

# ENDURANT

AAA Stent Graft System

NATURAL SELECTION

Pre-case Planning

# Imaging Specifications

## CONTRAST ENHANCED CT-SCAN

- CT angiography date should be within 3 months of implant date
- CT slices thickness not exceeding 3 mm
- At discharge (if applicable) and for all further follow up visits it is recommended to have CT slices of no more than 3 mm

## 2-VIEW (A-P & LATERAL) ABDOMINAL X-RAY

- Include the entire portion of stent covered aorta
- Ensure that all devices are visible in each view recorded
- For follow-up visits, perform the same views



# Indication For Use

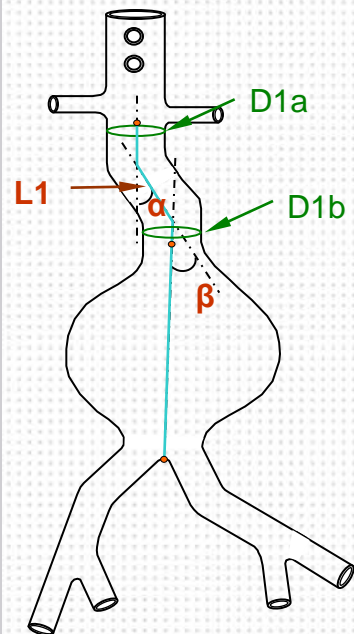
ENDURANT STENT GRAFT SYSTEM IS INDICATED FOR ENDOVASCULAR TREATMENT OF INFRARENAL ABDOMINAL AORTIC OR AORTO-ILIAC ANEURYSMS HAVING:

- Adequate iliac/femoral access :  $\geq 6.7$  mm vessel diameter for ipsilateral side,  $\geq 5$  mm vessel diameter for contralateral side.
- Aneurysms with proximal neck diameters of 19-32 mm:
  - Proximal necks  $\geq 10$  mm in length** with non-significant calcification, and/or non-significant thrombus with  $\leq 60^\circ$  **infrarenal** and  $\leq 45^\circ$  **suprarenal angulation** and a vessel diameter approximately 10-20% smaller than the labeled Endurant Stent Graft diameter
  - Proximal necks  $\geq 15$  mm neck** with non-significant calcification, and/or non-significant thrombus with  $\leq 75^\circ$  **infrarenal** and  $\leq 60^\circ$  **suprarenal angulation** and a vessel diameter approximately 10-20% smaller than the labeled Endurant Stent Graft diameter
- **Iliac diameters of 8-25 mm**
- Morphology suitable for endovascular repair
- Distal fixation length of  $\geq 15$  mm





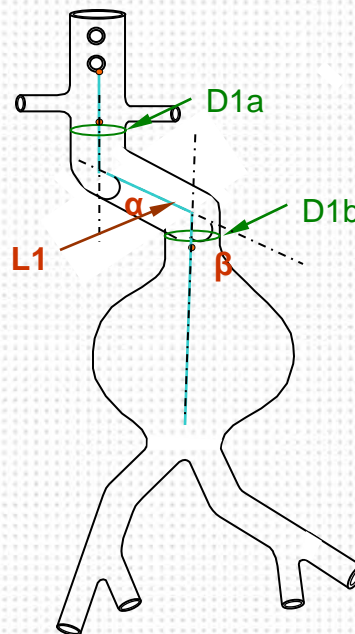
# Neck Angulations



$\alpha$  Angle between the supraceliac aorta and the neck ( $\leq 45^\circ$ )

$\beta$  Angle between the neck and aneurysm angle ( $\leq 60^\circ$ )

L1 Length of the non-aneurysmal aortic neck (distance between D1a and D1b)  $\geq 1.0$  cm



