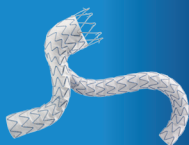


# GLOBAL AORTIC PRODUCT CATALOGUE

Endurant™ II/IIIs



Valiant™ Captivia™



Aptus™ Heli-FX™  
EndoAnchor™ System



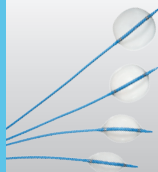
TourGuide™



Sentrant™



Reliant™



Endurant™ II/IIc



Endurant™



Talent™ Occluder



Valiant™  
Captivia™



Aptus™ Heli-FX™



TourGuide™



Sentrant™



Reliant™



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# Endurant™ II/IIIs

AAA Stent Graft System

## FEATURES\*

### Endurant™ II/IIIs Expands Anatomical Customization Options

- A three-piece system that leverages the proven design of the Endurant™ II abdominal stent graft
- Enables in-situ sizing with select ipsilateral limbs, allowing a 3-5 stent overlap for adjustment during case
- Allows easier pre-case planning to simplify sizing

### Low Profile and Easy Access

- Low profile and hydrophilic coating enhance access and trackability
- Flexible, kink-resistant delivery system facilitates stent graft delivery

### Complete Conformability, Optimal Seal

- M-shaped proximal stents provide wall apposition and minimize infolding for a short sealing zone in the infrarenal aorta
- Laser cut suprarenal stent anchor pins provides secure fixation to mitigate migration
- Spacing between limb stents optimized to conform to anatomy to reduce kinking

### Total Control Provides Consistent Precision

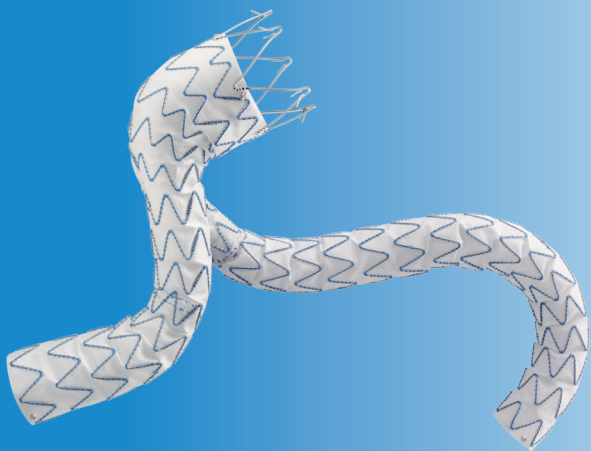
- Tip capture mechanism allows for precise positioning and intraoperative adjustments
- Backend thumb wheel provides controlled release of the suprarenal stent and anchor pins
- Improved radiopacity provides increased visibility†
- Four proximal markers assist in accurate deployment
- e-shaped marker assists with A/P orientation

### Durable Design, Dependable Performance

- Ultra-high molecular weight polyethylene sutures are three times stronger than surgical sutures
- High-density multifilament polyester graft material provides low porosity
- Electropolished nitinol stents improve fatigue resistance

\* Test data on file at Medtronic. Bench test results may not be indicative of clinical performance.

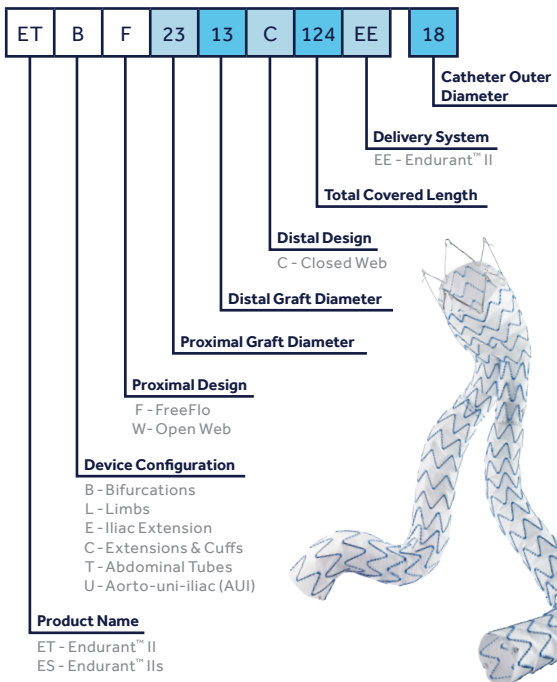
† Contralateral gate marker.



# Endurant™ II/IIs

AAA Stent Graft System

## ENDURANT™ II/IIs PRODUCT CODE DESCRIPTION



## ENDURANT™ IIs BIFURCATIONS

	Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ESBF	23	14	C	103	EE	18
ESBF	25	14	C	103	EE	18
ESBF	28	14	C	103	EE	18
ESBF	32	14	C	103	EE	20
ESBF	36	14	C	103	EE	20



## ENDURANT™ II BIFURCATIONS

Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETBF	23	13	C	124	EE	18
ETBF	23	13	C	145	EE	18
ETBF	23	13	C	166	EE	18
ETBF	23	16	C	124	EE	18
ETBF	23	16	C	145	EE	18
ETBF	23	16	C	166	EE	18
ETBF	25	13	C	124	EE	18
ETBF	25	13	C	145	EE	18
ETBF	25	13	C	166	EE	18
ETBF	25	16	C	124	EE	18
ETBF	25	16	C	145	EE	18
ETBF	25	16	C	166	EE	18
ETBF	28	13	C	124	EE	18
ETBF	28	13	C	145	EE	18
ETBF	28	13	C	166	EE	18
ETBF	28	16	C	124	EE	18
ETBF	28	16	C	145	EE	18
ETBF	28	16	C	166	EE	18
ETBF	28	20	C	124	EE	18
ETBF	28	20	C	145	EE	18
ETBF	28	20	C	166	EE	18
ETBF	32	16	C	124	EE	20
ETBF	32	16	C	145	EE	20
ETBF	32	16	C	166	EE	20
ETBF	32	20	C	124	EE	20
ETBF	32	20	C	145	EE	20
ETBF	32	20	C	166	EE	20
ETBF	36	16	C	145	EE	20
ETBF	36	16	C	166	EE	20
ETBF	36	20	C	145	EE	20
ETBF	36	20	C	166	EE	20

# Endurant™ II/IIs

## AAA Stent Graft System

### LIMBS\*

Product Code								
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)	Total Contralateral Covered Length with Ell/Ells Bifurcated†	Total Ipsilateral Covered Length with Ells Bifurcated‡
ETLW	16	10	C	82	EE	14	136	155
ETLW	16	10	C	93	EE	14	147	166
ETLW	16	10	C	124	EE	14	178	177–197
ETLW	16	10	C	156	EE	16	210	209–229
ETLW	16	10	C	199	EE	16	253	252–272
ETLW	16	13	C	82	EE	14	136	155
ETLW	16	13	C	93	EE	14	147	166
ETLW	16	13	C	124	EE	14	178	177–197
ETLW	16	13	C	156	EE	16	210	209–229
ETLW	16	13	C	199	EE	16	253	252–272
ETLW	16	16	C	82	EE	14	136	135–155
ETLW	16	16	C	93	EE	14	147	146–166
ETLW	16	16	C	124	EE	14	178	177–197
ETLW	16	16	C	156	EE	16	210	209–229
ETLW	16	16	C	199	EE	16	253	252–272
ETLW	16	20	C	82	EE	16	136	155
ETLW	16	20	C	93	EE	16	147	166
ETLW	16	20	C	124	EE	16	178	177–197
ETLW	16	20	C	156	EE	16	210	209–229
ETLW	16	20	C	199	EE	16	253	252–272
ETLW	16	24	C	82	EE	16	136	155
ETLW	16	24	C	93	EE	16	147	166
ETLW	16	24	C	124	EE	16	178	177–197
ETLW	16	24	C	156	EE	16	210	209–229
ETLW	16	24	C	199	EE	16	253	252–272
ETLW	16	28	C	82	EE	16	136	155
ETLW	16	28	C	93	EE	16	147	166
ETLW	16	28	C	124	EE	16	178	177–197
ETLW	16	28	C	156	EE	16	210	209–229
ETLW	16	28	C	199	EE	16	253	252–272

\*The limb mates with the AUI stent graft on the ipsilateral side.

