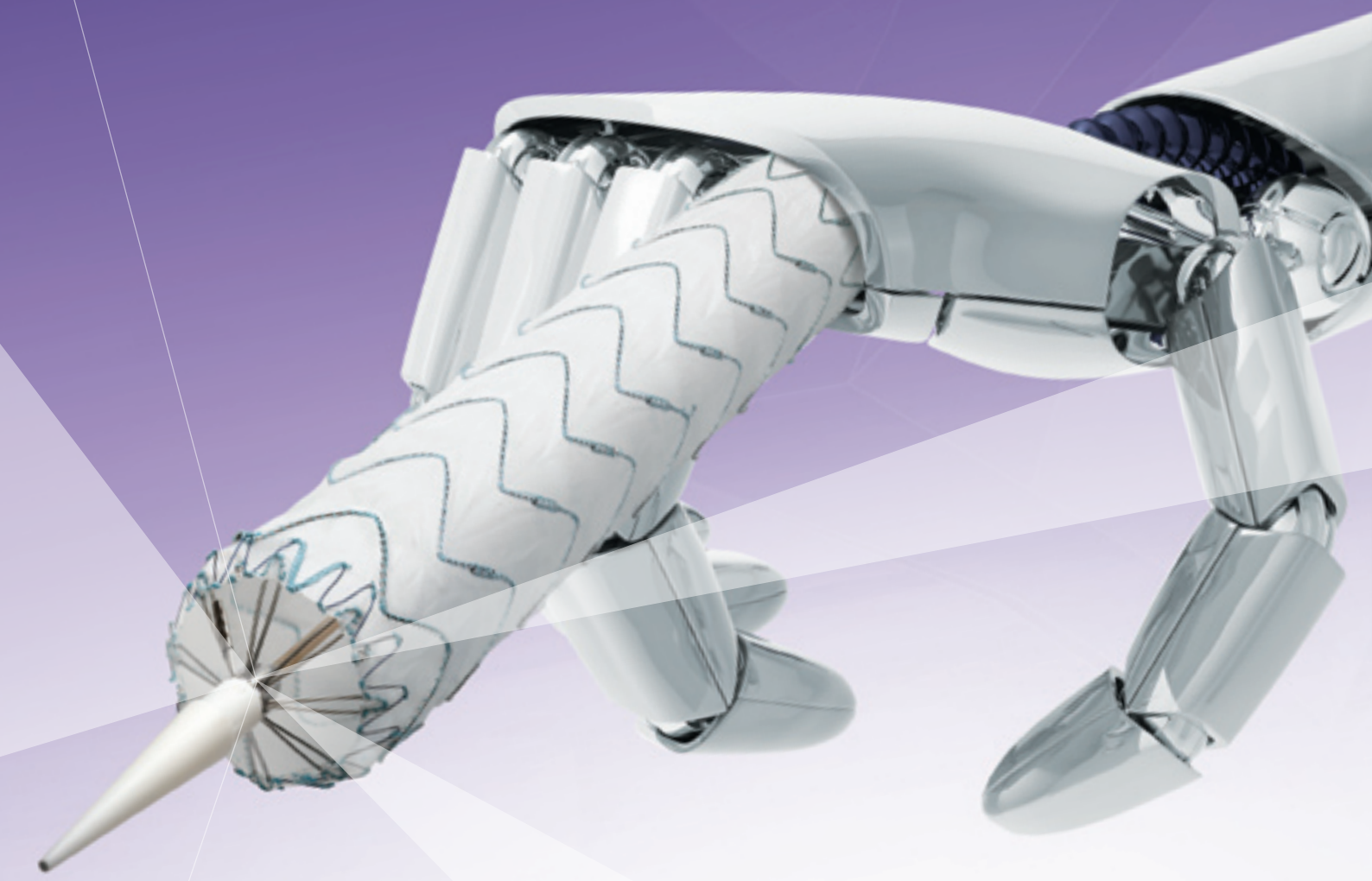
Medtronic

Valiant® Captivia

Thoracic Stent Graft Delivery System

Conformability delivered



The future is in your hands

Conformability...