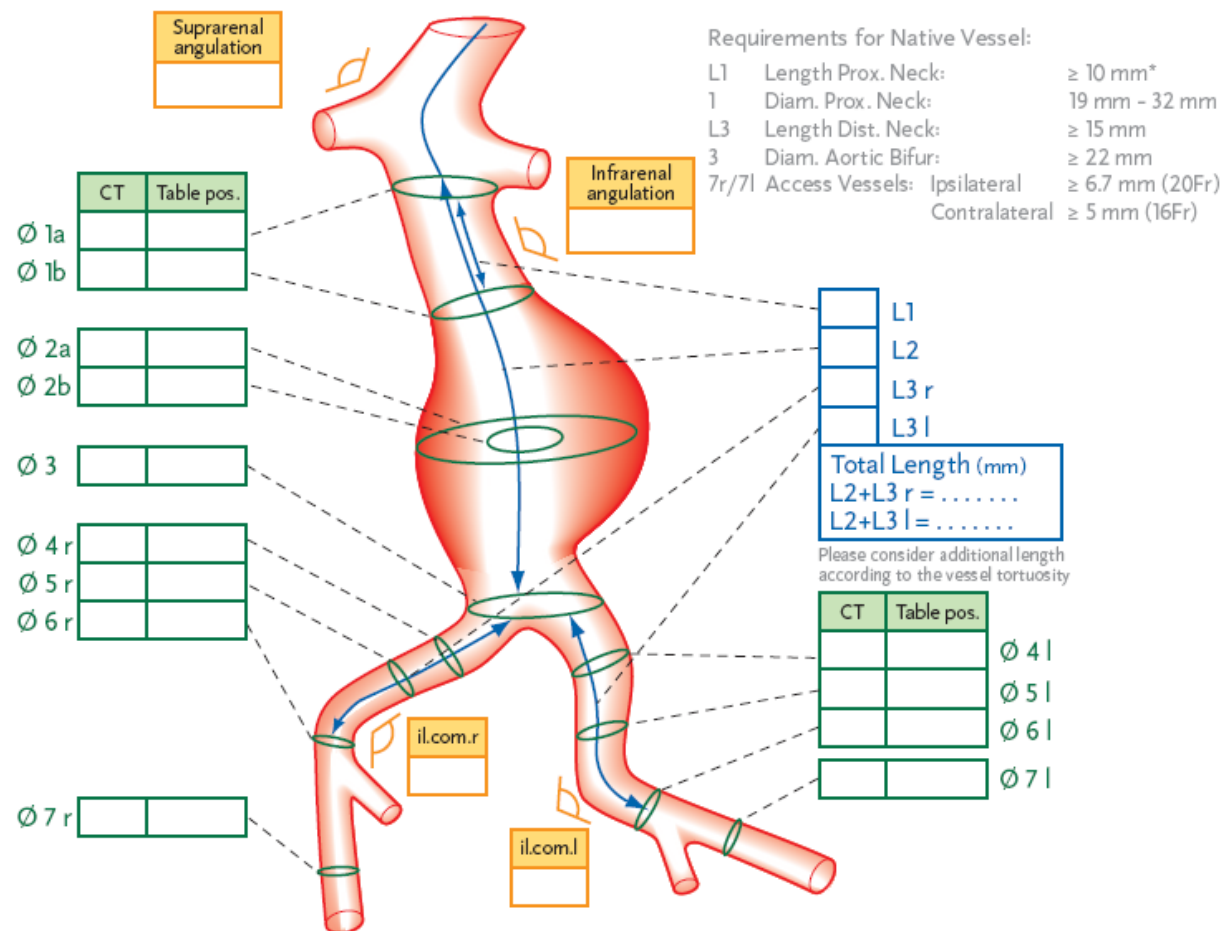
$\alpha$  Angle between the supraceliac aorta and the neck ( $>45^\circ$  and  $\leq 60^\circ$ )

$\beta$  Angle between the neck and aneurysm angle ( $>60^\circ$  and  $\leq 75^\circ$ )

L1 Length of the non-aneurysmal aortic neck (distance between D1a and D1b)  $\geq 1.5$  cm



# Abdominal Aorta Measurements



\*The Endurant AAA Stent Graft System is indicated in patients with a proximal aortic neck  $\geq 10 \text{ mm}$  in length with  $\leq 60^\circ$  infrarenal and  $\leq 45^\circ$  supraaortic angulation, and in patients with a proximal aortic necks  $\geq 15 \text{ mm}$  in length with  $\leq 75^\circ$  infrarenal and  $\leq 60^\circ$  supraaortic angulation.