†These calculations assume the minimum 30 mm overlap between the bifurcated stent graft and the contralateral iliac limb per the Endurant™ II Stent Graft System *Instructions for Use*. When using the 124 mm length bifurcated stent graft, subtract 10 mm from Total Contralateral Covered Length with Bifurcated.

‡The 3-5 stent overlap is available only with select limbs. Please refer to the *Instructions for Use* for more information.





## ILIAC EXTENSIONS

Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETEW	10	10	C	82	EE	14
ETEW	13	13	C	82	EE	14
ETEW	20	20	C	82	EE	16
ETEW	24	24	C	82	EE	16
ETEW	28	28	C	82	EE	18

## AORTIC EXTENSIONS

Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETCF	23	23	C	49	EE	18
ETCF	25	25	C	49	EE	18
ETCF	28	28	C	49	EE	18
ETCF	32	32	C	49	EE	20
ETCF	36	36	C	49	EE	20

## ABDOMINAL TUBES

Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETTF	23	23	C	70	EE	18
ETTF	25	25	C	70	EE	18
ETTF	28	28	C	70	EE	18
ETTF	32	32	C	70	EE	20
ETTF	36	36	C	70	EE	20

## AUI

Product Code						
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Catheter Outer Diameter (F)
ETUF	23	14	C	102	EE	18
ETUF	25	14	C	102	EE	18
ETUF	28	14	C	102	EE	18
ETUF	32	14	C	102	EE	20
ETUF	36	14	C	102	EE	20

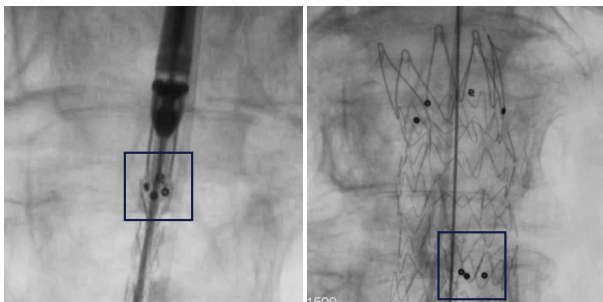
# Endurant™ II/IIIs

## AAA Stent Graft System

### PLACEMENT AND SIZING GUIDELINES

Use the proximal radiopaque markers to position the top edge of the graft material.

#### e-SHAPED MARKER ASSISTS WITH A/P ORIENTATION



RADIOPAQUE MARKERS

**For the contralateral side:** The radiopaque markers at the proximal limb should be aligned with the radiopaque markers at the flow divider of the Endurant™ II or Endurant™ IIIs bifurs.

**For the ipsilateral side:** Depending on the limb configuration used, the radiopaque markers at the proximal end of the limb should be aligned to the distal radiopaque marker on the ipsilateral leg or the flow divider marker of the Endurant™ IIIs bifur. Select limbs will allow a 3-5 stent overlap adjustment during the case. Please refer to the *Instructions for Use* for more information as needed.



Each Endurant™ II/Endurant™ IIs AAA stent graft must be ordered in a size that is appropriate to fit the patient's anatomy. Proper sizing of the Endurant™ II/Endurant™ IIs AAA stent graft is the responsibility of the physician. The following suggestions for stent graft diameters are based on vessel inner wall measurements.

## BIFURCATIONS, AUI AND AORTIC EXTENSIONS

Native Vessel (mm)		Recommended Endurant™ II Diameter (mm)
Standard EVAR*	ChEVAR†	
19–20	n/a	23
21–22	19–20	25
23–25	21–23	28
26–28	24–26	32
29–32	27–30	36

## ILIAC EXTENSIONS

Native Vessel (mm)	Recommended Endurant™ II Diameter (mm)
8–9	10
10–11	13
15–18	20
19–22	24
23–25	28

## LIMBS

Native Vessel (mm)	Recommended Endurant™ II Diameter (mm)
8–9	10
10–11	13
12–14	16
15–18	20
19–22	24
23–25	28

\* EVAR: Bifurs, Cuff, AUI, Tube Configuration

† ChEVAR Indication not approved globally. Check local regulatory status.

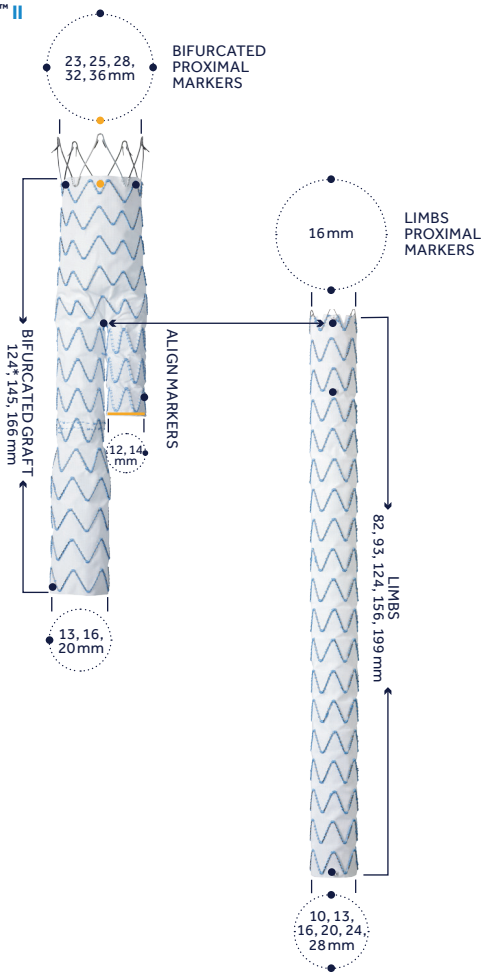
For complete product information visit [www.medtronic.com/manuals](http://www.medtronic.com/manuals). Consult instructions for use at this website. Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat® Reader with the browser.

# Endurant™ II/IIs

AAA Stent Graft System

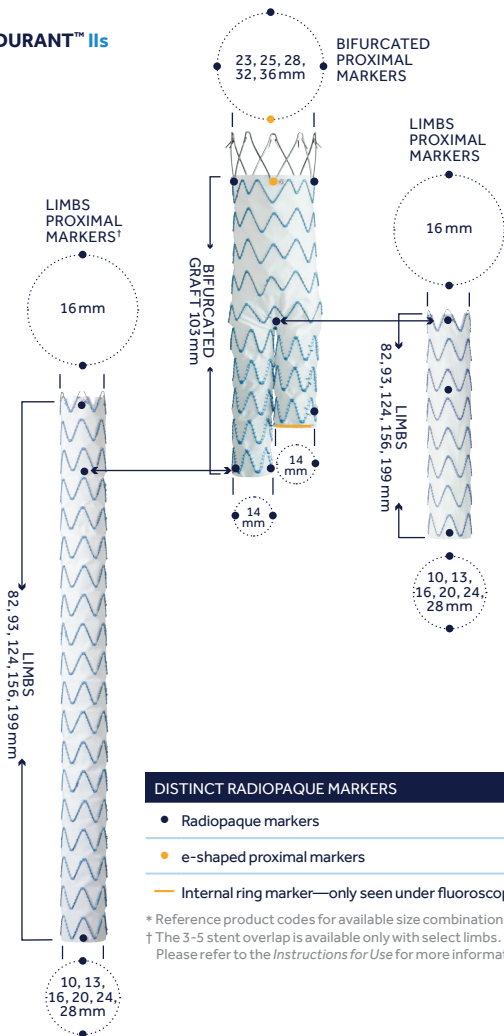
## COMPONENT PLACEMENT GUIDE\*

### ENDURANT™ II





## ENDURANT™ IIs



### DISTINCT RADIOPAQUE MARKERS

- Radiopaque markers
- e-shaped proximal markers
- Internal ring marker—only seen under fluoroscopy

\* Reference product codes for available size combinations.