...delivered today

The future of stent graft technology is in your hands. The combination of the Valiant Thoracic Stent Graft and the Captivia Delivery System expands the possibilities of treatment.

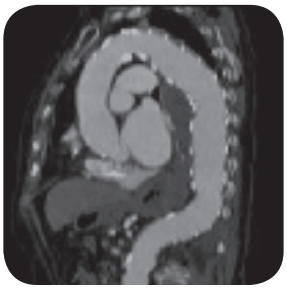
The importance of conformability

Aortic wall apposition for sealing and fixation

Designed for enhanced sealing

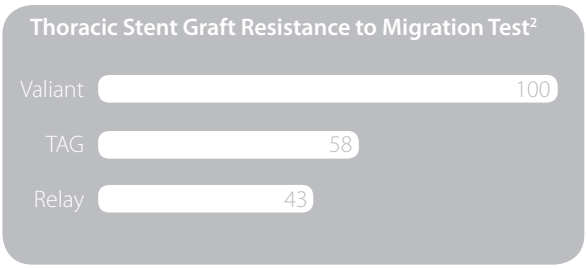
Superelastic nitinol springs apply high, active radial force to:

- Facilitate sealing and fixation
- Inhibit endoleak formation
- Avert proximal stent graft instability and stent graft collapse
- Independent in vitro testing showed Valiant Thoracic Stent Graft performed better than TAG, Zenith TX2, and Relay stent grafts, in maintaining wall apposition with increasing angulation and with increasing degrees of oversizing.[1]



Designed for enhanced fixation

Exhibits the highest resistance to migration of all devices with non-invasive fixation.[2]

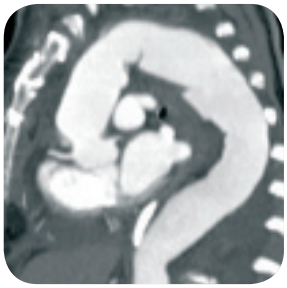


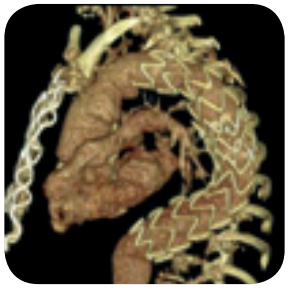
Adaptability to 3-D aortic geometry

Designed to conform to the thoracic aorta

Sinusoidal shape and placement of the nitinol springs:

- Allow for greater flexibility enhancing the ability to conform to a variety of aortic geometries[3]
- Reduce the possibility of kinking.





The Valiant Thoracic Stent Graft offers the greatest overall radial force vs. competition enhancing its ability to conform to the geometry of the thoracic aorta.[4]

