



Zenith® Fenestrated

AAA ENDOVASCULAR GRAFT

DEVICE PLANNING AND SIZING WORKSHEET

Step 1: Anatomic Positions

Utilize bottom of celiac axis as "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	Right External Iliac (EI) (Minimum inner diameter from introduction site to aorta)			
	Left External Iliac (EI) (Minimum inner diameter from introduction site to aorta)			
PE	Edge of Proximal Graft to Bifurcation			

Step 2: Primary Diameter Measurements (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

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 outer diameter through contralateral fixation site
- D3** Largest iliac outer 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

Date: _____ Patient ID: _____

Hospital: _____

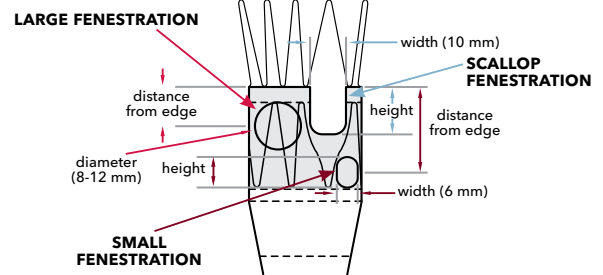
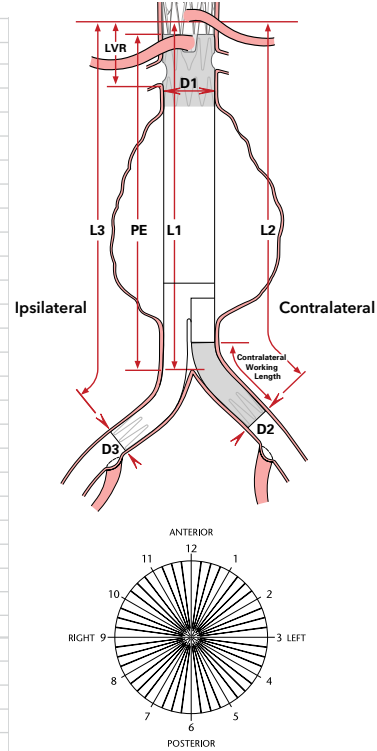
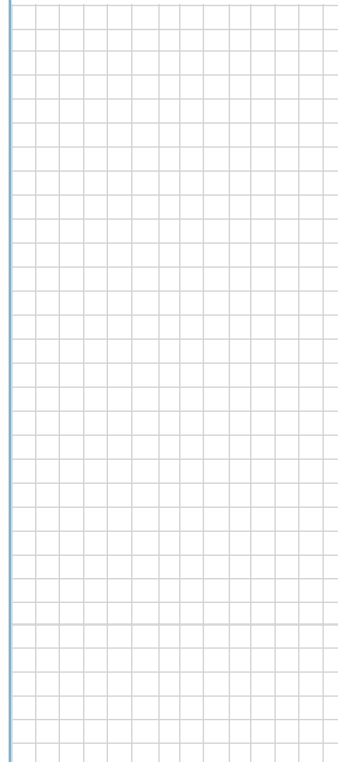
Physician Name: _____

Physician Phone: _____

Physician E-mail: _____

Physician Signature: _____

Corrected Reference Drawing (Draw visceral vessels)



Step 3: Choose 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 range from 8, 10 or 12 mm. Stent struts may cross large fenestration. Distance from 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. Distance from proximal edge must be ≥ 15 mm.	Width	6 mm	6 mm
	Height		
	Clock position		
	Distance from edge		

Step 4: BL1-Select Proximal Body Length

A. Choose one or two internal sealing stents

B. Choose diameter of graft

C. Choose proximal body length

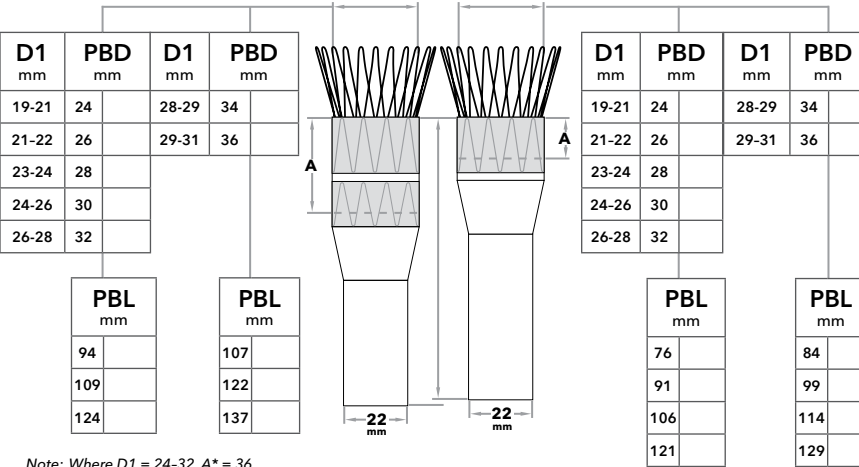
$$\square - 20 = \square$$

$$PE - 20 = \text{Proximal Body Length}$$

(Default to shorter device)