# Stent Graft Over Sizing Guidelines

Mainbody: Bifurcated,  
Aorto-Uni-Iliac (AUI),  
Aortic Extension,  
Abdominal Tube

## Native Aortic Vessel Diameter

## Suggested Endurant Diameter

19-20 mm	23 mm
21-22 mm	25 mm
23-25 mm	28 mm
26-28 mm	32 mm
29-32 mm	36 mm

Limb: Ipsilateral Limb,  
Contralateral Limb, Iliac  
Extension

## Native Iliac Vessel Diameter

## Suggested Endurant Diameter

8-9 mm	10 mm
10-11 mm	13 mm
12-14 mm	16 mm
15-18 mm	20 mm
19-22 mm	24 mm
23-25 mm	28 mm





## Multiple Options for Patient Customization



NATURAL SELECTION



\*Measurements for 120mm length bifurcated stent graft. †Measurements for 23mm diameter bifurcated stent graft

# Endurant Product Code

			Proximal diameter (mm)		Distal diameter (mm)		Graft covered length (mm)	
EN	B	F	23	13	C	120	E	E
Product name		Proximal Design F – FreeFlo W – Open web		Distal Design C – Closed web		Region E – Europe & ROW		
		Device Configuration		Delivery System				
		B – Bifurcated		E – Endurant Delivery System				
		L – Contralateral iliac limb						
		E – Iliac Extension						
		C – Aortic Extension (Cuff)						
		T – Abdominal Tube						
		U – Aorto-uni-iliac						





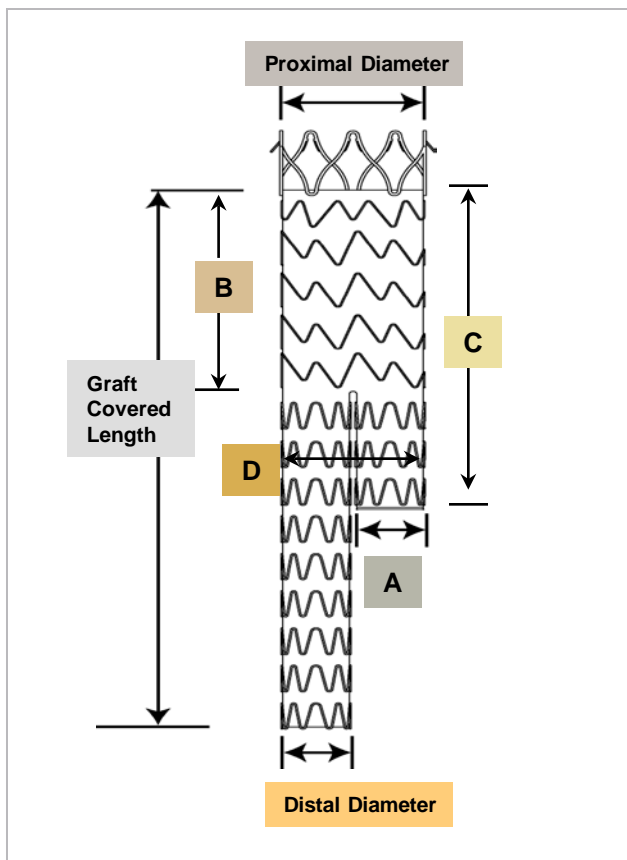
# Available Stent Graft Lengths

Configuration	Covered Length (Catalogue)	Covered Length (Manufactured)
Bifurcated	120mm, 145mm, 170mm	124mm, 145mm, 166mm
Contralateral Limb	80mm, 95mm, 120mm	82mm, 93mm, 124mm
Iliac Extension	80mm	82mm
Aortic Extension	45mm	49mm
Aorto-uni-iliac	105mm	102mm
Abdominal Tube	70mm	70mm

- Minimum overlapping required for extensions: 3 stents
- Recommendation: use central lumen line for length calculation; if not available, please plan for additional extensions.



