

Zenith® Fenestrated

AAA ENDOVASCULAR GRAFT

DEVICE PLANNING AND SIZING

Date: _____ Patient ID: _____

Hospital: _____

Physician Name: _____

Physician Phone #: _____

Physician E-mail: _____

Physician Signature: _____

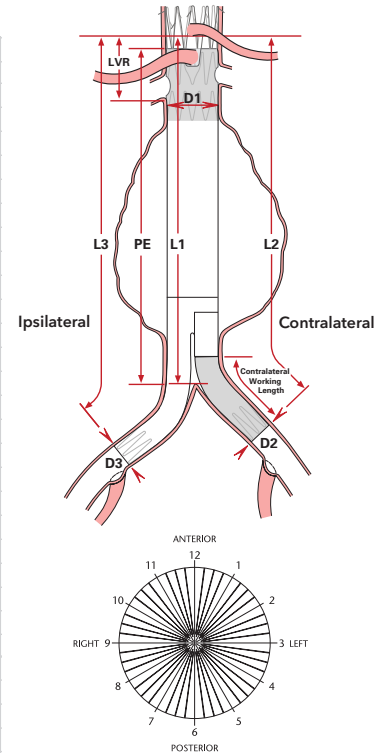
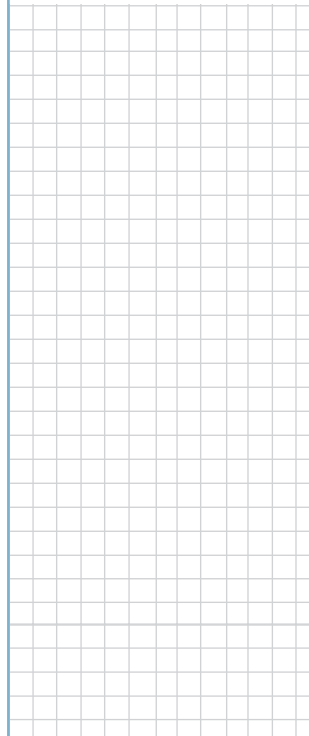
Step 1: Locate the anatomic positions.

Use the bottom of the celiac axis as the "0" point (reference point).

	Measurement	2D	Centerline	
		Clock Position	Distance from Reference	Inner Aortic Diameter mm
	Bottom of celiac Reference: 0 position		0	
	Middle of SMA			
	Bottom of SMA			
Highest	Middle of renal artery right <input type="checkbox"/> left <input type="checkbox"/>			
Lowest	Middle of renal artery right <input type="checkbox"/> left <input type="checkbox"/>			
	Accessory renal artery right <input type="checkbox"/> left <input type="checkbox"/>			
	Accessory renal artery right <input type="checkbox"/> left <input type="checkbox"/>			
LVR	Bottom of lowest artery			
	Start of aneurysm			
L1	Aortic bifurcation			
L2	Distal iliac fixation site (contralateral)			
L3	Distal iliac fixation site (ipsilateral)			
Access	<input type="checkbox"/> Right external iliac (EI) (Minimum inner diameter from introduction site to aorta)			
	<input type="checkbox"/> Left external iliac (EI) (Minimum inner diameter from introduction site to aorta)			
PE	Edge of proximal graft to bifurcation			

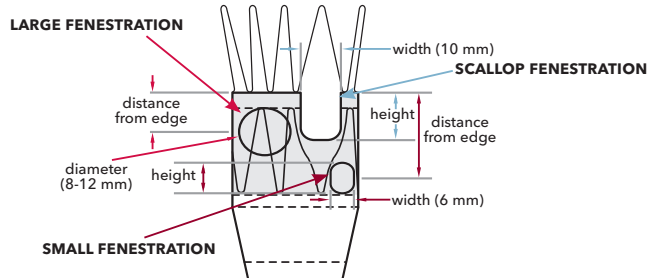
Corrected Reference Drawing

(Draw visceral vessels)



Step 2: Measure the primary diameters (mm).

	D1	Largest aortic neck diameter along 15 mm sealing zone
	D2	Largest iliac outer diameter through contralateral fixation site
	D3	Largest iliac outer diameter through ipsilateral fixation site
	Dmax	Maximum AAA diameter
		Inner aortic diameter at chosen level



Step 3: Choose the fenestration(s).