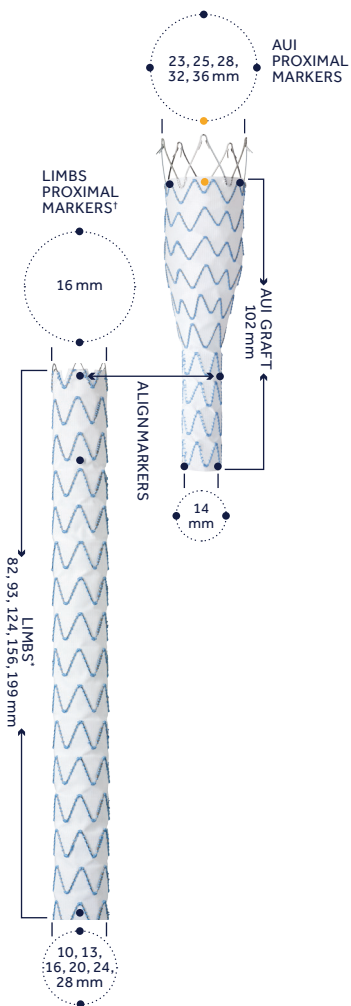
† The 3-5 stent overlap is available only with select limbs.

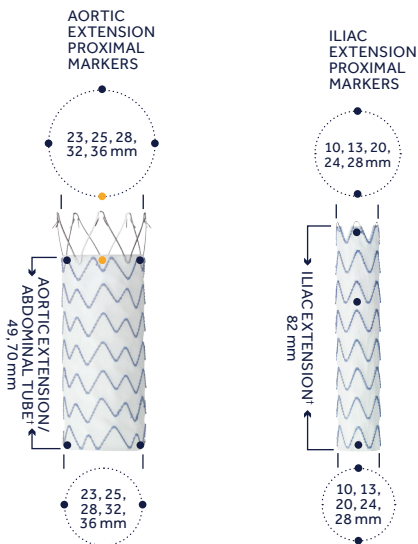
Please refer to the *Instructions for Use* for more information.

# Endurant™ II/IIs

AAA Stent Graft System

## COMPONENT PLACEMENT GUIDE





#### DISTINCT RADIOPAQUE MARKERS

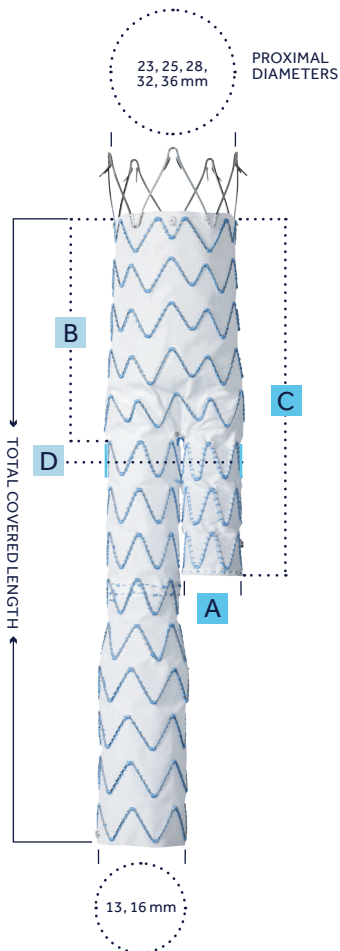
- Radiopaque markers
- e-shaped proximal markers

\* The limb mates with the AUI stent graft on the ipsilateral side.

† Requires minimum 3 stent overlap. See *Instructions for Use* for more information.

# Endurant™ II/IIs

AAA Stent Graft System



**ENDURANT™ II BIFURCATIONS—STRAIGHT LIMBS**



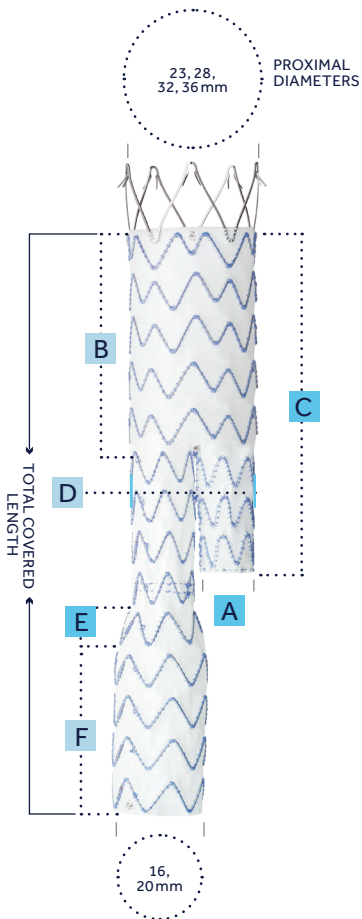


## ENDURANT™ II BIFURCATIONS—STRAIGHT LIMBS

Product Code										
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Graft Dimensions (mm)				
						A	B	C	D	
ETBF	23	13	C	124	EE	12	40	74	25	
ETBF	23	13	C	145	EE	12	50	84	25	
ETBF	23	13	C	166	EE	12	50	84	25	
ETBF	25	13	C	124	EE	14	40	74	27	
ETBF	25	13	C	145	EE	14	50	84	27	
ETBF	25	13	C	166	EE	14	50	84	27	
ETBF	25	16	C	124	EE	14	40	74	30	
ETBF	25	16	C	145	EE	14	50	84	30	
ETBF	25	16	C	166	EE	14	50	84	30	
ETBF	28	13	C	124	EE	14	40	74	27	
ETBF	28	13	C	145	EE	14	50	84	27	
ETBF	28	13	C	166	EE	14	50	84	27	
ETBF	28	16	C	124	EE	14	40	74	30	
ETBF	28	16	C	145	EE	14	50	84	30	
ETBF	28	16	C	166	EE	14	50	84	30	
ETBF	32	16	C	124	EE	14	40	74	30	
ETBF	32	16	C	145	EE	14	50	84	30	
ETBF	32	16	C	166	EE	14	50	84	30	
ETBF	36	16	C	145	EE	14	50	84	30	
ETBF	36	16	C	166	EE	14	50	84	30	

# Endurant™ II/IIs

AAA Stent Graft System



**ENDURANT™ II BIFURCATIONS-FLARED LIMBS**

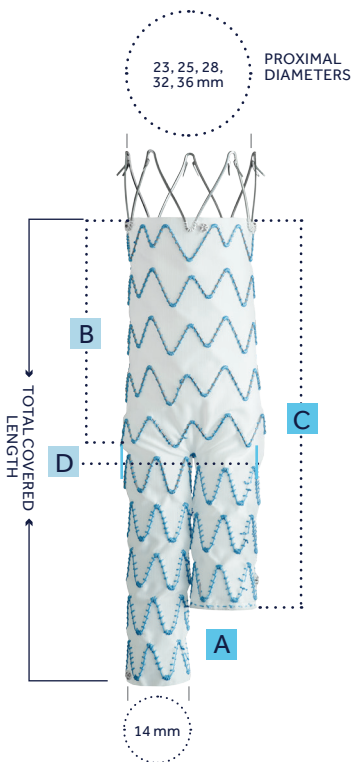


## ENDURANT™ II BIFURCATIONS—FLARED LIMBS

Product Code											
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Graft Dimensions (mm)					
						A	B	C	D	E	F
ETBF	23	16	C	124	EE	12	40	74	25	10	30
ETBF	23	16	C	145	EE	12	50	84	25	10	40
ETBF	23	16	C	166	EE	12	50	84	25	10	60
ETBF	28	20	C	124	EE	14	40	74	30	10	30
ETBF	28	20	C	145	EE	14	50	84	30	10	40
ETBF	28	20	C	166	EE	14	50	84	30	10	60
ETBF	32	20	C	124	EE	14	40	74	30	10	30
ETBF	32	20	C	145	EE	14	50	84	30	10	40
ETBF	32	20	C	166	EE	14	50	84	30	10	60
ETBF	36	20	C	145	EE	14	50	84	30	10	40
ETBF	36	20	C	166	EE	14	50	84	30	10	60