# Stent Graft Dimension – Bifurcated – Straight Limb

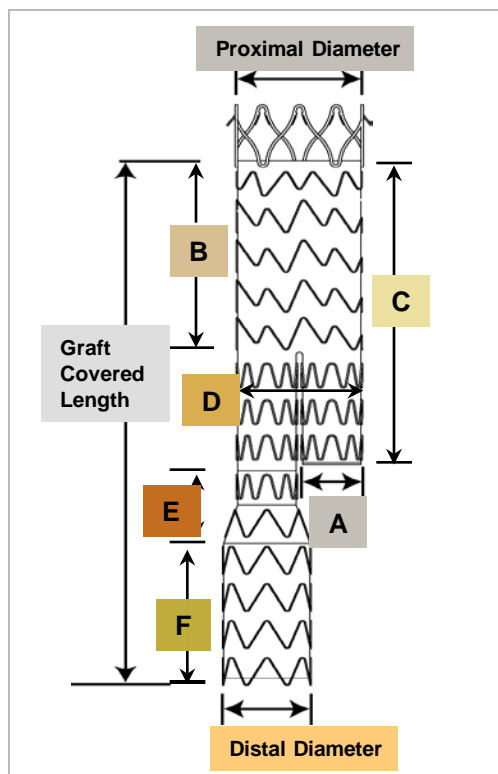


Proximal Diameter	Distal Diameter	Graft Covered Length	A	B	C	D
23	13	120	12	40	70	25
23	13	145	12	50	80	25
23	13	170	12	50	80	25
25	13	120	14	40	70	27
25	13	145	14	50	80	27
25	13	170	14	50	80	27
25	16	120	14	40	70	30
25	16	145	14	50	80	30
25	16	170	14	50	80	30
28	13	120	14	40	70	27
28	13	145	14	50	80	27
28	13	170	14	50	80	27
28	16	120	14	40	70	30
28	16	145	14	50	80	30
28	16	170	14	50	80	30
32	16	120	14	40	70	30
32	16	145	14	50	80	30
32	16	170	14	50	80	30
36	16	145	14	50	80	30
36	16	170	14	50	80	30

Measurements in mm



# Stent Graft Dimension – Bifurcated – Flared Limb



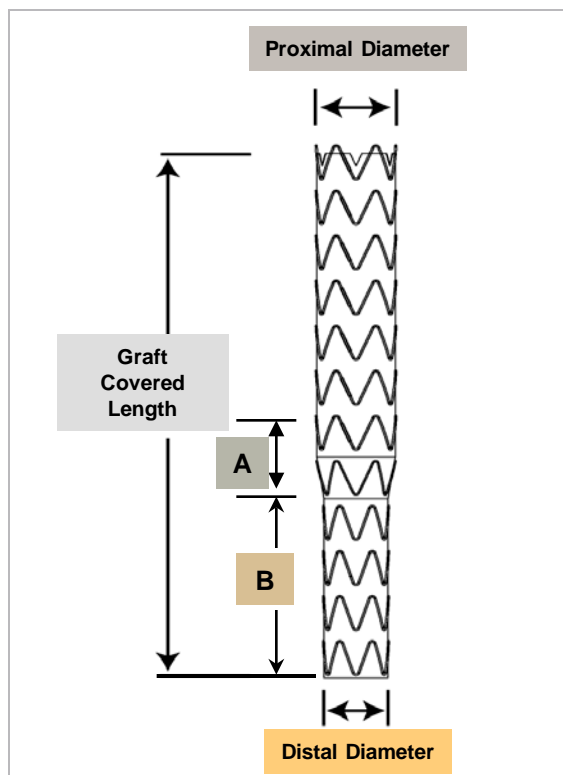
Proximal Diameter	Distal Diameter	Graft Covered Length	A	B	C	D	E	F
23	16	120	12	40	70	25	10	30
23	16	145	12	50	80	25	20	40
23	16	170	12	50	80	25	20	60
28	20	120	14	40	70	30	10	30
28	20	145	14	50	80	30	20	40
28	20	170	14	50	80	30	20	60
32	20	120	14	40	70	30	10	30
32	20	145	14	50	80	30	20	40
32	20	170	14	50	80	30	20	60
36	20	145	14	50	80	30	20	40
36	20	170	14	50	80	30	20	60