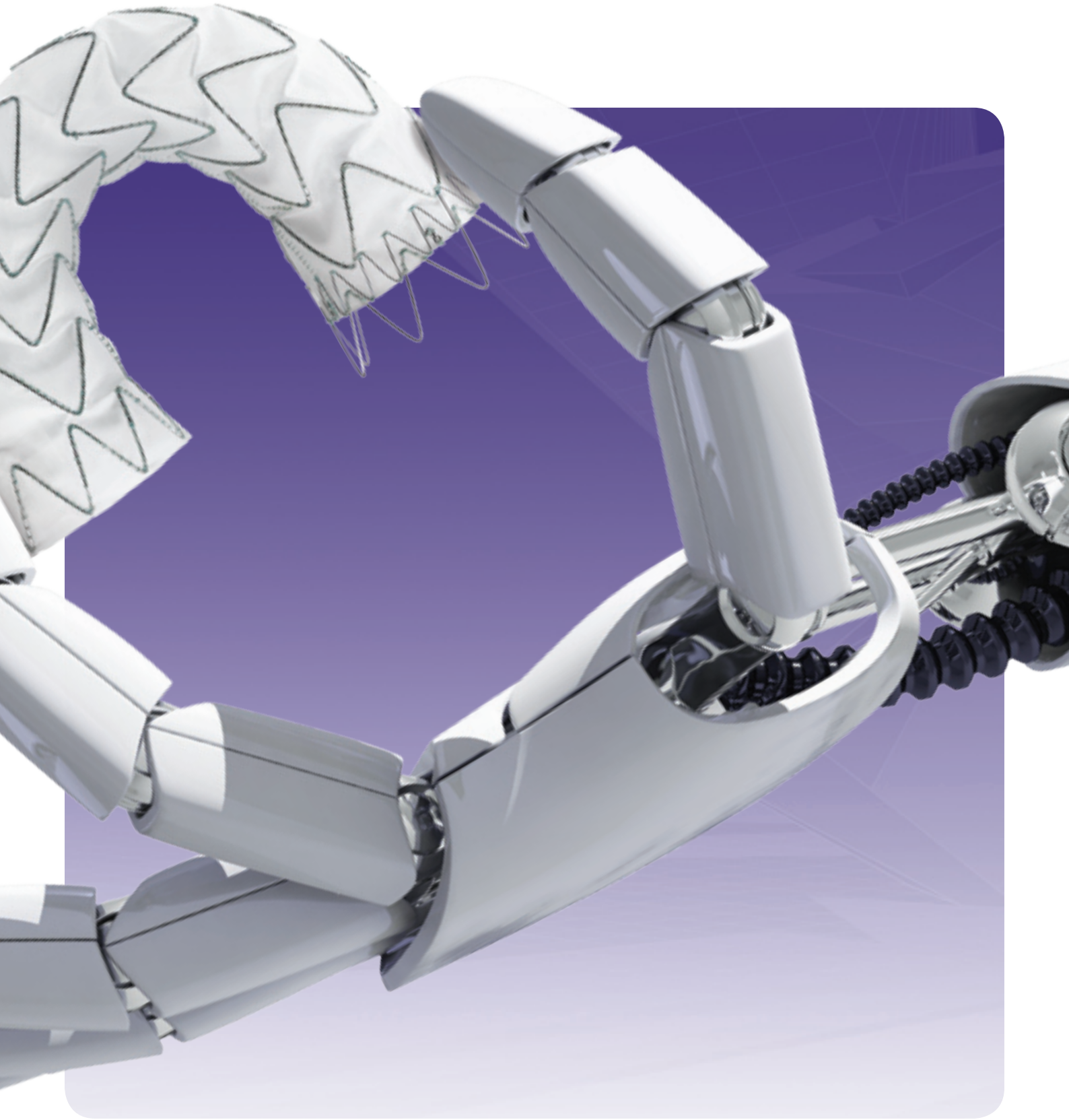
Indexed to Valiant Proximal	VALIANT	TAG	TX2	Relay
Proximal Sealing Zone	100	30	40	38
Distal Sealing Zone	42	30	43	15
Body Spring	41	31	9	23

Angiogrammes and 3D reconstructions are courtesy of Prof. Rousseau, CHU Rangueil, Toulouse, France

[1] Proximal Fixation of Thoracic Stent – Grafts as a Function of Oversizing and Increasing Aortic Arch Angulation in Human Cadaveric Aortas. Ludovic Canaud, Pierre Alric, Martrille Laurent, Thierry-Pascal Baum, Pascal Branchereau, Charles Henri Marty-Ane, and Jean-– Phillipe Berthet. Journal of Endovascular Therapy, June;15(3):326-34.

