

Transcend: Precision

Planning and Sizing

(includes Spiral-Z[™] AAA Iliac Leg and Z-Trak[®] Introduction System)

Planning and Sizing

Obtain the recommended CT and angiography. Follow these five recommended steps:

- 1. Select the side for main body introduction and fixation sites.
- 2. Obtain and note anatomical measurements on the worksheet.
- 3. Select the main body.
- 4. Select the contralateral iliac leg.
- 5. Select the ipsilateral iliac leg.

Measurements Needed

- Three diameters – D1, D2, D3
- Three lengths – L1, L2, L3



Diameter Measurements

D1, D2, D3: Proximal neck and common iliac diameters from axial CT images should be measured from outer wall to outer wall, using shortest axis.

outer wall to outer wall



Diameter Measurements

EI: External iliac diameters from axial CT images should be measured from inner wall to inner wall to assure delivery system access. Vessel should be compatible with delivery systems that are the profile of a 16-22 Fr introducer sheath.

inner wall to inner wall

Diameter Oversizing

Diameters for components are oversized.

- Main body diameters are generally oversized 3-4 mm.
- Iliac leg diameters are generally oversized 1-2 mm.

Use the sizing tables on the planning and sizing worksheet to select components with proper oversizing.

Diameter Oversizing

Undersizing



Too much oversizing



Overlap

Contralateral

• 22 mm – 30 mm

Note: Maximum contralateral overlap denoted by radiopaque marker band.

Ipsilateral

- 22 mm 30 mm (39 mm lengths)
- 22 mm 55 mm (other lengths)



Lengths

Use CT scan and/or angiography with calibrated catheter.

Do not oversize lengths!

- Use actual lengths.
- If necessary, select shorter graft length.

Planning and Sizing Worksheet



- Select the side for main body introduction and fixation sites.
- Generally, place the main body through the side that has the best access vessel.
- Factors to consider (as per intended use in IFU):
 - Iliac tortuosity
 - Vessel diameter (EI)
 - Angulation of a distal neck
 - Aneurysmal sac orientation
 - Mural thrombus within the aneurysm
 - Iliofemoral disease (e.g., stenosis, calcification)
 - Iliac length (short iliac contralateral)
 - Iliac aneurysm (ipsilateral)

Anatomical Measurements

Main	Body	Introd	luction	Site
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Right iliac
 External iliac (El) measurement _____mm
 Left iliac
 External iliac (El) measurement _____mm

- Obtain anatomical measurements.
- •D1: Largest aortic neck diameter throughout 15 mm neck length
- •D2: Largest iliac diameter throughout contralateral distal fixation site
- •D3: Largest iliac diameter throughout ipsilateral distal fixation site
 •L1: Lowest renal artery to aortic bifurcation, including lateral deviation
- •L2: Lowest renal artery to contralateral distal fixation site, including lateral deviation
- •L3: Lowest renal artery to ipsilateral distal fixation site, including lateral deviation



Select main body.

From D1, select graft diameter. (Table includes oversizing.)
From L1, select graft lengths. (Table provides contralateral [cl] and

ipsilateral [il] lengths, and includes minimum of 5 mm clearance for cl limb.)

•If choice of graft diameter or graft length is affected by other considerations, adjust accordingly. (See manual.)



Select contralateral iliac leg.

•From D2, select graft diameter. (Table includes oversizing.)

- •L1 cl length = contralateral working length.
- •Using contralateral working length, select graft length.

•Consider stent overlap and a secure fixation site.

•If choice of graft diameter or graft length is affected by other considerations, adjust accordingly.

Contralateral Spiral-Z[™] AAA Iliac Leg



Working Length

Contralateral Leg (ZSLE) Diameters

Contralateral Leg (ZSLE) Lengths

D2 mm	Graft Diameter mm	Contralateral Working Length mm	Graft Length mm	Recommended Overlap mm
≤ 8	9	27-43	39 ³	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		1074	22.00
19-20	24	95-111	1074	22-30
••		112-122	1224	22-30

³Assure adequate distal fixation length.

⁴Graft lengths of 107 and 122 mm are available in 9-13 mm diameters only.



Select ipsilateral iliac leg.

•From D3, select graft diameter. (Table includes oversizing.)

- •L3 il length = ipsilateral working length.
- •Using ipsilateral working length, select graft length.

•Consider stent overlap and a secure fixation site.

•If choice of graft diameter or graft length is affected by other considerations, adjust accordingly.





Devices to Order



Final Step!

• Virtual "Retro-fit" on workstation

• Check landing zones, overlaps, sites of atheroma, tight curves etc.



Transcend: Precision

Going beyond. That's what it means to Transcend. That's the essence of Zenith.