230	KCFW-5.0-35-55-RB-HFANL0-HC	5.0	.074/1.9	.035	55	straight
G56235	KCFW-5.0-35-55-RB-HFANL1-HC	5.0	.074/1.9	.035	55	multipurpose
G56220	KCFW-5.0-35-70-RB-HFANL0-HC	5.0	.074/1.9	.035	70	straight
G56225	KCFW-5.0-35-70-RB-HFANL1-HC	5.0	.074/1.9	.035	70	multipurpose
G56231	KCFW-6.0-35-55-RB-HFANL0-HC	6.0	.087/2.2	.035	55	straight
G56236	KCFW-6.0-35-55-RB-HFANL1-HC	6.0	.087/2.2	.035	55	multipurpose
G56221	KCFW-6.0-35-70-RB-HFANL0-HC	6.0	.087/2.2	.035	70	straight
G56226	KCFW-6.0-35-70-RB-HFANL1-HC	6.0	.087/2.2	.035	70	multipurpose
G56232	KCFW-7.0-35-55-RB-HFANL0-HC	7.0	.100/2.5	.035	55	straight
G49043	KCFW-7.0-35-55-RB-HFANL1-HC	7.0	.100/2.5	.035	55	multipurpose
G56222	KCFW-7.0-35-70-RB-HFANL0-HC	7.0	.100/2.5	.035	70	straight
G56227	KCFW-7.0-35-70-RB-HFANL1-HC	7.0	.100/2.5	.035	70	multipurpose

## Flexor Ansel Check-Flo Introducers with Hemostasis Valve and High-Flex Dilators

(continued)

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Tip Configuration
G56233	KCFW-8.0-35-55-RB-HFANL0-HC	8.0	.113/2.9	.035	55	straight
G49045	KCFW-8.0-35-55-RB-HFANL1-HC	8.0	.113/2.9	.035	55	multipurpose
G56223	KCFW-8.0-35-70-RB-HFANL0-HC	8.0	.113/2.9	.035	70	straight
G56228	KCFW-8.0-35-70-RB-HFANL1-HC	8.0	.113/2.9	.035	70	multipurpose
G56278	KCFW-10.0-35-45-RB-HFANL0-HC	10.0	.134/3.4	.035	45	straight
G47700	KCFW-10.0-35-45-RB-HFANL1-HC	10.0	.134/3.4	.035	45	multipurpose
G56279	KCFW-12.0-35-45-RB-HFANL0-HC	12.0	.162/4.1	.035	45	straight
G47701	KCFW-12.0-35-45-RB-HFANL1-HC	12.0	.162/4.1	.035	45	multipurpose



Navigate  
with precision  
and support.

## Rosen Curved Wire Guides

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Curve Radius mm
<b>Curved</b> – PTFE-Coated Stainless Steel				
G01261	THSCF-35-145-1.5-ROSEN	.035	145	1.5
G01264	THSCF-35-180-1.5-ROSEN	.035	180	1.5
<b>Exchange-Curved</b> – PTFE-Coated Stainless Steel				
G01253	THSCF-35-260-1.5-ROSEN	.035	260	1.5

## Procedure Packs

### Zenith® AAA Endovascular Graft Procedure Pack

Order Number	Reference Part Number	Description	Qty
G33036	ESSK-2	Pack consists of components listed.	
	SDN-19UT-7.0	Vascular Access Needle.	2
	RCF-7.0-35-J	Check-Flo® Performer® Introducer Set.	2
	RFSPC-35-180	Roadrunner® PC Wire Guide, Nimble® Floppy.	1
	TSCMG-35-260-7-LES	Lunderquist Extra-Stiff Wire Guide.	2
	CODA-2-10.0-35-120-32	Coda® Balloon Catheter.	1
	HNR5.0-35-100-P-10S-PIG	Royal Flush Plus Pigtail Angiographic Catheter with Beacon Tip.	1
	HNBR5.0-35-65-P-NS-VANSCHIE2	Torcon NB Advantage Endovascular Graft Seeking Catheter with Beacon Tip Van Schie Seeking Catheter.	1