# Endurant™ II/IIs

AAA Stent Graft System



ENDURANT™ II<sub>s</sub> BIFURCATIONS



## ENDURANT™ IIs BIFURCATIONS

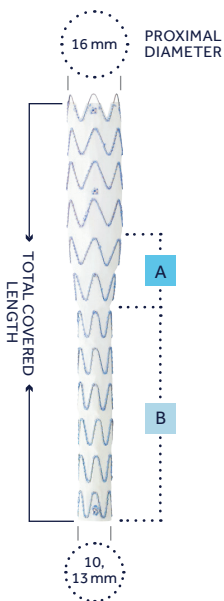
	Product Code					Graft Dimensions (mm)			
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	A	B	C	D
	ESBF	23	14	C	103	EE	14	50	84
ESBF	25	14	C	103	EE	14	50	84	28
ESBF	28	14	C	103	EE	14	50	84	28
ESBF	32	14	C	103	EE	14	50	84	28
ESBF	36	14	C	103	EE	14	50	84	28

# Endurant™ II/IIs

## AAA Stent Graft System

### TAPERED LIMBS

	Product Code					Graft Dimensions (mm)	
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	A	B
	ETLW	16	10	C	82	EE	20
ETLW	16	10	C	93	EE	20	40
ETLW	16	10	C	124	EE	20	40
ETLW	16	10	C	156	EE	20	72
ETLW	16	10	C	199	EE	20	115
ETLW	16	13	C	82	EE	10	30
ETLW	16	13	C	93	EE	10	40
ETLW	16	13	C	124	EE	10	40
ETLW	16	13	C	156	EE	10	72
ETLW	16	13	C	199	EE	10	115

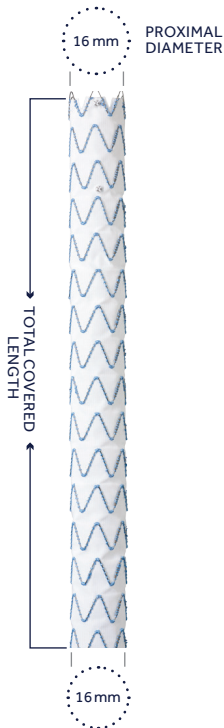


### TAPERED LIMBS



## STRAIGHT LIMBS

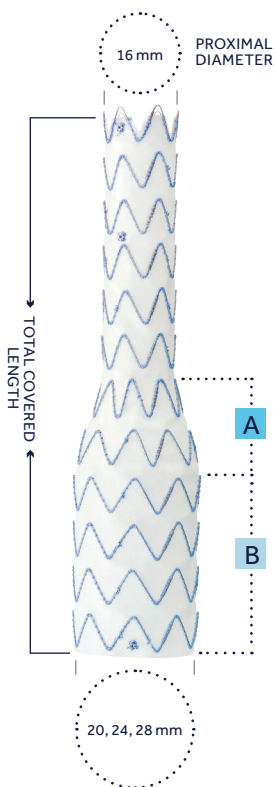
Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System
ETLW	16	16	C	82	EE
ETLW	16	16	C	93	EE
ETLW	16	16	C	124	EE
ETLW	16	16	C	156	EE
ETLW	16	16	C	199	EE



## STRAIGHT LIMBS

# Endurant™ II/IIIs

AAA Stent Graft System



**FLARED LIMBS**





## FLARED LIMBS

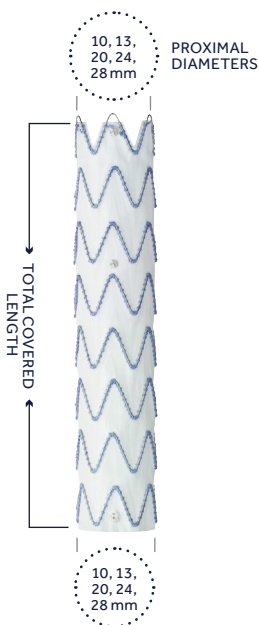
Product Code							
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	Graft Dimensions (mm)	
						A	B
ETLW	16	20	C	82	EE	10	30
ETLW	16	20	C	93	EE	10	40
ETLW	16	20	C	124	EE	10	40
ETLW	16	20	C	156	EE	10	40
ETLW	16	20	C	199	EE	10	40
ETLW	16	24	C	82	EE	20	30
ETLW	16	24	C	93	EE	20	40
ETLW	16	24	C	124	EE	20	40
ETLW	16	24	C	156	EE	20	40
ETLW	16	24	C	199	EE	20	40
ETLW	16	28	C	82	EE	20	30
ETLW	16	28	C	93	EE	20	40
ETLW	16	28	C	124	EE	20	40
ETLW	16	28	C	156	EE	20	40
ETLW	16	28	C	199	EE	20	40

# Endurant™ II/IIIs

AAA Stent Graft System

## ILIAC EXTENSIONS

Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System
ETEW	10	10	C	82	EE
ETEW	13	13	C	82	EE
ETEW	20	20	C	82	EE
ETEW	24	24	C	82	EE
ETEW	28	28	C	82	EE

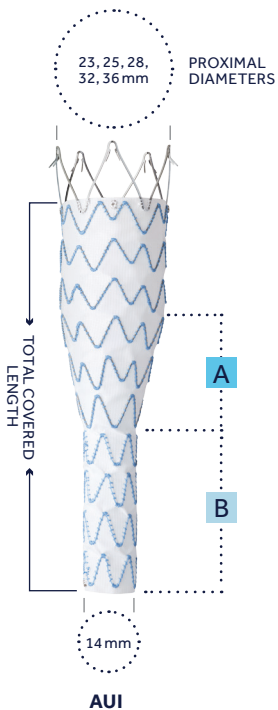


ILIAC EXTENSIONS



## AUI

	Product Code					Graft Dimensions (mm)	
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System	A	B
	ETUF	23	14	C	102	EE	30
ETUF	25	14	C	102	EE	30	40
ETUF	28	14	C	102	EE	30	40
ETUF	32	14	C	102	EE	30	40
ETUF	36	14	C	102	EE	30	40

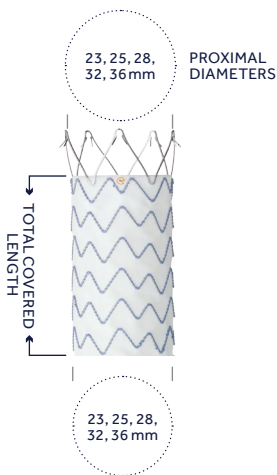


# Endurant™ II/IIs

AAA Stent Graft System

## AORTIC EXTENSIONS

Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System
ETCF	23	23	C	49	EE
ETCF	25	25	C	49	EE
ETCF	28	28	C	49	EE
ETCF	32	32	C	49	EE
ETCF	36	36	C	49	EE

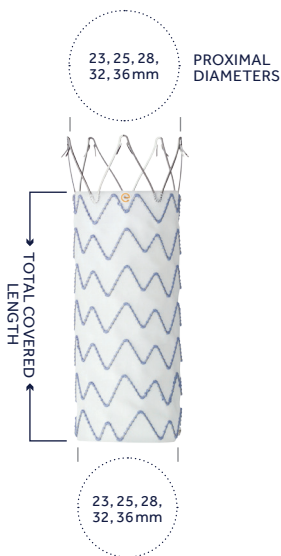


## AORTIC EXTENSIONS



## ABDOMINAL TUBES

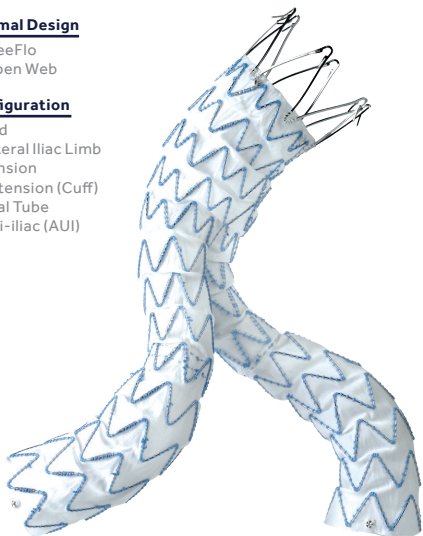
Product Code					
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Total Covered Length (mm)	Delivery System
ETTF	23	23	C	70	EE
ETTF	25	25	C	70	EE
ETTF	28	28	C	70	EE
ETTF	32	32	C	70	EE
ETTF	36	36	C	70	EE