	Vessel	#1	#2
Scallop Fenestration All scallops are 10 mm wide. Height ranges from 6 to 12 mm.	Width	10 mm	10 mm
	Height		
	Clock position		
Large Fenestration Diameters are 8-12 mm. Stent struts may cross large fenestration. The distance from the edge must be ≥ 10 mm.	Diameter		
	Clock position		
	Distance from edge		
Small Fenestration All small fenestrations are 6 mm wide. Heights are either 6 or 8 mm. The distance from the proximal edge must be ≥ 15 mm.	Width	6 mm	6 mm
	Height		
	Clock position		
	Distance from edge		

Anatomic Measurement Key

- L1** Distance from celiac (reference) to aortic bifurcation
- L2** Distance from celiac (reference) to contralateral iliac fixation site
- L3** Distance from celiac (reference) to ipsilateral iliac fixation site
- LVR** Distance of lowest vessel from celiac (reference)
- PE** Planned distance of proximal edge of graft to aortic bifurcation
- D1** Largest aortic neck diameter along 15 mm sealing zone
- D2** Largest iliac diameter through contralateral fixation site
- D3** Largest iliac diameter through ipsilateral fixation site

Graft Measurement Key

- PBL** Proximal body graft length
- PBD** Proximal body graft diameter
- DBL** Distal body graft length
- DLL** Distal graft ipsilateral limb length
- DD3** Distal graft ipsilateral limb diameter

Step 4: BL1—Select the proximal body's length.

- A. Choose one or two internal sealing stents.
- B. Choose the diameter of the graft.
- C. Choose the proximal body's length.

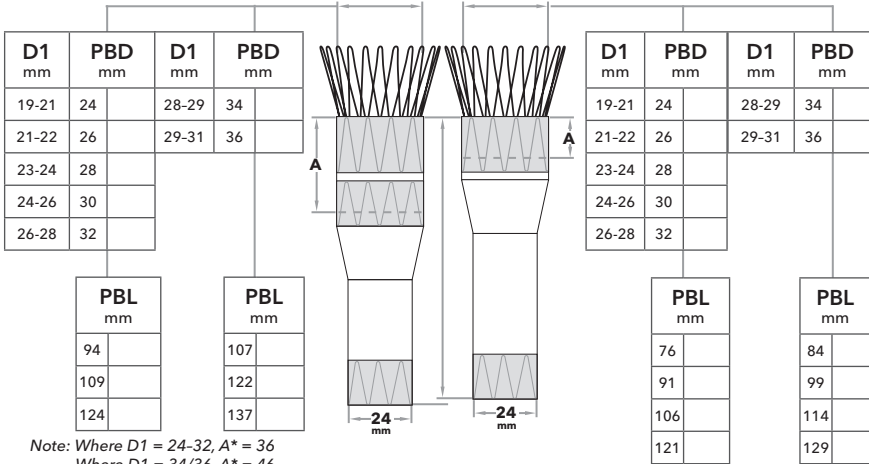
$$\boxed{} - 20 = \boxed{}$$

PE - 20 =

PROXIMAL BODY

(Default to the shorter device)

Two Internal Sealing Stents One Internal Sealing Stent



Note: Where D1 = 24-32, A* = 36
Where D1 = 34/36, A* = 46

Note: Where D1 = 24-32, A* = 16
Where D1 = 34/36, A* = 21

*A = lower fenestration boundary

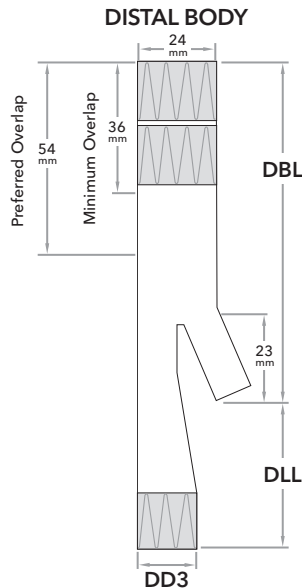
Proximal Main Body Order Number

ZFEN - P - $\boxed{}$ - $\boxed{}$ - $\boxed{}$ - **R**

(1) (2) Sealing Stents PBD PBL

Step 5: Choose the diameter of the distal body ipsilateral limb.