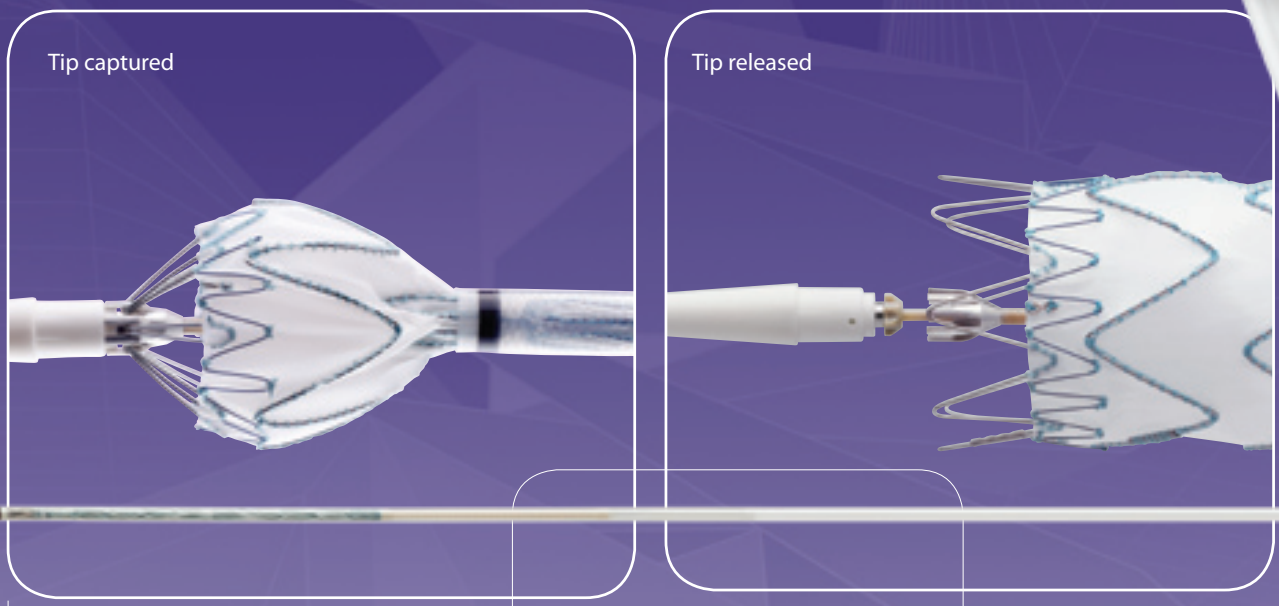
[2, 3] Test data on file, Medtronic, Inc.

[4] Circumferential Compression test data on file, Medtronic, Inc. NOTE: Bench-testing not necessarily predictive of clinical results.