## ABDOMINAL TUBES

### ENDURANT™ PRODUCT CODE DESCRIPTION

EN	B	F	23	13	C	120	EE	124	18
<b>Product Name</b> EN - Endurant™									
<b>Device Configuration</b> B - Bifurcated L - Contralateral Iliac Limb E - Iliac Extension C - Aortic Extension (Cuff) T - Abdominal Tube U - Aorto-uni-iliac (AUI)									
<b>Proximal Design</b> F - FreeFlo W - Open Web									
<b>Proximal Graft Diameter</b>									
<b>Distal Graft Diameter</b>									
<b>Distal Design</b> C - Closed Web									
<b>Nominal Stent Graft Covered Length</b>									
<b>Delivery System</b> EE - Endurant™									
<b>Total Covered Length</b>									
<b>Catheter Outer Diameter</b>									





## BIFURCATIONS

Product Code							
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design		Delivery System	Total Covered Length (mm)	Catheter Outer Diameter (F)
ENBF	23	13	C	120	EE	124	18
ENBF	23	13	C	145	EE	145	18
ENBF	23	13	C	170	EE	166	18
ENBF	23	16	C	120	EE	124	18
ENBF	23	16	C	145	EE	145	18
ENBF	23	16	C	170	EE	166	18
ENBF	25	13	C	120	EE	124	18
ENBF	25	13	C	145	EE	145	18
ENBF	25	13	C	170	EE	166	18
ENBF	25	16	C	120	EE	124	18
ENBF	25	16	C	145	EE	145	18
ENBF	25	16	C	170	EE	166	18
ENBF	28	13	C	120	EE	124	20
ENBF	28	13	C	145	EE	145	20
ENBF	28	13	C	170	EE	166	20
ENBF	28	16	C	120	EE	124	20
ENBF	28	16	C	145	EE	145	20
ENBF	28	16	C	170	EE	166	20
ENBF	28	20	C	120	EE	124	20
ENBF	28	20	C	145	EE	145	20
ENBF	28	20	C	170	EE	166	20
ENBF	32	16	C	120	EE	124	20
ENBF	32	16	C	145	EE	145	20
ENBF	32	16	C	170	EE	166	20
ENBF	32	20	C	120	EE	124	20
ENBF	32	20	C	145	EE	145	20
ENBF	32	20	C	170	EE	166	20
ENBF	36	16	C	145	EE	145	20
ENBF	36	16	C	170	EE	166	20
ENBF	36	20	C	145	EE	145	20
ENBF	36	20	C	170	EE	166	20

### CONTRALATERAL ILIAC LIMBS

Product Code						Total Covered Length (mm)	Catheter Outer Diameter (F)	Total Contralateral Covered Length with Bifurcated*
Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design		Delivery System				
ENLW	16	10	C	80	EE	82	14	132
ENLW	16	10	C	95	EE	93	14	143
ENLW	16	10	C	120	EE	124	14	174
ENLW	16	13	C	80	EE	82	14	132
ENLW	16	13	C	95	EE	93	14	143
ENLW	16	13	C	120	EE	124	14	174
ENLW	16	16	C	80	EE	82	14	132
ENLW	16	16	C	95	EE	93	14	143
ENLW	16	16	C	120	EE	124	14	174
ENLW	16	20	C	80	EE	82	16	132
ENLW	16	20	C	95	EE	93	16	143
ENLW	16	20	C	120	EE	124	16	174
ENLW	16	24	C	80	EE	82	16	132
ENLW	16	24	C	95	EE	93	16	143
ENLW	16	24	C	120	EE	124	16	174
ENLW	16	28	C	80	EE	82	16	132
ENLW	16	28	C	95	EE	93	16	143
ENLW	16	28	C	120	EE	124	16	174

\* Subtract total contralateral covered length of bifurcated by 10 mm when using the 120 mm length bifurcated stent graft.

### ILIAC EXTENSIONS

Product Code						Total Covered Length (mm)	Catheter Outer Diameter (F)
Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design		Delivery System			
ENEW	10	10	C	80	EE	82	14
ENEW	13	13	C	80	EE	82	14
ENEW	20	20	C	80	EE	82	16
ENEW	24	24	C	80	EE	82	16
ENEW	28	28	C	80	EE	82	18





## AORTIC EXTENSIONS

Product Code							
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design		Delivery System	Total Covered Length (mm)	Catheter Outer Diameter (F)
ENCF	23	23	C	45	EE	49	18
ENCF	25	25	C	45	EE	49	18
ENCF	28	28	C	45	EE	49	20
ENCF	32	32	C	45	EE	49	20
ENCF	36	36	C	45	EE	49	20

## ABDOMINAL TUBES

Product Code							
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design		Delivery System	Total Covered Length (mm)	Catheter Outer Diameter (F)
ENTF	23	23	C	70	EE	70	18
ENTF	25	25	C	70	EE	70	18
ENTF	28	28	C	70	EE	70	20
ENTF	32	32	C	70	EE	70	20
ENTF	36	36	C	70	EE	70	20

## AUI

Product Code							
	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design		Delivery System	Total Covered Length (mm)	Catheter Outer Diameter (F)
ENUF	23	14	C	105	EE	102	18
ENUF	25	14	C	105	EE	102	18
ENUF	28	14	C	105	EE	102	20
ENUF	32	14	C	105	EE	102	20
ENUF	36	14	C	105	EE	102	20

# Talent™ Occluder

with Occluder Delivery System

## FEATURES

Double spring configuration securely anchors in the iliac artery to seal the lumen and to prevent retrograde blood flow.

## COMPONENT PLACEMENT GUIDE

### PRODUCT CODE DESCRIPTION

OCL	8	31	17.5
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**Device Configuration**

OCL - Occluder

**Proximal / Distal Diameter**

**Total Length**

**Catheter Diameter**



- Radiopaque markers



## TALENT OCCLUDER

Product Code			
	Proximal/ Distal Diameter (mm)	Total Length (mm)	Catheter Diameter (F)
OCL	8	31	17.5
OCL	10	31	17.5
OCL	12	31	17.5
OCL	14	33	17.5
OCL	16	33	17.5
OCL	18	33	17.5
OCL	20	35	17.5
OCL	22	35	17.5
OCL	24	35	17.5

## OCCLUDER SYSTEM COMPONENT

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
19–20	24	4–5
18	22	4
16–17	20	3–4
14–15	18	3–4
13	16	3
11–12	14	2–3
9–10	12	2–3
7–8	10	2–3
6	8	2

## FEATURES

### Conformability Delivered

- Sinusoidal shape and placement of nitinol springs provide flexibility and conformability
- Super-elastic nitinol springs exert active radial force to enhance seal and conformability

### Confidence in Control

- Tip capture provides controlled deployment and precise placement in the thoracic aorta
- Tip capture release handle provides simple turn-and-pull motion to release proximal stents

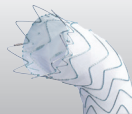
### Advanced Design\*

- Proximal 8-Peak FreeFlo configuration evenly distributes radial force over multiple apices
- Platinum iridium Figur8 markers provide high visibility and assist deployment
- Broad selection of proximal and distal components treats a variety of patients