## Procedure Packs

### Zenith AAA Endovascular Graft Procedure Pack

Order Number	Reference Part Number	Description	Qty
G33037	ESSK-3	Pack consists of components listed.	
	SDN-19UT-7.0	Vascular Access Needle.	2
	RCF-7.0-35-J	Check-Flo® Performer® Introducer.	2
	TSCF-35-145-3	Standard Wire Guide.	1
	TSCMG-35-260-7-LES	Lunderquist Extra-Stiff Wire Guide.	2
	HNR5.0-35-70-P-105-0	Royal Flush Plus Straight Angiographic Catheter with Beacon Tip.	1
	HNR5.0-35-100-P-105-PIG	Royal Flush Plus Pigtail Angiographic Catheter with Beacon Tip.	1
	NR5.0-35-100-P-105-PIG-CSC-20	Aurous® Beacon Tip Sizing Catheter.	1
	CODA-2-10.0-35-120-32	Coda® Balloon Catheter.	1
	HNBR5.0-35-65-P-NS-VANSCHIE2	Torcon NB Advantage Endovascular Graft Seeking Catheter with Beacon Tip Van Schie Seeking Catheter.	1
	HNBR5.0-35-60-P-NS-BELL-1.5	Torcon NB Advantage Endovascular Graft Seeking Catheter with Beacon Tip.	1
	HNBR5.0-35-65-P-NS-C2	Torcon NB Advantage Cobra Angiographic Catheter with Beacon Tip.	1

## Procedure Packs

### Zenith AAA Endovascular Graft Procedure Pack

Order Number	Reference Part Number	Description	Qty
G50631	ESSK-AAA	Pack consists of components listed.	
	TSCMG-35-260-7-LES	Lunderquist Extra-Stiff Wire Guide.	2
	CODA-2-10.0-35-120-32	Coda® Balloon Catheter.	1
	HNBR5.0-35-65-P-NS-VANSCHIE2	Torcon NB Advantage Endovascular Graft Seeking Catheter with Beacon Tip Van Schie Seeking Catheter.	1

### Zenith® Branch Iliac Endovascular Graft Procedure Pack

Order Number	Reference Part Number	Description	Qty
G55527	ESSK-BRANCH	Pack consists of components listed.	
	THSCF-35-260-1.5-ROSEN	Rosen Heavy Duty Wire Guide.	1
	KCFW-7.0-35-55-RB-HFANL1-HC	Flexor® Ansel Check-Flo® Introducer with High-Flex Dilator.	1
	KCFW-8.0-35-55-RB-HFANL1-HC	Flexor® Ansel Check-Flo® Introducer with High-Flex Dilator.	1
	KCFW-12.0-35-45-RB-HFANL1-HC	Flexor® Ansel Check-Flo® Introducer with High-Flex Dilator.	1

## Procedure Packs

### Zenith® Fenestrated Endovascular Graft Procedure Pack

Order Number	Reference Part Number	Description	Qty
G45702	ESSK-FEN	Pack consists of components listed.	
	XLCFW-20.0-38-30-ENDOSTENT	Zenith® AAA Endovascular Graft Extra Large Check-Flo Introducer.	1
	KCFW-7.0-35-55-RB-HFANL1-HC	Flexor Ansel Check-Flo Introducer with High-Flex Dilator.	1
	THSCF-35-260-1.5-ROSEN	Rosen Heavy Duty Wire Guide.	2

Note: To support a Fenestrated case, you need to order both a Zenith AAA Endovascular Graft Procedure Pack and a Zenith Fenestrated Endovascular Pack.

### Zenith® Thoracic Endovascular Graft Procedure Pack

Order Number	Reference Part Number	Description	Qty
G39775	ESSK-T	Pack consists of components listed.	
	CODA-2-10.0-35-120-40	Coda® Balloon Catheter.	1
	TSCMG-35-300-LESDC	Lunderquist Extra-Stiff Double Curved Wire Guide.	1
	RCFN-6.0-38-J	Check-Flo Performer Introducer Set.	1
	RFPC-35-180	Roadrunner PC Wire Guide, Nimble Floppy.	1
	NR5.0-35-100-P-10S-PIG-CSC-20	Aurous Beacon Tip Sizing Catheter.	1



Going Beyond.

That's what it means to Transcend.

That's the essence of Zenith.