Captivia Delivery System

Precise and controlled deployment for optimal procedural results

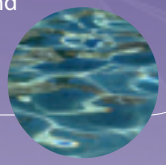


Tip Capture

Provides control for precise stent graft placement

Hydrophilic Coating

Facilitates iliac access and stent graft delivery



Tip Capture Release Handle

Simple, turn and pull motion for tip capture release

Easy, Three -Step Process

Step 1 Slow controlled deployment allowing precise stent graft placement

Step 2 Quick deployment option if desired

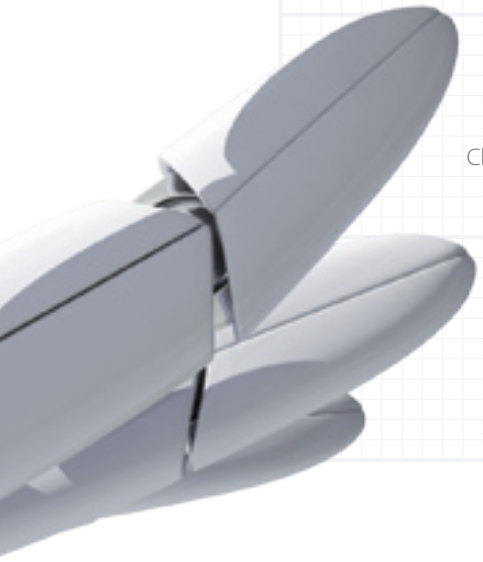
Step 3 Tip capture release

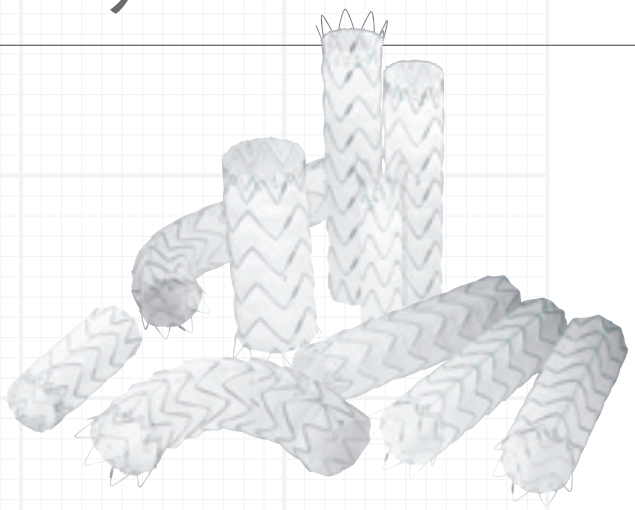
Valiant Thoracic Stent Graft with the Captivia Delivery System expands the possibilities of treatment.
The addition of tip capture for enhanced control of deployment allows precise stent graft placement and conformability, the hallmark attribute of the Valiant Thoracic Stent Graft opens up the possibility to treat a broad range of anatomies.

The future is in your hands

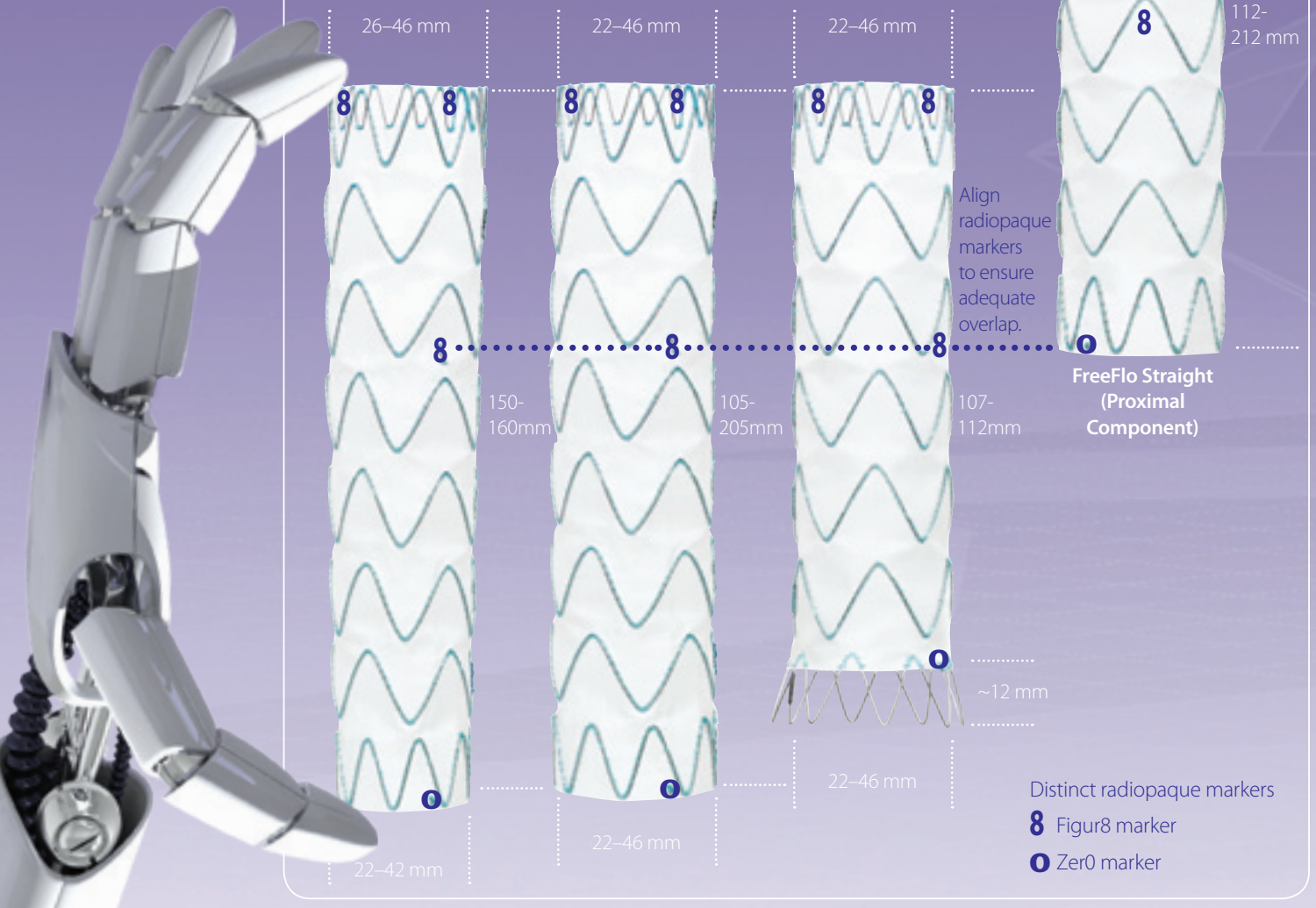
Over 1,000 stent graft configurations for customization to specific anatomies