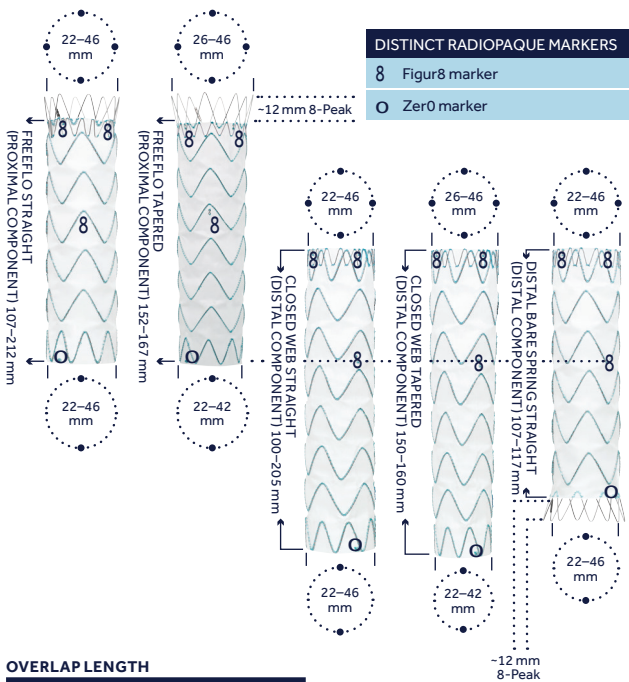
### Optimised Access

- Crossing profile is similar to or lower than other thoracic stent grafts
- Hydrophilic coating facilitates stent graft delivery
- Easy three-step deployment process

\* Test data on file at Medtronic. Bench test results may not be indicative of clinical performance.



## COMPONENT PLACEMENT GUIDE



### OVERLAP LENGTH

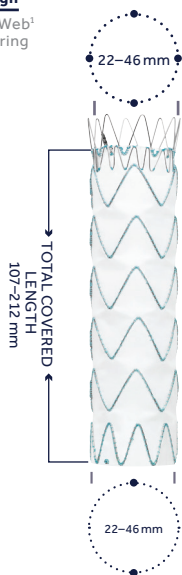
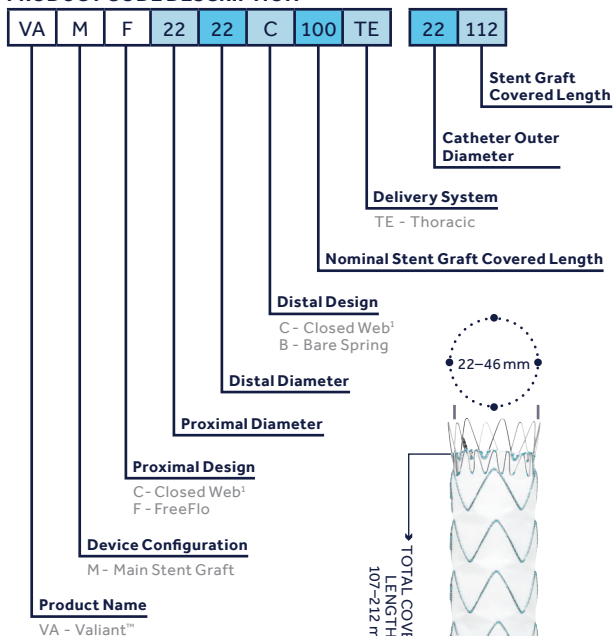
Proximal Diameter of Stent Graft (mm)	Overlap Length (mm)
22	50
24	50
26	50
28	55
30	55
32	55
34	55
36	60
38	60
40	60
42	60
44	65
46	65

Overlap lengths may vary by  $\pm 5$  mm

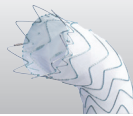
# Valiant™ Captivia™

Thoracic Stent Graft Delivery System

## VALIANT™ CAPTIVIA™ PRODUCT CODE DESCRIPTION



1. Proximal end of closed web also includes a mini support spring, while the distal end does not have a mini support spring.



## PROXIMAL FREEFLO STRAIGHT

Product Code						Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMF	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Length (mm)	TE		
VAMF	22	22	C	100	TE	22	112
VAMF	24	24	C	100	TE	22	112
VAMF	26	26	C	100	TE	22	112
VAMF	28	28	C	100	TE	22	117
VAMF	30	30	C	100	TE	22	117
VAMF	32	32	C	100	TE	22	117
VAMF	34	34	C	100	TE	24	107
VAMF	36	36	C	100	TE	24	107
VAMF	38	38	C	100	TE	24	107
VAMF	40	40	C	100	TE	24	107
VAMF	42	42	C	100	TE	25	112
VAMF	44	44	C	100	TE	25	112
VAMF	46	46	C	100	TE	25	112
VAMF	22	22	C	150	TE	22	152
VAMF	24	24	C	150	TE	22	152
VAMF	26	26	C	150	TE	22	152
VAMF	28	28	C	150	TE	22	157
VAMF	30	30	C	150	TE	22	157
VAMF	32	32	C	150	TE	22	157
VAMF	34	34	C	150	TE	24	167
VAMF	36	36	C	150	TE	24	167
VAMF	38	38	C	150	TE	24	167
VAMF	40	40	C	150	TE	24	167
VAMF	42	42	C	150	TE	25	157
VAMF	44	44	C	150	TE	25	157
VAMF	46	46	C	150	TE	25	162
VAMF	30	30	C	200	TE	22	192
VAMF	32	32	C	200	TE	22	192
VAMF	34	34	C	200	TE	24	212
VAMF	36	36	C	200	TE	24	207
VAMF	38	38	C	200	TE	24	207
VAMF	40	40	C	200	TE	24	212
VAMF	42	42	C	200	TE	25	207
VAMF	44	44	C	200	TE	25	212
VAMF	46	46	C	200	TE	25	212

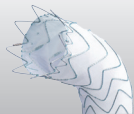
# Valiant™ Captivia™

Thoracic Stent Graft Delivery System



**PROXIMAL FREEFLO  
TAPERED**





## PROXIMAL FREEFLO TAPERED

Product Code						Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMF	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Length (mm)	TE		
VAMF	26	22	C	150	TE	22	152
VAMF	28	24	C	150	TE	22	157
VAMF	30	26	C	150	TE	22	157
VAMF	32	28	C	150	TE	22	157
VAMF	34	30	C	150	TE	24	167
VAMF	36	32	C	150	TE	24	167
VAMF	38	34	C	150	TE	24	167
VAMF	40	36	C	150	TE	24	167
VAMF	42	38	C	150	TE	25	157
VAMF	44	40	C	150	TE	25	157
VAMF	46	42	C	150	TE	25	162

# Valiant™ Captivia™

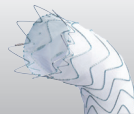
Thoracic Stent Graft Delivery System

Each Valiant™ Thoracic Stent Graft device must be ordered in a size appropriate to fit the patient's anatomy. Proper sizing of the Valiant™ Thoracic Stent Graft is the responsibility of the physician.

## **Aneurysms, Penetrating Ulcers and Traumatic Ruptures:**

Oversize the aortic portion of the stent graft by 3 to 5 mm, as appropriate for the patient. The following table is provided as a guideline:

Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
18	22	4
19	22	3
20	24	4
21	24	3
22	26	4
23	26	3
24	28	4
25	28	3
25	30	5
26	30	4
27	30	3
27	32	5
28	32	4
29	32	3
29	34	5
30	34	4
31	34	3
31	36	5
32	36	4
33	38	5
34	38	4
35	40	5
36	40	4
37	42	5
38	42	4
39	44	5
40	44	4
41	46	5
42	46	4



### Dissection:

Do not oversize the stent graft more than 10% of the healthy aorta nominal diameter. The following table is provided as a guideline:

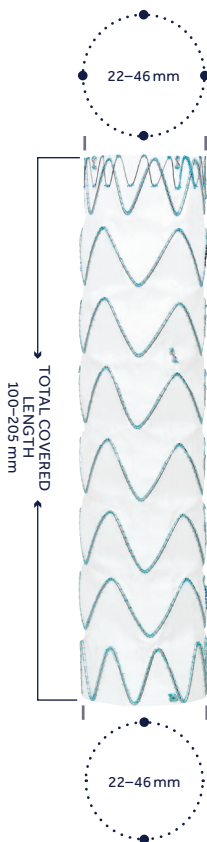
Native Vessel (mm)	Suggested Stent Graft Diameter (mm)	Oversizing (mm)
20	22	2
21	22	1
22	24	2
23	24	1
24	26	2
25	26	1
26	28	2
27	28	1
28	30	2
29	32	3
30	32	2
31	34	3
32	34	2
33	36	3
34	36	2
35	38	3
36	38	2
37	40	3
38	40	2
39	42	3
40	42	2
40	44	4
41	44	3
42	44	2
42	46	4
43	46	3
44	46	2

### For Additional Sections:

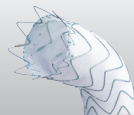
When the stent graft junction is located within the aneurismal sac or is not supported by tissue, a 4 mm oversizing between the primary component and additional section is recommended. When the stent graft junction is supported by tissue (e.g., dissections), less oversizing may be appropriate to satisfy the oversizing recommendations listed above.