D3 mm	Ipsilateral Limb Diameter (DD3) mm
9-11	12 <input type="checkbox"/>
12-15	16 <input type="checkbox"/>
15-18	20 <input type="checkbox"/>
18-21	24 <input type="checkbox"/>



Step 6: DLL—Select the length of the distal graft ipsilateral limb.

$$\boxed{} - \boxed{} + 5 = \boxed{}$$

L3 - L1 + 5 =

(Use chart and default to longer device)

DLL mm	28	45	62

Note: If DD3 = 24 mm, then DLL 28 mm is not available.

Step 7: DBL—Choose the distal body graft's length.

$$\boxed{} - \boxed{} - 25 = \boxed{}$$

L1 - LVR - 25 =

(Use chart and default to shorter device)

DBL mm	76	91	106	121

Distal Bifurcated Main Body Order Number

ZFEN - D - $\boxed{}$ - $\boxed{}$ - $\boxed{}$ - **C**

DD3 DLL DBL

Step 8: ZSLE—Contralateral Spiral-Z® AAA Iliac Leg

- A. From D2, select the leg diameter.
- B. Calculate the contralateral working length.

$$\boxed{} - \boxed{} + \boxed{} = \boxed{}$$

(L2 - L3) + DLL (from step 6) = Contralateral Working Length

- C. Select the graft length, using the contralateral working length.

D2 mm	Graft Diameter mm	Contralateral Leg (ZSLE) Graft Lengths		
		Contralateral Working Length mm	Graft Length mm	Recommended Overlap mm
≤ 8	9	27-43	39 [†]	22-30
9	11	44-60	56	22-30
10-12	13	61-77	74	22-30
13-15	16	78-94	90	22-30
16-18	20	95-111	107 [†]	22-30
19-20	24	112-122	122 [‡]	22-30

[†] Assume adequate distal fixation length.
[‡] Only available for 9-13 mm diameters.

Contralateral Iliac Leg Order Number

ZSLE - $\boxed{}$ - $\boxed{}$ - **ZT**

Contralateral Graft Diameter Contralateral Graft Length

Customer Service

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AAA ENDOVASCULAR GRAFT

DEVICE ORDER FORM

Send the completed form to the Cook Medical Customer Service Center: orders@cookmedical.com or 800.554.8335 (fax).