- Diameters: 22 to 46 mm
- Lengths: 100, 150 & 200 mm
- Configurations: FreeFlo, Closed Web, Tapered & Straight

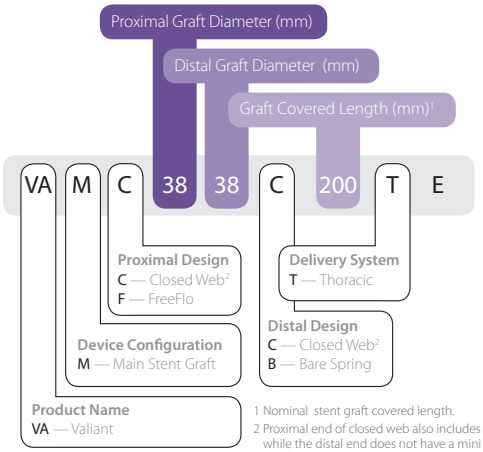




Component Placement Guide



Valiant Captivia Product Catalogue



1 Nominal stent graft covered length.
2 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 (Proximal Component)

Product Code						Graft Covered Length (mm)[1]		
	Proximal Graft Diameter (mm)					Total Stent Graft Length (mm)		
	Distal Graft Diameter (mm)					Catheter Outer Diameter (F)		
VAMF	22	22	C	100	TE	112	124	22
VAMF	24	24	C	100	TE	112	124	22
VAMF	26	26	C	100	TE	112	124	22
VAMF	28	28	C	100	TE	117	129	22
VAMF	30	30	C	100	TE	117	129	22
VAMF	32	32	C	100	TE	117	129	22
VAMF	34	34	C	100	TE	107	119	24
VAMF	36	36	C	100	TE	107	119	24
VAMF	38	38	C	100	TE	107	119	24
VAMF	40	40	C	100	TE	107	119	24
VAMF	42	42	C	100	TE	112	124	25
VAMF	44	44	C	100	TE	112	124	25
VAMF	46	46	C	100	TE	112	124	25
VAMF	22	22	C	150	TE	152	164	22
VAMF	24	24	C	150	TE	152	164	22
VAMF	26	26	C	150	TE	152	164	22
VAMF	28	28	C	150	TE	157	169	22
VAMF	30	30	C	150	TE	157	169	22
VAMF	32	32	C	150	TE	157	169	22
VAMF	34	34	C	150	TE	167	179	24
VAMF	36	36	C	150	TE	167	179	24
VAMF	38	38	C	150	TE	167	179	24
VAMF	40	40	C	150	TE	167	179	24
VAMF	42	42	C	150	TE	157	169	25
VAMF	44	44	C	150	TE	157	169	25
VAMF	46	46	C	150	TE	162	174	25
VAMF	30	30	C	200	TE	192	204	22
VAMF	32	32	C	200	TE	192	204	22
VAMF	34	34	C	200	TE	212	224	24
VAMF	36	36	C	200	TE	207	219	24
VAMF	38	38	C	200	TE	207	219	24
VAMF	40	40	C	200	TE	212	224	24
VAMF	42	42	C	200	TE	207	219	25
VAMF	44	44	C	200	TE	212	224	25
VAMF	46	46	C	200	TE	212	224	25