# Valiant™ Captivia™

Thoracic Stent Graft Delivery System



**CLOSED WEB STRAIGHT**

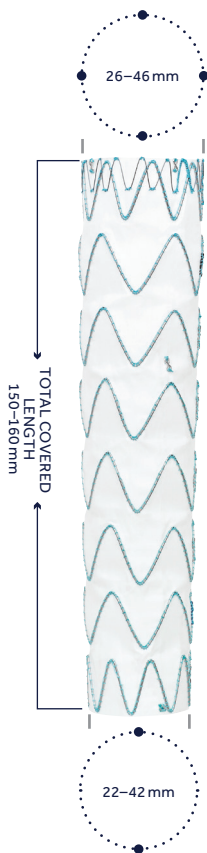


## CLOSED WEB STRAIGHT

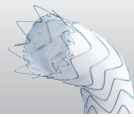
Product Code							Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMC	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Length (cm)	TE	Length (cm)		
VAMC	22	22	C	100	TE	22	105	
VAMC	24	24	C	100	TE	22	105	
VAMC	26	26	C	100	TE	22	105	
VAMC	28	28	C	100	TE	22	110	
VAMC	30	30	C	100	TE	22	110	
VAMC	32	32	C	100	TE	22	110	
VAMC	34	34	C	100	TE	24	100	
VAMC	36	36	C	100	TE	24	100	
VAMC	38	38	C	100	TE	24	100	
VAMC	40	40	C	100	TE	24	100	
VAMC	42	42	C	100	TE	25	105	
VAMC	44	44	C	100	TE	25	105	
VAMC	46	46	C	100	TE	25	105	
VAMC	22	22	C	150	TE	22	145	
VAMC	24	24	C	150	TE	22	145	
VAMC	26	26	C	150	TE	22	145	
VAMC	28	28	C	150	TE	22	150	
VAMC	30	30	C	150	TE	22	150	
VAMC	32	32	C	150	TE	22	150	
VAMC	34	34	C	150	TE	24	160	
VAMC	36	36	C	150	TE	24	160	
VAMC	38	38	C	150	TE	24	160	
VAMC	40	40	C	150	TE	24	160	
VAMC	42	42	C	150	TE	25	150	
VAMC	44	44	C	150	TE	25	150	
VAMC	46	46	C	150	TE	25	155	
VAMC	30	30	C	200	TE	22	185	
VAMC	32	32	C	200	TE	22	185	
VAMC	34	34	C	200	TE	24	205	
VAMC	36	36	C	200	TE	24	200	
VAMC	38	38	C	200	TE	24	200	
VAMC	40	40	C	200	TE	24	205	
VAMC	42	42	C	200	TE	25	200	
VAMC	44	44	C	200	TE	25	205	
VAMC	46	46	C	200	TE	25	205	

# Valiant™ Captivia™

Thoracic Stent Graft Delivery System



**CLOSED WEB TAPERED**

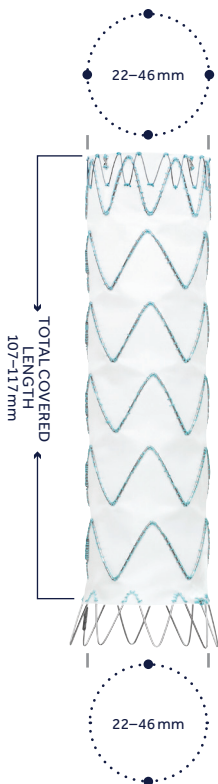


## CLOSED WEB TAPERED

Product Code						Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMC	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Length (mm)	TE		
VAMC	26	22	C	150	TE	22	150
VAMC	28	24	C	150	TE	22	150
VAMC	30	26	C	150	TE	22	150
VAMC	32	28	C	150	TE	22	150
VAMC	34	30	C	150	TE	24	160
VAMC	36	32	C	150	TE	24	160
VAMC	38	34	C	150	TE	24	160
VAMC	40	36	C	150	TE	24	160
VAMC	42	38	C	150	TE	25	150
VAMC	44	40	C	150	TE	25	150
VAMC	46	42	C	150	TE	25	155

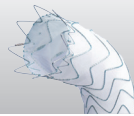
# Valiant™ Captivia™

Thoracic Stent Graft Delivery System



**DISTAL BARE SPRING STRAIGHT**





## DISTAL BARE SPRING STRAIGHT

Product Code						Catheter Outer Diameter (F)	Stent Graft Covered Length (mm)
VAMC	Proximal Graft Diameter (mm)	Distal Graft Diameter (mm)	Distal Design	Length (mm)	TE		
VAMC	22	22	B	100	TE	22	112
VAMC	24	24	B	100	TE	22	112
VAMC	26	26	B	100	TE	22	112
VAMC	28	28	B	100	TE	22	117
VAMC	30	30	B	100	TE	22	117
VAMC	32	32	B	100	TE	22	117
VAMC	34	34	B	100	TE	24	107
VAMC	36	36	B	100	TE	24	107
VAMC	38	38	B	100	TE	24	107
VAMC	40	40	B	100	TE	24	107
VAMC	42	42	B	100	TE	25	112
VAMC	44	44	B	100	TE	25	112
VAMC	46	46	B	100	TE	25	112

# Aptus™ Heli-FX™

EndoAnchor™ System

## FEATURES

### Enhance outcomes and durability

- Designed to bring the stability of a surgical anastomosis to endovascular aneurysm repair
- Enhances the inherent sealing and fixation mechanisms of an endograft
- Simplifies revision surgery for endograft migration and Type Ia endoleak

### Tailor seal and fixation in primary and revision EVAR and TEVAR

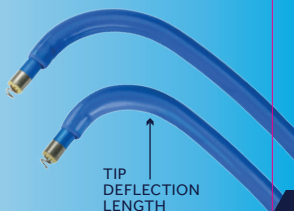
- Steerable guide for precise and accurate EndoAnchor™ implant placement
- Motorized, intuitive controls for precise placement of EndoAnchor™ implants

### Allow safe and effective treatment of more complex anatomies

- Maximize outcomes in complex cases
- Confidently and rapidly target and seal Type Ia endoleaks

## EVAR ORDERING INFORMATION

AAA Components (mm)	Deflected Tip Reach (mm)	Recommended Neck Diameter (mm)	Working Length (cm)	OD (F)	Catalog Number
Heli-FX™ Guide, 22	22	18-28	62	16	SG-64
Heli-FX™ Guide, 28	28	28-32	62	16	HG-16-62-28
Heli-FX™ Applier and EndoAnchor™ Cassette (w/10 EndoAnchors)	NA	NA	86	12	SA-85



## TEVAR ORDERING INFORMATION

TAA Components (mm)	Deflected Tip Reach (mm)	Recommended Neck Diameter (mm)	Working Length (cm)	OD (F)	Catalog Number
Heli-FX™ Guide, 22	22	18-28	90	18	HG-18-90-22
Heli-FX™ Guide, 32	32	28-38	90	18	HG-18-90-32
Heli-FX™ Guide, 42	42	38-42	90	18	HG-18-90-42
Heli-FX™ Applier and EndoAnchor™ Cassette (w/10 EndoAnchors)	NA	NA	114cm	12	HA-18-114

# TourGuide™

Steerable Sheath

## FEATURES

### Precisely Guide Your Next Intervention

Quickly Access Indicated Anatomy with the TourGuide™ Steerable Sheath\*.