PROXIMAL BODY

Two Internal Sealing Stents One Internal Sealing Stent



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

*A = lower fenestration boundary

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

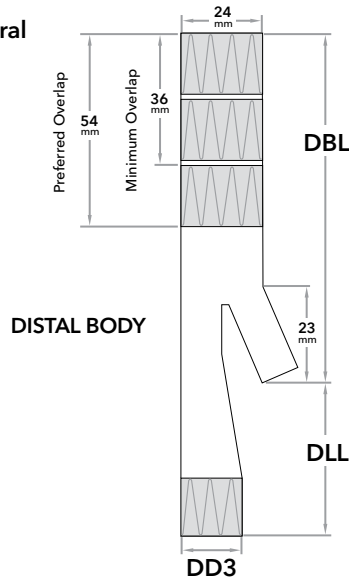
Proximal Main Body Order Number

$$\mathbf{ZFEN - P - \square - \square - \square}$$

(1) (2)
Sealing Stents PBD PBL

Step 5: Choose Distal Body Ipsilateral Limb Diameter

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 Distal Graft Ipsilateral Limb Length

$$\square - \square + 5 = \square$$

$$L3 - L1 + 5 = \text{Ipsilateral Limb Length}$$

(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 Distal Body Graft Length

$$\square - \square - 25 = \square$$

$$L1 - LVR - 25 = \text{Distal Body Graft Length}$$

(Use chart and default to shorter device)

DBL mm	76	94	109	124

Distal Bifurcated Main Body Order Number

$$\mathbf{ZFEN - D - \square - \square - \square}$$

DD3 DLL DBL

Step 8: ZSLE-Contralateral Spiral-Z™ AAA Iliac Leg

A. From D2, select leg diameter

B. Calculate contralateral working length

$$\square - \square + \square = \square$$

$$(L2 - L3) + DLL \text{ (from step 6)} = \text{Contralateral Working Length}$$

C. Select graft length, using the contralateral working length

Contralateral Leg (ZSLE) Graft Diameters		Contralateral Leg (ZSLE) Graft Lengths		
D2 mm	Graft Diameter mm	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

† Assure adequate distal fixation length.

‡ Graft lengths of 107 and 122 mm are available in 9-13 mm diameters only.

Contralateral Iliac Leg Order Number

$$\mathbf{ZSLE - \square - \square - ZT}$$

Contralateral Graft Diameter Contralateral Graft Length

Customer Service Centers

EMEA: EDI - www.cookmedical.com/edi.do
Distributors: +353 61239240, ssc.distributors@cookmedical.com
Austria: +43 179567121, oe.orders@cookmedical.com
Belgium: +32 27001633, be.orders@cookmedical.com
Denmark: +45 38487607, da.orders@cookmedical.com
Finland: +358 972519996, fi.orders@cookmedical.com
France: +33 171230269, fr.orders@cookmedical.com
Germany: +49 6950072804, de.orders@cookmedical.com
Hungary: +36 17779199, hu.orders@cookmedical.com
Ireland: +353 61239252, ie.orders@cookmedical.com
Italy: +39 0269682853, it.orders@cookmedical.com
Netherlands: +31 202013367, nl.orders@cookmedical.com
Norway: +47 23162968, no.orders@cookmedical.com
Spain: +34 912702691, es.orders@cookmedical.com
Sweden: +46 858769468, se.orders@cookmedical.com
Switzerland - French: +41 448009609, fr.orders@cookmedical.com
Switzerland - Italian: +41 448009609, it.orders@cookmedical.com
Switzerland - German: +41 448009609, de.orders@cookmedical.com
United Kingdom: +44 2073654183, uk.orders@cookmedical.com

www.cookmedical.com

Americas: EDI - www.cookmedical.com/edi.do

Phone: +1 812.339.2235, 800.457.4500, Fax: 800.554.8335
E-mail: orders@cookmedical.com

Australia:

Phone: +61 738411188, 1800777222, Fax: +61 738411288, 1800077283
E-mail: cau.custserv@cookmedical.com

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