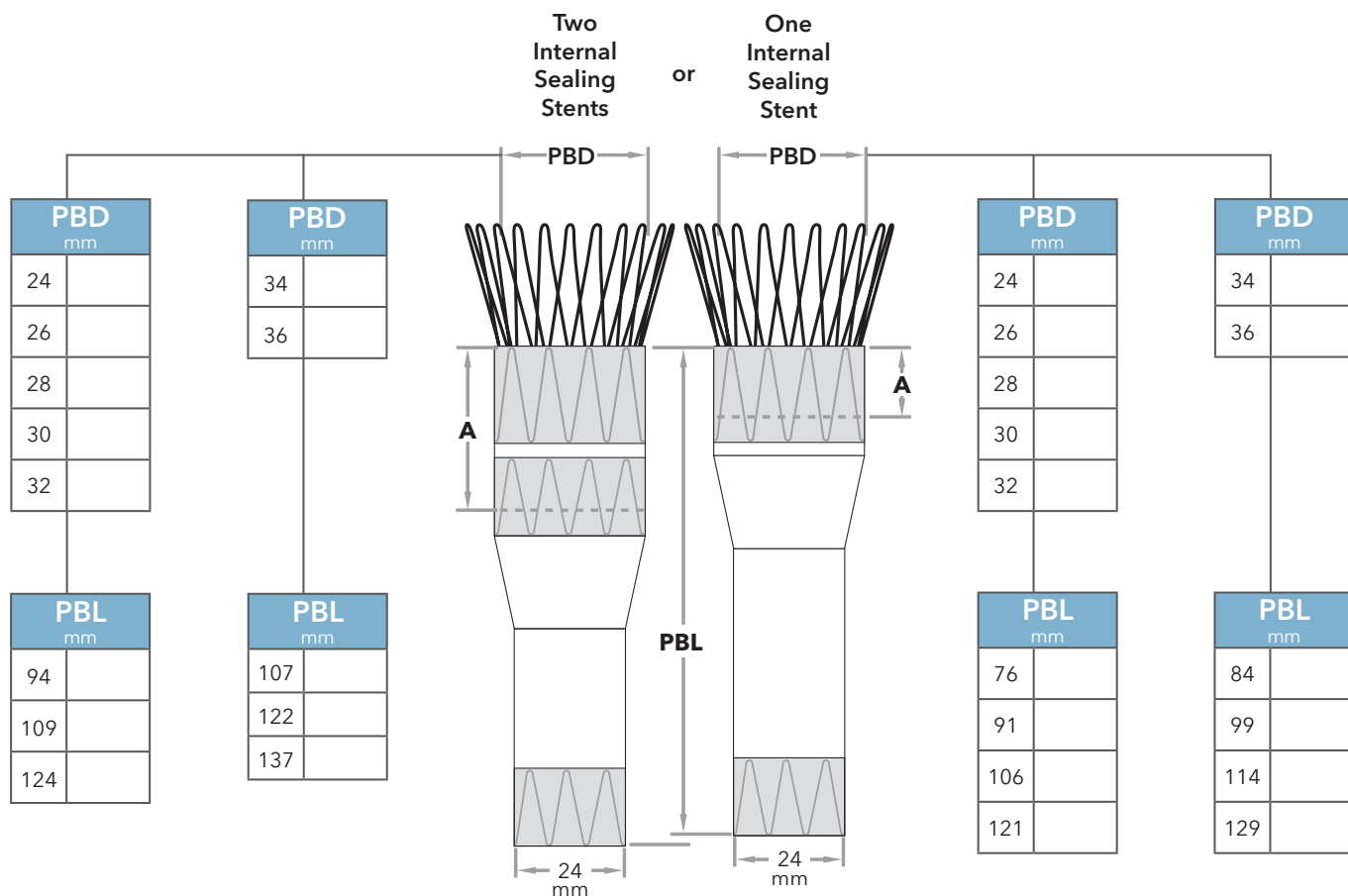
Date: _____ Patient ID: _____

Hospital: _____ Physician Name: _____

Physician Signature: _____ Physician Phone #: _____

Physician E-mail: _____

Proximal Body



Proximal Main Body Reference Part Number

ZFEN-P- - - -R
(1) (2) Sealing Stents PBD PBL

Note: Be sure to check the appropriate PBD and PBL boxes above.

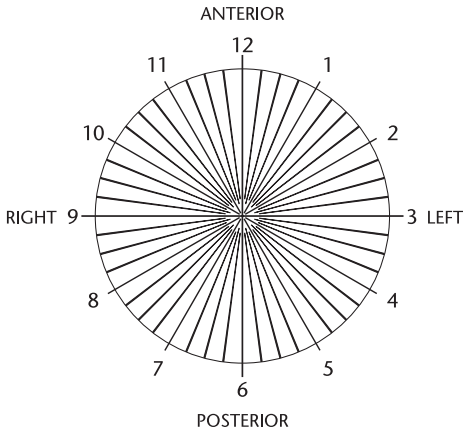
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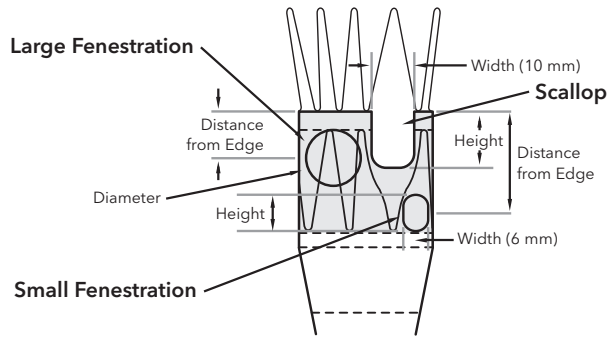
Clock Position



Clock positions are in 15-minute increments.

General Notes

The maximum number of fenestrations is three. The maximum number of any particular type of fenestration is two.



Internal Aortic Diameter

Scallop

All scallops are 10 mm wide.
Height ranges from 6 to 12 mm.

	#1	#2
Height		
Clock Position		

Large Fenestration

Diameters are 8-12 mm.
Stent struts may cross large fenestration.
The distance from the center to the edge must be ≥ 10 mm.

	#1	#2
Diameter		
Clock Position		
Distance from Edge		

Small Fenestration

All small fenestrations are 6 mm wide.
Heights are either 6 or 8 mm.
The distance from the center to the proximal edge must be ≥ 15 mm.