- **Dilator & Tip\***  
Facilitates sheath trackability, enabling the TourGuide™ Steerable Sheath to advance through indicated anatomy.\*
- **Advanced Catheter Technology**  
Provides the strength and conformability needed to pass through various interventional devices.
- **Curve Retention\***  
Maintains desired deflection angle, providing a stable platform for delivering devices to its desired destination.
- **Radiopaque Tip\***  
Provides excellent visualization during positioning, enabling accurate vessel access and potentially less manipulation.
- **Hemostatic Seal and Flush Port**  
Maintains hemostasis and allows for manual fluid injection.
- **180° Tip Deflection\***  
Physician-directed to deliver products to a wide variety of vessel take offs, delivering diagnostic and therapeutic devices to difficult anatomic areas.



\* Bench Test Data on file at Medtronic.  
Test data not indicative of clinical performance.



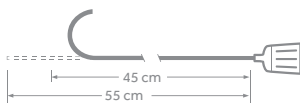
### Adjustable Tip Deflection\*

May reduce overall procedure time by minimizing multiple exchanges associated with different catheter selections.



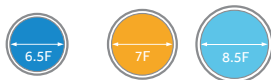
### Two Working Lengths\*

Designed to access indicated areas to perform interventions



### Inner Diameter Compatibility

For use with interventional devices.



### Dilator

With French size and guidewire indicator.



## ORDERING INFORMATION

Catalog Number	Inner Diameter Size (F)	Usable Working Length (cm)	Deflection Length @ 180° (mm)
TG0654509	6.5	45	9
TG0654517	6.5	45	17
TG0655509	6.5	55	9
TG0655517	6.5	55	17
TG0704509	7.0	45	9
TG0704517	7.0	45	17
TG0705509	7.0	55	9
TG0705517	7.0	55	17
TG0854517	8.5	45	17
TG0854522	8.5	45	22
TG0855517	8.5	55	17
TG0855522	8.5	55	22

### ENSURE SEAL

#### Superior Hemostasis†

- Optimal seal versus competitor sheaths

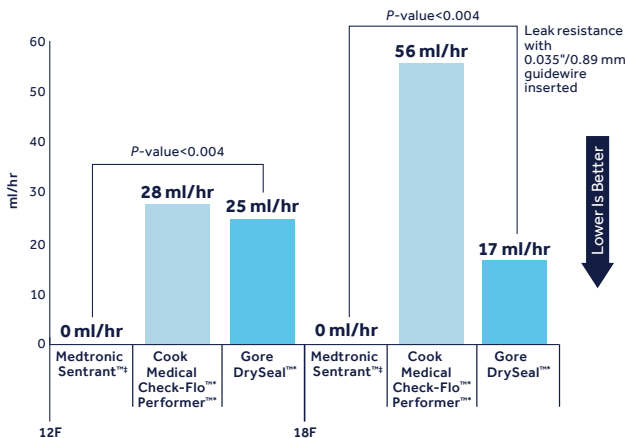
#### Enhanced Trackability

- Hydrophilic coating and flexibility for easier tracking through tortuous calcified iliaacs

#### Procedural Confidence

- Reinforced coil for kink resistance
- Radiopaque marker band for easy visibility
- Dilator locking mechanism secures desired position

### SUPERIOR LEAK RESISTANCE VERSUS COOK CHECK-FLO™ PERFORMER™ AND GORE DRYSEAL™†



\*Third party brands are trademarks of their respective owners

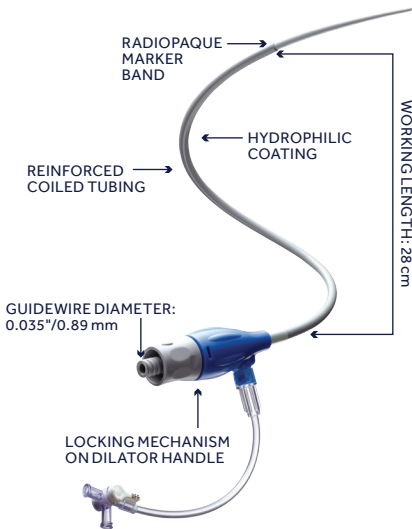
† Bench Test Data on file at Medtronic. Test data not indicative of clinical performance.

Bench Test compared Cook Check-Flo™ Performer™ and Gore DrySeal™ 12F and 18F to Sentrant™ 12F and 18F.

‡ Medtronic Sheath had zero leakage on 0.035"/0.89 mm guidewire.



## THE CHOICE FOR SUPERIOR HEMOSTASIS<sup>1</sup>



### PRODUCT ORDERING INFORMATION

Model Number	Size (F)	Working Length (cm)
SENSH1228W	12	28
SENSH1428W	14	28
SENSH1628W	16	28
SENSH1828W	18	28
SENSH2028W	20	28
SENSH2228W	22	28
SENSH2428W	24	28
SENSH2628W	26	28

### FEATURES

#### Expand Possibilities

A single-solution balloon catheter for your stent graft procedure needs

Clinical uses include:

- Abdominal and thoracic use
- Endograft modeling
- Endoleak sealing support

#### Widest Range of Balloon Inflation Diameters

##### BALLOON INFLATION TABLE

46 mm Balloon	
Diameter (mm)	MI (cc)
10	3
20	9
30	19
40	41
46*	60

CAUTION: This table is only a guide. Balloon expansion should be carefully monitored under fluoroscopy. Do not exceed maximum inflation diameter (46 mm). Rupture of balloon may occur.

### PRODUCT INFORMATION

#### RELIANT™ STENT GRAFT BALLOON CATHETER†

Product Code	Inflation Diameter (mm)	Shaft Size (F)	Usable Length (cm)	Sheath Compatibility (F)
AB46	10–46	8	100	12

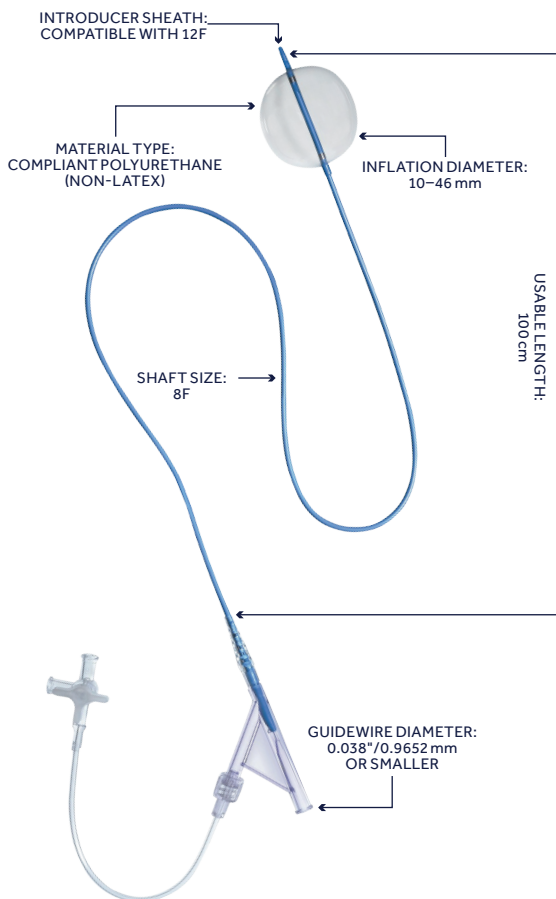
Please reference appropriate product *Instructions for Use* for a more detailed list of indications, warnings, precautions and potential adverse events.

\* Maximum inflation diameter.

† Does not contain latex.



## MULTIPLE PURPOSES, SINGLE SOLUTION











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