Closed Web Straight (Distal Component)

Product Code						Graft Covered Length (mm)[1]		
	Proximal Graft Diameter (mm)					Total Stent Graft Length (mm)		
	Distal Graft Diameter (mm)					Catheter Outer Diameter (F)		
VAMC	22	22	C	100	TE	105	105	22
VAMC	24	24	C	100	TE	105	105	22
VAMC	26	26	C	100	TE	105	105	22
VAMC	28	28	C	100	TE	110	110	22
VAMC	30	30	C	100	TE	110	110	22
VAMC	32	32	C	100	TE	110	110	22
VAMC	34	34	C	100	TE	100	100	24
VAMC	36	36	C	100	TE	100	100	24
VAMC	38	38	C	100	TE	100	100	24
VAMC	40	40	C	100	TE	100	100	24
VAMC	42	42	C	100	TE	105	105	25
VAMC	44	44	C	100	TE	105	105	25
VAMC	46	46	C	100	TE	105	105	25
VAMC	22	22	C	150	TE	145	145	22
VAMC	24	24	C	150	TE	145	145	22
VAMC	26	26	C	150	TE	145	145	22
VAMC	28	28	C	150	TE	150	150	22
VAMC	30	30	C	150	TE	150	150	22
VAMC	32	32	C	150	TE	150	150	22
VAMC	34	34	C	150	TE	160	160	24
VAMC	36	36	C	150	TE	160	160	24
VAMC	38	38	C	150	TE	160	160	24
VAMC	40	40	C	150	TE	160	160	24
VAMC	42	42	C	150	TE	150	150	25
VAMC	44	44	C	150	TE	150	150	25
VAMC	46	46	C	150	TE	155	155	25
VAMC	30	30	C	200	TE	185	185	22
VAMC	32	32	C	200	TE	185	185	22
VAMC	34	34	C	200	TE	205	205	24
VAMC	36	36	C	200	TE	200	200	24
VAMC	38	38	C	200	TE	200	200	24
VAMC	40	40	C	200	TE	205	205	24
VAMC	42	42	C	200	TE	200	200	25
VAMC	44	44	C	200	TE	205	205	25
VAMC	46	46	C	200	TE	205	205	25

Distal Bare Spring Straight (Distal Component)

Product Code						Graft Covered Length (mm)[1]		
	Proximal Graft Diameter (mm)					Total Stent Graft Length (mm)		
	Distal Graft Diameter (mm)					Catheter Outer Diameter (F)		
VAMC	22	22	B	100	TE	112	124	22
VAMC	24	24	B	100	TE	112	124	22
VAMC	26	26	B	100	TE	112	124	22
VAMC	28	28	B	100	TE	117	129	22
VAMC	30	30	B	100	TE	117	129	22
VAMC	32	32	B	100	TE	117	129	22
VAMC	34	34	B	100	TE	107	119	24
VAMC	36	36	B	100	TE	107	119	24
VAMC	38	38	B	100	TE	107	119	24
VAMC	40	40	B	100	TE	107	119	24
VAMC	42	42	B	100	TE	112	124	25
VAMC	44	44	B	100	TE	112	124	25
VAMC	46	46	B	100	TE	112	124	25

Closed Web Tapered (Distal Component)

Product Code						Graft Covered Length (mm)[1]		
	Proximal Graft Diameter (mm)					Total Stent Graft Length (mm)		
	Distal Graft Diameter (mm)					Catheter Outer Diameter (F)		
VAMC	26	22	C	150	TE	150	150	22
VAMC	28	24	C	150	TE	150	150	22
VAMC	30	26	C	150	TE	150	150	22
VAMC	32	28	C	150	TE	150	150	22
VAMC	34	30	C	150	TE	160	160	24
VAMC	36	32	C	150	TE	160	160	24
VAMC	38	34	C	150	TE	160	160	24
VAMC	40	36	C	150	TE	160	160	24
VAMC	42	38	C	150	TE	150	150	25
VAMC	44	40	C	150	TE	150	150	25
VAMC	46	42	C	150	TE	155	155	25