Measurements in mm





# Stent Graft Dimension - Contralateral Limbs - Tapered Limb

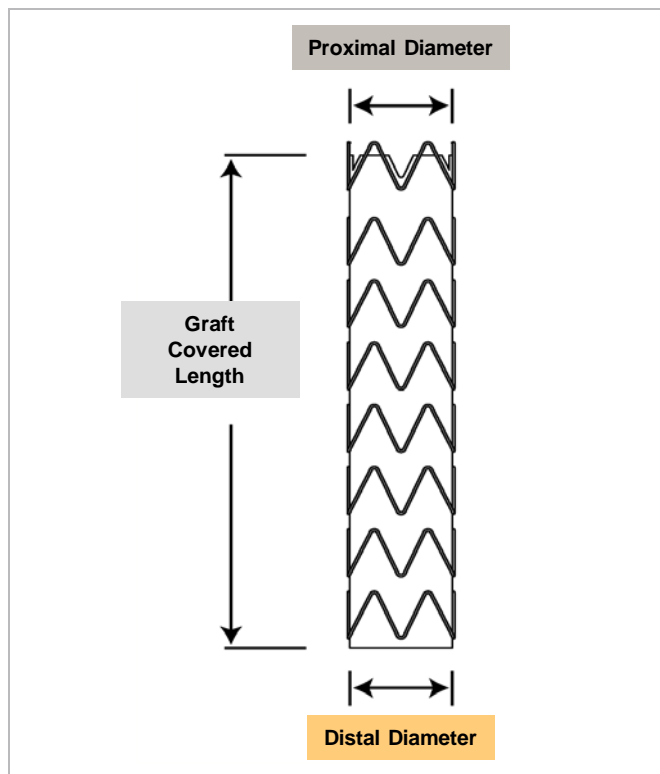


Proximal Diameter	Distal Diameter	Graft Covered Length	A	B
16	10	80	20	30
16	10	95	20	40
16	10	120	20	40
16	13	80	10	40
16	13	95	10	40
16	13	120	10	40

Measurements in mm



# Stent Graft Dimension - Contralateral Limbs - Straight Limb

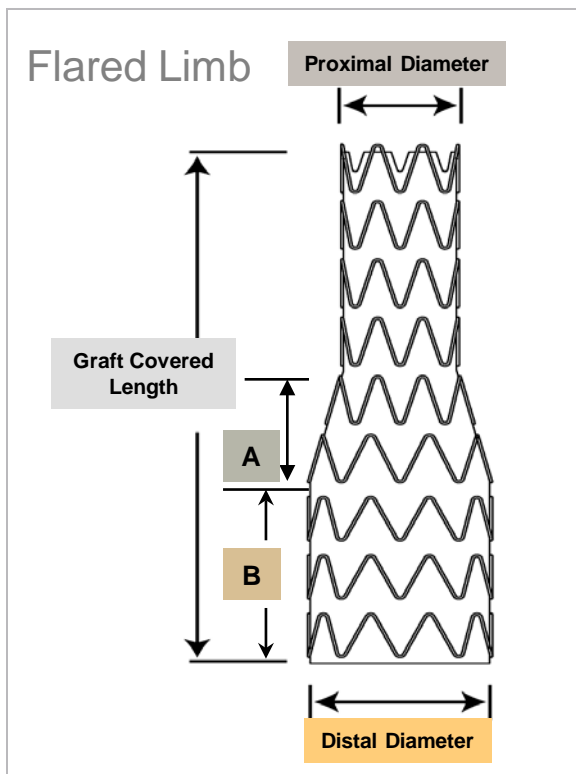


Proximal Diameter	Distal Diameter	Graft Covered Length
16	16	80
16	16	95
16	16	120

Measurements in mm



# Stent Graft Dimension - Contralateral Limbs - Flared Limb



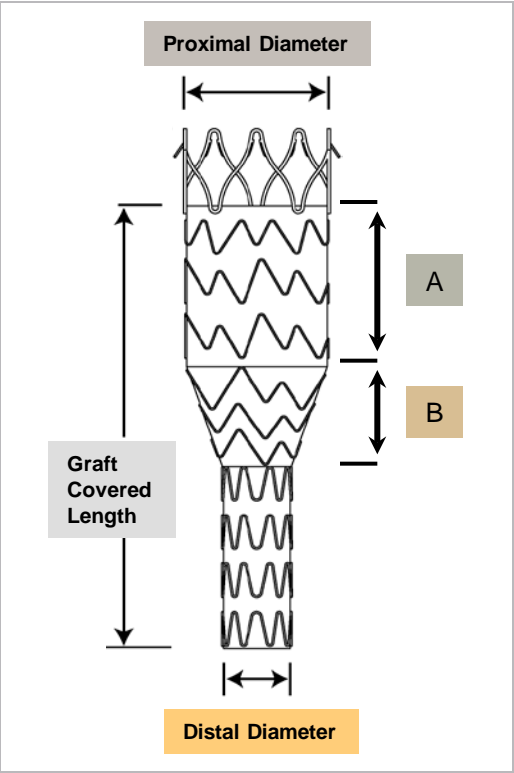
Proximal Diameter	Distal Diameter	Graft Covered Length	A	B
16	20	80	10	40
16	20	95	10	40
16	20	120	10	40
16	24	80	20	30
16	24	95	20	40
16	24	120	20	40
16	28	80	20	30
16	28	95	20	40
16	28	120	20	40

Measurements in mm





# Stent Graft Dimension - Aorto-Uni-Iliac



Proximal Diameter	Distal Diameter	Graft Covered Length	A	B
23	14	105	30	30
25	14	105	30	30
28	14	105	30	30
32	14	105	30	30
36	14	105	30	30

Measurements in mm