	#1	#2
Height		
Clock Position		
Distance from Edge		

ALPHA CODE- - - -

(For Cook internal use only)

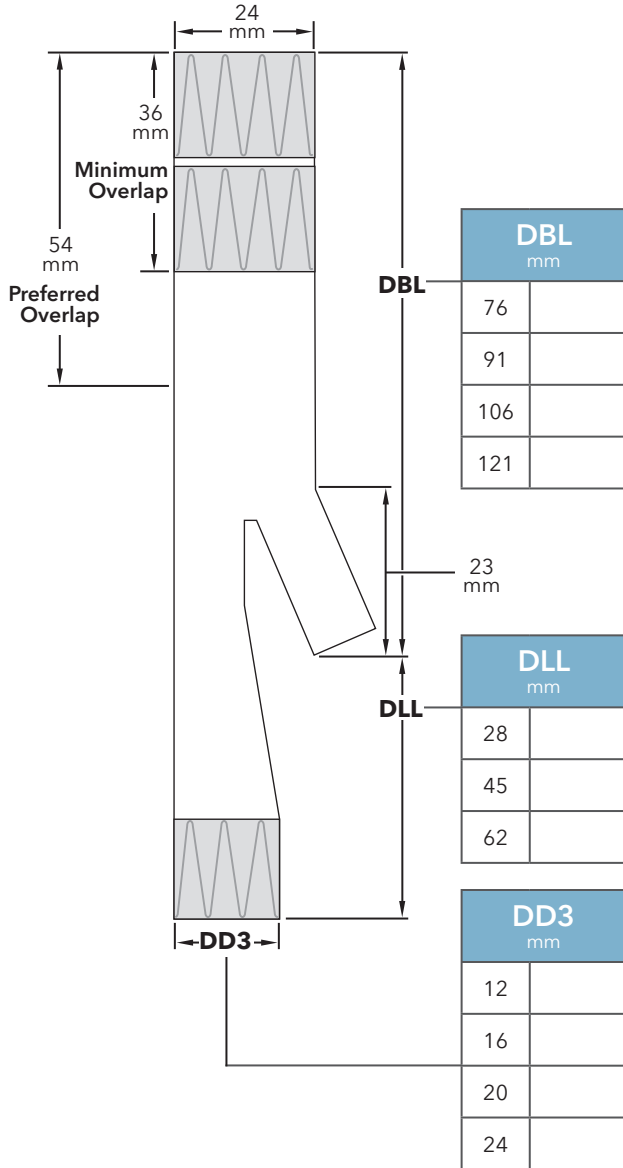


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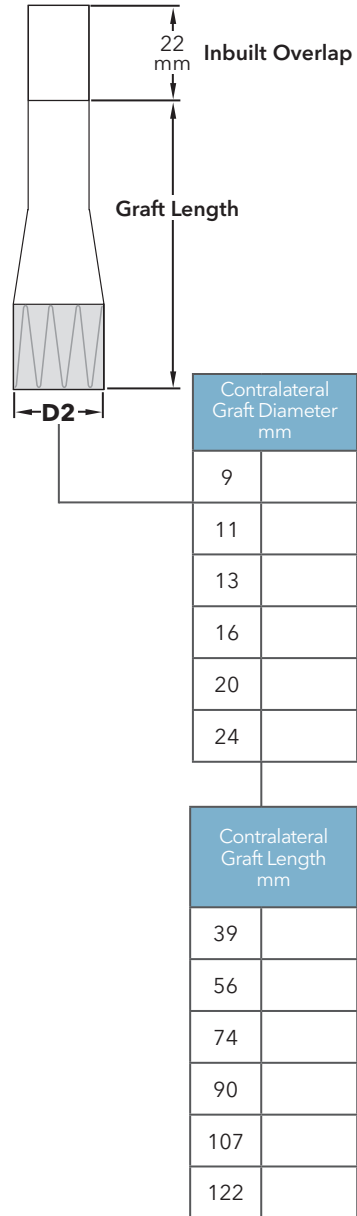
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Distal Body



Note: 24 is not available when DLL = 28 mm

Contralateral Leg



Distal Bifurcated Main Body Order Number

ZFEN-D - - - - C
DD3 DLL DBL

Note: Be sure to check the appropriate DD3, DLL, and DBL boxes above.

Contralateral Iliac Leg Order Number

ZSLE - - - ZT
Contralateral Graft Diameter Contralateral Graft Length

Note: Be sure to check the appropriate contralateral graft diameter and contralateral graft length boxes above.



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